BEFORE THE CENTRAL ELECTRICITY REGULATORY COMMISSION,

NEW DELHI

PETITION NO. _____/MP/2025

IN THE MATTER OF:

Petition under Section 62 and 79 (1) (a) of the Electricity Act, 2003 read with Chapter-III of the Central Electricity Regulatory Commission (Conduct of Business) Regulations, 2023 and Regulation 9 & Chapter-9 of the Central Electricity Regulatory Commission (Terms and Conditions of Tariff) Regulations, 2024 for approval of input price of coal supplied from Kerandari Mine for the period from COD i.e. 01.04.2025 to 31.03.2029

AND

IN THE MATTER OF:

NTPC Limited ...Petitioner

VERSUS

Uttar Pradesh Power Corp. Ltd. (UPPCL) & Ors. ...Respondents

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Filed By

(Petitioner)

NTPC Limited

Place: Noida

Date: 27.06.2025

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BEFORE THE CENTRAL ELECTRICITY REGULATORY COMMISSION, NEW DELHI

PETITION NO. _____/MP/2025

IN THE MATTER OF	:	Petition under Section 62 and 79 (1) (a) of the Electricity Act, 2003 read with Chapter-III of the Central Electricity Regulatory Commission (Conduct of Business) Regulations, 2023 and Regulation 9 & Chapter-9 of Central Electricity Regulatory Commission (Terms and Conditions of Tariff) Regulations, 2024 **for approval of input price of coal supplied from Kerandari mine for the period from COD i.e. 01.04.2025 to 31.03.2029.**

AND

IN THE MATTER OF

MEMO OF PARTIES

IN THE MATTER OF:

Petitioner	NTPC Limited Through its Authorized Representative, NTPC Bhawan, SCOPE Complex, Institutional Area, Lodhi Road, New Delhi - 110003
	VERSUS
Respondents	**1)** Uttar Pradesh Power Corp. Ltd. (UPPCL)Shakti Bhawan 14, Ashok Marg Lucknow – 226 001 (UP)

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2) Rajasthan Urja Vikas and IT Service Limited (RUVITL) Vidyut Bhawan, Janpath, Jaipur – 302005 (Rajasthan) (On Behalf of JVVNL, AVVNL, JDVVNL)

3) Gujarat Urja Vikas Nigam Ltd. (GUVNL) 2nd Floor Sardar Patel Vidyut Bhawan, Racecourse, Vadodara-390007

4) Jammu and Kashmir Power Corporation Limited (JKPCL) SLDC Building, Gladni Grid Complex Narwar ,Jammu– 180003

5) Uttarakhand Power Corporation Ltd. (UPCL) Urja Bhawan, Kanwali Road Dehradun – 248001

6) Chandigarh Power Distribution Limited (CPDL), 4th Floor, SCO 33 to 35, Sector-34A, Chandigarh-160022

MOST RESPECTFULLY SHOWETH:

SUMMARY OF THE PETITION: Petition for determination of input price of coal supplied from Kerandari mine.

(In compliance with CERC notice dated 07.06.2024)

The major highlights of the Kerandari input price determination petition are as follows: -

"SUMMARY OF ISSUES" RAISED IN THE PETITION

1. The present petition is being filed under Section 62 and 79 (1) (a) of the Electricity Act, 2003 read with Chapter-III of the Central Electricity

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Regulatory Commission (Conduct of Business) Regulations, 2023 and Regulation-9 & Chapter-9 of Central Electricity Regulatory Commission (Terms and Conditions of Tariff) Regulations, 2024 for approval of input price of coal supplied from Kerandari mine for the period from 01.04.2025 to 31.03.2029.

2. Kerandari coal mine located in Hazaribagh District, Jharkhand (the "**Mine**") is an integrated mine allocated to NTPC (the "**Petitioner**") for end use at its coal-based power plant. The mine is developed & operated by hiring an agency i.e., Mine Developer & Operator (MDO). The peak rated capacity (PRC) of the mine is 6 MTPA.

3. The date of commencement of coal production for the mine is 25.01.2024 The Mine achieved production of 1.50 MMT of coal, which corresponds to 25% of the PRC, on 25.01.2025. The Petitioner declared the date of Commercial operation (COD) for Kerandari Coal Mine, with effect from 00:00 Hrs of 01.04.2025 in terms of Regulation 5(2)(a) of CERC (Terms & Conditions of Tariff) Regulations, 2024 (the "Tariff Regulations, 2024").

4. In terms of Regulation 2 (2) of the Tariff Regulations, 2024, the input price of coal from an integrated mine allocated to a generating company for the tariff- period 2024-29 shall be determined by this Hon'ble Commission under Section 62 of the Electricity Act, 2003 read with Section 79 thereof. This petition is filed before the Hon'ble Commission within the stipulated period of 90 days from the actual CoD (01.04.2025) in compliance with Regulation 9(4) of the Tariff Regulations, 2024.

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5. The issues in short to be determined by this Hon'ble Commission are summarized hereunder -

A. Calculation of Input Price for FY 2025-29

(i) Capital Expenditure: The opening capital cost of the Mine as on CoD i.e., 01.04.2025 is Rs. 1277.57 Cr on cash basis and with undischarged liabilities of Rs. 93.70 Cr.

(ii) Debt-Equity Ratio: As per Regulation 18 (1) of the Tariff Regulations, 2024, the debt-equity ratio is calculated at 70:30.

(iii) Base Return on Equity: As per Regulation 44(3) of the Tariff Regulations, 2024, the base rate of return on equity is considered at 14%.

(iv) Normative Loan and Notional IDC: Equity deployed in excess of 30% of the funds is considered as normative loan, with notional IDC of Rs. 89.00 cr. up to COD included in the capital cost.

(v) Foreign Exchange Rate Variation: The Petitioner has considered FERV (incurred during construction) of Rs 818.34 lakhs on foreign currency loans drawn after 01.04.2016 charged to the P&L account in the capital cost.

(vi) Unamortized Finance Charges: Unamortized part of bond issue expenses of Rs. 311.62 lakhs are included in the capital cost as on COD.

(vii) Rate of Interest on Loan: Interest on loan is considered based on the actual weighted average rate of interest of the project which is 6.65%.

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on COD.

(viii) Depreciation: Depreciation is computed as per the straight-line method, in line with the life of assets provided in Appendix III of the Tariff Regulations, 2024.

(ix) Operation and Maintenance Expenses: O&M expenses are based on projected expenses for each year of the tariff period, subject to prudence check and truing up based on actual expenses.

(x) Statutory Charges: Statutory charges form part of the input price of coal, subject to truing up based on actual changes.

(xi) Mining Charges: Mining fee or cost for mining operations as per the agreement with M/s BGR MINING & INFRA LIMITED (MDO Agency) is claimed, subject to quarterly escalation as per MDO agreement.

(xii) Adjustment of Input Price: Details of adjustment of input price of coal due to shortfall in overburden removal (if any) and GCV adjustment (if any) and detailed calculation for escalation of MDO price will be submitted at the time of truing up.

(xiii) Pre-CoD Coal Sales: Input price of coal prior to CoD has been billed as per the notified price of Coal India Limited for the corresponding grade of coal supplied to the power sector. Same is in terms of the Regulation 7 of CERC Tariff Regulations, 2024.

Based on the above calculations, the major input price components for the year 2025-26 are as under:

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(i) ROM cost of coal is 2453.33 Rs/tonne;

(ii) Surface transportation charge is 502.94 Rs/tonne;

(iii) Statutory charge is 794.71Rs/Tonne; and

(iv) Total Input price is 4338.53 Rs/tonne for the year 2025-26.

Further, the Petitioner has provided projected input prices for the tariff period 2025-29 based on projected data.

B. Mine Closure Expenses

In Kerandari mine, progressive mine closure is in MDO scope and final mine closure is in Petitioner's scope. Petitioner has prayed for treatment of mine closure expenses under Regulation 48(4), allowing 50% of the Escrow account amount for progressive closure to be treated per Regulation 48 (3) and the remaining 50% for final closure per Regulation 48 (1).

C. Provisional Billing of the Input Price of Coal

Current Billing: The Petitioner is currently billing the input price of coal at the notified price of Coal India Limited (CIL) for the corresponding grade of coal as per Regulation 37(2) of Tariff Regulations, 2024.

Provisional Billing Request: Petitioner in terms of the Regulation 37(2) of Tariff Regulations, 2024 prays provisional billing of 90% of input price of coal as per the present Petition until the input price is determined by the Hon'ble Commission.

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D. Prayer

(i) **Approval of Input Price:** Approval of the input price of coal for the period from 01.04.2025 to 31.03.2029.

(ii) **Mine Closure Expenses:** Allow mine closure expenses as submitted.

(iii) **Pay/wage revision:** Allow the recovery of pay/wage revision under O&M expenses as and when applicable;

(iv) **Provisional Billing:** Allow the Petitioner to provisionally bill 90% of the claimed input price of coal in terms of the proviso to Regulation 37 (2) of Tariff Regulation, 2024, after the first hearing of the application as per this petition until the present petition is disposed of, with permission for retrospective adjustment.

(v) **Reimbursement of Expenditure:** Allow reimbursement of expenditure related to filing the present petition.

(vi) **Error/Omission Condonation:** Condone any error/omission in the petition and grant an opportunity to rectify the same.

(vii) **Further Submissions:** Permit the Petitioner to make further submissions, additions, and alterations to the Petition as necessary.

(viii) **Additional Orders:** Pass any other order deemed fit in the circumstances.

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BEFORE THE CENTRAL ELECTRICITY REGULATORY COMMISSION,

NEW DELHI

PETITION NO. _____/MP/2025

IN THE MATTER OF:

Petition Under Section 62 and 79 (1) (a) of the Electricity Act, 2003 read with Chapter-III of the Central Electricity Regulatory Commission (Conduct of Business) Regulations, 2023 and Regulation-9 & Chapter-9 of Central Electricity Regulatory Commission (Terms and Conditions of Tariff) Regulations, 2024 for approval of input price of coal supplied from Kerandari Mine for the period from COD i.e. 01.04.2025 to 31.03.2029

AND IN THE MATTER OF:

NTPC Limited ...Petitioner

VERSUS

Uttar Pradesh Power Corp. Ltd. (UPPCL) & Ors. ...Respondents

MOST RESPECTFULLY SHOWETH:

The Petitioner humbly states that:

I. CONSPECTUS

1. The present Petition has been filed by NTPC Limited ("**Petitioner/NTPC**") under Regulation 9 (4) of the Central Electricity Regulatory Commission (Terms and Conditions of Tariff) Regulations, 2024 ("**Tariff Regulations 2024**") seeking the approval of input price of coal supplied from Kerandari Coal Mine to the end use generating station for the four-year tariff period starting from COD i.e. 01.04.2025

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to 31.03.2029.

2. Kerandari Coal Mine in Hazaribagh district, Jharkhand, has been allocated to the Petitioner for specified end use at Tanda-II Super Thermal Power Station (2 x 660 MW = 1320 MW) ("Tanda-II STPS").

3. The Hon'ble Commission has notified the Tariff Regulations, 2024 which came into force from 01.04.2024, specifying the terms & conditions and methodology of input price of coal determination for the period 01.04.2024 to 31.03.2029.

4. Regulation 2 (2) of Tariff Regulations, 2024 reads as under:

> *"(2) These regulations shall also apply in all cases where a generating company has the arrangement for the supply of coal or lignite from the integrated mine(s) allocated to it, for one or more of its specified end use generating stations, whose tariff is required to be determined by the Commission under section 62 of the Act read with section 79 thereof."*

5. Regulation 9(4) of Tariff Regulations, 2024 reads as under:

> *"(4) Where the generating company has the arrangement for the supply of coal or lignite from an integrated mine(s) to one or more of its generating stations, the generating company shall file a petition for determination of the input price of coal or lignite for determining the energy charge along with the tariff petitions for one or more generating stations in accordance with the provision of Chapter 9 of these regulations:*
>
> *Provided that a generating company with integrated mine(s) shall file a petition for determination of the input price of coal or lignite from the integrated mine(s) not later than 90 days from the date of actual commercial operation of the integrated mine(s) in accordance with these regulations."*

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In terms of above, the Petitioner is filing the present petition for determination input price of coal supplied from Kerandari mine for the period from COD i.e. 01.04.2025 to 31.03.2029 as per the Tariff Regulations, 2024.

6. The Petitioner is complying with the timeline prescribed under Regulation 9(4) of the Tariff Regulations, 2024 by filing the present Petition within 90 days from the actual COD of the integrated mine(s). In the present case, Kerandari Coal Mine achieved its COD on 01.04.2025.

II. DESCRIPTION OF PARTIES

7. The Petitioner is a government company incorporated under the provisions of the Companies Act, 1956 and a Generating Company within the purview of Section 2 (28) of the Electricity Act, 2003. The Petitioner, *vide* Ministry of Coal ("**MoC**") letters dated 25.01.2006, has been allocated Kerandari coal block for meeting coal requirement of end user generating station.

8. Regulation 3(44) defines the integrated mine as under:

> *"(44) 'Integrated Mine' means the captive mine (allocated for use in one or more identified generating stations) or basket mine (allocated to a generating company for use in any of its generating stations) or both being developed by the generating company or its affiliate for supply of coal or lignite to one or more specified end use generating stations for generation and sale of electricity to the beneficiaries;*
>
> *Explanation: **Affiliate** shall mean a company that is directly controlled and owned by a generating company having at least twenty six percent (26%) of the voting rights of the entity."*

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9. The Petitioner incorporated a wholly owned subsidiary named as NTPC Mining Limited ("**NML**") on 29.08.2019 for carrying out its mining business. Subsequently the Petitioner requested the Nominated Authority, Ministry of Coal ("**NA, MoC**") vide letter dated 22.12.2023 to amend the allotment order of Kerandari coal block in favour of NML. Accordingly, NA, MoC has issued notification vide letter dated 09.01.2024 that the allotment orders in respect of the coal blocks shall now be read to be issued in favour of NML in place of the Petitioner. However, since the process of transfer of assets and accounts from the Petitioner to NML is still underway, the instant petition is being filed by the Petitioner. After the completion of the process of transfer of assets & accounts in entirety between the Petitioner and NML, the Petitioner shall move an application for substitution to NML.

10. The Respondent No. 1, Uttar Pradesh Power Corp. Ltd. (UPPCL) is the holding company of the distribution licensees performing the functions of distribution and retail supply of electricity in the State of Uttar Pradesh.

11. The Respondent No. 2, Rajasthan Urja Vikas and IT Service Limited (RUVITL), is a government company incorporated primarily to carry out Power trading business for the State Power sector distribution companies in the state of Rajasthan.

12. The Respondent No. 3, Gujarat Urja Vikas Nigam Ltd. (GUVNL) is a government company incorporated primarily to carry out distribution

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of electricity, bulk purchase and sale of electricity in the state of Gujarat.

13. The Respondent No. 4, Jammu and Kashmir Power Corporation Limited (JKPCL) is the only licensee undertaking transmission, distribution and trading of electrical energy in the Union Territory of Jammu & Kashmir.

14. The Respondent No. 5, Uttarakhand Power Corporation Limited is a distribution licensee undertaking the functions of distribution and retail supply of electricity in the State of Uttarakhand and is a Government of Uttarakhand undertaking.

15. The Respondent No. 6, Chandigarh Power Distribution Limited (CPDL), is responsible for electricity distribution and retail supply in the Union Territory of Chandigarh.

16. The Respondents 1 to 6 would be the beneficiaries of the electricity from the generating stations of the Petitioner to which the coal from the Kerandari Coal Mine is being supplied.

III. FACTUAL BACKGROUND

The factual background that led to the filing of the present petition is detailed below:

17. Various integrated coal mines have been allocated to the Petitioner for utilization at specified end use generating stations, whose tariff is determined by this Hon'ble Commission under Section 62 of the

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Electricity Act, 2003 ("**Act**"). Kerandari Coal Mine is one such coal mine which has been allocated to the Petitioner for supply of coal to specified End Use Plant ("**EUP**") and other coal-based power plants with permission from Ministry of Coal.

18. Kerandari coal block was allocated to Petitioner by MoC, Government of India ("**GoI"**) *vide* its letter dated 25.01.2006. A copy of the letter dated 25.01.2006 is annexed herewith and marked as **ANNEXURE – P/1.**

19. In compliance with the allocation letter for the Kerandari Coal block, the Petitioner procured the Geological Report ("**GR**") of the Kerandari Coal block from the Central Mine Planning and Design Institute Limited.

20. Subsequently, Mining plan of the block was prepared by an accredited Recognized Qualified Person (RQP) **(*RQP NO. 34011/(30)/2006-CPAM***) of M/s ACMM.

21. Thereafter, MoC *vide* its letter dated 04.08.2008 accorded approval to the Mining Plan of Kerandari Coal block. True copies of the approval letter dated 04.08.2008 issued by MoC to the Petitioner and the approved Mine Plan are annexed herewith and marked as **ANNEXURE – P/2 (COLLY)**.

22. Subsequently, on 31.03.2010, Ministry of Environmental, Forest & Climate Change ("**MoEF&CC**") vide its letter granted Environmental Clearance ("**EC**") to the Petitioner for Kerandari Coal Mine (Opencast Coal Mine Project of 6 MTPA in a total project area of 1172 ha). A true

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copy of the EC dated 31.03.2010 issued by MoEF&CC is annexed herewith and marked as **ANNEXURE – P/3.**

23. Pursuant to the application submitted by the Petitioner *vide* its letter dated 04.05.2011, the MoEF&CC, granted Forest Clearance ("**FC**") Stage-I. A true copy of the FC Stage-I dated 01.02.2012 issued by MoEF&CC is annexed herewith and marked as **ANNEXURE – P/4.**

24. The Hon'ble Supreme Court of India *vide* its judgment in *Manohar Lal Sharma vs. The Principle Secretary & Ors.*, dated 25.08.2014 read with its order dated 24.09.2014 cancelled the allocation of Kerandari Coal block along with a total of 204 coal blocks in the entire country and issued directions to Central Government with regards to such coal blocks.

25. Thereafter, the Government of India framed the Coal Mines Special Provisions Ordinance, 2014, and the Coal Mines Special Provisions Second Ordinance, 2014 (collectively referred to as **"the Ordinance"**); and the Coal Mines (Special Provisions) Rules, 2014 (**"the Rules"**) for auction and allotment of all blocks which were subject to cancellation pursuant to aforesaid Supreme Court's order. Later, the Ordinance became the Coal Mines (Special Provisions) Act, 2015.

26. Pursuant to an allotment process conducted in accordance with the Coal Mines (Special Provisions) Act 2015, an allotment agreement was executed on 27.03.2015 between the President of India and the Petitioner regarding terms & conditions related to the allocation of the Kerandari Coal Mine ("**the Mine**"), including the development of the

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Mine and the utilization of coal from the Mine for the specified EUP. A copy of the allotment agreement annexed herewith and marked as **ANNEXURE – P/5.**

27. On 08.09.2015, the MoC formally issued the allotment order for the Mine in the name of the Petitioner for Tanda – II STPS. A true copy of the Allotment order dated 08.09.2015 is annexed herewith and marked as **ANNEXURE – P/6**.

28. Subsequent to the aforesaid allotment order dated 08.09.2015, upon the Petitioner's application, the MoEF&CC, *vide* its letter dated 28.10.2015, revalidated the EC for the Petitioner's project. A true copy of the re-validated EC dated 28.10.2015 issued by MoEF&CC is annexed herewith and marked as **ANNEXURE – P/7.**

29. On 21.08.2019, the Investment Approval (IA) for an estimated cost of Rs. 4182.70 cr. was approved by the Board of Directors of the Petitioner in its 476th meeting. The Board of Directors of the Petitioner on 15.01.2021 passed resolution for development of the Mine under MDO mode. The relevant extracts of the minutes of the 476th meeting of the Board of Directors dated 21.08.2019 and copy of resolution passed by the Board of Directors through circular resolution no 01/2021 dated 15.01.2021 is annexed herewith and marked as **ANNEXURE – P/8 (Colly).**

30. The Investment Approval dated 21.08.2019 was subject to Stage – II FC and consent to Establish from the State Pollution Control Board.

31. As per the Stage-I FC, a compliance report on fulfilment of the

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conditions mentioned in the Stage-I FC was mandated for issuance of Stage-II FC. However, compliance of certain conditions to be fulfilled as per the Stage-I FC was dependent on the approval of State Government i.e. Government of Jharkhand. There was some delay in obtaining the above approval from the Government of Jharkhand and the same is detailed hereinunder.

32. On submission of the requisite compliance report & fulfilling of the conditions mentioned in Stage-I FC, MoEF&CC granted FC Stage-II *vide* its letter dated 28.08.2019. A true copy of the FC dated 28.08.2019 issued by MoEF&CC is annexed herewith and marked as **ANNEXURE – P/9.**

33. The Jharkhand State Pollution Control Board (JSPCB) issued the Consent to Establish (CTE) on 24.09.2019 and the Consent to Operate (CTO) on 28.12.2019. True copies of the CTE & CTO are annexed herewith and marked as **ANNEXURE – P/10 & ANNEXURE – P/11**, respectively.

34. To facilitate the commencement of mining activities and adhere to the production schedule, the Mine – Opening – Permission was sought and the same was granted by the Directorate General of Mines Safety to the Petitioner on 13.01.2020. A true copy of the Mine Opening Permission dated 13.01.2020 is annexed herewith and marked as **ANNEXURE – P/12**.

35. The contract for development and operation of the Mine was awarded on 01.02.2023 to M/s BGR Mining & Infra Limited, after several rounds

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of deliberations. M/s BGR Mining & Infra Ltd. was awarded the MDO contract *vide* Letter of Award ("**LoA**") dated 01.02. 2023. A true copy of the LOA dated 01.02.2023 is annexed herewith and marked as **ANNEXURE – P/13.**

36. Pursuant to the LoA, the project agreement ("**MDO Agreement**") was signed by the Petitioner and M/s. BGR Mining & Infra Limited (MDO agency) on 08.02.2023.

37. As per the MDO Agreement, the MDO agency started the work of developing the Mine. After completion of the initial development stage, the mining operations started on 05.04.2023 and coal production commenced w.e.f. 25.01.2024. The Petitioner intimated the Nominated Agency, MoC, GoI regarding the start of mining operations and commencement of coal extraction/production *vide* its letter of intimation dated 29.01.2024. A copy of letter dated 29.01.2024 to the NA, MoC, GoI, New Delhi regarding the Start of Coal Production at the Mine is annexed herewith and marked as **ANNEXURE – P/14.**

38. Both units of the Tanda – II STPS are already commissioned and are fully functional. The EUP has been supplying electricity to various beneficiaries who are arrayed as Respondents to this petition.

39. Consequent to the start of coal production activities, the Mine achieved a production of 1.5 MMT of coal, corresponding to 25% of its Peak Rated Capacity (6 MMTA), on 25.01.2025. As per Regulation 5 (2) (a) of the Tariff Regulation 2024, the declaration of commercial operation

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became due on 01.04.2025 i.e., the first date of the year succeeding the year in which 25% of the PRC, as per the Mining Plan, was achieved.

40. Pursuant to above Regulation, the generating company is required to declare the date of commercial operation (COD) with one week's prior intimation to the beneficiaries. Accordingly, the Petitioner declared the COD for the Mine, effective from 00:00 Hrs of 01.04.2025, through its letter of intimation dated 18.03.2025, to all beneficiaries of the EUP. The letter of intimation dated 18.03.2025, is annexed herewith and marked as **ANNEXURE – P/15**.

WITHOUT PREJUDICE SUBMISSIONS IN THE TIMELINE OF COMMENCEMENT OF COAL PRODCUTION

41. It is stated that as per the Tariff Regulations, there is no delay in achievement of the COD. However, without prejudice to the submission that there is no delay, the Petitioner out of abundant caution is recounting the facts related to the commencement of coal production from the Mine on account of delay in grant of Stage-II FC, transfer of forest land & tree cutting permission. Reasons for the delay which were beyond the control of the Petitioner are detailed hereunder:

(i) Stage-I Forest clearance was granted to the Petitioner by MoEF&CC on 01.02.2012. Compliance of Stage-I FC was submitted by the Petitioner to the Govt. of Jharkhand for approval on 22.02.2013. Subsequently, the Petitioner made requisite payment for NPVs of trees & compensatory

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afforestation in February 2013. A copy of the Petitioner's letter dated 22.02.2013 is annexed herewith and marked as **ANNEXURE – P/16**.

(ii) On 10.02.2014, Govt. of Jharkhand forwarded a report on compliance of the conditions stipulated in the Stage-I FC to MoEF&CC.

(iii) In view of the cancellation of the allocation of Kerandari Coal block by Hon'ble Supreme Court, processing of the compliance report of Stage-I approval was kept on hold by the MoEF&CC. A copy of MoEF&CC letter dated 26.11.2015 is annexed herewith and marked as **ANNEXURE – P/17**.

(iv) Subsequently, based on communication received from MoC, GoI dated 18.09.2015 regarding re-allocation of the Kerandari block to the Petitioner, MoEF&CC initiated the processing of the compliance report of Stage-I Forest clearance. On 26.11.2015, MoEF&CC wrote to the Principal Secretary (Forests), Govt. of Jharkhand seeking compliance of observations made on the compliance report from the Govt. of Jharkhand.

(v) The Petitioner immediately pursued with the Govt. of Jharkhand for submission of the compliance related to observations of the MoEF&CC. Pursuant to the sincere efforts of the Petitioner, compliance of FRA' 2006 for the entire area of 234.42 ha and compliance of other issues raised by MoEF&CC in letter dated 26.11.2015 was submitted by Deputy Secretary (Forests), Govt.

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of Jharkhand to MoEF&CC on 06.01.2017. A copy of GoJh letter dated 06.01.2017 is annexed herewith and marked as **ANNEXURE – P/18**.

(vi) Subsequently, MoEF&CC raised its observations on compliance submission filed by Govt. of Jharkhand on 23.06.2017 and 28.06.2018. Observations of MoEF&CC were replied to by the Govt. of Jharkhand on 08.05.2018 & 19.09.2018, respectively. Further, the approved Integrated Wildlife Management Plan (conservation plan) in compliance with the MoEF&CC observations dated 28.06.2018 was submitted by Govt. of Jharkhand on 04.04.2019. Communications between Govt. of Jharkhand and MOEF&CC in this regard are attached herewith as **ANNEXURE – P/19 (Colly)**.

42. The time taken by Govt. of Jharkhand & MoEF&CC, GoI in issuance of the Stage-II FC was beyond the control of the Petitioner. The Petitioner pursued the matter with various authorities including Joint Secretary (Power)- GoI, Secretary (MoEF&CC), GoI, Chief Secretary, GoJh to facilitate the timely issuance of the Stage-II forest clearance. A copy of the communications addressed in this regard are annexed herewith and marked as **Annexure – P/20 (Colly)**.

43. The delay in the approval process by the Government of Jharkhand—specifically the submission of compliance reports in relation to Stage-I FC for the issuance of Stage-II Forest Clearance—was beyond the control of the Petitioner.

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44. Even after grant of FC Stage-II on 28.08.2019, the transfer of forest land and GM-JJ land to the Petitioner was delayed. The major reasons for the delay in transfer of forest land which was beyond the control of the Petitioner detailed hereunder:

(i) **Delay in transfer of forest land and grant of tree cutting permission by GoJh** – After receiving the Stage-II FC on 28.08.2019, the Petitioner immediately on 03.09.2019 requested the Government of Jharkhand for transfer of forest land. Demand notes for the differential compensatory afforestation payment and towards wildlife management fee were raised by district administration in 4 tranches over a period of 407 days on 12.10.2019, 19.10.2019, 27.01.2020, with final demand on 14.12.2020. Timely payments were made by the Petitioner on 18.11.2019, 12.02.2020 and final payment on 16.12.2020. Supporting communications in this regard are annexed hereto and marked as **ANNEXURE – P/21(Colly)**.

(ii) Even after timely payment by the Petitioner against all demand notes, forest land was transferred by GoJh only on 23.12.2021, taking further 372 days. Subsequently, tree cutting permission was accorded only on 08.03.2022 for enabling site preparation works to commence mining operations.

(iii) The Petitioner made sincere efforts for transfer of the land and requested NA, MoC, GoI for assisting in early transfer of forest land and grant of tree cutting permission so that mine & infrastructure development activities progress smoothly.

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Subsequently Joint Secretary, MoC requested issuance of necessary directions for expediting transfer of forest land and tree cutting permission in favour of the Petitioner, to Secretary (Forest, Environment & Climate Change), GoJh. A copy of the communication dated 20.05.2020 of NTPC and 17.06.2020 of Joint secretary, MoC are annexed herewith and marked as **ANNEXURE – P/22(Colly)**.

(iv) **Delay in transfer of GM-JJ Land**: The Petitioner submitted an application on 11.09.2019 for transfer of GM-JJ land promptly within 14 days of grant of State II – FC. However, it took considerable time on the part of GoJh and demand note was received on 16.04.2022. The issuance of Rajyadesh for transfer of GM-JJ land requires approval of state cabinet. Hence, even after payment by the Petitioner on 27.09.2022, it took another 450 days to issue Rajyadesh by GoJh. The same came to be issued only on 07.12.2023 further affecting the GM-JJ land transfer. Subsequent to GM-JJ transfer, a final demand note was received on 08.06.2024 and the area was handed over to the Petitioner for mining operations. A copy of the communications addressed in this regard as annexed hereto and marked as **ANNEXURE – P/23(Colly)**.

(v) Since land for OB dump was predominantly forest land and GM-JJ land, mining operation were severely impacted, coal production from mine could start only in January 2024. Sustainable production was feasible only after complete transfer of forest land & GM -JJ land in June, 2024.

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(vi) The time take by the Government of Jharkhand in the transfer of the forest land and GM-JJ land, further hampered the coal mine activities, which was beyond the control of the Petitioner.

(vii) **Delay due to the issues pertaining to Land acquisition, Resettlement & Rehabilitation (R&R) policy, Law & Order–** It is further submitted that, there were factors such as difficulties in land acquisition, R&R etc. born from protests owing to various reasons which were beyond the control of the Petitioner due to which coal commencement could not start.

(viii) In terms of the R&R Policy of GoJh, land compensation is paid by the Petitioner upon certification of land documents by District Administration. The villagers in this region were very reluctant to submission/verification of documents even after repeated persuasion by the Petitioner and the District Administration. Despite the approval of compensation package by Government of Jharkhand, no significant progress could be made in land acquisition because of demand of higher compensation by the villagers.

(ix) On 11.08.2017 Hon'ble Union Minister of state for Civil Aviation and Member of Parliament of Hazaribagh vide letter dated 11.08.2017 requested the Petitioner for equal land compensation for all three NTPC's coal mining projects in District of Hazaribagh.

(x) In response, Addl. Land Acquisition Officer of Hazaribagh had

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communicated in September 2017 that demands related to equal land compensation rate for land being acquired by Petitioner in Kerandari was raised by the PAPs on various occasions. Keeping in mind the harmony and peaceful execution of the projects and the interest of the displaced people, it was expressed to be desirable to increase the compensation rate from Rs.15 lakh/acre to Rs.20 lakh/acre for both projects.

(xi) On 06.08.2018 CMD, NTPC wrote to Chief Secretary, Government of Jharkhand seeking personal intervention in the subject of the issues pertaining to the projects of the Petitioner in Jharkhand including the Kerandari Coal Mining Projects. It was communicated that resolving these issues were top priority and that any assistance and intervention that could be offered would help achieve the project timelines.

(xii) The Ministry of Power had sent a meeting notice (dated 17.08.2018) to the Chief Secretary, Government of Jharkhand and CMD, NTPC among other parties for discussion on land issues of NTPC and DVC pending with the State Government of Jharkhand.

(xiii) On 14.01.2019 Secretary, Ministry of Power wrote to the Chief Secretary, Govt. of Jharkhand on the issue of slow pace of land acquisition, delay in R&R award to the villages and rehabilitation of the villagers in the immediate vicinity of the mines which is creating bottlenecks to progress of mining activity as per the plan.

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(xiv) Interim Minutes of Meeting between NTPC and Government of Jharkhand ('GoJh') on the subject of agitation of local villagers raising various demands of R&R benefits, land compensation, employment etc. was released on 17.11.2020.

(xv) A copy of the communications related to land acquisition issues and R&R are annexed and marked as **ANNEXURE – P/24(Colly)**.

(xvi) The issues in allocation and distribution of compensation to the concerned villagers, and the severe law and order situation at site has inadvertently led to delay in achievement of commencement of production of the Project.

(xvii) The Petitioner took all measures to curtail the delay to the extent possible. Despite the best efforts of the Petitioner, the above time was taken due to reasons beyond the control of the Petitioner.

45. The above detailed sequence of events clearly demonstrates that NTPC acted promptly and diligently to resolve the issues pertaining to grant of stage-II forest clearance and subsequently issues related to transfer of the forest land and GM-JJ land and issues pertaining to Land acquisition, R&R policy, Law & order etc. and made every effort to initiate coal production/dispatch. The timeline reflects that even after all sincere efforts taken by NTPC, commencement of coal production/dispatch was affected due to reasons beyond its control.

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46. After obtaining all approvals, the Petitioner envisaged development and operation of the mine through outsourcing by appointing a MDO, as stated hereinabove, having scope of work including overburden (OB) removal, extraction of coal, & other fixed mine infrastructures, compliance of statutory obligations and other associated activities. NIT was floated on 01.09.2022 and the contract for development and operation of the Mine was awarded to the MDO i.e. M/s BGR Mining & Infra Limited on 01.02.2023.

47. It is further submitted that MDO agreement was co-signed on 08.02.2023 between the Petitioner (NTPC) and M/s BGR Mining & Infra Limited (MDO agency). Accordingly, as per the MDO agreement, the MDO agency started the work of developing the Kerandari Coal Mine.

48. It is further submitted that coal production commenced w.e.f. 25.01.2024. Petitioner intimated the Nominated Agency, Ministry of Coal (MoC) regarding the start of mining operations and commencement of coal extraction/production vide its letter of intimation dated 29.01.2024.

49. Consequent to the start of coal production activities, the Kerandari Coal Mine achieved a production of 1.5 MMT of coal, corresponding to 25% of its Peak Rated Capacity (6 MMTA), on 25.01.2025. As per Regulation 5, Clause 2, Sub-clause (a) of the Tariff Regulation 2024, the declaration of commercial operation became due on 01.04.2025 i.e., the first date of the year succeeding the year in which 25% of the PRC,

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as per the Mining Plan, was achieved.

50. The CERC Tariff Regulations in respect of declaration of Commercial Operation Date (COD) provides as under:

> *"**5. Date of Commercial Operation:** (1) The date of commercial operation of a generating station or unit thereof or a transmission system or element thereof and associated communication system shall be determined in accordance with the provisions of the Grid Code. In the event of mismatch of COD between associated transmission and/or generating stations, the liability for the transmission charges shall be in accordance with the provisions of the Sharing Regulations, 2020 as amended from time to time.*
>
> *(2) The date of commercial operation in case of integrated mine(s), shall mean the earliest of: -*
>
> *a) the first date of the year succeeding the year in which 25% of the Peak Rated Capacity as per the Mining Plan is achieved; or*
>
> *b) the first date of the year succeeding the year in which the value of production estimated in accordance with Regulation 7 of these regulations, exceeds total expenditure in that year; or*
> *c) the date of two years from the date of commencement of production:*
>
> *Provided that on the earliest occurrence of any of the events under sub-clauses (a) to (c) of Clause (2) of this Regulation, the generating company shall declare the date of commercial operation of the integrated mine(s) under the relevant sub-clause with one week prior intimation to the beneficiaries of the end-use or associated generating station(s);*
>
> *Provided further that in case the integrated mine(s) is ready for commercial operation but is prevented from declaration of the date of commercial operation for reasons not attributable to the generating company or its suppliers or contractors or the Mine Developer and Operator, the Commission, on an application made by the generating company, may approve such other date as the date of commercial operation as may be considered appropriate after considering the relevant reasons that prevented the declaration of*

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the date of commercial operation under any of the sub-clauses of Clause (2) of this Regulation;

Provided also that the generating company seeking the approval of the date of commercial operation under the preceding proviso shall give prior notice of one month to the beneficiaries of the end-use or associated generating station(s) of the integrated mine(s) regarding the date of commercial operation."

51. It is submitted that Commercial Operation Date (COD) of Kerandari mine was successfully accomplished within the stipulated timeline in terms of Regulation 5, Clause 2, Sub-clause (a) of the Tariff Regulations, 2024 as quoted above.

IV. SUBMISSIONS

52. The Petitioner is quoting hereinbelow the scope and extent of application and the definitions provided under the Tariff Regulations, 2024, specific to the case of a Generating Company with operational integrated mine(s): -

***"2. Scope and extent of application**. (1) These regulations shall apply to all cases where tariff for a generating station or a unit thereof and a transmission system or an element thereof is required to be determined by the Commission under section 62 of the Act read with section 79 thereof:*

Provided that any generating station for which agreement(s) have been executed for the supply of electricity to the beneficiaries on or before 5.1.2011 and the financial closure for the said generating station has not been achieved by 31.3.2024, such projects shall not be eligible for determination of tariff under these regulations unless fresh consent of the beneficiaries is obtained and furnished;

(2) These regulations shall also apply in all cases where a generating company has the arrangement for the supply of coal or lignite from

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the integrated mine(s) allocated to it, for one or more of its specified end use generating stations, whose tariff is required to be determined by the Commission under section 62 of the Act read with section 79 thereof.

……..

3. Definitions. *- In these regulations, unless the context otherwise requires: -*

……

(5) ***'Annual Target Quantity'*** *or* ***'ATQ'*** *in respect of an integrated mine(s) means the quantity of coal or lignite to be extracted during a year from such integrated mine(s) corresponding to 85% of the quantity specified in the Mining Plan;*

….

(11) ***'Capital Cost'*** *means the capital cost as determined in Regulation 19 of these regulations in respect of generating station or transmission system, as the case may be, and Regulation 41 of these regulations in respect of integrated mine(s);*

…..

(17) ***'Date of Commercial Operation'*** *or* ***'COD'*** *in respect of a thermal generating station or hydro generating station or transmission system or communication system shall have the same meaning as defined in the Grid Code, as amended from time to time: Provided that Date of Commercial Operation of integrated mine(s) shall have the same meaning as specified in Regulation 5 of these regulations;*

…..

(19) ***'Date of Commencement of Production'*** *in respect of integrated mine(s) means the date of touching of coal or lignite, as the case may be, as declared by the generating company;*

…..

(26) ***'Escrow account'*** *means the account for deposit and withdrawal of mine closure expenses of integrated mine(s), maintained in accordance with the guidelines issued by the Coal Controller, Ministry of Coal, Government of India;*

……

(42) ***'Input Price'*** *means the price of coal or the price of lignite (including transfer price of lignite in respect of existing lignite mines) sourced from the integrated mines at which the coal or lignite is transferred to the generating station for the purpose of computing*

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the energy charges for generation and supply of electricity to the beneficiaries and determined in accordance with Chapter 9 of these regulations;

……

(44) ***'Integrated Mine'*** *means the captive mine (allocated for use in one or more identified generating stations) or basket mine (allocated to a generating company for use in any of its generating stations) or both being developed by the generating company or its affiliate for supply of coal or lignite to one or more specified end use generating stations for generation and sale of electricity to the beneficiaries;*

Explanation: ***Affiliate*** *shall mean a company that is directly controlled and owned by a generating company having at least twenty-six percent (26%) of the voting rights of the entity.*

…..

(48) ***'Loading Point'*** *in respect of integrated mine(s) means the location of railway siding or silo or the coal handling plant or such other arrangements like a conveyor belt, whichever is nearest to the mine, for despatch of coal or lignite, as the case may be;*

…..

(51) ***'Mine Infrastructure'*** *shall include assets of the integrated mine(s) such as tangible assets used for mining operations, being civil works, workshops, immovable winning equipment, foundations, embankments, pavements, electrical systems, communication systems, relief centres, site administrative offices, fixed installations, handling arrangements, crushing and conveying systems, railway sidings, pits, shafts, inclines, underground transport systems, hauling systems (except movable equipment unless the same is embedded in land for permanent beneficial enjoyment thereof), land demarcated for afforestation and land for rehabilitation and resettlement of persons affected by mining operations under the relevant law;*

(52) ***'Mining Plan' or 'Mine Plan'*** *in respect of integrated mine(s) means a plan prepared in accordance with the Guidelines for Preparation, Formulation, Submission, Processing, Scrutiny, Approval and Revision of Mining Plan for the coal and lignite block issued by the Ministry of Coal, Government of India as amended from time to time or provisions of the Mineral Concession Rules, 1960, as amended from time to time and approved under clause (b) of sub-section (2) of section 5 of the Mines and Minerals (Development and*

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Rehabilitation) Act, 1957 by the Central Government or by the State Government, as the case may be;

(53) ***'New Project'*** *means the generating station or unit thereof or the transmission system or element thereof achieving its commercial operation on or after 1.4.2024;*

…

(55) ***'Operation and Maintenance Expenses' or 'O&M expenses'*** *means the expenditure incurred for operation and maintenance of the project, or part thereof, and includes the expenditure on manpower, maintenance, repairs and maintenance spares, other spares of capital nature valuing up to Rs. 10 lakhs, additional capital expenditure of an individual asset costing less than Rs. 20 lakhs, consumables, insurance and overheads and fuel other than used for generation of electricity:*

Provided that for integrated mine(s), the Operation & Maintenance Expenses shall not include the mining charge paid to the Mine Developer and Operator, if any, engaged by the generating company and the mine closure expenses.

…

(57) ***'Peak Rated Capacity'*** *in respect of integrated mine(s) means the peak rated capacity of the mine, as specified in the Mining Plan;*

…..

(87) ***'Useful Life'*** *in relation to a unit of a generating station, integrated mines, transmission system and communication system from the date of commercial operation shall mean the following: (a) Coal/Lignite based thermal generating station 25 years (b) Gas/Liquid fuel based thermal generating station 25 years (c) AC and DC sub-station 25 years (d) Gas Insulated Substation (GIS) 25 years (e) Hydro generating station including pumped storage hydro generating stations 40 years (f) Transmission line (including HVAC & HVDC) 35 years (g) Optical Ground Wire (OPGW) 15 years (h) IT system, SCADA and Communication system excluding OPGW 7 years (i) Integrated mine(s) As per the Mining Plan.*

4. Interpretations: *- In these regulations, unless the context otherwise requires:*

(5) 'Tonne' means a metric tonne of coal or lignite in respect of integrated mine(s);

(6) 'Year' means a financial year beginning on 1st April and ending

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on 31st March:
Provided that the first year in case of a new project or integrated mine(s) shall commence from the date of commercial operation and end on the immediately following 31st March."

53. As submitted above, 'Date of Commencement of Production' for Kerandari mine as per Regulation 3(19) of the Tariff Regulations, 2024 is 25.01.2024.

54. The 'Peak Rated Capacity' ("**PRC**") of the Mine is 6 MTPA as specified in the Mining Plan. The Mine achieved production of 1.5 MMT of coal, which corresponds to 25% of the PRC, on 25.01.2025.

55. The declaration of COD on 01.04.2025 is therefore in consonance with Regulation 5 (2) (a) of the Tariff Regulations 2024, i.e. the first date of the year succeeding the year in which 25% of the PRC, as per the Mining Plan, was achieved. This is also the earliest of the dates calculated through the application of sub-clauses (a), (b) and (c).

56. The Petitioner communicated the COD for the Mine, effective from 00:00 Hrs of 01.04.2025, through its letter of intimation dated 18.03.2025, to all beneficiaries of the EUP well in advance of the actual date of commercial operation.

Calculation of Input Price by the Petitioner for FY 2025-29

57. In so far as the calculation of the Input Price is concerned, this Hon'ble Commission has been vested with the function of determination of tariff of generating companies under Section 62 of the Act, read with Section 79 of the Electricity Act ,2003. Regulation 2 (2) of the Tariff Regulation, 2024, quoted hereinabove.

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2. Scope and extent of application.
(2) These regulations shall also apply in all cases where a generating company has the arrangement for the supply of coal or lignite from the integrated mine(s) allocated to it, for one or more of its specified end use generating stations, whose tariff is required to be determined by the Commission under section 62 of the Act read with section 79 thereof.

58. It is submitted that based on the actual capital expenditure, the opening capital cost of the Mine as on CoD comes out to be Rs. 1277.57 cr. on cash basis and undischarged liabilities of Rs. 93.70 Cr.

59. It is submitted that the Petitioner has calculated the input price based on the parameters provided in the Tariff Regulations, 2024 as depicted hereinbelow:

(a) **Debt: Equity Ratio -** 70:30

(b) **Base Rate of Return on Equity -** In terms of Regulation 44 (3) of Tariff Regulations 2024, the base rate of return on equity shall be considered at 14%.

(c) **Normative Loan and Notional IDC –**

(a) In terms of Regulation 3 (11) read with Regulation 19 (2) (b) of the Tariff Regulations 2024, equity deployed in excess of 30% of the fund deployed has been considered as normative loan and notional IDC of Rs. 89.00 Cr up to 31.03.2025 has been considered as part of the capital cost of the project.

(b) In respect of the notional IDC claimed for the funds deployed prior to the investment approval, it is submitted that investment

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approval for mining projects is considered by the Board of NTPC after receipt of major statutory clearances like Environment Clearance, Stage-I Forest Clearance, Stage-II Forest Clearance etc. from MoEF&CC and other statutory authorities.

(c) Also, before seeking investment approval from the Board following major activities incurring significant expenditure are required to be carried out:

i) Payment to Ministry of Coal, GoI:
    a. Upfront payment (first instalment) immediately upon successful block allocation.
    b. Subsequent payment(s) of instalments thereafter.
ii) Preparation of Geological Report (Technical consultancy charges):
    a. Drilling activities
    b. Preparation of technical report (detailed GR)
    c. Vetting of GR
iii) Preparation of Mining Plan (Technical consultancy charges):
    a. Consultancy charges for accredited MPPAs (Mining Plan Preparation Agencies)
iv) Environmental Clearances (Technical Consultancy charges)
    a. Charges of NABET accredited consultants for EIA study.
    b. Cost to be deposited with State Government for CTE (Consent to Establish).
v) Forest Clearance:
    a. Deposit of NPV of forest land proposed for diversion
    b. Deposit of cost towards compensatory afforestation
    c. Deposit of cost towards Site Specific, Regional, Integrated Wildlife Management Fund.
vi) Socio-political:
    a. Preparation of Socio-Economic Survey report *(Technical consultancy through listed agencies)*
    b. Initial Community Development activities

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vii) Initial Mine Infrastructure including temporary office, residential establishments, temporary construction power arrangements, Construction / Strengthening of approach roads etc.

viii) Initial Land and R&R:

a. Cost of land acquisition

i. Considering that the Mining projects involve acquisition of huge parcel of land, investment approval is placed before the Board after ensuring the availability of the significant land.

ii. Land notification process is completed alongside process of various statutory clearances and therefore payment towards land acquisition starts before investment approval.

b. Cost of rehabilitation

(d) As the land compensation was finalized by the State Govt. and the statutory clearances like forest clearance were still under process, advance expenditure has been done before the Investment approval. It is submitted that a major component of the advance expenditure approved was corresponding to the land acquisition and R&R as finalized by the State Government.

(e) In view of the above circumstances, Petitioner was required to infuse the funds/equity before the investment approval.

(f) Further as mentioned before, Kerandari coal block allotment was cancelled by Hon'ble Supreme Court in Sept'2014 and Kerandari block was reallocated in Sep'2015 to NTPC under Coal Mines Special Provisions Act, 2015.

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(g) Subsequently, the clearances obtained earlier were transferred to the Petitioner by the Ministry of Coal after a due process which impacted the completion of the pending activities and issuance of the statutory clearances for the Project, a necessary pre-requisite before seeking investment approval from the Board. Owing to the process of de-allocation/reallocation of the coal block the Investment approval process also got delayed.

(h) It is submitted that the notional IDC on capital expenditure incurred before investment approval has been claimed considering the above-mentioned facts that such payments are mandated under various Government regulations (statutory clearance processes), Government directives (to proceed with land acquisition process), Initial Project costs (cost of surveys and report preparation along with initial establishments) etc. Accordingly, it is prayed that the Hon'ble Commission may be pleased to allow the claimed notional IDC.

(d) **FERV -** During the construction period, in the erstwhile IGAAP as per Para 46A of AS-11, FERV on loan was to be capitalized and accordingly the same was claimed as part of capital cost. However, as per Ind-AS, FERV on Foreign currency loans drawn after 01.04.2016 shall not form part of Gross Block and shall be charged to the statement of Profit & Loss as Borrowing cost/FERV. Further, as per Clause 19(2)(c) of Tariff Regulations, 2024, any gain or loss on account of foreign exchange risk

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variation pertaining to the loan availed during the construction period shall form part of capital cost.

Accordingly, the Petitioner has considered the FERV (incurred during construction period) on foreign currency loan drawn after 01.04.2016 charged to P&L in the capital cost. ERV of Rs 818.34 Lakh as Loan FERV and short term ERV after 01.04.2016 transferred to profit & loss account up to 31.03.2025 and the same has been adjusted with capital cost of the project.

(e) **Unamortized Finance Charges** - In the erstwhile IGAAP, loan issue expenses paid upfront were accounted as and when incurred and the same were used to be claimed as a part of IDC during construction period. Under Ind-AS the upfront expenditure pertaining to bond issue expenses is to be amortized over the tenure of the loan resulting in part capitalization as IDC till construction period. Since actual cash expenditure is to be included in capital cost, Petitioner may be allowed to include the unamortized part of bond issue expenses of Rs. 311.62 Lakh in the capital cost as on COD of Coal Mine (01.04.2025) and accordingly the same has been claimed.

(f) **Rate of Interest on Loan** - In terms of Regulation 44 (5) of the Tariff Regulations 2024, the interest on loan shall be considered based on the actual weighted average rate of interest of the project.

(g) **Depreciation** - In terms of Regulation 45 of the Tariff

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Regulations 2024, the depreciation is computed as per the straight-line method as per the life of assets provided in **Appendix III** of the Regulations 2024.

(h) **O&M Expenses** - In terms of Regulation 46 (a) of the Tariff Regulations, 2024, the O&M expenses shall be allowed based on the projected O&M expenses for each year of the tariff period, subject to prudence check by this Hon'ble Commission. Notably, the O&M expenses are subject to truing up based on actual expenses for the tariff period ending on 31.03.2029. In this regard, the O&M expenses have been claimed based on the projected O&M expenses with sampling charges for the period FY'2025-29.

(i) **Statutory Charges** - In terms of Regulation 38(2) of the Tariff Regulations 2024, the statutory charges shall form a part of the input price of coal. These expenses have been indicated as applicable as on date and it is respectfully submitted that any increase or decrease in statutory charges shall be submitted at the time of truing up. Further, GST @ 5% will be applicable along with GST Compensation Cess @ Rs. 400/- per ton, if the coal is supplied to a station having a different GST number.

It is further submitted that Payment of Royalty charges is considered, based on price notified under Gazette Notification no. 135 dated 20.03.2025 and subsequently notification dated 05.04.2025 of Govt. of Jharkhand for the Month of April'2025.

True copy of GoJh notification dated 05.04.2025 annexed as **ANNEXUR-P/25.**

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(j) **Fixed Reserve Price:** Fixed reserve price claimed for the period from FY 2025-26 to 2028-29 is based on the actual fixed reserve price applicable for the financial year 2025-26 as per office order of Nominated Authority, Ministry of Coal, GoI. True copy of office order dated 30.09.2024 annexed as **ANNEXUR-P/26.**

(k) **Additional Capitalization:** The year-wise projected additional capital expenditure has been claimed under the Form-9 of the tariff forms and enclosed as part of Appendix-I herewith.

(l) **Mining Charge** –

a. Regulation 39(2) of the Tariff Regulations, 2024 provides that mining fee of MDO or Mining agencies or expenditure from MDO/ Mining agencies towards carrying out mining operations shall be allowed as part of input price of coal.

b. Mining fee has been claimed as per the actual average MDO charges paid to MDO for FY 24-25.

c. In terms of the agreement signed with MDO, mining fee is subject to escalation based on pre-defined formula. In terms of the agreement signed with the MDO, the Mining-Fee (MF) or cost for mining operation are subject to periodic (quarterly) escalation based on indices/prices of components

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like heavy machinery parts, fuel, explosives, power, tyres, salaries & wages etc. as per the formulae provided in the MDO agreement.

d. Since the present petition is filed on anticipated basis for the period of 2025-29 starting from date 01.04.2025; the Mining Fee has been claimed based on actual Mining Fees paid to the MDO for FY 2024-25 and extrapolating same for subsequent years after assuming average increase of 5.25% per annum. It is stated that the detailed calculation for Escalation of Mining Fee in terms of the MDO Agreement for 2025-29 period shall be submitted before this Hon'ble Commission at the time of truing up. In view of the above, the Mining Fee (MF) claimed in terms of the MDO agreement is as follows: -

	(FY 24-25) Actual	(FY 25-26) Forecasted	(FY 26-27) Forecasted	(FY 27-28) Forecasted	(FY 28-29) Forecasted
Base MF Rs/MT	1490.94	1,490.94	1,569.21	1,651.60	1,738.31
Escalation in Mining Fee %		5.25%	5.25%	5.25%	5.25%
Escalated Mining Fee		1,569.21	1,651.60	1,738.31	1,829.57

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e. It is submitted that for future period, Hon'ble Commission may be pleased to allow to bill the input price of coal based on quarterly escalated price of MDO to avoid accumulation of arrears. Detailed calculation in regard to escalation of MDO price shall be submitted before the Hon'ble Commission at the time of truing up.

f. It is also submitted that the clause (2) of Regulation 51 of Tariff Regulations, 2024, provides that the generating company shall be allowed to adjust shortfall or excess of overburden removal during a year, as the case may be, if any, during the remaining years of the tariff period till 31.03.2029. Therefore, adjustment of input price of coal due to shortfall or excess in overburden removal shall be submitted before the Hon'ble Commission at the time of truing up. Hon'ble Commission may be pleased to allow the same.

(m) **Surface Transportation Charges –** It is submitted that due to the reasons beyond the control of the petitioner like delay in forest land transfer & tree cutting permission as detailed above, there is a delay in construction of permanent coal evacuation system (closed belt conveyors) from Kerandari to Gopda Village section. In addition, resistance from villagers, law & order and R&R issues has further delayed the conveyor work progress. Considering the above facts, MOEF

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&CC vide File No.: J-11015/133/2007-JA. II(M) dated 30.10.2024, accorded approval for amendment in EC to allow the coal evacuation through road and rail.

Presently as per approved EC, coal from the Mine is being transported to the end use plant i.e. Tanda – II STPS using a combination of road and rail, via Tori railway siding. Petitioner has claimed the Surface Transportation Charges (Road) in the calculation of Input Price in terms of Regulation 40 read with Regulation 38. Hon'ble Commission may be pleased to allow the same.

(n) **Annual Target Quantity (ATQ):**

It is submitted that sub-clause (5) of Regulation 3 of CERC Tariff Regulations, 2024 defines that the ATQ in respect of an integrated mine(s) means the quantity of coal or lignite to be extracted during a year from such integrated mine(s) corresponding to 85% of the quantity specified in the Mining Plan.

i. Further, the sub-clause (2) of Regulation 39 of CERC Tariff Regulations, 2024 provides that the Run of Mine Cost of coal in case of integrated mine allocated through allotment route under Coal Mines (Special Provisions) Act, 2015 shall be worked out as under:

ii. ROM Cost = [(Annual Extraction Cost / (ATQ or Actual production whichever is higher) + Mining Charge] + (Fixed Reserve Price).

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iii. As mentioned above, the ROM Cost is also dependent on the actual production of coal during a year. However, the details of actual production for the tariff period 2025-29 shall be available in due course of time. In view of the same, the quantity specified in the Mining Plan has been considered as ATQ for calculation of the ROM Cost in the instant Petition. However, same shall be replaced with the ATQ or Actual production quantity in terms of the Regulation 39 (2) of CERC Tariff Regulations, 2024 during truing up.

(o) **Adjustment in Capital Cost on Account of Sale of Coal Prior to COD -** It is submitted that Regulation 7 of the Tariff Regulations, 2024 provides that any amount received from sale of coal prior to CoD shall be adjusted in the Capital Cost of the project. In this regard, it may be noted that the Input Price of coal prior to CoD has been received as per the notified price of Coal India Limited was lower than then the estimated price available in the investment approval for the corresponding grade of coal supplied to the power sector. In this regard, the Regulation 7 of the Tariff Regulations 2024 has been reproduced herein below-

*"**7. Supply of Coal or Lignite prior to the Date of Commercial Operation of Integrated Mine:** The input price for supply of coal or lignite from the integrated mine(s) prior to their date of commercial operation shall be:*

(a) in case of coal, the estimated price available in the

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investment approval, or the notified price of Coal India Limited for the corresponding grade of coal supplied to the power sector, whichever is lower; and

(b) …

Provided that any revenue earned from supply of coal or lignite prior to the date of commercial operation of the integrated mine(s) shall be applied in adjusting the capital cost of the said integrated mine(s).”

Mine Closure Expenses

60. Regulation 48 of the Tariff Regulations, 2024 provides that if the mine closure is undertaken by the generating company i.e., the Petitioner, the amount deposited in the Escrow account as per the Mining Plan, after adjusting interest earned, if any, on the said deposits shall be admitted as Mine Closure Expenses. Regulation 48 of the Tariff Regulations, 2024 reads as under:

*“**48. Mine Closure Expenses:** (1) Where the mine closure is undertaken by the generating company, the amount deposited in the Escrow account as per the Mining Plan, after adjusting interest earned, if any, on the said deposits shall be admitted as Mine Closure Expenses:*

Provided that,

a) the amount deposited in the Escrow account as per the Mining Plan prior to the Date of Commercial Operation of the integrated mine(s) shall be indicated separately and shall be recovered over the useful life of the integrated mine(s) in the form of annuity linked to the borrowing rate;

b) the amount deposited in the Escrow account as per the Mining Plan or any expenditure incurred towards mine closure shall be excluded from the capital cost for computing tariff;

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c) where the expenditure incurred towards mine closure falls short of or is in excess of the reimbursement received from the Escrow account during the tariff period 2024-29, the shortfall or excess shall be carried forward to the subsequent years for adjustments.

(2) The amount towards mine closure shall be deposited in the Escrow account as per the Mining Plan and shall be recovered as part of input price irrespective of the expenditure incurred towards mine closure during any of the years of the tariff period.

(3) Where mine closure is within the scope of Mine Developer and Operator engaged by the generating company and mine closure expenses are part of the Mining Charge of Mine Developer and Operator, the mine closure expenses shall be met out of the Mining Charge and no mine closure expenses shall be admissible to the generating company separately:

Provided that,

a) the amount deposited in the Escrow account by the Mine Developer and Operator or by the generating company and any amount received from the Escrow Account against expenditure incurred towards mine closure shall not be considered for computing input price; and

b) the difference between the borrowing cost, arrived at by considering the weighted average rate of interest calculated on the basis of actual loan portfolio in accordance with the methodology specified in Regulation 32 of these regulations, and the amount deposited in Escrow account and the interest received from Escrow account in a year shall be adjusted in the input price of coal or lignite of the respective year, as part of mine closure expenses, on case to case basis;

(4) Where the mine closure is within the scope of Mine Developer and Operator engaged by the generating company only for a part of useful life of the integrated mine(s) and the

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generating company undertakes the mine closure for the balance useful life, the treatment of mine closure during the period undertaken by the generating company shall be in accordance with Clause(1) of this Regulation and mine closure during the period undertaken by the Mine Developer and Operator shall be in accordance with Clause (3) of this Regulation:

Provided that the treatment of mine closure at the end of useful life of the integrated mine(s) shall be decided by the Commission on case to case basis."

61. Mine closure involves planning effectively for the after-mining landscape i.e., all activities required before, during, and after the operating life of a mine that are needed to produce an acceptable landscape economically. It may be noted that the mine closure activities can be broadly divided in following two categories:

(a) Progressive or Concurrent Mine Closure, and

(b) Final Mine Closure.

62. Progressive mine closure includes various land use activities to be done continuously and sequentially during the entire period of the mining operations. On the contrary, final mine closure activities would start towards the end of mine life. It shall continue after the reserves are exhausted and mining is discontinued till the mining area is restored to an acceptable level.

63. In case of Kerandari Coal Mine of the Petitioner, which is an MDO operated mine, progressive mine closure is in the scope of MDO Agreement and expenses towards progressive mine closure have been built up in MDO mining fee. However, the final mine closure activities are to be carried out by the Petitioner and expenses thereof are to be

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borne by the Petitioner only.

64. It may be noted that even though progressive closure is in the scope of MDO, the total estimated amount towards mine closure activities i.e., the amount towards progressive mine closure as well as final mine closure, is required to be deposited into the Escrow account by the Petitioner. In this regard, relevant extracts of Project Agreement are annexed herewith and marked attached as **ANNEXURE – P/27.**

65. It is further submitted that the works of progressive mine closure shall be carried out by the MDO during operational life of the mine and the details of expenditure towards progressive mine closure shall be submitted to the Coal Controller/competent authority.

66. As per the Office Memorandum dated 31.01.2025, issued by Ministry of Coal, Government of India, only 50% of amount deposited shall be reimbursed during operational life of mine after verification of completion of works as per mine plan by the competent authority. A true copy of the Office Memorandum dated 31.01.2025 is attached herewith and marked as **ANNEXURE – P/28**.

67. In view of the above, it is evident that 50% of the amount submitted in Escrow account is towards progressive mine closure and balance is towards final mine closure expenses. As the progressive mine closure is in the scope of MDO, the cost of activities corresponding to progressive mine closure is included in MDO fee. Therefore, treatment of 50% of amount submitted in Escrow account may be allowed as per Regulation 48 (3) of the Tariff Regulations, 2024, whereby, the

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difference between borrowing cost of 50% of amount deposited in Escrow account *qua* the progressive mine closure along with the interest received from Escrow account in a year corresponding to 50% of amount submitted in Escrow account shall be allowed as mine closure expenses.

68. Activities corresponding to the balance amount submitted in Escrow account are corresponding to final mine closure and within the scope of work of the Petitioner. Therefore, treatment of balance amount deposited in Escrow account should be as per Regulation 48 (1) of the Tariff Regulations 2024, whereby, 50% of amount deposited in Escrow account may be allowed as part of input price of coal without adjusting interest earned as the generating company shall be receiving no interest from Escrow account during operating life of mine.

69. The Petitioner has accordingly calculated the input price of coal for FY 2024-29 period based on the above and the same is enclosed as part of **Appendix-I** to the present Petition.

Provisional billing of input price of coal as per this petition

70. The proviso to Regulation 37(2) provides as under:

"Provided that the generating company may request an interim input price in its petition, which may be allowed by the Commission up to 90% of the claimed input price after the first hearing of the application;

Provided further that the difference between the input price of coal determined under these regulations and the input price of coal either adopted by the generating company in terms of this sub-regulation or the interim input price allowed by the Commission under the first

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proviso to this sub-regulation shall be recoverable or payable in accordance with sub-regulation (4) of this Regulation."

71. It is submitted that the Petitioner is presently billing input price of coal from Kerandari Coal Mines at the notified price of Coal India Limited in terms of the Tariff Regulations, 2024. The claim of input price in the instant petition is in variance with the billed input price of coal. Considering that the input price determination may take time, it is prayed that this Hon'ble Commission may allow the Petitioner to provisionally bill 90% of the input price of coal as per the present Petition in terms of the above quoted proviso to Regulation 37(2) till the time input price is determined and this petition is disposed off.

72. The Petitioner further respectfully submits that the wage/ salary revision of the employees of the Petitioner will be due with effect from 01.01.2027. As per Regulation 36(1)(8) of the Tariff Regulations 2024, the impact on account of implementation of wage/ pay revision shall be allowed at the time of truing up of tariff. The Petitioner therefore craves liberty to approach the Hon'ble Commission for allowing the impact on account of implementation of wage/ pay revision of the employees of the Petitioner with effect from 01.01.2027, based on the actual payments whenever paid by it.

73. The petitioner has accordingly calculated the input price for supply of coal from Kerandari mine for 2025-29 period based on the above and the same is enclosed as Appendix-I to this petition.

74. The Petitioner craves liberty to approach the Hon'ble Commission for

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making the claim, depending upon the decision of Court of law for the issue(s) pending before them, if any.

Filing Fee

75. It is submitted that the Petitioner has already paid the requisite filing fee. The proof of payment of fees is being submitted in Form I specified under Regulation 12 of the Central Electricity Regulatory Commission (Payment of Fees) Regulations, 2012, as amended from time to time. Further Regulation 94 (1) of Tariff Regulations 2024 provides that the application fee and publication expenses may be allowed to be recovered directly from the beneficiaries at the discretion of the Hon'ble Commission. Accordingly, it is prayed that Hon'ble Commission may be pleased to allow recover filing fee and publication fee directly from the beneficiaries.

76. It is submitted that the Petitioner has uploaded the copy of the Petition at CERC site (Saudamini), the access of which is available to all the Respondents mentioned herein above and therefore the petition stands served to all the respondents. Further, the petitioner has also posted the Petition on the company website i.e. www.ntpc.co.in.

77. Apart from the above-mentioned submissions, NTPC wishes to inform this Hon'ble Commission that the instant mine/assets are in the process of being transferred by NTPC to a fully owned subsidiary by the name of "NTPC Mining Limited (NML)" in terms of a Business Transfer Agreement (BTA) signed on 17.08.2023. It is stated that the modalities of transfer are still under way and NTPC undertakes to inform as well as substitute in its place its subsidiary as the Petitioner

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in the instant petition once the transfer is complete in all respects.

78. The Petitioner undertakes to submit any further information or clarification which may be required by this Hon'ble Commission for adjudication of the present petition.

V. PRAYERS

79. In light of the submissions made above, the Petitioner prays that this Hon'ble Commission may be pleased to: -

(a) Approve input price of coal of Kerandari Coal Mine for the period from 01.04.2025 to 31.03.2029 as per the provision of Regulation 9 (4) read with Chapter 9 of Tariff Regulations, 2024;

(b) Allow the recovery of filing fees as & when paid to the Hon'ble Commission and publication expenses from the beneficiaries in terms of the Tariff regulation 2024 (as amended);

(c) Allow the recovery of pay/wage revision under O&M expenses as and when applicable;

(d) Allow mine closure expenses as submitted in the petition;

(e) Allow the Petitioner to provisionally bill 90% of input price of coal as per this petition till the time the present petition is disposed of with permission for retrospective adjustment;

(f) Condone any error/omission in the petition and to grant an

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opportunity to the Petitioner to rectify the same;

(g) Permit the Petitioner to make such further submission(s), addition(s) and alteration(s) to this Petition as may be necessary from time to time;

(h) Pass any other order as it may deem fit in the circumstances mentioned above.

FILED BY

Place: Noida

Petitioner

Date: 27.06.2025

(NTPC Limited)

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Reason: AGM(Commercial)
Location: NTPC Limited

BEFORE THE CENTRAL ELECTRICITY REGULATORY COMMISSION

NEW DELHI

Petition No:

In Diary No-330/2025

IN THE MATTER OF	:	Petition under Section 62 and 79 (1) (a) of the Electricity Act, 2003 read with Chapter-III of the Central Electricity Regulatory Commission (Conduct of Business) Regulations, 2023 and Regulation 9 & Chapter-9 of the Central Electricity Regulatory Commission (Terms and Conditions of Tariff) Regulations, 2024 for approval of input price of coal supplied from Kerandari Mine for the period from COD i.e. 01.04.2025 to 31.03.2029.
AND IN THE MATTER OF	:	
Petitioner	:	NTPC Ltd. NTPC Bhawan Core-7, Scope Complex 7, Institutional Area, Lodhi Road New Delhi – 110003
Respondents:	:	Uttar Pradesh Power Corp. Ltd. (UPPCL) & and others

NOTARY PUBLIC BALKRISHNA DIXIT G.B. NAGAR (U.P.) Regd. No. 7167 NOTARIAL GOVT. OF INDIA

AFFIDAVIT

I, Parimal Piyush, S/o Late Bharat Mishra, aged about 49 years, working as Additional General Manager (Commercial) R/o IN1-2004 Eldeco Aamantran, Sector -119 Noida-201301 do hereby solemnly affirm and state as follows:

1. That the deponent is the authorized signatory of the Petitioner NTPC Ltd. and is well conversant with the facts and the circumstances of the case and therefore competent to swear this affidavit.

NOTARY PUBLIC BALKRISHNA DIXIT G.B. NAGAR (U.P.) Regd. No. 7167 GOVT. OF INDIA

परिमल पीयूष/PARIMAL PIYUSH
अपर महाप्रबन्धक (वाणिज्यिक)/Addl. General Manager (Commercial)
एन टी पी सी लिमिटेड/NTPC LIMITED
EOC, A-8A, Sector-24, Noida-201301 (U.P.)

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Digitally signed by PARIMAL PIYUSH
Date: 2025.06.29 14:23:24 IST
Reason: AGM(Commercial)
Location: NTPC Limited

2. That the accompanying additional submission has been filed by my authorized representative under my instruction and the contents of the same are true and correct to the best of my knowledge and belief.

3. That the contents of Para 1 to 79 of the facts as mentioned in the Petition are true and correct based on my the personal knowledge, belief and records maintained in the office.

4. That the annexures annexed to the additional submission are correct and true copies of the respective originals.

5. That the Deponent has not filed any other Petition or Appeal before any other forum or court of law with respect to the subject matter.

(Deponent)

परिमल पीयूष/PARIMAL PIYUSH
अपर महाप्रबन्धक (वाणिज्यिक)
Addl. General Manager (Commercial)
एन टी पी सी लिमिटेड/NTPC LIMITED
EOC, A-8A, Sector-24, Noida-201301 (U.P.)

Verification:

Verified at Noida on this ..... day of June 2025, that the contents of my above noted affidavit are true and correct to my knowledge and no part of it is false and nothing material has been concealed therefrom.

(Deponent)

परिमल पीयूष/PARIMAL PIYUSH
अपर महाप्रबन्धक (वाणिज्यिक)
Addl. General Manager (Commercial)
एन टी पी सी लिमिटेड/NTPC LIMITED
EOC, A-8A, Sector-24, Noida-201301 (U.P.)

NOTARY PUBLIC
BALKRISHNA DIXIT
G. B. NAGAR (U.P.)
Regd. No. 7167
GOVT. OF INDIA

ATTESTED
BALKRISHNA DIXIT
Advocate (Notary)
R. No. 7167
GAUTAM BUDH NAGAR (U.P.)
27 JUN 2025

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Reason: AGM(Commercial)
Location: NTPC Limited

TARIFF FILING FORMS (INTEGRATED MINE)

FOR DETERMINATION OF INPUT PRICE

FOR

KERANDARI Mine

(From 01.04.2025 to 31.03.2029)

PART-IV

ANNEXURE-I

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Date: 2025.06.26 14:23:24 IST
Reason: AGM(Commercial)
Location: NTPC Limited

Checklist of Main Tariff Forms and other information for tariff filing for Integrated Mine

Form No.	Title of Tariff Filing Forms (Integrated Mine)	Tick
FORM- 1	Summary of Input Price	✓
FORM -1A	Summary of ROM Cost	✓
FORM -1B	Summary of Additional Charges	N/A
FORM-2	Statement showing claimed Capital Cost	✓
FORM-2A	Statement showing claimed Return on Equity	✓
FORM-2B	Statement showing claimed O&M cost	✓
FORM- 3	Mine Characteristics/Important Details as per Mine Plan	✓
FORM- 3A	Normative Parameters considered for Input Price computation	✓
FORM- 4	Details of Foreign loans	✓
FORM- 4A	Details of Foreign Equity	N/A
FORM-5	Abstract of Admitted Capital Cost for the existing Integrated Mine	N/A
FORM- 6	Financial Package up to date of commercial operation & up to Peak rated capacity	✓
FORM- 7	Details of Integrated Mine Specific Loans	N/A
FORM- 8	Details of Allocation of corporate loans to Integrated Mine	✓
FORM-9	Year wise Statement of Additional Capitalization after date of commercial operation up to/ beyond achieving Peak rated Capacity	✓
FORM- 10	Financing of Additional Capitalization	**
FORM- 11	Calculation of Depreciation	✓
FORM- 12	Statement of Depreciation	✓
FORM- 13	Calculation of Weighted Average Rate of Interest on Actual Loans	✓
FORM- 14	Draw Down Schedule for Calculation of IDC & Financing Charges	✓
FORM- 15	Non-Tariff Income	**
FORM- 16	Details of Applicable Statutory Charges	✓
FORM-17	Details of Mine Closure expenses	✓
FORM- 18	Details for GCV Adjustment	**

** Shall be provided at the time of truing up.

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PART-IV

List of Supporting Forms / documents for tariff filing for Integrated Mine

Form No.	Title of Tariff Filing Forms (Integrated Mine)	Tick
FORM-A	Abstract of Capital Cost Estimates and cost on date of commercial operation of the Integrated Mine	✓
FORM-B	Break-up of Capital Cost for New Integrated Mine	✓
FORM-C	Break-up of Construction/Supply/Service Packages	✓
FORM –D	Details of Assets De-capitalized during the period	**
FORM –E	Reconciliation of Capitalization claimed vis-à-vis books of accounts	✓
FORM –F	Statement showing details of items/assets/works claimed under Exclusions	**
FORM-G	Statement of Capital cost	✓
FORM-H	Statement of Capital Woks in Progress	✓
FORM-I	Calculation of Interest on Normative Loan	✓
FORM-J	Calculation of Interest on Working Capital	✓
FORM-K	Incidental Expenditure up to date of commencement of Production and up to Actual/anticipated date of commercial operation	✓
FORM-L	Expenditure under different packages up to date of commencement of Production and up to Actual/anticipated date of commercial operation	✓
FORM-M	Actual cash expenditure	✓
FORM-N	Statement of Liability flow	✓

List of supporting documents for tariff filing for Integrated Mine

S. No.	Information / Document	Tick
1	Certificate of incorporation, Certificate for Commencement of Business, Memorandum of Association, & Articles of Association (For New Integrated Mine setup by a company making application for the first time to CERC)	N/A
2	A. Mine wise and Corporate audited Balance Sheet and Profit & Loss Accounts with all the Schedules & annexures on date of commercial operation of the Mine for the new mine & for the relevant years. B. Mine wise and Corporate audited Balance Sheet and Profit & Loss Accounts with all the Schedules & annexures for the existing mine for relevant years.	✓
3	Copies of relevant loan Agreements	✓
4	Copies of the approval of Competent Authority for the Capital Cost and Financial package.	✓
5	Copies of the Equity participation agreements and necessary approval for the foreign equity.	N/A
6	List of End use generating plant to whom supplies made/to be made and quantity supplied/to be supplied	N/A
7	Integrated Mine shall submit copy of Cost Audit Report along with cost accounting records, cost details, statements, schedules etc. for the Integrated Mine and subsequently consolidated at Company level as submitted to the Govt. of India from the date of commencement of production in case of a new mine or first two years i.e. 2019-20 and 2020-21 at the time of mid-term true- up in 2021-22 and for balance period of tariff period 2019-24 at the time of final true-up in 2024-25. In case of initial tariff filing the latest available Cost Audit Report should be furnished.	**
8	Any other relevant information, (Please specify)	
9	Reconciliation with Balance sheet of any actual capitalization or additional capitalization year on year basis duly audited	✓
10.	Integrated mine is maintaining the records to be submitted frequently to the Coal Controller Office. Copy of Same should be furnished to the Commission at the time of submission to CCO. Forms may be suitably modified to furnish relevant important information for input price determination	

** To be provided at the time of truing up

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Date: 2025.06.26 14:23:24 IST
Reason: AGM(Commercial)
Location: NTPC Limited

PART-IV
FORM- 1

Summary of Input Price

Name of the Petitioner: **NTPC Ltd**

Name of the Integrated Mine: **Kerandari**

Place (Region/District/State): ER/Jharkhand

S. No.	Particulars	Unit	Existing 2023-24	2024-25	2025-26 (01.04.2025 to 31.03.2026)	2026-27	2027-28	2028-29
1	2	3	4	5	6	7	8	9
1.1	ROM Cost as per Form 1 A	Rs/Tonne	NA	NA	2453.33	2452.11	2706.69	2855.04
1.2	Surface Transportation Charges	Rs/Tonne			502.94	439.76	495.77	470.21
	Input Price	Rs/Tonne			2956.27	2891.87	3202.47	3325.25
1.3	Statutory Charges	Rs/Tonne			794.71	811.90	811.97	821.77
1.4	Total input price	Rs/Tonne			3750.98	3703.77	4014.44	4147.02
1.5	GST @ 5%	Rs/Tonne			187.55	185.19	200.72	207.35
1.6	GST Compensation Cess @Rs 400	Rs/Tonne			400.00	400.00	400.00	400.00
	Total input price	Rs/Tonne			4338.53	4288.96	4615.16	4754.37

Note: GST @5% and GST cess @Rs 400 per Ton shall be applicable in case coal is transferred to station having different GSTN.

(Petitioner)

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Reason: AGM(Commercial)
Location: NTPC Limited

Summary of ROM Cost

PART-IV
FORM- 1A

Name of the Petitioner: NTPC Ltd

Name of the Integrated Mine: Kerandari

Place (Region/District/State): ER/Jharkhand

S. No.	Particulars	Unit	Existing 2023-24	2024-25	2025-26 (01.04.2025 to 31.03.2026)	2026-27	2027-28	2028-29
1	2	3	4	5	6	7	8	9
1.1	Depreciation	Rs Lakh			6,325.80	8,444.36	12,719.03	14,119.10
1.2	Interest on Loan	Rs Lakh			6,416.48	8,090.35	10,160.55	10,417.80
1.3	Return on Equity	Rs Lakh			7,241.30	9,645.94	12,684.18	13,750.36
1.4	Interest on Working Capital	Rs Lakh			754.60	932.71	994.07	1,033.56
1.5	O&M Expenses excluding mining charge	Rs Lakh			10,852.68	11,480.08	12,080.54	12,713.18
1.6	Mine closure expense	Rs Lakh			432.65	458.97	486.76	515.99
1.0	**Total Annual Extraction Cost (Sum of above 1.1**	Rs Lakh			32,023.51	39,052.41	49,125.13	52,549.99
2.0	Annual Target Quantity (ATQ) as per mine	MMT	NA	NA	4.36	6.00	6.00	6.00
3.0	Annual Extraction cost per tonne (1.0 in Rs/2.0)	Rs/MT			734.48	650.87	818.75	875.83
4.1	Base Mining charge	Rs/MT			1,490.94	1,569.21	1,651.60	1,738.31
4.2	Escalation in Mining Fee	%			5.25%	5.25%	5.25%	5.25%
4.3	Escalated ming fee	Rs/Tonne			1,569.21	1,651.60	1,738.31	1,829.57
4.4	LD on Mining Fee	%						
4.5	Claimed Mining Fee	Rs/Tonne			1,569.21	1,651.60	1,738.31	1,829.57
5.0	Fixed Reserve Price	Rs/Tonne			149.64	149.64	149.64	149.64
6.0	ROM cost (3.0+4.5+5.0)	Rs/Tonne			2,453.33	2,452.11	2,706.69	2,855.04

(Petitioner)

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Reason: AGM(Commercial)
Location: NTPC Limited

Statement showing claimed capital cost

PART-IV
FORM-2

Name of the Petitioner: NTPC Ltd

Name of the Integrated Mine: Kerandari

Amount in Rs Lakhs

S. No.	Particulars	2024-25	2025-26 (01.04.2025 to 31.03.2026)	2026-27	2027-28	2028-29
1	**2**	**3**	**4**	**5**	**6**	**7**
1	Opening Capital Cost		1,27,757.72	1,46,788.09	2,32,288.09	2,66,188.09
a	Notional IDC		8,900.41			
b	ERV charged to revenue		818.34			
c	Unamortized bond issue expense		311.62			
1.d	Opening Capital Cost		**1,37,788.09**	**1,46,788.09**	**2,32,288.09**	**2,66,188.09**
2	Add: Addition during the year/period	NA	9,000.00	85,500.00	33,900.00	8,000.00
3	Less: De-capitalization during the year/period					-
4	Add: Discharges of Liability during the year/ period					
5	**Closing Capital Cost (1+2-3+4)**		1,46,788.09	2,32,288.09	2,66,188.09	2,74,188.09
6	**Average Capital Cost**		1,42,288.09	1,89,538.09	2,49,238.09	2,70,188.09

(Petitioner)

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Date: 2025.06.28 14:23:24 IST
Reason: AGM(Commercial)
Location: NTPC Limited

Statement showing claimed Return on Equity

PART- IV
FORM-2A

Name of the Petitioner: NTPC Ltd

Name of the Integrated Mine: Kerandari

Amount in Rs Lakhs

Sr	Particulars	2024-25	2025-26 (01.04.2025 to 31.03.2026)	2026-27	2027-28	2028-29
1	2	3	4	5	6	7
Return on Equity						
1	Opening Equity		41,336.43	44,036.43	69,686.43	79,856.43
2	Add: Increase in equity due to addition during the year / period		2,700.00	25,650.00	10,170.00	2,400.00
3	Less: Decrease due to De-capitalization during the year / period		-	-	-	-
4	Add: Increase due to discharges during the year / period	NA	-	-	-	-
5	**Closing Equity (1+2-3+4)**		44,036.43	69,686.43	79,856.43	82,256.43
6	Average Equity		42,686.43	56,861.43	74,771.43	81,056.43
7	Rate of ROE (Pre Tax)		16.96	16.96	16.96	16.96
8	Total ROE		7,241.30	9,645.94	12,684.18	13,750.36

(Petitioner)

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Reason: AGM(Commercial)
Location: NTPC Limited

Statement showing claimed O&M cost

PART-IV
FORM-2B

Name of the Petitioner: NTPC Ltd

Name of the Integrated Mine: Kerandari

Amount in Rs Lakhs

hba	Particulars	2024-25	2025-26 (01.04.2025 to 31.03.2026)	2026-27	2027-28	2028-29
1	2	3	4	5		7
1	Opening Capital Cost	NA	1,27,757.72	1,46,788.09	2,32,288.09	2,66,188.09
2	Add: Addition during the year/period		9,000.00	85,500.00	33,900.00	8,000.00
3	Less: De-capitalization during the year/period		-	-	-	-
4	Add: Discharges of Liability during the year/ period		-	-	-	-
5	**Closing Capital Cost (1+2-3+4)**		1,36,757.72	2,32,288.09	2,66,188.09	2,74,188.09
6	Average Capital Cost		1,32,257.72	1,89,538.09	2,49,238.09	2,70,188.09
7	Projected annual O&M in terms of Regulation 46*		10,699.88	11,269.80	11,870.26	12,502.90
8	Annual Charge of Agency(ies) Other Than MDO[#] :					-
	- Loading cost		-	-	-	-
	- Sampling cost		152.80	210.28	210.28	210.28
9	Total projected annual O&M		**10,852.68**	**11,480.08**	**12,080.54**	**12,713.18**

***Projected O&M expenditure is based on Actual Expenditure for 2024-25 with 5.25% escalation in subsequent years.**

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Reason: AGM(Commercial)
Location: NTPC Limited

Mine Characteristics/Important Details as per Approved Mine Plan dated 04.08.2008 (Ref No. 13016/29/2003-CA-I)	PART- IV FORM-3

Name of the Petitioner: NTPC Ltd

Name of the Integrated Mine: Kerandari

Sr No	Parameters	Values
1	Mining plan/Mine closure plan Revision number and date of revision, if any	None
2	Peak rated Capacity	6MMT
3	Year in which proposed to be achieved	FY 2025-26
4	Mineable reserves	139.74 MMT
5	Mining area land - Acquired/ Leased	754 Ha
6	If Leased - Period and terms of lease	Till Mine life
7	Mining Block Area	654 Ha
8	Type of Mining	Opencast
9	Method of Mining	Shovel-Dumper Combination
10	Mine life in Years	25 (Including 2 years construction period)
11	Scheduled date of commercial operation as per Investment approval	Not Applicable
12	Distance of Loading Point from mine end	Tori Siding-96Km, North karanpura Power plant-21Km
13	Gross Calorific value (GCV in Kcal/Kg) of coal as per Geological Report, Range ,Mean	Range : 4300-4600 (G10) to 4000-4300 (G11) Kcal/Kg
14	Specific gravity of coal (Avg)	1.68
15	Main Equipments	Excavator (4.5 cum) - 02 Excavator (3.6 cum) - 08 Excavator (3.2 cum) - 07 Tipper (28 cum) -12 Tipper (22 cum) - 66 Dozer (170 HP) -09 Dozer (200 HP) -02 Dozer (240 HP) -02 Grader (145 HP) -03 Drill Rig (110 mm)- 08
16	Other Important Parameters as deemed necessary	

CALENDER PRODUCTION PROGRAMME DURING THIS TARIFF PERIOD

Production Year/s	Coal Production (Mt)	OB Removal (Mm^3)	Stripping Ratio (m^3/t)
2025-26	4.36	10.82	2.48
2026-27	6	14.87	2.48
2027-28	6	15.12	2.52
2028-29	6	18.15	3.03

ACTUAL PRODUCTION ACHIEVED DURING THIS TARIFF PERIOD

Production Year/s	Coal Production (Mt)	OB Removal (Mm^3)	Stripping Ratio (m^3/t)
2025-26	Will be submitted at the time of Truing Up		
2026-27			
2027-28			
2028-29			

(Petitioner)

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Reason: AGM(Commercial)
Location: NTPC Limited

Normative parameters considered for Input Price computations

PART- IV
FORM-3A

Name of the Petitioner : NTPC Ltd

Name of the Integrated Mine : Kerandari

Particulars	Unit	Existing 2023-24	2024-25	2025-26 (01.04.2025 to 31.03.2026)	2026-27	2027-28	2028-29
1	2	3	4	5	6	7	8
Base Rate of Return on Equity	%	NA	NA	14	14	14	14
Effective Tax Rate	%			17.472	17.472	17.472	17.472
Input Cost of Coal for WC	in days			7	7	7	7
Consumption of stores and spares % of O&M	%			15	15	15	15
One Month O&M Expenses	Rs lakh			904.39	956.67	1006.71	1059.43
Rate of Interest on Working Capital	%			**12.25**	**12.25**	**12.25**	**12.25**

(Petitioner)

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Date: 2025.06.28 14:23:24 IST
Reason: AGM(Commercial)
Location: NTPC Limited

Form-4							
		DETAILS OF FOREIGN LOANS					
		(Details only in respect of loans applicable to the project under petition)					
Name of the company		**NTPC LIMITED**					
Name of the Mine		**Kerandari Coal Mine**					
Exchange Rate as on	31-03-2025	USD = Rs.	86.27	EUR = Rs.	93.90	JPY = Rs.	0.5757

7.63% (Amount in Lacs) (Amount in Lacs) (Amount in Lacs)

Financial Year (Starting from COD)	**2024-25 (01.04.2024 to 31.03.2025)**				**2025-26 (01.04.2025 to 31.03.2026)**				**2026-27 (01.04.2026 to 31.03.2027)**			
1	**1**	**2**	**3**	**4**	**1**	**2**	**3**	**4**	**1**	**2**	**3**	**4**
Euro Loan I Drawl I	Date	Amount (FC)	Ex. Rate	Amount (INR)	Date	Amount (FC)	Ex. Rate	Amount (INR)	Date	Amount (FC)	Ex. Rate	Amount (INR)
Currency 1 JPY												
At the date of drawl	01-04-2024	37.33	91.51	3,416.38	01-04-2025	37.33	93.90	3,505.61	01-04-2026	37.33	93.90	3,505.61
Loan repayment upto previous period		-										
Net loan at the Beginning of the period	01-04-2024	37.33	91.51	3,416.38	01-04-2025	37.33	93.90	3,505.61	01-04-2026	37.33	93.90	3,505.61
Schedule repayment date of principal												
Scheduled payment date of interest	06-06-2024	0.89	93.90	83.86	06-06-2025	0.89	93.90	83.40	06-06-2026	0.89	93.90	83.40
Witholding tax including surcharge on interest	06-06-2024	0.02	93.90	1.49	06-06-2025	0.02	93.90	1.48	06-06-2026	0.02	93.90	1.48
Schedule repayment date of principal												
Scheduled payment date of interest	06-12-2024	0.89	93.90	83.86	06-12-2025	0.89	93.90	83.86	06-12-2026	0.89	93.90	83.86
Witholding tax including surcharge on interest	06-12-2024	0.02	93.90	1.49	06-12-2025	0.02	93.90	1.49	06-12-2026	0.02	93.90	1.49
Schedule repayment date of principal												
Scheduled payment date of interest												
Witholding tax including surcharge on interest												
	31-03-2025			89.23	31-03-2026			-	31-03-2027			-
At the end of Financial year	31-03-2025	**37.33**	**93.90**	**3,505.61**	31-03-2026	**37.33**	**93.90**	**3,505.61**	31-03-2027	**37.33**	**93.90**	**3,505.61**

1.64% (Amount in Lacs) (Amount in Lacs) (Amount in Lacs)

Financial Year (Starting from COD)	**2024-25 (01.04.2024 to 31.03.2025)**				**2025-26 (01.04.2025 to 31.03.2026)**				**2026-27 (01.04.2026 to 31.03.2027)**			
1	**1**	**2**	**3**	**4**	**1**	**2**	**3**	**4**	**1**	**2**	**3**	**4**
Euro Loan I Drawl II	Date	Amount (FC)	Ex. Rate	Amount (INR)	Date	Amount (FC)	Ex. Rate	Amount (INR)	Date	Amount (FC)	Ex. Rate	Amount (INR)
Currency 1 JPY												
At the date of drawl	01-04-2024	13.85	91.51	1,267.17	01-04-2025	13.85	93.90	1,300.27	01-04-2026	13.85	93.90	1,300.27
Loan repayment upto previous period												
Net loan at the Beginning of the period	01-04-2024	13.85	91.51	1,267.17	01-04-2025	13.85	93.90	1,300.27	01-04-2026	13.85	93.90	1,300.27
Schedule repayment date of principal												
Scheduled payment date of interest	06-06-2024	0.33	93.90	31.11	06-06-2025	0.33	93.90	30.94	06-06-2026	0.33	93.90	30.94
Witholding tax including surcharge on interest	06-06-2024	0.01	93.90	0.54	06-06-2025	0.01	93.90	0.54	06-06-2026	0.01	93.90	0.54
Schedule repayment date of principal												
Scheduled payment date of interest	06-12-2024	0.33	93.90	31.11	06-12-2025	0.33	93.90	31.11	06-12-2026	0.33	93.90	31.11
Witholding tax including surcharge on interest	06-12-2024	0.01	93.90	0.54	06-12-2025	0.01	93.90	0.54	06-12-2026	0.01	93.90	0.54
Schedule repayment date of principal												
Scheduled payment date of interest												
Witholding tax including surcharge on interest												
	31-03-2025			33.10	31-03-2026			-	31-03-2027			-
At the end of Financial year	31-03-2025	**13.85**	**93.90**	**1,300.27**	31-03-2026	**13.85**	**93.90**	**1,300.27**	31-03-2027	**13.85**	**93.90**	**1,300.27**

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Reason: AGM(Commercial)
Location: NTPC Limited

1.51% (Amount in Lacs) (Amount in Lacs) (Amount in Lacs)

Financial Year (Starting from COD)	2024-25 (01.04.2024 to 31.03.2025)				2025-26 (01.04.2025 to 31.03.2026)				2026-27 (01.04.2026 to 31.03.2027)			
1	1	2	3	4	1	2	3	4	1	2	3	4
Euro Loan I Drawl III	Date	Amount (FC)	Ex. Rate	Amount (INR)	Date	Amount (FC)	Ex. Rate	Amount (INR)	Date	Amount (FC)	Ex. Rate	Amount (INR)
Currency 1 JPY												
At the date of drawl	01-04-2024	12.72	91.51	1,164.46	01-04-2025	12.72	93.90	1,194.88	01-04-2026	12.72	93.90	1,194.88
Loan repayment upto previous period												
Net loan at the Beginning of the period	01-04-2024	12.72	91.51	1,164.46	01-04-2025	12.72	93.90	1,194.88	01-04-2026	12.72	93.90	1,194.88
Schedule repayment date of principal												
Scheduled payment date of interest	06-06-2024	0.30	93.90	28.58	06-06-2025	0.30	93.90	28.43	06-06-2026	0.30	93.90	28.43
Witholding tax including surcharge on interest	06-06-2024	0.01	93.90	0.49	06-06-2025	0.01	93.90	0.49	06-06-2026	0.01	93.90	0.49
Schedule repayment date of principal												
Scheduled payment date of interest	06-12-2024	0.30	93.90	28.58	06-12-2025	0.30	93.90	28.58	06-12-2026	0.30	93.90	28.58
Witholding tax including surcharge on interest	06-12-2024	0.01	93.90	0.49	06-12-2025	0.01	93.90	0.49	06-12-2026	0.01	93.90	0.49
Schedule repayment date of principal												
Scheduled payment date of interest												
Witholding tax including surcharge on interest												
	31-03-2025			30.41	31-03-2026			-	31-03-2027			-
At the end of Financial year	31-03-2025	**12.72**	**93.90**	**1,194.88**	31-03-2026	**12.72**	**93.90**	**1,194.88**	31-03-2027	**12.72**	**93.90**	**1,194.88**

3.55% (Amount in Lacs) (Amount in Lacs) (Amount in Lacs)

Financial Year (Starting from COD)	2024-25 (01.04.2024 to 31.03.2025)				2025-26 (01.04.2025 to 31.03.2026)				2026-27 (01.04.2026 to 31.03.2027)			
1	1	2	3	4	1	2	3	4	1	2	3	4
USD 750M Drawl I	Date	Amount (FC)	Ex. Rate	Amount (INR)	Date	Amount (FC)	Ex. Rate	Amount (INR)	Date	Amount (FC)	Ex. Rate	Amount (INR)
Currency 1 JPY												
At the date of drawl	01-04-2024	35.45	83.95	2,976.06	01-04-2025	35.45	86.27	3,058.30	01-04-2026	35.45	86.27	3,058.30
Loan repayment upto previous period						-				-		
Net loan at the Beginning of the period	01-04-2024	35.45	83.95	2,976.06	01-04-2025	35.45	86.27	3,058.30	01-04-2026	35.45	86.27	3,058.30
Schedule repayment date of principal				-				-				-
Scheduled payment date of interest	25-04-2024	1.17	86.27	100.54	25-04-2025	1.16	86.27	99.99	25-04-2026	1.16	86.27	99.99
Witholding tax including surcharge on interest	25-04-2024	0.01	86.27	0.77	25-04-2025	0.01	86.27	0.77	25-04-2026	0.01	86.27	0.77
Schedule repayment date of principal				-				-	25-10-2026	5.06	86.27	436.90
Scheduled payment date of interest	25-10-2024	1.17	86.27	100.54	25-10-2025	1.17	86.27	100.54	25-10-2026	1.17	86.27	100.54
Witholding tax including surcharge on interest	25-10-2024	0.01	86.27	0.77	25-10-2025	0.01	86.27	0.77	25-10-2026	0.01	86.27	0.77
Schedule repayment date of principal												
Scheduled payment date of interest												
Witholding tax including surcharge on interest												
ERV	31-03-2025			82.24	31-03-2026			-	31-03-2027			-
At the end of Financial year	31-03-2025	**35.45**	**86.27**	**3,058.30**	31-03-2026	**35.45**	**86.27**	**3,058.30**	31-03-2027	**30.39**	**86.27**	**2,621.40**

3.26% (Amount in Lacs) (Amount in Lacs) (Amount in Lacs)

Financial Year (Starting from COD)	2024-25 (01.04.2024 to 31.03.2025)				2025-26 (01.04.2025 to 31.03.2026)				2026-27 (01.04.2026 to 31.03.2027)			
1	1	2	3	4	1	2	3	4	1	2	3	4
USD 750M Drawl II	Date	Amount (FC)	Ex. Rate	Amount (INR)	Date	Amount (FC)	Ex. Rate	Amount (INR)	Date	Amount (FC)	Ex. Rate	Amount (INR)
Currency 1 JPY												
At the date of drawl	01-04-2024	32.55	83.95	2,732.67	01-04-2025	32.55	86.27	2,808.18	01-04-2026	32.55	86.27	2,808.18
Loan repayment upto previous period						-				-		
Net loan at the Beginning of the period	01-04-2024	32.55	83.95	2,732.67	01-04-2025	32.55	86.27	2,808.18	01-04-2026	32.55	86.27	2,808.18
Schedule repayment date of principal												
Scheduled payment date of interest	25-04-2024	1.07	86.27	92.32	25-04-2025	1.06	86.27	91.81	25-04-2026	1.06	86.27	91.81
Witholding tax including surcharge on interest	25-04-2024	0.01	86.27	0.71	25-04-2025	0.01	86.27	0.71	25-04-2026	0.01	86.27	0.71
Schedule repayment date of principal									25-10-2026	4.65	86.27	401.17
Scheduled payment date of interest	25-10-2024	1.07	86.27	92.32	25-10-2025	1.07	86.27	92.32	25-10-2026	1.07	86.27	92.32
Witholding tax including surcharge on interest	25-10-2024	0.01	86.27	0.71	25-10-2025	0.01	86.27	0.71	25-10-2026	0.01	86.27	0.71

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Digitally signed by PARIMAL PIYUSH
Date: 2025.06.29 14:23:24 IST
Reason: AGM(Commercial)
Location: NTPC Limited

Schedule repayment date of principal												
Scheduled payment date of interest												
Witholding tax including surcharge on interest												
ERV	31-03-2025			75.52	31-03-2026			-	31-03-2027			-
At the end of Financial year	31-03-2025	**32.55**	**86.27**	**2,808.18**	31-03-2026	**32.55**	**86.27**	**2,808.18**	31-03-2027	**27.90**	**86.27**	**2,407.02**

2.16% (Amount in Lacs) (Amount in Lacs) (Amount in Lacs)

Financial Year (Starting from COD)	**2024-25 (01.04.2024 to 31.03.2025)**				**2025-26 (01.04.2025 to 31.03.2026)**				**2026-27 (01.04.2026 to 31.03.2027)**			
1	**1**	**2**	**3**	**4**	**1**	**2**	**3**	**4**	**1**	**2**	**3**	**4**
USD 750M Drawl III	Date	Amount (FC)	Ex. Rate	Amount (INR)	Date	Amount (FC)	Ex. Rate	Amount (INR)	Date	Amount (FC)	Ex. Rate	Amount (INR)
Currency 1 JPY												
At the date of drawl	01-04-2024	53.94	83.95	4,528.04	01-04-2025	53.94	86.27	4,653.18	01-04-2026	53.94	86.27	4,653.18
Loan repayment upto previous period						-				-		
Net loan at the Beginning of the period	01-04-2024	53.94	83.95	4,528.04	01-04-2025	53.94	86.27	4,653.18	01-04-2026	53.94	86.27	4,653.18
Schedule repayment date of principal												
Scheduled payment date of interest	25-04-2024	1.81	86.27	156.31	25-04-2025	1.80	86.27	155.46	25-04-2026	1.80	86.27	155.46
Witholding tax including surcharge on interest	25-04-2024	0.01	86.27	1.20	25-04-2025	0.01	86.27	1.20	25-04-2026	0.01	86.27	1.20
Schedule repayment date of principal									05-10-2026	7.71	86.27	664.74
Scheduled payment date of interest	25-10-2024	1.81	86.27	156.31	25-10-2025	1.81	86.27	156.31	25-10-2026	1.78	86.27	153.87
Witholding tax including surcharge on interest	25-10-2024	0.01	86.27	1.20	25-10-2025	0.01	86.27	1.20	25-10-2026	0.01	86.27	1.18
Schedule repayment date of principal												
Scheduled payment date of interest												
Witholding tax including surcharge on interest												
ERV	31-03-2025			125.13	31-03-2026			-	31-03-2027			-
At the end of Financial year	31-03-2025	**53.94**	**86.27**	**4,653.18**	31-03-2026	**53.94**	**86.27**	**4,653.18**	31-03-2027	**46.23**	**86.27**	**3,988.44**

2.43% (Amount in Lacs) (Amount in Lacs) (Amount in Lacs)

Financial Year (Starting from COD)	**2024-25 (01.04.2024 to 31.03.2025)**				**2025-26 (01.04.2025 to 31.03.2026)**				**2026-27 (01.04.2026 to 31.03.2027)**			
1	**1**	**2**	**3**	**4**	**1**	**2**	**3**	**4**	**1**	**2**	**3**	**4**
USD 750M Drawl IV	Date	Amount (FC)	Ex. Rate	Amount (INR)	Date	Amount (FC)	Ex. Rate	Amount (INR)	Date	Amount (FC)	Ex. Rate	Amount (INR)
Currency 1 JPY												
At the date of drawl	01-04-2024	24.25	83.95	2,036.09	01-04-2025	24.25	86.27	2,092.36	01-04-2026	24.25	86.27	2,092.36
Loan repayment upto previous period						-				-		
Net loan at the Beginning of the period	01-04-2024	24.25	83.95	2,036.09	01-04-2025	24.25	86.27	2,092.36	01-04-2026	24.25	86.27	2,092.36
Schedule repayment date of principal												
Scheduled payment date of interest	25-04-2024	0.81	86.27	70.29	25-04-2025	0.81	86.27	69.90	25-04-2026	0.81	86.27	69.90
Witholding tax including surcharge on interest	25-04-2024	0.01	86.27	0.54	25-04-2025	0.01	86.27	0.54	25-04-2026	0.01	86.27	0.54
Schedule repayment date of principal									05-10-2026	3.46	86.27	298.91
Scheduled payment date of interest	25-10-2024	0.81	86.27	70.29	25-10-2025	0.81	86.27	70.29	25-10-2026	0.80	86.27	69.19
Witholding tax including surcharge on interest	25-10-2024	0.01	86.27	0.54	25-10-2025	0.01	86.27	0.54	25-10-2026	0.01	86.27	0.53
Schedule repayment date of principal												
Scheduled payment date of interest												
Witholding tax including surcharge on interest												
ERV	31-03-2025			56.27	31-03-2026			-	31-03-2027			-
At the end of Financial year	31-03-2025	**24.25**	**86.27**	**2,092.36**	31-03-2026	**24.25**	**86.27**	**2,092.36**	31-03-2027	**20.79**	**86.27**	**1,793.45**

4.47% (Amount in Lacs) (Amount in Lacs) (Amount in Lacs)

Financial Year (Starting from COD)	**2024-25 (01.04.2024 to 31.03.2025)**				**2025-26 (01.04.2025 to 31.03.2026)**				**2026-27 (01.04.2026 to 31.03.2027)**			
1	**1**	**2**	**3**	**4**	**1**	**2**	**3**	**4**	**1**	**2**	**3**	**4**
USD 750M Drawl V	Date	Amount (FC)	Ex. Rate	Amount (INR)	Date	Amount (FC)	Ex. Rate	Amount (INR)	Date	Amount (FC)	Ex. Rate	Amount (INR)
Currency 1 JPY												
At the date of drawl	01-04-2024	44.72	83.95	3,754.26	01-04-2025	44.72	86.27	3,858.01	01-04-2026	44.72	86.27	3,858.01
Loan repayment upto previous period						-				-		
Net loan at the Beginning of the period	01-04-2024	44.72	83.95	3,754.26	01-04-2025	44.72	86.27	3,858.01	01-04-2026	44.72	86.27	3,858.01
Schedule repayment date of principal												

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Date: 2025.06.28 14:23:24 IST
Reason: AGM(Commercial)
Location: NTPC Limited

Scheduled payment date of interest	25-04-2024	1.50	86.27	129.60	25-04-2025	1.49	86.27	128.89	25-04-2026	1.49	86.27	128.89
Witholding tax including surcharge on interest	25-04-2024	0.01	86.27	1.00	25-04-2025	0.01	86.27	0.99	25-04-2026	0.01	86.27	0.99
Schedule repayment date of principal									05-10-2026	6.39	86.27	551.14
Scheduled payment date of interest	25-10-2024	1.50	86.27	129.60	25-10-2025	1.50	86.27	129.60	25-10-2026	1.48	86.27	127.58
Witholding tax including surcharge on interest	25-10-2024	0.01	86.27	1.00	25-10-2025	0.01	86.27	1.00	25-10-2026	0.01	86.27	0.98
Schedule repayment date of principal												
Scheduled payment date of interest												
Witholding tax including surcharge on interest												
ERV	31-03-2025			103.75	31-03-2026			-	31-03-2027			-
At the end of Financial year	31-03-2025	**44.72**	**86.27**	**3,858.01**	31-03-2026	**44.72**	**86.27**	**3,858.01**	31-03-2027	**38.33**	**86.27**	**3,306.87**

3.64% (Amount in Lacs) (Amount in Lacs) (Amount in Lacs)

Financial Year (Starting from COD)	**2024-25 (01.04.2024 to 31.03.2025)**				**2025-26 (01.04.2025 to 31.03.2026)**				**2026-27 (01.04.2026 to 31.03.2027)**			
1	**1**	**2**	**3**	**4**	**1**	**2**	**3**	**4**	**1**	**2**	**3**	**4**
USD 750M Drawl VI	Date	Amount (FC)	Ex. Rate	Amount (INR)	Date	Amount (FC)	Ex. Rate	Amount (INR)	Date	Amount (FC)	Ex. Rate	Amount (INR)
Currency 1 JPY												
At the date of drawl	01-04-2024	36.39	83.95	3,054.91	01-04-2025	36.39	86.27	3,139.33	01-04-2026	36.39	86.27	3,139.33
Loan repayment upto previous period						-				-		
Net loan at the Beginning of the period	01-04-2024	36.39	83.95	3,054.91	01-04-2025	36.39	86.27	3,139.33	01-04-2026	36.39	86.27	3,139.33
Schedule repayment date of principal				-				-				-
Scheduled payment date of interest	25-04-2024	1.22	86.27	105.46	25-04-2025	1.22	86.27	104.88	25-04-2026	1.22	86.27	104.88
Witholding tax including surcharge on interest	25-04-2024	0.01	86.27	0.81	25-04-2025	0.01	86.27	0.81	25-04-2026	0.01	86.27	0.81
Schedule repayment date of principal									05-10-2026	5.20	86.27	448.48
Scheduled payment date of interest	25-10-2024	1.22	86.27	105.46	25-10-2025	1.22	86.27	105.46	25-10-2026	1.20	86.27	103.81
Witholding tax including surcharge on interest	25-10-2024	0.01	86.27	0.81	25-10-2025	0.01	86.27	0.81	25-10-2026	0.01	86.27	0.80
Schedule repayment date of principal												
Scheduled payment date of interest												
Witholding tax including surcharge on interest												
	31-03-2025			84.42	31-03-2026			-	31-03-2027			-
At the end of Financial year	31-03-2025	**36.39**	**86.27**	**3,139.33**	31-03-2026	**36.39**	**86.27**	**3,139.33**	31-03-2027	**31.19**	**86.27**	**2,690.86**

3.54% (Amount in Lacs) (Amount in Lacs) (Amount in Lacs)

Financial Year (Starting from COD)	**2024-25 (01.04.2024 to 31.03.2025)**				**2025-26 (01.04.2025 to 31.03.2026)**				**2026-27 (01.04.2026 to 31.03.2027)**			
1	**1**	**2**	**3**	**4**	**1**	**2**	**3**	**4**	**1**	**2**	**3**	**4**
JPY Equ. $400 Million Drawl I	Date	Amount (FC)	Ex. Rate	Amount (INR)	Date	Amount (FC)	Ex. Rate	Amount (INR)	Date	Amount (FC)	Ex. Rate	Amount (INR)
Currency 1 JPY												
At the date of drawl	01-04-2024	4,787.63	0.5757	2,756.24	01-04-2025	4,787.63	0.5757	2,756.24	01-04-2026	4,787.63	0.5757	2,756.24
Loan repayment upto previous period				-				-				-
Net loan at the Beginning of the period	01-04-2024	4,787.63	0.5757	2,756.24	01-04-2025	4,787.63	0.5757	2,756.24	01-04-2026	4,787.63	0.5757	2,756.24
Schedule repayment date of principal				-								
Scheduled payment date of interest	15-05-2024	12.24	0.5757	7.05								
Witholding tax including surcharge on interest		-		-		-		-		-		-
Schedule repayment date of principal				-	31-08-2025			-	31-08-2026			-
Scheduled payment date of interest	30-08-2024	17.01	0.5757	9.79	31-08-2025	29.26	0.5757	16.84	31-08-2026	29.26	0.5757	16.84
Witholding tax including surcharge on interest		-		-		-		-		-		-
Schedule repayment date of principal	28-02-2025			-	28-02-2026			-	28-02-2027			-
Scheduled payment date of interest	28-02-2025	28.94	0.5757	16.66	28-02-2026	28.78	0.5757	16.57	28-02-2027	28.78	0.5757	16.57
Witholding tax including surcharge on interest				-				-				-
ERV	31-03-2025			-	31-03-2026			-	31-03-2027			-
At the end of Financial year	31-03-2025	**4,787.63**	**0.5757**	2,756.24	31-03-2026	**4,787.63**	**0.5757**	2,756.24	31-03-2027	**4,787.63**	**0.5757**	2,756.24

2.81% (Amount in Lacs) (Amount in Lacs) (Amount in Lacs)

Financial Year (Starting from COD)	**2024-25 (01.04.2024 to 31.03.2025)**				**2025-26 (01.04.2025 to 31.03.2026)**				**2026-27 (01.04.2026 to 31.03.2027)**			
1	**1**	**2**	**3**	**4**	**1**	**2**	**3**	**4**	**1**	**2**	**3**	**4**

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Digitally Signed by PARIMAL PIYUSH
Date: 2025.06.28 14:23:24 IST
Reason: AGM(Commercial)
Location: NTPC Limited

JPY Equ. $400 Million Drawl II	Date	Amount (FC)	Ex. Rate	Amount (INR)	Date	Amount (FC)	Ex. Rate	Amount (INR)	Date	Amount (FC)	Ex. Rate	Amount (INR)
Currency 1 JPY												
At the date of drawl	01-04-2024	3,906.75	0.58	2,249.11	01-04-2025	3,906.75	0.58	2,249.11	01-04-2026	3,906.75	0.58	2,249.11
Loan repayment upto previous period				-				-				-
Net loan at the Beginning of the period	01-04-2024	3,906.75	0.58	2,249.11	01-04-2025	3,906.75	0.58	2,249.11	01-04-2026	3,906.75	0.58	2,249.11
Schedule repayment date of principal				-								
Scheduled payment date of interest	15-05-2024	9.99	0.5757	5.75								
Witholding tax including surcharge on interest		-		-		-		-		-		-
Schedule repayment date of principal				-	31-08-2025			-	31-08-2026			-
Scheduled payment date of interest	30-08-2024	13.88	0.5757	7.99	31-08-2025	23.87	0.5757	13.74	31-08-2026	23.87	0.5757	13.74
Witholding tax including surcharge on interest		-		-		-		-		-		-
Schedule repayment date of principal	28-02-2025			-	28-02-2026			-	28-02-2027			-
Scheduled payment date of interest	28-02-2025	23.61	0.5757	13.59	28-02-2026	23.48	0.5757	13.52	28-02-2027	23.48	0.5757	13.52
Witholding tax including surcharge on interest				-				-				-
ERV	31-03-2025			-	31-03-2026			-	31-03-2027			-
At the end of Financial year	31-03-2025	**3,906.75**	**0.5757**	2,249.11	31-03-2026	**3,906.75**	**0.5757**	2,249.11	31-03-2027	**3,906.75**	**0.5757**	2,249.11

		1.81%		(Amount in Lacs)				(Amount in Lacs)				(Amount in Lacs)
Financial Year (Starting from COD)	**2024-25 (01.04.2024 to 31.03.2025)**				**2025-26 (01.04.2025 to 31.03.2026)**				**2026-27 (01.04.2026 to 31.03.2027)**			
1	**1**	**2**	**3**	**4**	**1**	**2**	**3**	**4**	**1**	**2**	**3**	**4**
JPY Equ. $400 Million Drawl III	Date	Amount (FC)	Ex. Rate	Amount (INR)	Date	Amount (FC)	Ex. Rate	Amount (INR)	Date	Amount (FC)	Ex. Rate	Amount (INR)
Currency 1 JPY												
At the date of drawl	01-04-2024	2,678.09	0.58	1,541.78	01-04-2025	2,678.09	0.58	1,541.78	01-04-2026	2,678.09	0.58	1,541.78
Loan repayment upto previous period				-				-				-
Net loan at the Beginning of the period	01-04-2024	2,678.09	0.58	1,541.78	01-04-2025	2,678.09	0.58	1,541.78	01-04-2026	2,678.09	0.58	1,541.78
Schedule repayment date of principal												
Scheduled payment date of interest	15-05-2024	6.85	0.5757	3.94								
Witholding tax including surcharge on interest		-		-		-		-		-		-
Schedule repayment date of principal				-	31-08-2025			-	31-08-2026			-
Scheduled payment date of interest	30-08-2024	9.52	0.5757	5.48	31-08-2025	16.37	0.5757	9.42	31-08-2026	16.37	0.5757	9.42
Witholding tax including surcharge on interest		-		-		-		-		-		-
Schedule repayment date of principal	28-02-2025			-	28-02-2026			-	28-02-2027			-
Scheduled payment date of interest	28-02-2025	16.19	0.5757	9.32	28-02-2026	16.10	0.5757	9.27	28-02-2027	16.10	0.5757	9.27
Witholding tax including surcharge on interest				-				-				-
ERV	31-03-2025			-	31-03-2026			-	31-03-2027			-
At the end of Financial year	31-03-2025	**2,678.09**	**0.5757**	1,541.78	31-03-2026	**2,678.09**	**0.5757**	1,541.78	31-03-2027	**2,678.09**	**0.5757**	1,541.78

		4.48%		(Amount in Lacs)				(Amount in Lacs)				(Amount in Lacs)
Financial Year (Starting from COD)	**2024-25 (01.04.2024 to 31.03.2025)**				**2025-26 (01.04.2025 to 31.03.2026)**				**2025-26 (01.04.2025 to 31.03.2026)**			
1	**1**	**2**	**3**	**4**	**1**	**2**	**3**	**4**	**1**	**2**	**3**	**4**
JPY Equ. $400 Million Drawl IV	Date	Amount (FC)	Ex. Rate	Amount (INR)	Date	Amount (FC)	Ex. Rate	Amount (INR)	Date	Amount (FC)	Ex. Rate	Amount (INR)
Currency 1 JPY												
At the date of drawl	01-04-2024	6,392.26	0.5757	3,680.02	01-04-2025	6,392.26	0.5757	3,680.02	01-04-2026	6,392.26	0.5757	3,680.02
Loan repayment upto previous period				-				-				-
Net loan at the Beginning of the period	01-04-2024	6,392.26	0.5757	3,680.02	01-04-2025	6,392.26	0.5757	3,680.02	01-04-2026	6,392.26	0.5757	3,680.02
Schedule repayment date of principal				-								
Scheduled payment date of interest	15-05-2024	16.35	0.5757	9.41								
Witholding tax including surcharge on interest		-		-		-		-		-		-
Schedule repayment date of principal				-	31-08-2025			-	31-08-2026			-
Scheduled payment date of interest	30-08-2024	22.71	0.5757	13.08	31-08-2025	39.06	0.5757	22.49	31-08-2026	39.06	0.5757	22.49
Witholding tax including surcharge on interest		-		-		-		-		-		-
Schedule repayment date of principal	28-02-2025			-	28-02-2026			-	28-02-2027			-
Scheduled payment date of interest	28-02-2025	38.64	0.5757	22.24	28-02-2026	38.42	0.5757	22.12	28-02-2027	38.42	0.5757	22.12
Witholding tax including surcharge on interest				-				-				-
ERV	31-03-2025			-	31-03-2026			-	31-03-2027			-
At the end of Financial year	31-03-2025	**6,392.26**	**0.5757**	3,680.02	31-03-2026	**6,392.26**	**0.5757**	3,680.02	31-03-2027	**6,392.26**	**0.5757**	3,680.02

Signature Not Verified
Digitally signed by PARIMAL PIYUSH
Date: 2025.06.25 14:23:24 IST
Reason: AGM(Commercial)
Location: NTPC Limited

Form-4	Form-4							
		DETAILS OF FOREIGN LOANS						
		(Details only in respect of loans applicable to the project under petition)						
Name of the company	**Name of the company**	**NTPC LIMITED**						
Name of the Mine	**Name of the Mine**	**Kerandari Coal Mine**						
Exchange Rate as on	**Exchange Rate as on**	31-03-2025	USD = Rs.	86.27	EUR = Rs.	93.90	JPY = Rs.0.5757	

(Amount in Lacs) (Amount in Lacs)

Financial Year (Starting from COD)	**2027-28 (01.04.2027 to 31.03.2028)**				**2028-29 (01.04.2028 to 31.03.2029)**			
1	**1**	**2**	**3**	**4**	**1**	**2**	**3**	**4**
Euro Loan I Drawl I	Date	Amount (FC)	Ex. Rate	Amount (INR)	Date	Amount (FC)	Ex. Rate	Amount (INR)
Currency 1 JPY								
At the date of drawl	01-04-2027	37.33	93.90	3,505.61	01-04-2028	37.33	93.90	3,505.61
Loan repayment upto previous period								
Net loan at the Beginning of the period	01-04-2027	37.33	93.90	3,505.61	01-04-2028	37.33	93.90	3,505.61
Schedule repayment date of principal								
Scheduled payment date of interest	06-06-2027	0.89	93.90	83.40	06-06-2028	0.89	93.90	83.86
Witholding tax including surcharge on interest	06-06-2027	0.02	93.90	1.48	06-06-2028	0.02	93.90	1.49
Schedule repayment date of principal								
Scheduled payment date of interest	06-12-2027	0.89	93.90	83.86	14-08-2028	0.34	93.90	31.62
Witholding tax including surcharge on interest	06-12-2027	0.02	93.90	1.49	14-08-2028	0.01	93.90	0.56
Schedule repayment date of principal					14-08-2028	37.33	93.90	3,505.61
Scheduled payment date of interest								
Witholding tax including surcharge on interest								
	31-03-2028			-	31-03-2029			-
At the end of Financial year	31-03-2028	**37.33**	**93.90**	**3,505.61**	31-03-2029	**-**	**93.90**	**-**

(Amount in Lacs) (Amount in Lacs)

Financial Year (Starting from COD)	**2027-28 (01.04.2027 to 31.03.2028)**				**2028-29 (01.04.2028 to 31.03.2029)**			
1	**1**	**2**	**3**	**4**	**1**	**2**	**3**	**4**
Euro Loan I Drawl II	Date	Amount (FC)	Ex. Rate	Amount (INR)	Date	Amount (FC)	Ex. Rate	Amount (INR)
Currency 1 JPY								
At the date of drawl	01-04-2027	13.85	93.90	1,300.27	01-04-2028	13.85	93.90	1,300.27
Loan repayment upto previous period								
Net loan at the Beginning of the period	01-04-2027	13.85	93.90	1,300.27	01-04-2028	13.85	93.90	1,300.27
Schedule repayment date of principal								
Scheduled payment date of interest	06-06-2027	0.33	93.90	30.94	06-06-2028	0.33	93.90	31.11
Witholding tax including surcharge on interest	06-06-2027	0.01	93.90	0.54	06-06-2028	0.01	93.90	0.54
Schedule repayment date of principal								
Scheduled payment date of interest	06-12-2027	0.33	93.90	31.11	14-08-2028	0.12	93.90	11.73
Witholding tax including surcharge on interest	06-12-2027	0.01	93.90	0.54	14-08-2028	0.00	93.90	0.20
Schedule repayment date of principal					14-08-2028	13.85	93.90	1,300.27
Scheduled payment date of interest								
Witholding tax including surcharge on interest								
	31-03-2028			-	31-03-2029			-
At the end of Financial year	31-03-2028	**13.85**	**93.90**	**1,300.27**	31-03-2029	**-**	**93.90**	**-**

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Date: 2025.06.28 14:23:24 IST
Reason: AGM(Commercial)
Location: NTPC Limited

(Amount in Lacs) (Amount in Lacs)

Financial Year (Starting from COD)	2027-28 (01.04.2027 to 31.03.2028)				2028-29 (01.04.2028 to 31.03.2029)			
1	1	2	3	4	1	2	3	4
Euro Loan I Drawl III	Date	Amount (FC)	Ex. Rate	Amount (INR)	Date	Amount (FC)	Ex. Rate	Amount (INR)
Currency 1 JPY								
At the date of drawl	01-04-2027	12.72	93.90	1,194.88	01-04-2028	12.72	93.90	1,194.88
Loan repayment upto previous period								
Net loan at the Beginning of the period	01-04-2027	12.72	93.90	1,194.88	01-04-2028	12.72	93.90	1,194.88
Schedule repayment date of principal								
Scheduled payment date of interest	06-06-2027	0.30	93.90	28.43	06-06-2028	0.30	93.90	28.58
Witholding tax including surcharge on interest	06-06-2027	0.01	93.90	0.49	06-06-2028	0.01	93.90	0.49
Schedule repayment date of principal								
Scheduled payment date of interest	06-12-2027	0.30	93.90	28.58	14-08-2028	0.11	93.90	10.78
Witholding tax including surcharge on interest	06-12-2027	0.01	93.90	0.49	14-08-2028	0.00	93.90	0.19
Schedule repayment date of principal					14-08-2028	12.72	93.90	1,194.88
Scheduled payment date of interest								
Witholding tax including surcharge on interest								
	31-03-2028			-	31-03-2029			-
At the end of Financial year	31-03-2028	**12.72**	**93.90**	**1,194.88**	31-03-2029	**-**	**93.90**	**-**

(Amount in Lacs) (Amount in Lacs)

Financial Year (Starting from COD)	2027-28 (01.04.2027 to 31.03.2028)				2028-29 (01.04.2028 to 31.03.2029)			
1	1	2	3	4	1	2	3	4
USD 750M Drawl I	Date	Amount (FC)	Ex. Rate	Amount (INR)	Date	Amount (FC)	Ex. Rate	Amount (INR)
Currency 1 JPY								
At the date of drawl	01-04-2027	35.45	86.27	3,058.30	01-04-2028	35.45	86.27	3,058.30
Loan repayment upto previous period		5.06				10.13		
Net loan at the Beginning of the period	01-04-2027	30.39	86.27	2,621.40	01-04-2028	25.32	86.27	2,184.50
Schedule repayment date of principal				-				-
Scheduled payment date of interest	25-04-2027	0.99	86.27	85.71	25-04-2028	0.83	86.27	71.81
Witholding tax including surcharge on interest	25-04-2027	0.01	86.27	0.66	25-04-2028	0.01	86.27	0.55
Schedule repayment date of principal	25-10-2027	5.06	86.27	436.90	25-10-2028	5.06	86.27	436.90
Scheduled payment date of interest	25-10-2027	1.00	86.27	86.18	25-10-2028	0.83	86.27	71.81
Witholding tax including surcharge on interest	25-10-2027	0.01	86.27	0.66	25-10-2028	0.01	86.27	0.55
Schedule repayment date of principal								
Scheduled payment date of interest								
Witholding tax including surcharge on interest								
ERV	31-03-2028			-	31-03-2029			-
At the end of Financial year	31-03-2028	**25.32**	**86.27**	**2,184.50**	31-03-2029	**20.26**	**86.27**	**1,747.60**

(Amount in Lacs) (Amount in Lacs)

Financial Year (Starting from COD)	2027-28 (01.04.2027 to 31.03.2028)				2028-29 (01.04.2028 to 31.03.2029)			
1	1	2	3	4	1	2	3	4
USD 750M Drawl II	Date	Amount (FC)	Ex. Rate	Amount (INR)	Date	Amount (FC)	Ex. Rate	Amount (INR)
Currency 1 JPY								
At the date of drawl	01-04-2027	32.55	86.27	2,808.18	01-04-2028	32.55	86.27	2,808.18
Loan repayment upto previous period		4.65				9.30		
Net loan at the Beginning of the period	01-04-2027	27.90	86.27	2,407.02	01-04-2028	23.25	86.27	2,005.85
Schedule repayment date of principal								
Scheduled payment date of interest	25-04-2027	0.91	86.27	78.70	25-04-2028	0.76	86.27	65.94
Witholding tax including surcharge on interest	25-04-2027	0.01	86.27	0.61	25-04-2028	0.01	86.27	0.51
Schedule repayment date of principal	25-10-2027	4.65	86.27	401.17	25-10-2028	4.65	86.27	401.17
Scheduled payment date of interest	25-10-2027	0.92	86.27	79.13	25-10-2028	0.76	86.27	65.94
Witholding tax including surcharge on interest	25-10-2027	0.01	86.27	0.61	25-10-2028	0.01	86.27	0.51

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Reason: AGM(Commercial)
Location: NTPC Limited

Schedule repayment date of principal								
Scheduled payment date of interest								
Witholding tax including surcharge on interest								
ERV	31-03-2028			-	31-03-2029			-
At the end of Financial year	31-03-2028	**23.25**	**86.27**	**2,005.85**	31-03-2029	**18.60**	**86.27**	**1,604.68**

(Amount in Lacs) (Amount in Lacs)

Financial Year (Starting from COD)	**2027-28 (01.04.2027 to 31.03.2028)**				**2028-29 (01.04.2028 to 31.03.2029)**			
1	**1**	**2**	**3**	**4**	**1**	**2**	**3**	**4**
USD 750M Drawl III	Date	Amount (FC)	Ex. Rate	Amount (INR)	Date	Amount (FC)	Ex. Rate	Amount (INR)
Currency 1 JPY								
At the date of drawl	01-04-2027	53.94	86.27	4,653.18	01-04-2028	53.94	86.27	4,653.18
Loan repayment upto previous period		7.71				15.41		
Net loan at the Beginning of the period	01-04-2027	46.23	86.27	3,988.44	01-04-2028	38.53	86.27	3,323.70
Schedule repayment date of principal								
Scheduled payment date of interest	25-04-2027	1.54	86.27	133.25	25-04-2028	1.29	86.27	111.65
Witholding tax including surcharge on interest	25-04-2027	0.01	86.27	1.03	25-04-2028	0.01	86.27	0.86
Schedule repayment date of principal	05-10-2027	7.71	86.27	664.74	05-10-2028	7.71	86.27	664.74
Scheduled payment date of interest	25-10-2027	1.52	86.27	131.54	25-10-2028	1.27	86.27	109.21
Witholding tax including surcharge on interest	25-10-2027	0.01	86.27	1.01	25-10-2028	0.01	86.27	0.84
Schedule repayment date of principal								
Scheduled payment date of interest								
Witholding tax including surcharge on interest								
ERV	31-03-2028			-	31-03-2029			-
At the end of Financial year	31-03-2028	**38.53**	**86.27**	**3,323.70**	31-03-2029	**30.82**	**86.27**	**2,658.96**

(Amount in Lacs) (Amount in Lacs)

Financial Year (Starting from COD)	**2027-28 (01.04.2027 to 31.03.2028)**				**2028-29 (01.04.2028 to 31.03.2029)**			
1	**1**	**2**	**3**	**4**	**1**	**2**	**3**	**4**
USD 750M Drawl IV	Date	Amount (FC)	Ex. Rate	Amount (INR)	Date	Amount (FC)	Ex. Rate	Amount (INR)
Currency 1 JPY								
At the date of drawl	01-04-2027	24.25	86.27	2,092.36	01-04-2028	24.25	86.27	2,092.36
Loan repayment upto previous period		3.46				6.93		
Net loan at the Beginning of the period	01-04-2027	20.79	86.27	1,793.45	01-04-2028	17.32	86.27	1,494.54
Schedule repayment date of principal								
Scheduled payment date of interest	25-04-2027	0.69	86.27	59.92	25-04-2028	0.58	86.27	50.21
Witholding tax including surcharge on interest	25-04-2027	0.01	86.27	0.46	25-04-2028	0.00	86.27	0.39
Schedule repayment date of principal	05-10-2027	3.46	86.27	298.91	05-10-2028	3.46	86.27	298.91
Scheduled payment date of interest	25-10-2027	0.69	86.27	59.15	25-10-2028	0.57	86.27	49.11
Witholding tax including surcharge on interest	25-10-2027	0.01	86.27	0.45	25-10-2028	0.00	86.27	0.38
Schedule repayment date of principal								
Scheduled payment date of interest								
Witholding tax including surcharge on interest								
ERV	31-03-2028			-	31-03-2029			-
At the end of Financial year	31-03-2028	**17.32**	**86.27**	**1,494.54**	31-03-2029	**13.86**	**86.27**	**1,195.63**

(Amount in Lacs) (Amount in Lacs)

Financial Year (Starting from COD)	**2027-28 (01.04.2027 to 31.03.2028)**				**2028-29 (01.04.2028 to 31.03.2029)**			
1	**1**	**2**	**3**	**4**	**1**	**2**	**3**	**4**
USD 750M Drawl V	Date	Amount (FC)	Ex. Rate	Amount (INR)	Date	Amount (FC)	Ex. Rate	Amount (INR)
Currency 1 JPY								
At the date of drawl	01-04-2027	44.72	86.27	3,858.01	01-04-2028	44.72	86.27	3,858.01
Loan repayment upto previous period		6.39				12.78		
Net loan at the Beginning of the period	01-04-2027	38.33	86.27	3,306.87	01-04-2028	31.94	86.27	2,755.72
Schedule repayment date of principal								

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Date: 2025.06.29 14:23:24 IST
Reason: AGM(Commercial)
Location: NTPC Limited

Scheduled payment date of interest	25-04-2027	1.28	86.27	110.48	25-04-2028	1.07	86.27	92.57
Witholding tax including surcharge on interest	25-04-2027	0.01	86.27	0.85	25-04-2028	0.01	86.27	0.71
Schedule repayment date of principal	05-10-2027	6.39	86.27	551.14	05-10-2028	6.39	86.27	551.14
Scheduled payment date of interest	25-10-2027	1.26	86.27	109.06	25-10-2028	1.05	86.27	90.55
Witholding tax including surcharge on interest	25-10-2027	0.01	86.27	0.84	25-10-2028	0.01	86.27	0.70
Schedule repayment date of principal								
Scheduled payment date of interest								
Witholding tax including surcharge on interest								
ERV	31-03-2028			-	31-03-2029			-
At the end of Financial year	31-03-2028	**31.94**	**86.27**	**2,755.72**	31-03-2029	**25.55**	**86.27**	**2,204.58**

(Amount in Lacs) (Amount in Lacs)

Financial Year (Starting from COD)	**2027-28 (01.04.2027 to 31.03.2028)**				**2028-29 (01.04.2028 to 31.03.2029)**			
1	**1**	**2**	**3**	**4**	**1**	**2**	**3**	**4**
USD 750M Drawl VI	Date	Amount (FC)	Ex. Rate	Amount (INR)	Date	Amount (FC)	Ex. Rate	Amount (INR)
Currency 1 JPY								
At the date of drawl	01-04-2027	36.39	86.27	3,139.33	01-04-2028	36.39	86.27	3,139.33
Loan repayment upto previous period		5.20				10.40		
Net loan at the Beginning of the period	01-04-2027	31.19	86.27	2,690.86	01-04-2028	25.99	86.27	2,242.38
Schedule repayment date of principal				-				-
Scheduled payment date of interest	25-04-2027	1.04	86.27	89.90	25-04-2028	0.87	86.27	75.33
Witholding tax including surcharge on interest	25-04-2027	0.01	86.27	0.69	25-04-2028	0.01	86.27	0.58
Schedule repayment date of principal	05-10-2027	5.20	86.27	448.48	05-10-2028	5.20	86.27	448.48
Scheduled payment date of interest	25-10-2027	1.03	86.27	88.75	25-10-2028	0.85	86.27	73.68
Witholding tax including surcharge on interest	25-10-2027	0.01	86.27	0.68	25-10-2028	0.01	86.27	0.57
Schedule repayment date of principal								
Scheduled payment date of interest								
Witholding tax including surcharge on interest								
	31-03-2028			-	31-03-2029			-
At the end of Financial year	31-03-2028	**25.99**	**86.27**	**2,242.38**	31-03-2029	**20.79**	**86.27**	**1,793.90**

(Amount in Lacs) (Amount in Lacs)

Financial Year (Starting from COD)	**2027-28 (01.04.2027 to 31.03.2028)**				**2028-29 (01.04.2028 to 31.03.2029)**			
1	**1**	**2**	**3**	**4**	**1**	**2**	**3**	**4**
JPY Equ. $400 Million Drawl I	Date	Amount (FC)	Ex. Rate	Amount (INR)	Date	Amount (FC)	Ex. Rate	Amount (INR)
Currency 1 JPY								
At the date of drawl	01-04-2027	4,787.63	0.5757	2,756.24	01-04-2028	4,103.68	0.5757	2,362.49
Loan repayment upto previous period				-				-
Net loan at the Beginning of the period	01-04-2027	4,787.63	0.5757	2,756.24	01-04-2028	4,103.68	0.5757	2,362.49
Schedule repayment date of principal								
Scheduled payment date of interest								
Witholding tax including surcharge on interest		-		-		-		-
Schedule repayment date of principal	31-08-2027	683.95	0.5757	393.75	31-08-2028	683.95	0.5757	393.75
Scheduled payment date of interest	31-08-2027	29.26	0.5757	16.84	31-08-2028	25.21	0.5757	14.51
Witholding tax including surcharge on interest		-		-		-		-
Schedule repayment date of principal	28-02-2028			-	28-02-2029			-
Scheduled payment date of interest	28-02-2028	24.67	0.5757	14.20	28-02-2029	20.56	0.5757	11.83
Witholding tax including surcharge on interest				-				-
ERV	31-03-2028			-	01-04-2029			-
At the end of Financial year	31-03-2028	**4,103.68**	**0.5757**	2,362.49	01-04-2029	**3,419.73**	**0.5757**	1,968.74

(Amount in Lacs) (Amount in Lacs)

Financial Year (Starting from COD)	**2027-28 (01.04.2027 to 31.03.2028)**				**2028-29 (01.04.2028 to 31.03.2029)**			
1	**1**	**2**	**3**	**4**	**1**	**2**	**3**	**4**

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Date: 2025.06.26 14:23:24 IST
Reason: AGM(Commercial)
Location: NTPC Limited

JPY Equ. $400 Million Drawl II	Date	Amount (FC)	Ex. Rate	Amount (INR)	Date	Amount (FC)	Ex. Rate	Amount (INR)
Currency 1 JPY								
At the date of drawl	01-04-2027	3,906.75	0.58	2,249.11	01-04-2028	3,348.64	0.58	1,927.81
Loan repayment upto previous period				-				-
Net loan at the Beginning of the period	01-04-2027	3,906.75	0.58	2,249.11	01-04-2028	3,348.64	0.58	1,927.81
Schedule repayment date of principal								
Scheduled payment date of interest								
Witholding tax including surcharge on interest		-		-		-		-
Schedule repayment date of principal	31-08-2027	558.11	0.5757	321.30	31-08-2028	558.11	0.5757	321.30
Scheduled payment date of interest	31-08-2027	23.87	0.5757	13.74	31-08-2028	20.57	0.5757	11.84
Witholding tax including surcharge on interest		-		-		-		-
Schedule repayment date of principal	28-02-2028			-	28-02-2029			-
Scheduled payment date of interest	28-02-2028	20.13	0.5757	11.59	28-02-2029	16.77	0.5757	9.66
Witholding tax including surcharge on interest				-				-
ERV	31-03-2028			-	01-04-2029			-
At the end of Financial year	31-03-2028	**3,348.64**	**0.5757**	1,927.81	01-04-2029	**2,790.53**	**0.5757**	1,606.51

(Amount in Lacs) (Amount in Lacs)

Financial Year (Starting from COD)	**2027-28 (01.04.2027 to 31.03.2028)**				**2028-29 (01.04.2028 to 31.03.2029)**			
1	**1**	**2**	**3**	**4**	**1**	**2**	**3**	**4**
JPY Equ. $400 Million Drawl III	Date	Amount (FC)	Ex. Rate	Amount (INR)	Date	Amount (FC)	Ex. Rate	Amount (INR)
Currency 1 JPY								
At the date of drawl	01-04-2027	2,678.09	0.58	1,541.78	01-04-2028	2,295.51	0.58	1,321.52
Loan repayment upto previous period				-				-
Net loan at the Beginning of the period	01-04-2027	2,678.09	0.58	1,541.78	01-04-2028	2,295.51	0.58	1,321.52
Schedule repayment date of principal								
Scheduled payment date of interest								
Witholding tax including surcharge on interest		-		-		-		-
Schedule repayment date of principal	31-08-2027	382.58	0.5757	220.25	31-08-2028	382.58	0.5757	220.25
Scheduled payment date of interest	31-08-2027	16.37	0.5757	9.42	31-08-2028	14.10	0.5757	8.12
Witholding tax including surcharge on interest		-		-		-		-
Schedule repayment date of principal	28-02-2028			-	28-02-2029			-
Scheduled payment date of interest	28-02-2028	13.80	0.5757	7.94	28-02-2029	11.50	0.5757	6.62
Witholding tax including surcharge on interest				-				-
ERV	31-03-2028			-	01-04-2029			-
At the end of Financial year	31-03-2028	**2,295.51**	**0.5757**	1,321.52	01-04-2029	**1,912.92**	**0.5757**	1,101.27

(Amount in Lacs) (Amount in Lacs)

Financial Year (Starting from COD)	**2027-28 (01.04.2027 to 31.03.2028)**				**2028-29 (01.04.2028 to 31.03.2029)**			
1	**1**	**2**	**3**	**4**	**1**	**2**	**3**	**4**
JPY Equ. $400 Million Drawl IV	Date	Amount (FC)	Ex. Rate	Amount (INR)	Date	Amount (FC)	Ex. Rate	Amount (INR)
Currency 1 JPY								
At the date of drawl	01-04-2027	6,392.26	0.5757	3,680.02	01-04-2028	5,479.08	0.5757	3,154.31
Loan repayment upto previous period				-				-
Net loan at the Beginning of the period	01-04-2027	6,392.26	0.5757	3,680.02	01-04-2028	5,479.08	0.5757	3,154.31
Schedule repayment date of principal								
Scheduled payment date of interest								
Witholding tax including surcharge on interest		-		-		-		-
Schedule repayment date of principal	31-08-2027	913.18	0.5757	525.72	31-08-2028	913.18	0.5757	525.72
Scheduled payment date of interest	31-08-2027	39.06	0.5757	22.49	31-08-2028	33.66	0.5757	19.38
Witholding tax including surcharge on interest		-		-		-		-
Schedule repayment date of principal	28-02-2028			-	28-02-2029			-
Scheduled payment date of interest	28-02-2028	32.94	0.5757	18.96	28-02-2029	[illegible]	[illegible]	[illegible]
Witholding tax including surcharge on interest				-				-
ERV	31-03-2028			-	01-04-2029			-
At the end of Financial year	31-03-2028	**5,479.08**	**0.5757**	3,154.31	01-04-2029	**4,565.90**	**0.5757**	2,628.59

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Date: 2025.06.25 14:23:24 IST
Reason: AGM(Commercial)
Location: NTPC Limited

Financial Package upto COD

PART-IV
FORM-6

Name of the Company: NTPC Ltd
Name of the Integrated Coal Mine: Kerandari

(Amount in Rs Lakh)

Particulars	Financial Package as Approved		Financial Package as on COD				As Admitted on COD	
	Currency and Amount		Currency and Amount				Currency and Amount	
1	2	3		4		5	8	9
			Ex Rate	Currency	FC	INR		
AXIS BANK-II				INR		34,000.00		
AXIS BANK-IV				INR		34,000.00		
Bank Of India-IV				INR		3,177.50		
Bank of Baroda II				INR		2,800.00		
HDFC Bank Ltd. V				INR		1,800.00		
HDFC Bank Ltd. IX				INR		4,400.00		
HDFC Bank Ltd. X				INR		1,800.00		
HDFC Bank Ltd. XI				INR		3,500.00		
HDFC Bank Ltd. XII				INR		13,350.00		
HDFC Bank Ltd. XIII				INR		26,900.00		
ICICI-VII				INR		800.00		
Indusind Bank				INR		400.00		
Indusind Bank 1A				INR		2,300.00		
UCO BANK IV				INR		800.00		
Total						**1,30,027.50**		
Bond 73				INR		7,350.00		
Bond 75				INR		165.00		
Bond 76				INR		1,400.00		
Bond 78				INR		1,900.00		
Bond 82				INR		3,100.00		
Total						**13,915.00**		
Euro Loan I			93.9	EUR	37.33	3,505.61		
Euro Loan II			93.9	EUR	13.85	1,300.27		
Euro Loan III			93.9	EUR	12.72	1,194.88		
SUB-TOTAL - EURO				**EURO**	**63.91**	**6,000.75**		
USD 750 Million Drawl I			**86.27**	USD	**35.45**	3,058.30		
USD 750 Million Drawl II			**86.27**	USD	32.55	2,808.18		
USD 750 Million Drawl III			**86.27**	USD	53.94	4,653.18		
USD 750 Million Drawl IV			**86.27**	USD	24.25	2,092.36		
USD 750 Million Drawl V			**86.27**	USD	44.72	3,858.01		
USD 750 Million Drawl VI			**86.27**	USD	36.39	3,139.33		
Sub Total USD					**227.30**	**19,609.37**		
JPY Equ. $400 Million Drawl I			**0.5757**	JPY	4787.63	2,756.24		
JPY Equ. $400 Million Drawl II			**0.5757**	JPY	3906.75	2,249.11		
JPY Equ. $400 Million Drawl III			**0.5757**	JPY	2678.09	1,541.78		
JPY Equ. $400 Million Drawl IV			**0.5757**	JPY	6392.26	3,680.02		
Sub Total JPY					**17,764.73**	**10,227.15**		
Total						**1,79,779.77**		
Less: Repayments upto COD						**41,698.13**		
Net Amount				**Total**		**1,38,081.65**		

(Petitioner)

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Date: 2025.06.28 14:23:24 IST
Reason: AGM(Commercial)
Location: NTPC Limited

Details of Allocation of corporate loans to Integrated Mine													Part-IV Form-8
Name of the Company	NTPC LTD												
Name of the Coal Mine	Kerandari												
													(Rs. in Lakhs)
Particulars													
1													
	17	**18**	**19**	**24**	**25**	**26**	**27**	**28**	**29**	**30**	**31**	**32**	**33**
Source of Loan	**Euro Loan I**	**Euro Loan II**	**Euro Loan III**	**USD 750 Million Drawl I**	**USD 750 Million Drawl II**	**USD 750 Million Drawl III**	**USD 750 Million Drawl IV**	**USD 750 Million Drawl V**	**USD 750 Million Drawl VI**	**JPY Equ. $400 Million Drawl I**	**JPY Equ. $400 Million Drawl II**	**JPY Equ. $400 Million Drawl III**	**JPY Equ. $400 Million Drawl IV**
Drawal													
Currency	EUR	EUR	EUR	USD	USD	USD	USD	USD	USD	JPY	JPY	JPY	JPY
Amount of loan sanctioned	4,89,31,659	8,42,38,902	8,45,12,994	10,00,00,000	10,00,00,000	25,00,00,000	10,00,00,000	10,00,00,000	10,00,00,000	13,51,55,00,000	13,89,20,00,000	14,77,60,00,000	14,25,65,00,000
Amount of Gross Loan drawn upto 19.03.2024	4,89,31,659	8,42,38,902	8,45,12,994	10,00,00,000	10,00,00,000	25,00,00,000	10,00,00,000	10,00,00,000	10,00,00,000	13,51,55,00,000	13,89,20,00,000	14,77,60,00,000	14,25,65,00,000
Interest Type	Floating	Floating	Floating	Floating	Floating	Floating	Floating	Floating	Floating	Floating	Floating	Floating	Floating
Fixed Interest Rate, if applicable	-	-	-	-	-	-	-	-	-	-	-	-	-
Base Rate, if floating interest*	6 Month Euribor*	6 Month Euribor*	6 Month Euribor*	6 Month Term SOFR*	6 Month Term SOFR*	6 Month Term SOFR*	6 Month Term SOFR*	6 Month Term SOFR*	6 Month Term SOFR*	6M Compounded TONA	6M Compounded TONA	6M Compounded TONA	6M Compounded TONA
Margin, if floating interest rate	0.95%	0.95%	0.95%	1.16933%	1.16933%	1.16933%	1.16933%	1.16933%	1.16933%	1.20000%	1.20000%	1.20000%	1.20000%
Are there any Caps / Floor	No	No	No	No	No	No	No	No	No	No	No	No	No
If above is Yes, specify Caps / Floor	-	-	-	-	-	-	-	-	-	-	-	-	-
Moratorium Period	7	7	7	4	4	4	4	4	4	4	4	4	4
Moratorium effective from	07-Jun-2021	11-Aug-2021	11-Aug-2021	25-Apr-2022	25-Apr-2022	25-Apr-2022	25-Apr-2022	25-Apr-2022	25-Apr-2022	31-Aug-2023	31-Aug-2023	31-Aug-2023	31-Aug-2023
Repayment period	Bullet payment	Bullet payment	Bullet payment	Yearly	Yearly	Yearly	Yearly	Yearly	Yearly	Yearly	Yearly	Yearly	Yearly
Repayment effective from	14-Aug-2028	14-Aug-2028	14-Aug-2028	05-Oct-2026	05-Oct-2026	05-Oct-2026	05-Oct-2026	05-Oct-2026	05-Oct-2026	31-Aug-2027	31-Aug-2027	31-Aug-2027	31-Aug-2027
Repayment frequency	One Time	One Time	One Time	Seven times	Seven times	Seven times	Seven times	Seven times	Seven times	Seven times	Seven times	Seven times	Seven times
Repayment installment	4,89,31,659	8,42,38,902	8,45,12,994	1,42,85,714	1,42,85,714	3,57,14,286	1,42,85,714	1,42,85,714	1,42,85,714	1,93,07,85,714	1,98,45,71,429	2,11,08,57,143	2,03,66,42,857
Base Exchange Rate -31.03.2025	**93.9000**	**93.9000**	**93.9000**	**86.2700**	**86.2700**	**86.2700**	**86.2700**	**86.2700**	**86.2700**	**0.5757**	**0.5757**	**0.5757**	**0.5757**
Are foreign currency loan hedged	No	No	No	No	No	No	No	No	No	-	-	-	-
If above is Yes, specify details	-	-	-	-	-	-	-	-	-				
Name of the Projects	**%**	**%**	**%**	**%**	**%**	**%**	**%**	**%**	**%**	**%**	**%**	**%**	**%**
Kirendari	**7.63%**	**1.64%**	**1.51%**	**3.55%**	**3.26%**	**2.16%**	**2.43%**	**4.47%**	**3.64%**	**3.54%**	**2.81%**	**1.81%**	**4.48%**

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Date: 2025.06.29 14:23:24 IST
Reason: AGM(Commercial)
Location: NTPC Limited

Name of the Company	**NTPC LTD**	**Part-IV Form-8**
Name of the Power Station	**Kerandari Coal Mine Project**	
Statement Giving Details of Project Financed through a Combination of loan		
Form 8		
	TRANCHE NO	
BP NO 5050000762	**T00001**	**D00007**
Unsecured Loan From AXIS BANK-II		
Source of Loan :	**AXIS BANK-II**	
Currency :	INR	
Amount of Loan :	25,00,00,00,000	
Total Drawn amount :	4,00,00,00,000	
Date of Drawl	15.04.2020	
Interest Type :	Floating	
Fixed Interest Rate :		
Base Rate, If Floating Interest	7.45%	
Margin, If Floating Interest :	-	
Are there any Caps/ Floor :	Y/N	
Frequency of Intt. Payment	MONTHLY	
If Above is yes, specify Caps/ Floor :		
Moratorium Period :	3 Years	
Moratorium effective from :	15.04.2020	
Repayment Period (Inc Moratorium) :	12 Years	
Repayment Frequency :	9 Yearly Yearly Instalment	
Repayment Type :	AVG	
First Repayment Date :	11.07.2023	
Base Exchange Rate :	RUPEE	
Date of Base Exchange Rate :	N.A.	
Project Code	Project Name	Amount
	BILHAUR SOLAR 140MW	50,00,00,000
	TALAIPALI COAL MINE	10,00,00,000
	KIRENDARI COAL MINE	3,40,00,00,000
Total Allocated Amount		**4,00,00,00,000**
LOAN FULLY PAID ON 28/3/2023		

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Date: 2025.06.28 14:23:24 IST
Reason: AGM(Commercial)
Location: NTPC Limited

Statement Giving Details of Project Financed through a Combination of loan		
Form 8		
	TRANCHE NO	
BP NO 5050001371	**T00001**	**D00001**
Unsecured Loan From AXIS BANK-IV		
Source of Loan :	**AXIS BANK-IV**	
Currency :	INR	
Amount of Loan :	19,00,00,00,000	
Total Drawn amount :	19,00,00,00,000	
Date of Drawl	29.03.2023	
Interest Type :	Floating	
Fixed Interest Rate :		
Base Rate, If Floating Interest	8.00%	
Margin, If Floating Interest :	-	
Are there any Caps/ Floor :	Y/N	
Frequency of Intt. Payment	MONTHLY	
If Above is yes, specify Caps/ Floor :		
Moratorium Period :	0 Years	
Moratorium effective from :	NIL	
Repayment Period (Inc Moratorium) :	10 Years	
Repayment Frequency :	10 Yearly Instalment	
Repayment Type :	AVG	
First Repayment Date :	29.03.2024	
Base Exchange Rate :	RUPEE	
Date of Base Exchange Rate :	N.A.	
Project Code	Project Name	Amount
	TANDA-II	19,00,00,000.00
	NCPS-FGD	24,00,00,000.00
	TSTPS-R&M-I	8,00,00,000.00
	BARH-I	2,20,00,00,000.00
	NORTH KARANPURA	65,00,00,000.00
	LARA-I	2,30,00,00,000.00
	GADARWARA	4,84,00,00,000.00
	DARLIPALLI	1,54,00,00,000.00
	KHARGONE	1,15,00,00,000.00
	TELANGANA	1,50,00,00,000.00
	KERENDARI	3,40,00,00,000.00
	CHATTI BARIATU	5,00,00,000.00
	TAPOVAN VISHNUGAD	32,50,00,000.00
	TALAIPALI	53,50,00,000.00
Total Allocated Amount		**19,00,00,00,000**

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Date: 2025.06.25 14:23:24 IST
Reason: AGM(Commercial)
Location: NTPC Limited

Statement Giving Details of Project Financed through a Combination of loan

Form 8

	TRANCHE NO	
BP NO 50500001041	**T00001**	**D00011**

Unsecured Loan From Bank Of India-IV

Source of Loan :	**Bank Of India-IV**	
Currency :	INR	
Amount of Loan :	22000000000	
Total Drawn amount :	31,00,00,000	
Date of Drawal :	0	
Interest Type :	Floating	
Fixed Interest Rate :		
Base Rate, If Floating Interest	8.00%	
Margin, If Floating Interest :	NIL	
Are there any Caps/ Floor :	Y/N	
Frequency of Intt. Payment	Monthly	
If Above is yes, specify Caps/ Floor :		
Moratorium Period :	3 Years	
Moratorium effective from :	05.03.2021	
Repayment Period (Inc Moratorium) :	15 Years	
Repayment Frequency :	Yearly	
Repayment Type :	AVG	
First Repayment Date :	07.12.2024	
Base Exchange Rate :	RUPEE	
Date of Base Exchange Rate :		

Project Code	**Project Name**	**Amount**
	NOKH SOLAR PLOT-I (245MW)	2,00,00,000.00
	NOKH SOLAR PLOT-II (245MW	2,00,00,000.00
	NOKH SOLAR PLOT-III (245M	6,00,00,000.00
	CHATTI BARIATU CMB	10,00,00,000.00
	KIRENDARI	11,00,00,000.00
Total Allocated Amount		**31,00,00,000**

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Date: 2025.06.25 14:23:24 IST
Reason: AGM(Commercial)
Location: NTPC Limited

Statement Giving Details of Project Financed through a Combination of loan

Form 8

TRANCHE NO

BP NO 50500001041 **T00001**

Unsecured Loan From Bank Of India-IV

Source of Loan :	**Bank Of India-IV**	
Currency :	INR	
Amount of Loan :	22000000000	
Total Drawn amount :	4,13,27,50,000	
Date of Drawal :	00-01-1900	
Interest Type :	Floating	
Fixed Interest Rate :		
Base Rate, If Floating Interest	8.00%	
Margin, If Floating Interest :	NIL	
Are there any Caps/ Floor :	Y/N	
Frequency of Intt. Payment	Monthly	
If Above is yes, specify Caps/ Floor :		
Moratorium Period :	3 Years	
Moratorium effective from :	05.03.2021	
Repayment Period (Inc Moratorium) :	15 Years	
Repayment Frequency :	Yearly	
Repayment Type :	AVG	
First Repayment Date :	07.12.2024	
Base Exchange Rate :	RUPEE	
Date of Base Exchange Rate :		

Project Code	**Project Name**	**Amount**
	BARH-I (3X 660MW)	13,27,50,000.00
	BARH-I (3X 660MW)	31,00,00,000.00
	TAPOVAN VISHNUGARH	21,50,00,000.00
	NORTH KARANPURA (3X660)	64,00,00,000.00
	SOLAPUR SOLAR (23MW)	4,50,00,000.00
	ANTA SOLAR (90MW)	3,00,00,000.00
	NOKH SOLAR PLOT-II	77,00,00,000.00
	NOKH SOLAR PLOT-III (245M	2,00,00,000.00
	DARLIPALLI	30,00,00,000.00
	TANDA-II	7,00,00,000.00
	BARAUNI-II (2X250MW)	2,00,00,000.00
	NABINAGAR	3,00,00,000.00
	TELANGANA (2X800MW)	95,50,00,000.00
	CHATTI BARIATU CMB	2,00,00,000.00
	KERANDARI	7,50,00,000.00
	PAKRI BARWADIH CMB	20,00,00,000.00
	DULANGA COAL MINE	10,00,00,000.00
	TALAIPALI COAL MINE	20,00,00,000.00
Total Allocated Amount		**4,13,27,50,000**

(Adjustment on account of loan repayment from RGPPL)

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Date: 2025.06.25 14:23:24 IST
Reason: AGM(Commercial)
Location: NTPC Limited

Statement Giving Details of Project Financed through a Combination of loan

Form 8

TRANCHE NO

BP NO 50500001041 **T00001**

Unsecured Loan From Bank Of India-IV

Source of Loan :	**Bank Of India-IV**	
Currency :	INR	
Amount of Loan :	22000000000	
Total Drawn amount :	13,27,50,000	
Date of Drawal :	00-01-1900	
Interest Type :	Floating	
Fixed Interest Rate :		
Base Rate, If Floating Interest	8.00%	
Margin, If Floating Interest :	NIL	
Are there any Caps/ Floor :	Y/N	
Frequency of Intt. Payment	Monthly	
If Above is yes, specify Caps/ Floor :		
Moratorium Period :	3 Years	
Moratorium effective from :	05.03.2021	
Repayment Period (Inc Moratorium) :	15 Years	
Repayment Frequency :	Yearly	
Repayment Type :	AVG	
First Repayment Date :	07.12.2024	
Base Exchange Rate :	RUPEE	
Date of Base Exchange Rate :		
Project Code	**Project Name**	**Amount**
	KIRENDARI	13,27,50,000.00
Total Allocated Amount		**13,27,50,000**

(Adjustment on account of loan repayment from RGPPL)

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Date: 2025.06.25 14:23:24 IST
Reason: AGM(Commercial)
Location: NTPC Limited

Statement Giving Details of Project Financed through a Combination of loan

Form 8

TRANCHE NO

BP NO 5050001341 **T00001** D00002

Unsecured Loan From Bank of Baroda II

Source of Loan :	**Bank of Baroda II**	
Currency :	INR	
Amount of Loan :	20,00,00,00,000	
Total Drawn amount :	3,00,00,00,000	
Date of Drawal :	12.04.2024	
Interest Type :	Floating	
Fixed Interest Rate :		
Base Rate, If Floating Interest	8.05%	
Margin, If Floating Interest :	NIL	
Are there any Caps/ Floor :	Y/N	
Frequency of Intt. Payment	Monthly	
If Above is yes, specify Caps/ Floor :		
Moratorium Period :	3 Years	
Moratorium effective from :	11.11.2022	
Repayment Period (Inc Moratorium) :	15 Years	
Repayment Frequency :	12 Yearly	
Repayment Type :	AVG	
First Repayment Date :	11.11.2026	
Base Exchange Rate :	RUPEE	
Date of Base Exchange Rate :		

Project Code	**Project Name**	**Amount**
	DARLIPALLI	13,50,00,000.00
	TANDA-II	12,00,00,000.00
	NABINAGAR	17,00,00,000.00
	TELANGANA (2X800MW)	34,00,00,000.00
	CHATTI BARIATU CMB	10,00,00,000.00
	KERANDARI	28,00,00,000.00
	PAKRI BARWADIH NW QUARY	96,00,00,000.00
	BADAM	80,00,00,000.00
	RIHAND- I FGD	1,00,00,000.00
	SIPAT-II FGD	4,50,00,000.00
	BARH-II FGD	1,00,00,000.00
	TSTPS STAGE-II & I FGD	3,00,00,000.00
Total Allocated Amount		**3,00,00,00,000.00**

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Date: 2025.06.25 14:23:24 IST
Reason: AGM(Commercial)
Location: NTPC Limited

Statement Giving Details of Project Financed through a Combination of loan

Form 8

TRANCHE NO

BP NO 5050000561 **T00001**

Unsecured Loan From HDFC Bank Ltd. V

Source of Loan :	**HDFC Bank Ltd. V**	
Currency :	INR	
Amount of Loan :	25,00,00,00,000	
Total Drawn amount :	82,00,00,000	
Date of drawl	30-03-2023	
Interest Type :	Floating	
Fixed Interest Rate :		
Base Rate, If Floating Interest	8.01%	
Margin, If Floating Interest :	NIL	
Are there any Caps/ Floor :	Y/N	
Frequency of Intt. Payment	MONTHLY	
If Above is yes, specify Caps/ Floor :		
Moratorium Period :	6 Years	
Moratorium effective from :	26.09.2018	
Repayment Period (Inc Moratorium) :	15 Years	
Repayment Frequency :	9 Yearly Instalment	
Repayment Type :	AVG	
First Repayment Date :	25.09.2024	
Base Exchange Rate :	RUPEE	
Date of Base Exchange Rate :	N.A.	

Project Code	Project Name	Amount
	Rammam	100000000
	Tanda-II	50000000
	Kirendari	180000000
	Rihand- I FGD	90000000
	Rihand- II & III FGD	60000000
	Sipat-II FGD	10000000
	Simhadri-II & I FGD	20000000
	Solapur-FGD	80000000
	TSTPS Stage-II & I FGD	230000000
Total Allocated Amount		**82,00,00,000**

(Redeployment due to amount received from NGEL)

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Date: 2025.06.26 14:23:24 IST
Reason: AGM(Commercial)
Location: NTPC Limited

Form 8		
	TRANCHE NO	
BP NO 5050000981	T00001	D00001
Unsecured Loan From HDFC Bank Ltd. IX		
Source of Loan :	**HDFC Bank Ltd. IX**	
Currency :	INR	
Amount of Loan :	50,00,00,00,000	
Total Drawn amount :	3,00,00,00,000	
Date of drawl	30.06.2020	
Interest Type :	Floating	
Fixed Interest Rate :		
Base Rate, If Floating Interest	6.30%	
Margin, If Floating Interest :	NIL	
Are there any Caps/ Floor :	Y/N	
Frequency of Intt. Payment	MONTHLY	
If Above is yes, specify Caps/ Floor :		
Moratorium Period :	3 Years	
Moratorium effective from :	30.06.2020	
Repayment Period (Inc Moratorium) :	15 Years	
Repayment Frequency :	12 Yearly Instalment	
Repayment Type :	AVG	
First Repayment Date :	30.06.2024	
Base Exchange Rate :	RUPEE	
Date of Base Exchange Rate :	N.A.	
Project Code	Project Name	Amount
	BARH-I	67,66,00,000
	TAPOVAN VISHNUGAD	26,65,00,000
	PAKRI BARWADIH CMB	49,00,00,000
	LARA-I	25,59,00,000
	GADARWARA	20,25,00,000
	DARLIPALLI	20,00,00,000
	TALAIPALI COAL MINE	15,00,00,000
	BARAUNI-II	20,00,00,000
	BILHAUR SOLAR 140MW	20,00,00,000
	JETSAR SOLAR	5,00,00,000
	KIRENDARI	15,00,00,000
	CHATTI BARIATU CMB	15,85,00,000
Total Allocated Amount		**3,00,00,00,000**

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Digitally signed by PARIMAL PIYUSH
Date: 2025.06.25 14:23:24 IST
Reason: AGM(Commercial)
Location: NTPC Limited

Form 8		
	TRANCHE NO	
BP NO 5050000981	T00001	D00005
Unsecured Loan From HDFC Bank Ltd. IX		
Source of Loan :	**HDFC Bank Ltd. IX**	
Currency :	INR	
Amount of Loan :	50,00,00,00,000	
Total Drawn amount :	1,90,00,00,000	
Date of drawl	28.09.2020	
Interest Type :	Floating	
Fixed Interest Rate :		
Base Rate, If Floating Interest	6.30%	
Margin, If Floating Interest :	NIL	
Are there any Caps/ Floor :	Y/N	
Frequency of Intt. Payment	MONTHLY	
If Above is yes, specify Caps/ Floor :		
Moratorium Period :	3 Years	
Moratorium effective from :	28.09.2020	
Repayment Period (Inc Moratorium) :	15 Years	
Repayment Frequency :	12 Yearly Instalment	
Repayment Type :	AVG	
First Repayment Date :	30.06.2024	
Base Exchange Rate :	RUPEE	
Date of Base Exchange Rate :	N.A.	
Project Code	Project Name	Amount
	BARH I	50,00,00,000
	KORBA R&M	20,00,00,000
	RAMAGUNDAM I & II R&M	85,00,00,000
	TALAIPALI COAL MINE	20,00,00,000
	KIRENDARI	15,00,00,000
Total Allocated Amount		**1,90,00,00,000**

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Digitally signed by PARIMAL PIYUSH
Date: 2025.06.28 14:23:24 IST
Reason: AGM(Commercial)
Location: NTPC Limited

BP NO 5050000981	TRANCHE NO T00001	D00008
Unsecured Loan From HDFC Bank Ltd. IX		
Source of Loan :	**HDFC Bank Ltd. IX**	
Currency :	INR	
Amount of Loan :	50,00,00,00,000	
Total Drawn amount :	5,00,00,00,000	
Date of drawl	18.11.2020	
Interest Type :	Floating	
Fixed Interest Rate :		
Base Rate, If Floating Interest	5.95%	
Margin, If Floating Interest :	NIL	
Are there any Caps/ Floor :	Y/N	
Frequency of Intt. Payment	MONTHLY	
If Above is yes, specify Caps/ Floor :		
Moratorium Period :	3 Years	
Moratorium effective from :	18.11.2020	
Repayment Period (Inc Moratorium) :	15 Years	
Repayment Frequency :	12 Yearly Instalment	
Repayment Type :	AVG	
First Repayment Date :	30.06.2024	
Base Exchange Rate :	RUPEE	
Date of Base Exchange Rate :	N.A.	
Project Code	Project Name	Amount
	BARH I	1,75,00,00,000.00
	BARAUNI-II	25,00,00,000.00
	SOLAPUR	20,00,00,000.00
	TTPS R&M	1,00,00,000.00
	SINGRAULI R&M	15,00,00,000.00
	KORBA R&M	15,00,00,000.00
	RAMAGUNDAM I & II R&M	43,50,00,000.00
	VINDHYACHAL R&M	18,00,00,000.00
	FARAKKA R&M	12,00,00,000.00
	UNCHAHAR R&M	16,00,00,000.00
	RIHAND R&M	16,00,00,000.00
	FARIDABAD R&M	1,50,00,000.00
	DADRI GAS R&M	3,00,00,000.00
	TSTPP R&M	11,50,00,000.00
	KAHALGAON R&M	16,00,00,000.00
	SIMHADRI R&M	1,50,00,000.00
	CHATTI BARIATU CMB	25,00,00,000.00
	TALAIPALI COAL MINE	75,00,00,000.00
	KIRENDARI	10,00,00,000.00
Total Allocated Amount		**5,00,00,00,000**

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Date: 2025.06.25 14:23:24 IST
Reason: AGM(Commercial)
Location: NTPC Limited

	TRANCHE NO	
BP NO 5050000981	T00001	D00010
	Unsecured Loan From HDFC Bank Ltd. IX	
Source of Loan :	**HDFC Bank Ltd. IX**	
Currency :	INR	
Amount of Loan :	50,00,00,00,000	
Total Drawn amount :	6,83,00,00,000	
Date of drawl	24.12.2020	
Interest Type :	Floating	
Fixed Interest Rate :		
Base Rate, If Floating Interest	5.95%	
Margin, If Floating Interest :	NIL	
Are there any Caps/ Floor :	Y/N	
Frequency of Intt. Payment	MONTHLY	
If Above is yes, specify Caps/ Floor :		
Moratorium Period :	3 Years	
Moratorium effective from :	24.12.2020	
Repayment Period (Inc Moratorium) :	15 Years	
Repayment Frequency :	12 Yearly Instalment	
Repayment Type :	AVG	
First Repayment Date :	30.06.2024	
Base Exchange Rate :	RUPEE	
Date of Base Exchange Rate :	N.A.	
Project Code	Project Name	Amount
	TANDA-II	7,50,00,000.00
	BARH I	68,00,00,000.00
	NORTH KARANPURA	50,00,00,000.00
	GADARWARA	50,00,00,000.00
	LARA-I	30,00,00,000.00
	DARLIPALLI	10,00,00,000.00
	KHARGONE	84,00,00,000.00
	TAPOVAN VISHNUGARH	25,00,00,000.00
	RAMMAM	15,00,00,000.00
	BARAUNI-II	3,00,00,000.00
	RAMAGUNDAM FLOATING SOLAR	9,00,00,000.00
	BILHAUR SOLAR 140MW	6,00,00,000.00
	BILHAUR SOLAR 85MW	13,00,00,000.00
	AURAIYA SOLAR 20MW	3,20,00,000.00
	SIMHADRI FLOATING	1,50,00,000.00
	KAYAMKULAM FS (22 MW)	4,00,00,000.00
	JETSAR SOLAR	2,00,00,000.00
	FATEHGARH (296MW)	60,00,00,000.00
	BONGAIGAON	60,00,00,000.00
	SOLAPUR	10,00,00,000.00
	KORBA R&M	10,00,00,000.00
	VINDHYACHAL R&M	5,30,00,000.00
	FARAKKA R&M	2,50,00,000.00
	KIRENDARI	4,00,00,000.00
	PAKRI BARWADIH CMB	1,50,00,00,000.00
Total Allocated Amount		**6,83,00,00,000**

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Date: 2025.06.25 14:23:24 IST
Reason: AGM(Commercial)
Location: NTPC Limited

	Form 8	
	TRANCHE NO	
BP NO 5050001151	**T00001**	**D00002**
Unsecured Loan From HDFC Bank Ltd. X		
Source of Loan :	**HDFC Bank Ltd. X**	
Currency :	INR	
Amount of Loan :	30,00,00,00,000	
Total Drawn amount :	5,00,00,00,000	
Date of drawl	21.03.2022	
Interest Type :	Floating	
Fixed Interest Rate :		
Base Rate, If Floating Interest	5.83%	
Margin, If Floating Interest :	NIL	
Are there any Caps/ Floor :	Y/N	
Frequency of Intt. Payment	MONTHLY	
If Above is yes, specify Caps/ Floor :		
Moratorium Period :	3 Years	
Moratorium effective from :	24.11.2021	
Repayment Period (Inc Moratorium) :	15 Years	
Repayment Frequency :	12 Yearly Instalment	
Repayment Type :	AVG	
First Repayment Date :	24.11.2025	
Base Exchange Rate :	RUPEE	
Date of Base Exchange Rate :	N.A.	
Project Code	Project Name	Amount
	NORTH KARANPURA	24,00,00,000.00
	RAMMAM	3,00,00,000.00
	TELANGANA	23,00,00,000.00
	LARA	50,00,00,000.00
	GADARWARA	50,00,00,000.00
	DARLIPALLI	77,00,00,000.00
	TANDA-II	65,00,00,000.00
	BARAUNI-II	20,00,00,000.00
	SINGRAULI R&M	15,00,00,000.00
	KORBA R&M	25,00,00,000.00
	RAMAGUNDAM I & II R&M	40,00,00,000.00
	VINDHYACHAL R&M	7,00,00,000.00
	FARAKKA R&M	10,00,00,000.00
	UNCHAHAR R&M	4,00,00,000.00
	RIHAND R&M	15,00,00,000.00
	KAHALGAON R&M	3,00,00,000.00
	CHATTI BARIATU CMB	5,00,00,000.00
	DULANGA COAL MINE	26,00,00,000.00
	TALAIPALI COAL MINE	26,00,00,000.00
	KIRENDARI	3,00,00,000.00
	BARH-II FGD	2,50,00,000.00
	MOUDA-II FGD	6,50,00,000.00
Total Allocated Amount		**5,00,00,00,000**

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Date: 2025.06.25 14:23:24 IST
Reason: AGM(Commercial)
Location: NTPC Limited

	Form 8	
	TRANCHE NO	
BP NO 5050001151	**T00001**	**D00003**
	Unsecured Loan From HDFC Bank Ltd. X	
Source of Loan :	**HDFC Bank Ltd. X**	
Currency :	INR	
Amount of Loan :	30,00,00,00,000	
Total Drawn amount :	6,30,00,00,000	
Date of drawl	02.05.2022	
Interest Type :	Floating	
Fixed Interest Rate :		
Base Rate, If Floating Interest	5.83%	
Margin, If Floating Interest :	NIL	
Are there any Caps/ Floor :	Y/N	
Frequency of Intt. Payment	MONTHLY	
If Above is yes, specify Caps/ Floor :		
Moratorium Period :	3 Years	
Moratorium effective from :	24.11.2021	
Repayment Period (Inc Moratorium) :	15 Years	
Repayment Frequency :	12 Yearly Instalment	
Repayment Type :	AVG	
First Repayment Date :	24.11.2025	
Base Exchange Rate :	RUPEE	
Date of Base Exchange Rate :	N.A.	
Project Code	Project Name	Amount
	KHARGONE	60,00,00,000.00
	LARA	40,00,00,000.00
	GADARWARA	15,00,00,000.00
	DARLIPALLI	1,50,00,00,000.00
	TANDA-II	40,00,00,000.00
	BARAUNI-II	15,00,00,000.00
	TALAIPALI COAL MINE	15,00,00,000.00
	KIRENDARI	15,00,00,000.00
	TELANGANA	88,00,00,000.00
	NORTH KARANPURA	1,92,00,00,000.00
Total Allocated Amount		**6,30,00,00,000**

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Date: 2025.06.25 14:23:24 IST
Reason: AGM(Commercial)
Location: NTPC Limited

Statement Giving Details of Project Financed through a Combination of loan

Form 8

BP NO 5050001386	**TRANCHE NO T00001**	**D00003**
Unsecured Loan From HDFC Bank Ltd. XI		
Source of Loan :	**HDFC Bank Ltd. XI**	
Currency :	INR	
Amount of Loan :	20,00,00,00,000	
Total Drawn amount :	10,00,00,00,000	
Date of drawl	01.09.2023	
Interest Type :	Floating	
Fixed Interest Rate :		
Base Rate, If Floating Interest	7.74%	
Margin, If Floating Interest :	NIL	
Are there any Caps/ Floor :	Y/N	
Frequency of Intt. Payment	MONTHLY	
If Above is yes, specify Caps/ Floor :		
Moratorium Period :	3 Years	
Moratorium effective from :	14.07.2023	
Repayment Period (Inc Moratorium) :	15 Years	
Repayment Frequency :	12 Yearly Instalment	
Repayment Type :	AVG	
First Repayment Date :	14.07.2027	
Base Exchange Rate :	RUPEE	
Date of Base Exchange Rate :	N.A.	
Project Code	Project Name	Amount
	BARH-I	5,02,14,00,000.00
	PAKRI BARWADIH CMB	1,70,00,00,000.00
	NOKH SOLAR PLOT-III (245M	39,00,00,000.00
	SINGRAULI-I & II FGD	36,73,00,000.00
	KERANDARI	25,00,00,000.00
	NOKH SOLAR PLOT-II (245MW	22,00,00,000.00
	RAMAGUNDAM-I & II FGD	20,06,00,000.00
	TALAIPALI COAL MINE	20,00,00,000.00
	TSTPS STAGE-II & I FGD	17,83,00,000.00
	FARAKKA-I, II & III FGD	16,76,00,000.00
	VINDHYACHAL-I &II FGD	15,73,00,000.00
	TTPS III (2X660MW)	10,00,00,000.00
	DULANGA COAL MINE	10,00,00,000.00
	KAHALGAON-I & II FGD	9,88,00,000.00
	NOKH SOLAR PLOT-I (245MW)	9,00,00,000.00
	UNCHAHAR -I, II & III-FGD	8,56,00,000.00
	VINDHYACHAL-III &IV FGD	8,05,00,000.00
	SIMHADRI-II & I FGD	7,48,00,000.00
	RIHAND- II & III FGD	5,39,00,000.00
	KHARGONE FGD	5,36,00,000.00
	KORBA-I, II & III FGD	5,14,00,000.00
	SIPAT-I FGD	5,07,00,000.00
	KUDGI-FGD	4,74,00,000.00
	DARLIPALLI FGD	4,50,00,000.00
	LARA FGD	3,92,00,000.00
	MOUDA-II FGD	3,14,00,000.00
	GADARWARA FGD	3,08,00,000.00
	NORTH KARANPURA FGD	2,42,00,000.00
	MOUDA-I FGD	2,30,00,000.00
	BARH-II FGD	2,19,00,000.00
	SOLAPUR-FGD	2,17,00,000.00
	TANDA II FGD	2,05,00,000.00
	RAMAGUNDAM-III FGD	31,00,000.00
Total Allocated Amount		10,00,00,00,000.00

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Digitally signed by PARIMAL PIYUSH
Date: 2025.06.25 14:23:24 IST
Reason: AGM(Commercial)
Location: NTPC Limited

	Form 8	
	TRANCHE NO	
BP NO 5050001386	**T00001**	**D00004**
	Unsecured Loan From HDFC Bank Ltd. XI	
Source of Loan :	**HDFC Bank Ltd. XI**	
Currency :	INR	
Amount of Loan :	20,00,00,00,000	
Total Drawn amount :	2,10,00,00,000	
Date of drawl	12-Sep-23	
Interest Type :	Floating	
Fixed Interest Rate :		
Base Rate, If Floating Interest	7.80%	
Margin, If Floating Interest :	NIL	
Are there any Caps/ Floor :	Y/N	
Frequency of Intt. Payment	MONTHLY	
If Above is yes, specify Caps/ Floor :		
Moratorium Period :	3 Years	
Moratorium effective from :	14.07.2023	
Repayment Period (Inc Moratorium) :	15 Years	
Repayment Frequency :	12 Yearly Instalment	
Repayment Type :	AVG	
First Repayment Date :	14.07.2027	
Base Exchange Rate :	RUPEE	
Date of Base Exchange Rate :	N.A.	
Project Code	Project Name	Amount
	BARH-I (3X 660MW)	72,00,00,000.00
	TAPOVAN VISHNUGARH	15,00,00,000.00
	RAMMAM (3X40MW)	6,00,00,000.00
	TELANGANA (2X800MW)	30,00,00,000.00
	TTPS III (2X660MW)	32,00,00,000.00
	NOKH SOLAR PLOT-II (245MW	9,00,00,000.00
	CHATTI BARIATU CMB	20,00,00,000.00
	KERANDARI	10,00,00,000.00
	RIHAND- I FGD	16,00,00,000.00
Total Allocated Amount		2,10,00,00,000.00

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Date: 2025.06.26 14:23:24 IST
Reason: AGM(Commercial)
Location: NTPC Limited

	Form 8	
	TRANCHE NO	
BP NO 5050001441	**T00001**	**D00001**
Unsecured Loan From HDFC Bank Ltd. XII		
Source of Loan :	**HDFC Bank Ltd. XII**	
Currency :	INR	
Amount of Loan :	50,00,00,00,000	
Total Drawn amount :	5,00,00,00,000	
Date of drawl	13-Oct-23	
Interest Type :	Floating	
Fixed Interest Rate :		
Base Rate, If Floating Interest	7.57%	
Margin, If Floating Interest :	NIL	
Are there any Caps/ Floor :	Y/N	
Frequency of Intt. Payment	MONTHLY	
If Above is yes, specify Caps/ Floor :		
Moratorium Period :	3 Years	
Moratorium effective from :	13.10.2023	
Repayment Period (Inc Moratorium) :	15 Years	
Repayment Frequency :	12 Yearly Instalment	
Repayment Type :	AVG	
First Repayment Date :	13.10.2027	
Base Exchange Rate :	RUPEE	
Date of Base Exchange Rate :	N.A.	
Project Code	Project Name	Amount
	SINGRAULI-I & II FGD	17,00,00,000.00
	UNCHAHAR-I, II & III-FGD	1,00,00,000.00
	TANDA II	20,00,00,000.00
	KORBA-I,FGD	8,00,00,000.00
	VINDHYACHAL-III&IV FGD	1,00,00,000.00
	SIPAT-I (3X660 MW) FGD	3,00,00,000.00
	SIPAT-II (3X660 MW) FGD	7,00,00,000.00
	TSTPS STAGE-II & I FGD	1,00,00,000.00
	BARH I	75,00,00,000.00
	TAPOVAN VISHNUGARH (4X130	24,00,00,000.00
	BARH II FGD	1,00,00,000.00
	NORTH KARANPURA	50,00,00,000.00
	RAMAGUNDAM-I & II FGD	3,00,00,000.00
	RAMAGUNDAM-III (1X500 MW)	1,00,00,000.00
	MOUDA-I FGD	2,00,00,000.00
	MAUDA II FGD	3,00,00,000.00
	SOLAPUR FGD	1,00,00,000.00
	KUDGI FGD	1,00,00,000.00
	LARA	10,00,00,000.00
	LARA, STAGE-II, 2X800 MW	80,00,00,000.00
	GADARWARA	10,00,00,000.00
	RAMMAM (3X40MW)	13,50,00,000.00
	KHARGONE	20,00,00,000.00
	TELANGANA	92,50,00,000.00
	TALLAIPALLI	16,00,00,000.00
	BARAUNI-II	10,00,00,000.00
	KERANDARI CMB	9,00,00,000.00
	NABINAGAR	20,00,00,000.00
Total Allocated Amount		5,00,00,00,000.00

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Digitally signed by PARIMAL PIYUSH
Date: 2025.06.26 14:23:24 IST
Reason: AGM(Commercial)
Location: NTPC Limited

Form 8		
	TRANCHE NO	
BP NO 5050001441	T00001	D00002
Unsecured Loan From HDFC Bank Ltd. XII		
Source of Loan :	HDFC Bank Ltd. XII	
Currency :	INR	
Amount of Loan :	50,00,00,00,000	
Total Drawn amount :	5,00,00,00,000	
Date of drawl	01-Nov-23	
Interest Type :	Floating	
Fixed Interest Rate :		
Base Rate, If Floating Interest	7.57%	
Margin, If Floating Interest :	NIL	
Are there any Caps/ Floor :	Y/N	
Frequency of Intt. Payment	MONTHLY	
If Above is yes, specify Caps/ Floor :		
Moratorium Period :	3 Years	
Moratorium effective from :	13.10.2023	
Repayment Period (Inc Moratorium) :	15 Years	
Repayment Frequency :	12 Yearly Instalment	
Repayment Type :	AVG	
First Repayment Date :	13.10.2027	
Base Exchange Rate :	RUPEE	
Date of Base Exchange Rate :	N.A.	
Project Code	Project Name	Amount
	BARH-I (3X 660MW)	50,00,00,000.00
	TAPOVAN VISHNUGARH	13,00,00,000.00
	NORTH KARANPURA	66,00,00,000.00
	RAMMAM (3X40MW)	7,00,00,000.00
	TELANGANA (2X800MW)	25,00,00,000.00
	TTPS III (2X660MW)	30,00,00,000.00
	LARA, STAGE-II, 2X800 MW	4,50,00,000.00
	NOKH SOLAR PLOT-I (245MW)	20,00,00,000.00
	NOKH SOLAR PLOT-II (245MW	40,00,00,000.00
	NOKH SOLAR PLOT-III (245M	30,00,00,000.00
	NABINAGAR	15,00,00,000.00
	TALAIPALI COAL MINE	20,00,00,000.00
	KERANDARI	43,00,00,000.00
	RIHAND- I FGD	4,00,00,000.00
	RIHAND- II & III FGD	8,00,00,000.00
	UNCHAHAR-I, II & III-FGD	4,00,00,000.00
	VINDHYACHAL-I &II FGD	7,50,00,000.00
	VINDHYACHAL-III &IV FGD	6,50,00,000.00
	SIPAT-I (3X660 MW) FGD	1,50,00,000.00
	SIPAT-II FGD	11,00,00,000.00
	KORBA-I, II & III FGD	10,50,00,000.00
	BARH-II FGD	2,00,00,000.00
	RAMAGUNDAM-I & II FGD	6,00,00,000.00
	RAMAGUNDAM-III (1X500 MW)	4,00,00,000.00
	SIMHADRI-II & I FGD	4,50,00,000.00
	MOUDA-II FGD	3,00,00,000.00
	SOLAPUR-FGD	4,50,00,000.00
	KUDGI-FGD	1,00,00,000.00
	SINGRAULI-I & II FGD	13,00,00,000.00
	FARAKKA-I , II & III FGD	11,00,00,000.00
	KAHALGAON-I & II FGD	26,00,00,000.00
	TSTPS STAGE-II & I FGD	8,50,00,000.00
Total Allocated Amount		5,00,00,00,000.00

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Digitally signed by PARIMAL PIYUSH
Date: 2025.06.25 14:23:24 IST
Reason: AGM(Commercial)
Location: NTPC Limited

	Form 8	
	TRANCHE NO	
BP NO 5050001441	**T00001**	**D00003**
	Unsecured Loan From HDFC Bank Ltd. XII	
Source of Loan :	**HDFC Bank Ltd. XII**	
Currency :	INR	
Amount of Loan :	50,00,00,00,000	
Total Drawn amount :	10,00,00,00,000	
Date of drawl	01-Dec-23	
Interest Type :	Floating	
Fixed Interest Rate :		
Base Rate, If Floating Interest	7.71%	
Margin, If Floating Interest :	NIL	
Are there any Caps/ Floor :	Y/N	
Frequency of Intt. Payment	MONTHLY	
If Above is yes, specify Caps/ Floor :		
Moratorium Period :	3 Years	
Moratorium effective from :	13.10.2023	
Repayment Period (Inc Moratorium) :	15 Years	
Repayment Frequency :	12 Yearly Instalment	
Repayment Type :	AVG	
First Repayment Date :	13.10.2027	
Base Exchange Rate :	RUPEE	
Date of Base Exchange Rate :	N.A.	
Project Code	Project Name	Amount
	BARH-I (3X 660MW)	2,13,00,00,000.00
	TAPOVAN VISHNUGARH (4X130	86,50,00,000.00
	NORTH KARANPURA (3X660)	47,00,00,000.00
	RAMMAM (3X40MW)	10,00,00,000.00
	LARA, STAGE-II, 2X800 MW	75,00,00,000.00
	GANDHAR 20MW	1,00,00,000.00
	SOLAPUR SOLAR (23MW)	3,00,00,000.00
	RIHAND SOLAR (20MW)	2,00,00,000.00
	ANTA SOLAR (90MW)	6,00,00,000.00
	NOKH SOLAR PLOT-I (245MW)	15,00,00,000.00
	NOKH SOLAR PLOT-II (245MW	24,00,00,000.00
	NOKH SOLAR PLOT-III (245M	29,00,00,000.00
	LARA-I	70,00,00,000.00
	KHARGONE	43,00,00,000.00
	GADARWARA	30,00,00,000.00
	DARLIPALLI	50,00,00,000.00
	TANDA-II	10,00,00,000.00
	BARAUNI-II (2X250MW)	20,00,00,000.00
	NABINAGAR	20,00,00,000.00
	CHATTI BARIATU CMB	20,00,00,000.00
	TALAIPALI COAL MINE	22,00,00,000.00
	KERANDARI	14,00,00,000.00
	PAKRI BARWADIH CMB	60,00,00,000.00
	RIHAND- I FGD	5,00,00,000.00
	RIHAND- II & III FGD	5,00,00,000.00
	UNCHAHAR-I, II & III-FGD	4,00,00,000.00
	VINDHYACHAL-I &II FGD	8,50,00,000.00
	VINDHYACHAL-III &IV FGD	5,50,00,000.00
	SIPAT-II FGD	4,00,00,000.00
	KORBA-I, II & III FGD	20,50,00,000.00
	BARH-II FGD	2,00,00,000.00
	RAMAGUNDAM-I & II FGD	20,00,00,000.00
	RAMAGUNDAM-III FGD	4,00,00,000.00
	MOUDA-I FGD	2,00,00,000.00
	MOUDA-II FGD	1,00,00,000.00
	SOLAPUR-FGD	1,00,00,000.00
	KUDGI-FGD	2,00,00,000.00
	SINGRAULI-I & II FGD	21,00,00,000.00
	FARAKKA-I , II & III FGD	1,00,00,000.00
	KAHALGAON-I & II FGD	17,00,00,000.00
	TSTPS STAGE-II & I FGD	6,00,00,000.00
Total Allocated Amount		10,00,00,00,000.00

Signature Not Verified
Digitally signed by PARIMAL PIYUSH
Date: 2025.06.25 14:23:24 IST
Reason: AGM(Commercial)
Location: NTPC Limited

Form 8		
	TRANCHE NO	
BP NO 5050001441	T00001	D00004
Unsecured Loan From HDFC Bank Ltd. XII		
Source of Loan :	HDFC Bank Ltd. XII	
Currency :	INR	
Amount of Loan :	50,00,00,00,000	
Total Drawn amount :	8,75,00,00,000	
Date of drawl	01-Jan-24	
Interest Type :	Floating	
Fixed Interest Rate :		
Base Rate, If Floating Interest	7.78%	
Margin, If Floating Interest :	NIL	
Are there any Caps/ Floor :	Y/N	
Frequency of Intt. Payment	MONTHLY	
If Above is yes, specify Caps/ Floor :		
Moratorium Period :	3 Years	
Moratorium effective from :	13.10.2023	
Repayment Period (Inc Moratorium) :	15 Years	
Repayment Frequency :	12 Yearly Instalment	
Repayment Type :	AVG	
First Repayment Date :	13.10.2027	
Base Exchange Rate :	RUPEE	
Date of Base Exchange Rate :	N.A.	
Project Code	Project Name	Amount
	BARH-I (3X 660MW)	2,40,00,00,000.00
	TAPOVAN VISHNUGARH (4X130	32,00,00,000.00
	NORTH KARANPURA (3X660)	1,47,00,00,000.00
	RAMMAM (3X40MW)	3,00,00,000.00
	TELANGANA (2X800MW)	40,00,00,000.00
	GANDHAR 20MW	1,00,00,000.00
	RIHAND SOLAR (20MW)	1,00,00,000.00
	ANTA SOLAR (90MW)	2,00,00,000.00
	NOKH SOLAR PLOT-II (245MW	22,00,00,000.00
	NOKH SOLAR PLOT-III (245M	36,00,00,000.00
	LARA	32,00,00,000.00
	GADARWARA	9,00,00,000.00
	DARLIPALLI	25,00,00,000.00
	TANDA-II	20,00,00,000.00
	BARAUNI-II (2X250MW)	9,00,00,000.00
	NABINAGAR	9,00,00,000.00
	CHATTI BARIATU CMB	9,50,00,000.00
	TALAIPALI COAL MINE	20,00,00,000.00
	KERANDARI	3,50,00,000.00
	PAKRI BARWADIH CMB	40,00,00,000.00
	DULANGA COAL MINE	3,00,00,000.00
	RIHAND- I FGD	11,50,00,000.00
	RIHAND- II & III FGD	1,00,00,000.00
	VINDHYACHAL-I &II FGD	3,00,00,000.00
	VINDHYACHAL-III &IV FGD	1,00,00,000.00
	SIPAT-I (3X660 MW) FGD	1,00,00,000.00
	SIPAT-II FGD	6,50,00,000.00
	KORBA-I,II,III FGD	26,50,00,000.00
	BARH-II FGD	1,00,00,000.00
	RAMAGUNDAM-I & II FGD	16,00,00,000.00
	RAMAGUNDAM-III FGD	3,50,00,000.00
	SOLAPUR-FGD	35,00,00,000.00
	KUDGI-FGD	4,00,00,000.00
	SINGRAULI-I & II FGD	6,00,00,000.00
	FARAKKA-I , II & III FGD	15,50,00,000.00
	KAHALGAON-I & II FGD	18,00,00,000.00
	TSTPS STAGE-II & I FGD	21,50,00,000.00
Total Allocated Amount		8,75,00,00,000.00

Signature Not Verified
Digitally signed by PARIMAL PIYUSH
Date: 2025.06.26 14:23:24 IST
Reason: AGM(Commercial)
Location: NTPC Limited

Form 8		
BP NO 5050001441	TRANCHE NO T00001	D00006
Unsecured Loan From HDFC Bank Ltd. XII		
Source of Loan :	**HDFC Bank Ltd. XII**	
Currency :	INR	
Amount of Loan :	50,00,00,00,000	
Total Drawn amount :	7,00,00,00,000	
Date of drawl	01-Mar-24	
Interest Type :	Floating	
Fixed Interest Rate :		
Base Rate, If Floating Interest	7.65%	
Margin, If Floating Interest :	NIL	
Are there any Caps/ Floor :	Y/N	
Frequency of Intt. Payment	MONTHLY	
If Above is yes, specify Caps/ Floor :		
Moratorium Period :	3 Years	
Moratorium effective from :	13.10.2023	
Repayment Period (Inc Moratorium) :	15 Years	
Repayment Frequency :	12 Yearly Instalment	
Repayment Type :	AVG	
First Repayment Date :	13.10.2027	
Base Exchange Rate :	RUPEE	
Date of Base Exchange Rate :	N.A.	
Project Code	Project Name	Amount
	BARH-I (3X 660MW)	40,00,00,000.00
	TAPOVAN VISHNUGARH	52,00,00,000.00
	NORTH KARANPURA (3X660MW)	1,10,00,00,000.00
	RAMMAM (3X40MW)	18,00,00,000.00
	TELANGANA (2X800MW)	50,00,00,000.00
	TTPS III (2X660MW)	5,00,00,000.00
	LARA, STAGE-II, 2X800 MW	6,00,00,000.00
	SOLAPUR SOLAR (23MW)	1,00,00,000.00
	ANTA SOLAR (90MW)	55,00,00,000.00
	NOKH SOLAR PLOT-I (245MW)	56,50,00,000.00
	NOKH SOLAR PLOT-II 245MW	1,21,50,00,000.00
	NOKH SOLAR PLOT-III (245M	66,00,00,000.00
	GADARWARA	20,00,00,000.00
	DARLIPALLI	10,00,00,000.00
	TANDA-II	5,00,00,000.00
	BARAUNI-II (2X250MW)	4,00,00,000.00
	NABINAGAR	10,00,00,000.00
	TALAIPALI COAL MINE	8,00,00,000.00
	KERANDARI	30,00,00,000.00
	RIHAND- I FGD	22,00,00,000.00
	RIHAND- II & III FGD	1,00,00,000.00
	SIPAT-II FGD	1,00,00,000.00
	KORBA-I, II & III FGD	6,00,00,000.00
	MOUDA-II FGD	2,00,00,000.00
Total Allocated Amount		7,00,00,00,000.00

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Digitally signed by PARIMAL PIYUSH
Date: 2025.06.25 14:23:24 IST
Reason: AGM(Commercial)
Location: NTPC Limited

Form 8		
	TRANCHE NO	
BP NO 5050001441	T00001	D00007
Unsecured Loan From HDFC Bank Ltd. XII		
Source of Loan :	**HDFC Bank Ltd. XII**	
Currency :	INR	
Amount of Loan :	50,00,00,00,000	
Total Drawn amount :	10,00,00,00,000	
Date of drawl	15-Mar-24	
Interest Type :	Floating	
Fixed Interest Rate :		
Base Rate, If Floating Interest	7.60%	
Margin, If Floating Interest :	NIL	
Are there any Caps/ Floor :	Y/N	
Frequency of Intt. Payment	MONTHLY	
If Above is yes, specify Caps/ Floor :		
Moratorium Period :	3 Years	
Moratorium effective from :	13.10.2023	
Repayment Period (Inc Moratorium) :	15 Years	
Repayment Frequency :	12 Yearly Instalment	
Repayment Type :	AVG	
First Repayment Date :	13.10.2027	
Base Exchange Rate :	RUPEE	
Date of Base Exchange Rate :	N.A.	
Project Code	Project Name	Amount
	BARH-I (3X 660MW)	5,23,00,00,000.00
	TAPOVAN VISHNUGARH 4X130	1,77,00,00,000.00
	NORTH KARANPURA (3X660)	1,48,00,00,000.00
	RAMMAM (3X40MW)	18,00,00,000.00
	TTPS III (2X660MW)	22,00,00,000.00
	KERANDARI	34,00,00,000.00
	RIHAND- II & III FGD	5,00,00,000.00
	UNCHAHAR-I, II & III-FGD	8,00,00,000.00
	VINDHYACHAL-I &II FGD	15,00,00,000.00
	VINDHYACHAL-III &IV FGD	7,00,00,000.00
	SIPAT-I (3X660 MW) FGD	4,00,00,000.00
	KORBA-I, II & III FGD	3,00,00,000.00
	RAMAGUNDAM-I & II FGD	5,50,00,000.00
	SIMHADRI-II & I FGD	7,00,00,000.00
	KUDGI-FGD	4,00,00,000.00
	SINGRAULI-I & II FGD	8,00,00,000.00
	TSTPS STAGE-II & I FGD	11,50,00,000.00
Total Allocated Amount		10,00,00,00,000.00

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Digitally signed by PARIMAL PIYUSH
Date: 2025.06.25 14:23:24 IST
Reason: AGM(Commercial)
Location: NTPC Limited

	Form 8	
	TRANCHE NO	
BP NO 5050001502	**T00001**	**D00001**
Unsecured Loan From HDFC Bank Ltd. XIII		
Source of Loan :	**HDFC Bank Ltd. XIII**	
Currency :	INR	
Amount of Loan :	50,00,00,00,000	
Total Drawn amount :	6,00,00,00,000	
Date of drawl	01-Jun-24	
Interest Type :	Floating	
Fixed Interest Rate :		
Base Rate, If Floating Interest	8.00%	
Margin, If Floating Interest :	NIL	
Are there any Caps/ Floor :	Y/N	
Frequency of Intt. Payment	MONTHLY	
If Above is yes, specify Caps/ Floor :		
Moratorium Period :	6 Years	
Moratorium effective from :	01.06.2024	
Repayment Period (Inc Moratorium) :	18 Years	
Repayment Frequency :	12 Yearly Instalment	
Repayment Type :	AVG	
First Repayment Date :	01.06.2031	
Base Exchange Rate :	RUPEE	
Date of Base Exchange Rate :	N.A.	
Project Code	Project Name	Amount
	BARH-I	1,75,00,00,000.00
	TAPOVAN VISHNUGARH	42,00,00,000.00
	NORTH KARANPURA	71,00,00,000.00
	NOKH SOLAR PLOT-II	79,00,00,000.00
	NOKH SOLAR PLOT-III	1,09,00,00,000.00
	RAMAGUNDAM-176MW	78,00,00,000.00
	KERANDARI	46,00,00,000.00
Total Allocated Amount		6,00,00,00,000.00

Signature Not Verified
Digitally signed by PARIMAL PIYUSH
Date: 2025.06.26 14:23:24 IST
Reason: AGM(Commercial)
Location: NTPC Limited

	Form 8	
	TRANCHE NO	
BP NO 5050001502	**T00001**	**D00002**
Unsecured Loan From HDFC Bank Ltd. XIII		
Source of Loan :	**HDFC Bank Ltd. XIII**	
Currency :	INR	
Amount of Loan :	50,00,00,00,000	
Total Drawn amount :	5,00,00,00,000	
Date of drawl	21-Aug-24	
Interest Type :	Floating	
Fixed Interest Rate :		
Base Rate, If Floating Interest	7.84%	
Margin, If Floating Interest :	NIL	
Are there any Caps/ Floor :	Y/N	
Frequency of Intt. Payment	MONTHLY	
If Above is yes, specify Caps/ Floor :		
Moratorium Period :	6 Years	
Moratorium effective from :	01.06.2024	
Repayment Period (Inc Moratorium) :	18 Years	
Repayment Frequency :	12 Yearly Instalment	
Repayment Type :	AVG	
First Repayment Date :	01.06.2031	
Base Exchange Rate :	RUPEE	
Date of Base Exchange Rate :	N.A.	
Project Code	Project Name	Amount
	BARH-I	7,00,00,000.00
	TAPOVAN VISHNUGARH	36,00,00,000.00
	NORTH KARANPURA	46,00,00,000.00
	TTPS III	8,50,00,000.00
	LARA, STAGE-II	3,00,00,000.00
	SOLAPUR SOLAR	4,00,00,000.00
	RIHAND SOLAR	1,00,00,000.00
	ANTA SOLAR	1,50,00,000.00
	NOKH SOLAR PLOT-I	20,00,00,000.00
	NOKH SOLAR PLOT-II	1,52,00,00,000.00
	NOKH SOLAR PLOT-III	13,00,00,000.00
	RAMAGUNDAM, 176 MW	1,00,00,000.00
	BARAUNI-II	3,00,00,000.00
	NABINAGAR	25,00,00,000.00
	TELANGANA	65,00,00,000.00
	CHATTI BARIATU CMB	8,00,00,000.00
	KERANDARI	27,00,00,000.00
	BADAM	19,00,00,000.00
	PAKRI BARWADIH CMB	58,00,00,000.00
	DULANGA COAL MINE	2,00,00,000.00
Total Allocated Amount		5,00,00,00,000.00

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Digitally signed by PARIMAL PIYUSH
Date: 2025.06.26 14:23:24 IST
Reason: AGM(Commercial)
Location: NTPC Limited

	Form 8	
	TRANCHE NO	
BP NO 5050001502	**T00001**	**D00003**
Unsecured Loan From HDFC Bank Ltd. XIII		
Source of Loan :	**HDFC Bank Ltd. XIII**	
Currency :	INR	
Amount of Loan :	50,00,00,00,000	
Total Drawn amount :	8,00,00,00,000	
Date of drawl	01-Oct-24	
Interest Type :	Floating	
Fixed Interest Rate :		
Base Rate, If Floating Interest	7.67%	
Margin, If Floating Interest :	NIL	
Are there any Caps/ Floor :	Y/N	
Frequency of Intt. Payment	MONTHLY	
If Above is yes, specify Caps/ Floor :		
Moratorium Period :	6 Years	
Moratorium effective from :	01.06.2024	
Repayment Period (Inc Moratorium) :	18 Years	
Repayment Frequency :	12 Yearly Instalment	
Repayment Type :	AVG	
First Repayment Date :	01.06.2031	
Base Exchange Rate :	RUPEE	
Date of Base Exchange Rate :	N.A.	
Project Code	Project Name	Amount
	BARH-I	2,19,00,00,000.00
	TAPOVAN VISHNUGARH	44,00,00,000.00
	NORTH KARANPURA	1,51,00,00,000.00
	TTPS- III	23,00,00,000.00
	LARA- II	3,00,00,000.00
	GANDHAR	1,00,00,000.00
	SOLAPUR SOLAR	5,50,00,000.00
	RIHAND SOLAR	23,50,00,000.00
	NOKH SOLAR PLOT-I	1,19,00,00,000.00
	NOKH SOLAR PLOT-II	28,00,00,000.00
	NOKH SOLAR PLOT-III	93,00,00,000.00
	RAMAGUNDAM SOLAR	21,00,00,000.00
	KERANDARI	2,00,00,000.00
	RIHAND- II & III FGD	4,50,00,000.00
	UNCHAHAR-I,II & III-FGD	7,00,00,000.00
	VINDHYACHAL-III &IV FGD	6,50,00,000.00
	SIPAT-I FGD	4,00,00,000.00
	KORBA-I, II & III FGD	3,00,00,000.00
	BARH-II FGD	1,50,00,000.00
	RAMAGUNDAM-I & II FGD	5,00,00,000.00
	SIMHADRI-II & I FGD	6,00,00,000.00
	MOUDA-I FGD	2,00,00,000.00
	MOUDA-II FGD	2,50,00,000.00
	KUDGI-FGD	4,00,00,000.00
	SINGRAULI-I & II FGD	7,50,00,000.00
	FARAKKA-I, II & III FGD	2,00,00,000.00
	KAHALGAON-I & II FGD	1,50,00,000.00
	TSTPS STAGE-II & I FGD	10,00,00,000.00
Total Allocated Amount		8,00,00,00,000.00

Signature Not Verified
Digitally signed by PARIMAL PIYUSH
Date: 2025.06.26 14:23:24 IST
Reason: AGM(Commercial)
Location: NTPC Limited

Form 8		
	TRANCHE NO	
BP NO 5050001502	T00001	D00004
Unsecured Loan From HDFC Bank Ltd. XIII		
Source of Loan :	**HDFC Bank Ltd. XIII**	
Currency :	INR	
Amount of Loan :	50,00,00,00,000	
Total Drawn amount :	5,00,00,00,000	
Date of drawl	25-Oct-24	
Interest Type :	Floating	
Fixed Interest Rate :		
Base Rate, If Floating Interest	7.67%	
Margin, If Floating Interest :	NIL	
Are there any Caps/ Floor :	Y/N	
Frequency of Intt. Payment	MONTHLY	
If Above is yes, specify Caps/ Floor :		
Moratorium Period :	6 Years	
Moratorium effective from :	01.06.2024	
Repayment Period (Inc Moratorium) :	18 Years	
Repayment Frequency :	12 Yearly Instalment	
Repayment Type :	AVG	
First Repayment Date :	01.06.2031	
Base Exchange Rate :	RUPEE	
Date of Base Exchange Rate :	N.A.	
Project Code	Project Name	Amount
	BARH-I	20,00,00,000.00
	TAPOVAN VISHNUGARH	2,00,00,000.00
	NORTH KARANPURA	51,00,00,000.00
	TTPS III	22,00,00,000.00
	DARLIPALLI-I	70,00,00,000.00
	NABINAGAR-I	15,00,00,000.00
	TELANGANA	50,00,00,000.00
	CHATTI BARIATU CMB	9,00,00,000.00
	KERANDARI	45,00,00,000.00
	PAKRI BARWADIH NW QUARY	1,00,00,000.00
	BADAM	2,00,00,000.00
	PAKRI BARWADIH CMB	1,45,00,00,000.00
	DULANGA COAL MINE	5,00,00,000.00
	RIHAND- I FGD	2,00,00,000.00
	RIHAND- II & III FGD	1,00,00,000.00
	UNCHAHAR-I, II & III-FGD	4,00,00,000.00
	VINDHYACHAL-III &IV FGD	6,00,00,000.00
	SIPAT-I FGD	4,00,00,000.00
	KORBA-I, II & III FGD	3,00,00,000.00
	BARH-II FGD	2,00,00,000.00
	RAMAGUNDAM-I & II FGD	2,00,00,000.00
	SIMHADRI-II & I FGD	5,00,00,000.00
	MOUDA-I FGD	1,00,00,000.00
	MOUDA-II FGD	2,00,00,000.00
	SOLAPUR-FGD	3,00,00,000.00
	KUDGI-FGD	3,00,00,000.00
	SINGRAULI-I & II FGD	9,00,00,000.00
	FARAKKA-I, II & III FGD	2,00,00,000.00
	KAHALGAON-I & II FGD	3,00,00,000.00
	TSTPS STAGE-II & I FGD	11,00,00,000.00
Total Allocated Amount		5,00,00,00,000.00

Signature Not Verified
Digitally signed by PARIMAL PIYUSH
Date: 2025.06.25 14:23:24 IST
Reason: AGM(Commercial)
Location: NTPC Limited

Form 8

BP NO 5050001502	TRANCHE NO T00001	D00007

Unsecured Loan From HDFC Bank Ltd. XIII

Source of Loan :	**HDFC Bank Ltd. XIII**	
Currency :	INR	
Amount of Loan :	50,00,00,00,000	
Total Drawn amount :	8,70,00,00,000	
Date of drawl	01-Feb-25	
Interest Type :	Floating	
Fixed Interest Rate :		
Base Rate, If Floating Interest	7.71%	
Margin, If Floating Interest :	NIL	
Are there any Caps/ Floor :	Y/N	
Frequency of Intt. Payment	MONTHLY	
If Above is yes, specify Caps/ Floor :		
Moratorium Period :	6 Years	
Moratorium effective from :	01.06.2024	
Repayment Period (Inc Moratorium) :	18 Years	
Repayment Frequency :	12 Yearly Instalment	
Repayment Type :	AVG	
First Repayment Date :	01.06.2031	
Base Exchange Rate :	RUPEE	
Date of Base Exchange Rate :	N.A.	

Project Code	Project Name	Amount
	BARH-I	29,00,00,000.00
	TAPOVAN VISHNUGARH	10,00,00,000.00
	NORTH KARANPURA	23,00,00,000.00
	SOLAPUR SOLAR	1,50,00,000.00
	RIHAND SOLAR	21,00,00,000.00
	NOKH SOLAR PLOT-I	2,20,00,00,000.00
	NOKH SOLAR PLOT-II	40,00,00,000.00
	NOKH SOLAR PLOT-III	80,00,00,000.00
	RAMAGUNDAM, 176 MW-	71,50,00,000.00
	CHATTI BARIATU CMB	30,00,00,000.00
	KERANDARI	1,00,00,00,000.00
	PAKRI BARWADIH NW	28,00,00,000.00
	BADAM	80,00,00,000.00
	PAKRI BARWADIH CMB	1,26,00,00,000.00
	TALAIPALI COAL MINE	10,00,00,000.00
Total Allocated Amount		8,70,00,00,000.00

Signature Not Verified
Digitally signed by PARIMAL PIYUSH
Date: 2025.06.26 14:23:24 IST
Reason: AGM(Commercial)
Location: NTPC Limited

Form 8		
	TRANCHE NO	
BP NO 5050001502	T00001	D00008
Unsecured Loan From HDFC Bank Ltd. XIII		
Source of Loan :	**HDFC Bank Ltd. XIII**	
Currency :	INR	
Amount of Loan :	50,00,00,00,000	
Total Drawn amount :	4,00,00,00,000	
Date of drawl	01.03.2025	
Interest Type :	Floating	
Fixed Interest Rate :		
Base Rate, If Floating Interest	7.57%	
Margin, If Floating Interest :	NIL	
Are there any Caps/ Floor :	Y/N	
Frequency of Intt. Payment	MONTHLY	
If Above is yes, specify Caps/ Floor :		
Moratorium Period :	6 Years	
Moratorium effective from :	01.06.2024	
Repayment Period (Inc Moratorium) :	18 Years	
Repayment Frequency :	12 Yearly Instalment	
Repayment Type :	AVG	
First Repayment Date :	01.06.2031	
Base Exchange Rate :	RUPEE	
Date of Base Exchange Rate :	N.A.	
Project Code	Project Name	Amount
	TAPOVAN VISHNUGARH	1,47,00,00,000.00
	RAMMAM	19,00,00,000.00
	TTPS III	35,00,00,000.00
	NOKH SOLAR PLOT-I	68,00,00,000.00
	NOKH SOLAR PLOT-II	10,00,00,000.00
	NOKH SOLAR PLOT-III	40,00,00,000.00
	RAMAGUNDAM, 176 MW	32,00,00,000.00
	KERANDARI	49,00,00,000.00
Total Allocated Amount		4,00,00,00,000.00

Signature Not Verified
Digitally signed by PARIMAL PIYUSH
Date: 2025.06.26 14:23:24 IST
Reason: AGM(Commercial)
Location: NTPC Limited

Statement Giving Details of Project Financed through a Combination of loan

Form 8

TRANCHE NO

BP NO 50500001042 **T00001** D00004

Unsecured Loan From ICICI-VII

Source of Loan :	**ICICI-VII**	
Currency :	INR	
Amount of Loan :	20,00,00,00,000	
Total Drawn amount :	5,00,00,00,000	
Date of Drawal	11.07.2022	
Interest Type :	Floating	
Fixed Interest Rate :		
Base Rate, If Floating Interest	6.49%	
Margin, If Floating Interest :	NIL	
Are there any Caps/ Floor :	Y/N	
Frequency of Intt. Payment	MONTHLY	
If Above is yes, specify Caps/ Floor :		
Moratorium Period :	3 Years	
Moratorium effective from :	01.07.2021	
Repayment Period (Inc Moratorium) :	15 years	
Repayment Frequency :	12 Yearly Instalment	
Repayment Type :	AVG	
First Repayment Date :	30.12.2024	
Base Exchange Rate :	RUPEE	
Date of Base Exchange Rate :	N.A.	

Project Code	**Project Name**	**Amount**
	BARH-I	30,00,00,000.00
	NORTH KARANPURA	10,00,00,000.00
	RAMAGUNDAM FS SOLAR	7,00,00,000.00
	KAYAKULAM FLOATING	8,00,00,000.00
	AURAIYA SOLAR FS 20	5,00,00,000.00
	JETSAR SOLAR	7,00,00,000.00
	DEVIKOT SOLAR	4,00,00,000.00
	DEVIKOT SOLAR-90MW	7,00,00,000.00
	SAMBHU KI BHURJ	29,00,00,000.00
	SAMBHU KI BHURJ-II	43,50,00,000.00
	FATEHGARH	60,50,00,000.00
	NOKHRA SOLAR	1,43,50,00,000.00
	ETTAYAPURAM SOLAR	13,00,00,000.00
	RIHAND SOLAR (20MW)	1,00,00,000.00
	KAWAS SOLAR 56MW	36,50,00,000.00
	ANTA SOLAR 90MW	10,50,00,000.00
	SOLAPUR SOLAR	2,50,00,000.00
	NOKH SOLAR PLOT-I (245MW)	1,00,00,000.00
	NOKH SOLAR PLOT-II	1,00,00,000.00
	KHARGONE	10,00,00,000.00
	LARA-I	15,00,00,000.00
	DARLIPALLI	10,00,00,000.00
	TANDA-II	25,00,00,000.00
	BARAUNI-II	12,00,00,000.00
	KIRENDARI	8,00,00,000.00
Total Allocated Amount		**5,00,00,00,000.00**

Signature Not Verified
Digitally signed by PARIMAL PIYUSH
Date: 2025.06.25 14:23:24 IST
Reason: AGM(Commercial)
Location: NTPC Limited

Statement Giving Details of Project Financed through a Combination of loan

Form 8

TRANCHE NO

BP NO 5050001263 **T00001** D0001

Unsecured Loan From Indusind Bank

Source of Loan :	Indusind Bank	
Currency :	INR	
Amount of Loan :	15,00,00,00,000	
Total Drawn amount :	2,16,42,00,000	
Date of Drawal:	15.07.2022	
Interest Type :	FLOATING	
Rate of Interest	6.82%	
Margin, If Floating Interest :	0.00%	
Are there any Caps/ Floor :	Y/N	
Frequency of Intt. Payment	MONTHLY	
If Above is yes, specify Caps/ Floor :		
Moratorium Period :	3 Years	
Moratorium effective from :	15-Jul-22	
Repayment Period (Inc Moratorium) :	15 Years	
Repayment Frequency :	12 Equal annual Instalments	
Repayment Type :	AVG	
First Repayment Date :	15-Jul-26	
Base Exchange Rate :	RUPEE	
Date of Base Exchange Rate :	N.A.	

Project Code	**Project Name**	**Amount**
	ETTAYAPURAM SOLAR(230MW)	14,42,00,000.00
	NORTH KARANPURA	52,00,00,000.00
	DEVIKOT SOLAR-90MW	13,00,00,000.00
	SAMBHU KI BHURJ SOLAR 250	9,00,00,000.00
	FATEHGARH (296MW)	10,00,00,000.00
	KAWAS SOLAR 56MW	5,00,00,000.00
	BARAUNI-II (2X250MW)	8,00,00,000.00
	SINGRAULI R&M	20,00,00,000.00
	KORBA R&M	20,00,00,000.00
	RAMAGUNDAM I & II R&M	20,00,00,000.00
	VINDHYACHAL R&M	11,00,00,000.00
	FARAKKA R&M	7,00,00,000.00
	CHATTI BARIATU CMB	10,00,00,000.00
	TALAIPALI COAL MINE	13,00,00,000.00
	KIRENDARI	4,00,00,000.00
Total Allocated Amount		**2,16,42,00,000.00**

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Date: 2025.06.25 14:23:24 IST
Reason: AGM(Commercial)
Location: NTPC Limited

Statement Giving Details of Project Financed through a Combination of loan

Form 8

TRANCHE NO

BP NO 5050001512 **T00001** D0001

Unsecured Loan From Indusind Bank 1A

Source of Loan :	Indusind Bank 1A
Currency :	INR
Amount of Loan :	15,00,00,00,000
Total Drawn amount :	7,83,58,00,000
Date of Drawal:	1-Jul-24
Interest Type :	FLOATING
Rate of Interest	7.95%
Margin, If Floating Interest :	0.00%
Are there any Caps/ Floor :	Y/N
Frequency of Intt. Payment	MONTHLY
If Above is yes, specify Caps/ Floor :	
Moratorium Period :	3 Years
Moratorium effective from :	15-Jul-22
Repayment Period (Inc Moratorium) :	15 Years
Repayment Frequency :	12 Equal annual Instalments
Repayment Type :	AVG
First Repayment Date :	15-Jul-26
Base Exchange Rate :	RUPEE
Date of Base Exchange Rate :	N.A.

Project Code	Project Name	Amount
	TTPS III	36,00,00,000.00
	SINGRAULI III	2,00,00,000.00
	GANDHAR SOLAR	1,00,00,000.00
	SOLAPUR SOLAR	4,00,00,000.00
	ANTA SOLAR	16,00,00,000.00
	NOKH SOLAR PLOT-I	8,50,00,000.00
	NOKH SOLAR PLOT-II	1,07,00,00,000.00
	NOKH SOLAR PLOT-III	1,06,50,00,000.00
	CHATTI BARIATU CMB	60,00,00,000.00
	KERANDARI	23,00,00,000.00
	PAKRI BARWADIH CMB	1,47,58,00,000.00
	DULANGA COAL MINE	5,00,00,000.00
	RIHAND- I FGD	9,50,00,000.00
	UNCHAHAR-I, II & III-FGD	5,00,00,000.00
	VINDHYACHAL-I &II FGD	14,75,00,000.00
	VINDHYACHAL-III &IV FGD	7,00,00,000.00
	SIPAT-I FGD	3,25,00,000.00
	SIPAT-II FGD	4,00,00,000.00
	KORBA-I, II & III	21,75,00,000.00
	BARH-II FGD	1,75,00,000.00
	RAMAGUNDAM-I & II FGD	14,25,00,000.00
	RAMAGUNDAM-III FGD	13,25,00,000.00
	SIMHADRI-II & I FGD	6,00,00,000.00
	MOUDA-II FGD	3,75,00,000.00
	SOLAPUR-FGD	2,50,00,000.00
	KUDGI-FGD	10,00,00,000.00
	SINGRAULI-I & II FGD	10,00,00,000.00
	FARAKKA-I , II & III FGD	28,00,00,000.00
	KAHALGAON-I & II FGD	91,75,00,000.00
	TSTPS STAGE-II & I FGD	20,50,00,000.00
Total Allocated Amount		**7,83,58,00,000.00**

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Date: 2025.06.25 14:23:24 IST
Reason: AGM(Commercial)
Location: NTPC Limited

Statement Giving Details of Project Financed through a Combination of loan

Form 8

TRANCHE NO

BP NO 5050001342 **T00001** D00003

Unsecured Loan From UCO BANK IV

Source of Loan :	**UCO BANK IV**	
Currency :	INR	
Amount of Loan :	10,00,00,00,000	
Total Drawn amount :	2,50,00,00,000	
Date of Drawal:	08.05.2023	
Interest Type :	Floating	
Fixed Interest Rate :		
Base Rate, If Floating Interest	7.70%	
Margin, If Floating Interest :	NIL	
Are there any Caps/ Floor :	Y/N	
Frequency of Intt. Payment	MONTHLY	
If Above is yes, specify Caps/ Floor :		
Moratorium Period :	3 Years	
Moratorium effective from :	08.05.2023	
Repayment Period (Inc Moratorium) :	12 Years	
Repayment Frequency :	12 Yearly	
Repayment Type :	AVG	
First Repayment Date :	11.11.2026	
Base Exchange Rate :	RUPEE	
Date of Base Exchange Rate :	N.A.	

Project Code	Project Name	Amount
	BARH-I (3X 660MW)	200000000
	TAPOVAN VISHNUGARH	120000000
	NORTH KARANPURA	200000000
	RAMMAM	30000000
	TELANGANA	350000000
	NOKH SOLAR PLOT-I	20000000
	NOKH SOLAR PLOT-III	130000000
	DARLIPALLI	400000000
	NABINAGAR	80000000
	CHATTI BARIATU CMB	10000000
	TALAIPALI COAL MINE	70000000
	KIRENDARI	80000000
	RIHAND-I FGD	70000000
	RIHAND- II & III FGD	10000000
	UNCHAHAR-I, II & III-FGD	60000000
	VINDHYACHAL-I &II FGD	70000000
	VINDHYACHAL-III &IV FGD	30000000
	SIPAT-II FGD	30000000
	RAMAGUNDAM-III	30000000
	KORBA-I, II & III (3X200	120000000
	RAMAGUNDAM-I & II FGD	50000000
	SIMHADRI-II & I (2X500 MW	10000000
	MOUDA-I FGD	10000000
	MOUDA-II FGD	20000000
	SOLAPUR-FGD	30000000
	KUDGI-FGD	20000000
	SINGRAULI-I & II FGD	130000000
	FARAKKA-I , II & III FGD	10000000
	KAHALGAON-I & II FGD	10000000
	TSTPS STAGE-II & I FGD	100000000
Total Allocated Amount		**2,50,00,00,000.00**

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Date: 2025.06.25 14:23:24 IST
Reason: AGM(Commercial)
Location: NTPC Limited

					FORM-8
Name of the Company	**NTPC Limited**				
Name of the Power Station	**Kerandari Coal Mine**				
Commercial Operation Date (COD)	**01.04.2025**				
					(Amount in Rs. Lakh)
Particulars					
Source of Loan - Bonds Series	**73**	**75**	**76**	**78**	**82**
Currency	INR	INR	INR	INR	INR
Amount of Loan sanctioned (In Lakh)	2,50,000	3,00,000	1,17,500	2,00,000	4,00,000
Amount of Gross Loan drawn upto COD (In Lakh)	2,50,000	3,00,000	1,17,500	2,00,000	4,00,000
Interest Type	Fixed	Fixed	Fixed	Fixed	Fixed
Fixed Interest Rate, if applicable	6.43%	6.69%	6.74%	7.44%	7.26%
Base Rate, if Floating Interest	N/A	N/A	N/A	N/A	N/A
Margin, if Floating Interest	N/A	N/A	N/A	N/A	N/A
Are there any Caps/Floor	No	No	No	No	No
If above is yes,specify caps/floor	N/A	N/A	N/A	N/A	N/A
Moratorium Period (In Years)	10	10	10 yrs 3 months 25 days	10	15
Moratorium effective from*	27-01-2021	13-09-2021	20-12-2021	25-08-2022	20-03-2025
Repayment Period	Bullet Repayment	Bullet Repayment	Bullet Repayment	Bullet Repayment	Bullet Repayment
Repayment effective from	27-01-2031	13-09-2031	14-04-2032	25-08-2032	20-03-2040
Repayment Frequency	Bullet Repayment	Bullet Repayment	Bullet Repayment	Bullet Repayment	Bullet Repayment
Repayment Instalment (In Lakh)	2,50,000	3,00,000	1,17,500	2,00,000	4,00,000
Base Exchange Rate	N/A	N/A	N/A	N/A	N/A
Door to Door Maturity (In Years)	10	10	10 yrs 3 months 25 days	10	15
Name of the Projects	**73**	**75**	**76**	**78**	**82**
Kerandari Coal Mine	**7,350.00**	**165.00**	**1,400.00**	**1,900.00**	**3,100.00**

(Petitioner)

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Date: 2025.06.29 14:23:24 IST
Reason: AGM(Commercial)
Location: NTPC Limited

					FORM-8
Name of the Company	**NTPC Limited**				
Name of the Power Station	**Kerandari Coal Mine**				
Commercial Operation Date (COD)	**01.04.2025**				

*Moratorium period has been taken as the period from Deemed Date of Allotment till the date of first Redemption.

1. Source of loan means the agency from whom the loan has been taken such as WB, ADB, WMB, PNB, SBI, ICICI, IFC, PFC etc.
2. Currency refers to currency of loan such as US$, DM, Yen,Indian Rupee etc.
3. Details are to be submitted as on 31.03.2004 for existing assets and as on COD for the remaining assets.
4. Where the loan has been refinanced, details in the Form is to be given for the loan refinaced. However, the details of the original loan is to be given seperately in the same form.
5. If the Tariff in the petition is claimed seperately for various units, details in the Form is to be given seperately for all the units in the same form.
6. Interest type means whether the interest is fixed or floating.
7. Base rate means the base as PLR, LIBOR etc. over which the margin is to be added. Applicable base rate on different dates from the date of drawl may also be enclosed.
8. Margin means the points over and above the floating rate.
9. At times caps/floor are put at which the floating rates are frozen. If such a condition exists, specify the limits.
10. Moratorium period refers to the period during which loan servicing liability is not required.
11. Repayment period means the repayment of loan such as 7 years, 10 years, 25 years etc.
12. Repayment frequency means the interval at which the debt servicing is to be done such as monthly, quarterly, half yearly, annual, etc.
13. Where there is more than one drawal/repayment for a loan, the date & amount of each drawal/repayement and its allocation may also be given seperately
14. If the repayment instalment amount and repayment date can not be worked out from the data furnished above, the repayment schedule to be furnished seperately.
15. In case of Foreign loan,date of each drawal & repayment alongwith exchange rate at that date may be given.
16. Base exchange rate means the exchange rate prevailing as on 31.03.2004 for existing assets and as on COD for the remaining assets.

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Date: 2025.06.28 14:23:24 IST
Reason: AGM(Commercial)
Location: NTPC Limited

Form-9A

Year wise Statement of Additional Capitalization after date of Commercial operation up to/beyond achieving Peak rated Capacity

Name of the Petitioner : NTPC Ltd

Name of the Integrated Mine : Kerandari

Date of Commercial Operation: 01.04.2025

Financial Year 2024-29

S. No.	Head of Work / Equipment	ACE Claimed (Projected) 24-25			ACE Claimed (Projected) 25-26			ACE Claimed (Projected) 26-27			ACE Claimed (Projected) 27-28			ACE Claimed (Projected) 28-29			Regulations under which claimed	Justification
		Accrual basis	Un-discharged Liability	Cash basis	Accrual basis	Un-discharged Liability	Cash basis	Accrual basis	Un-discharged	Cash basis	Accrual basis	Un-discharged	Cash basis	Accrual basis	Un-discharged Liability	Cash basis		
1	Land and R&R activites	0	0	0	8000	0	8000	6000	0	6000	6000	0	6000	6000	0	6000	42(1)e / 42(2)(d)	Expenditure towards land and asset compensation and Related R&R activities as envisaged in mine plan (clause 13(a),13(b),13(c)). Hon'ble commission may be pleased to allow the same.
2	CHP,P&M-Elec,Railway Sidings etc	0	0	0	200	0	200	76400	0	76400	16000	0	16000	100	0	100	42(1)a/42(1)(a)	Expenditure required for construction of CHP, Infrastructure works, Railway Sidings, etc as envisaged in Mine Plan (clause 5.6.1, 12.6, 12.2.3 and 14.4.7). Hon'ble Commission may be pleased to allow the same.
3	Buildings, roads, Culverts etc	0	0	0	800	0	800	3100	0	3100	11900	0	11900	1900	0	1900	42(1)a/42(1)(a)	Expenditure required for construction of buildings and roads as envisaged in Mine Plan (as per clause no 5.6.1& 14.4.7). Hon'ble Commission may be pleased to allow the same.
	Total	**0.00**	**0.00**	**0.00**	**9000**	**0**	**9000**	**85500**	**0**	**85500**	**33900**	**0**	**33900**	**8000**	**0**	**8000**		
4	Liability Discharge			-			-			-			-			-		
	Total	**-**	**-**	**-**	**9,000**	**-**	**9,000**	**85,500**	**-**	**85,500**	**33,900**	**-**	**33,900**	**8,000**	**-**	**8,000**		

(Petitioner)

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Date: 2025.06.29 14:23:24 IST
Reason: AGM(Commercial)
Location: NTPC Limited

Part-IV
Form-9

Year wise Statement of Additional Capitalization after date of Commercial operation up to/beyond achieving Peak rated Capacity

Name of the Petitioner : NTPC Ltd

Name of the Integrated Mine : Kerandari

Date of Commercial Operation: 01.04.2025

Financial Year 2024-25

Sl. No.	Head of Work / Equipment	ACE Claimed (Actual / Projected)				Regulations under which claimed	Justification	Admitted Cost by the Commission, if any
		Accrual basis	Un-discharged Liability included in column 3	Cash basis	IDC included in col. 3			
1	2	3	4	(5 = 3 - 4)	6	7	8	9
1	Land and R&R activites							
2	CHP, P&M-Elec, Railway Sidings etc		Not applicable					
3	Buildings, roads, Culverts etc							
4	Minining Property							
Total		**0.00**	**0.00**	**0.00**	**0.00**			
5	Liability Discharge			-				
	Total	**-**	**-**	**-**				

(Petitioner)

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Date: 2025.06.29 14:23:24 IST
Reason: AGM(Commercial)
Location: NTPC Limited

Year wise Statement of Additional Capitalization after date of Commercial operation up to/beyond achieving Peak rated Capacity

Part-IV
Form-9

Name of the Petitioner : NTPC

Name of the Integrated Mine : Kerandari

Date of Commercial Operation: 01.04.2025

Financial Year 2025-26

Amount in Rs Lakhs

S. No.	Head of Work / Equipment	ACE Claimed (Actual / Projected)				Regulations under which claimed	Justification	Admitted Cost by the Commission, if any
		Accrual basis	Un-discharged Liability included in column 3	Cash basis	IDC included in col. 3			
1	2	3	4	(5 = 3 - 4)	6	7	8	9
1	Land and R&R activites	8,000.00		8,000.00		42(1)e	Expenditure towards land and asset compensation and Related R&R activities as envisaged in mine plan (clause 13(a),13(b),13(c)). Hon'ble commission may be pleased to allow the same.	
2	CHP, P&M-Elec, Railway Sidings etc	200.00		200.00		42(1)a	Expenditure required for construction of CHP, Infrastructure works, Railway Sidings, etc as envisaged in Mine Plan (clause 5.6.1, 12.6, 12.2.3 and 14.4.7). Hon'ble Commission may be pleased to allow the same.	
3	Buildings, roads, Culverts etc	800.00		800.00		42(1)a	Expenditure required for construction of buildings and roads as envisaged in Mine Plan (as per clause no 5.6.1& 14.4.7). Hon'ble Commission may be pleased to allow the same.	
Total		**9,000**	**-**	**9,000**				
4	Liability Discharge							
	Total	**9,000**	**-**	**9,000**				

(Petitioner)

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Date: 2025.06.29 14:23:24 IST
Reason: AGM(Commercial)
Location: NTPC Limited

Year wise Statement of Additional Capitalization after date of Commercial operation up to/beyond achieving Peak rated Capacity

Part-IV
Form-9

Name of the Petitioner : NTPC

Name of the Integrated Mine : Kerandari

Date of Commercial Operation: 01.04.2025

Financial Year 2026-27

Amount in Rs Lakhs

S. No.	Head of Work / Equipment	ACE Claimed (Actual / Projected)				Regulations under which claimed	Justification	Admitted Cost by the Commission, if any
		Accrual basis	Un-discharged Liability included in column 3	Cash basis	IDC included in col. 3			
1	2	3	4	(5 = 3 - 4)	6	7	8	9
1	Land and R&R activites	6,000.00		6,000.00		42(2)d	Expenditure towards land and asset compensation and Related R&R activities as envisaged in mine plan (clause 13(a),13(b),13(c)). Hon'ble commission may be pleased to allow the same.	
2	CHP,P&M-Elec,RailwaySidings etc	76,400.00		76,400.00		42(2)a	Expenditure required for construction of CHP, Infrastructure works, Railway Sidings, etc as envisaged in Mine Plan (clause 5.6.1, 12.6, 12.2.3 and 14.4.7). Hon'ble Commission may be pleased to allow the same.	
3	Buildings,roads, Culverts etc	3,100.00		3,100.00		42(2)a	Expenditure required for construction of buildings and roads as envisaged in Mine Plan (as per clause no 5.6.1& 14.4.7). Hon'ble Commission may be pleased to allow the same.	
Total		**85,500.00**	**-**	**85,500.00**				
4	Liability Discharge							
	Total	**85,500.00**	**-**	**85,500.00**				

(Petitioner)

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Date: 2025.06.29 14:23:24 IST
Reason: AGM(Commercial)
Location: NTPC Limited

Year wise Statement of Additional Capitalization after date of Commercial operation up to/beyond achieving Peak rated Capacity

Part-IV
Form-9

Name of the Petitioner : NTPC

Name of the Integrated Mine : Kerandari

Date of Commercial Operation: 01.04.2025

Financial Year 2027-28

Amount in Rs Lakhs

S. No.	Head of Work / Equipment	ACE Claimed (Actual / Projected)				Regulations under which claimed	Justification	Admitted Cost by the Commission, if any
		Accrual basis	Un-discharged Liability included in column 3	Cash basis	IDC included in col. 3			
1	2	3	4	(5 = 3 - 4)	6	7	8	9
1	Land and R&R activites	6,000.00		6,000.00		42(2)d	Expenditure towards land and asset compensation and Related R&R activities as envisaged in mine plan (clause 13(a),13(b),13(c)). Hon'ble commission may be pleased to allow the same.	
2	CHP,P&M-Elec,RailwaySidings etc	16,000.00		16,000.00		42(2)a	Expenditure required for construction of CHP, Infrastructure works, Railway Sidings, etc as envisaged in Mine Plan (clause 5.6.1, 12.6, 12.2.3 and 14.4.7). Hon'ble Commission may be pleased to allow the same.	
3	Buildings,roads,Culverts etc	11,900.00		11,900.00		42(2)a	Expenditure required for construction of buildings and roads as envisaged in Mine Plan (as per clause no 5.6.1& 14.4.7). Hon'ble Commission may be pleased to allow the same.	
Total		**33,900**		**33,900**				
4	Liability Discharge							
	Total	**33,900**	**-**	**33,900**				

(Petitioner)

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Date: 2025.06.28 14:23:24 IST
Reason: AGM(Commercial)
Location: NTPC Limited

Year wise Statement of Additional Capitalization after date of Commercial operation up to/beyond achieving Peak rated Capacity	Part-IV Form-9

Name of the Petitioner : NTPC

Name of the Integrated Mine : Kerandari

Date of Commercial Operation: 01.04.2025

Financial Year 2028-29

Amount in Rs Lakhs

S. No.	Head of Work / Equipment	ACE Claimed (Projected)				Regulations under which claimed	Justification	Admitted Cost by the Commission, if any
		Accrual basis	Un-discharged Liability included in column 3	Cash basis	IDC included in col. 3			
1	2	3	4	(5 = 3 - 4)	6	7	8	9
1	Land and R&R activites	6,000.00		6,000.00		42(2)d	Expenditure towards land and asset compensation and Related R&R activities as envisaged in mine plan (clause 13(a),13(b),13(c)) and Investment Approval. Hon'ble commission may be pleased to allow the same.	
2	CHP,P&M-Elec,RailwaySidings etc	100.00		100.00		42(2)a	Expenditure required for construction of CHP, Infrastructure works, Railway Sidings, etc as envisaged in Mine Plan (clause 12.6, 12.2.3 and 14.4.7) and Investment Approval. Hon'ble Commission may be pleased to allow the same.	
3	Buildings,roads,Culverts etc	1,900.00		1,900.00		42(2)a	Expenditure required for construction of buildings as envisaged in Mine Plan (clause no 14.4.7) and Investment Approval. Roads being built for transportation of coal till construction of permanent CHP.Hon'ble Commission may be pleased to allow the same.	
Total		**8,000**		**8,000**				
4	Liability Discharge							
	Total	**8,000**	**-**	**8,000**				

(Petitioner)

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Date: 2025.06.29 14:23:24 IST
Reason: AGM(Commercial)
Location: NTPC Limited

PART- IV
FORM- 11

Calculation of Depreciation
Name of the Petitioner : NTPC
Name of the Integrated Mine : Kerandari

(Amount in Rs Lakh)

S. No.	Name of the Assets	Useful Life (Years)	Salvage Value (%)	Gross Block as on 01.04.2025	Addition for 2025-26	Depreciation Amount for 2025-26	Gross Block as on 31.03.2026	Depreciation Amount for 2026-27	Addition for 2026-27	Gross Block as on 31.03.2027
1	2	3A	3	4		7 = 3 X 6	8	9 = 3 X 8		10
1	Free hold Land	999	0.00	7,108.09		-	7,108.09	-		7,108.09
2	Leasehold Land	24	0.00	634.33		26.63	634.33	26.63		634.33
3	Roads, bridges, culverts & helipads	24	5.00	26.65		1.06	26.65	1.06		26.65
4	Coal Bearing Land	24	0.00	57,372.39	8,000.00	2,408.89	65,372.39	2,759.51	6,000.00	71,372.39
5	Other Buildings	15	5.00	344.29	800.00	21.80	1,144.29	72.47	3,100.00	4,244.29
6	Water supply, drainage & sewerage	15	5.00	14.19		0.90	14.19	0.90		14.19
7	Plant and machinery	15	5.00	364.46	200.00	23.08	564.46	35.75	76,400.00	76,964.46
8	Furniture and fixtures	15	5.00	245.60		15.55	245.60	15.55		245.60
9	Other Office Equipments	15	5.00	193.98		12.29	193.98	12.29		193.98
10	EDP, WP machines & SATCOM equipment	15	0.00	-		-	-	-		-
11	Vehicles including speedboats	10	5.00	-		-	-	-		-
12	Electrical installations	15	5.00	158.34		10.03	158.34	10.03		158.34
13	Communication equipment	15	5.00	51.35		3.25	51.35	3.25		51.35
14	Laboratory and workshop equipment	15	5.00	35.31		2.24	35.31	2.24		35.31
15	Computer and Software	6.33	0.00	386.27		61.02	386.27	61.02		386.27
16	Mine development expenses	20	0.00	70,192.93		3,509.65	70,192.93	3,509.65		70,192.93
	TOTAL			**1,37,128.16**	**9,000.00**	**6,096.40**	**1,46,128.16**	**6,510.35**	**85,500.00**	**2,31,628.16**
	Weighted Average Rate of Depreciation %			-		**4.45%**		**4.46%**		

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Location: NTPC Limited

PART- IV
FORM- 11

Calculation of Depreciation
Name of the Petitioner : NTPC
Name of the Integrated Mine : Kerandari

In Rs. Lakh

S. No.	Name of the Assets	Useful Life (Years)	Salvage Value (%)	Depreciation Amount for 2027-28	Addition for 2027-28	Gross Block as on 31.03.2028	Depreciation Amount for 2028-29	Addition for 2028-29	Gross Block as on 31.03.2029
1	2	3A	3	11 = 3 X 10		12	5 = 3 X 4		
1	Free hold Land	999	0.00	-		7,108.09	-		7,108.09
2	Leasehold Land	24	0.00	26.63		634.33	26.63		634.33
3	Roads, bridges, culverts & helipads	24	5.00	1.06		26.65	1.06		26.65
4	Coal Bearing Land	24	0.00	3,034.52	6,000.00	77,372.39	3,322.75	6,000.00	83,372.39
5	Other Buildings	15	5.00	268.80	11,900.00	16,144.29	1,022.47	1,900.00	18,044.29
6	Water supply, drainage & sewerage	15	5.00	0.90		14.19	0.90		14.19
7	Plant and machinery	15	5.00	4,874.42	16,000.00	92,964.46	5,887.75	100.00	93,064.46
8	Furniture and fixtures	15	5.00	15.55		245.60	15.55		245.60
9	Other Office Equipments	15	5.00	12.29		193.98	12.29		193.98
10	EDP, WP machines & SATCOM equipment	15	0.00	-		-	-		-
11	Vehicles including speedboats	10	5.00	-		-	-		-
12	Electrical installations	15	5.00	10.03		158.34	10.03		158.34
13	Communication equipment	15	5.00	3.25		51.35	3.25		51.35
14	Laboratory and workshop equipment	15	5.00	2.24		35.31	2.24		35.31
15	Computer and Software	6.33	0.00	61.02		386.27	61.02		386.27
16	Mine development expenses	20	0.00	3,509.65		70,192.93	3,509.65		70,192.93
	TOTAL			**11,820.36**	**33,900.00**	**2,65,528.16**	**13,875.59**	**8,000.00**	**2,73,528.16**
	Weighted Average Rate of Depreciation %			**5.10%**			**5.23%**		

(Petitioner)

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Location: NTPC Limited

Statement of Depreciation

PART- IV
FORM- 12

Name of the Petitioner : NTPC

Name of the Integrated Mine : Kerandari

S. No.	Particulars	2024-25	2025-26 (01.04.2025 to 31.03.2026)	2026-27	2027-28	2028-29
1	2	3	4	5	6	7
1.	Opening Capital Cost	NA	1,37,788.09	1,46,788.09	2,32,288.09	2,66,188.09
2.	Closing Capital Cost		1,46,788.09	2,32,288.09	2,66,188.09	2,74,188.09
3.	**Average Capital Cost**		1,42,288.09	1,89,538.09	2,49,238.09	2,70,188.09
4.	Freehold land		6,644.39	6,644.39	6,644.39	6,644.39
4A	Assets having zero salvage value		1,36,585.91	1,42,585.91	1,48,585.91	1,54,585.91
5.	Rate of depreciation		**4.45%**	**4.46%**	**5.10%**	**5.23%**
6.	Depreciable value		1,35,690.81	1,80,878.31	2,37,893.31	2,58,095.81
7.	Balance useful life at the beginning of the period		24	23	22	21
8.	Remaining depreciable value		1,35,690.81	1,74,552.51	2,23,123.15	2,30,606.63
9.	**Depreciation (for the period)**		**6,325.80**	**8,444.36**	**12,719.03**	**14,119.10**
10.	**Depreciation (annualized)**		6,325.80	8,444.36	12,719.03	14,119.10
11.	Cumulative depreciation at the end of the period		6,325.80	14,770.15	27,489.18	41,608.28
12.	Less: Cumulative depreciation adjustment on account of de-capitalization					
13.	Net Cumulative depreciation at the end of the period		6,325.80	14,770.15	27,489.18	41,608.28

(Petitioner)

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Reason: AGM(Commercial)
Location: NTPC Limited

Calculation of Weighted Average Rate of Interest on Actual Loans					PART- IV FORM- 13
Name of the Petitioner: NTPC Ltd					
Name of the Integrated Mine: Dulanga					
					(Amount in Rs. Lakh)
Sl. no.	**Particulars**	**2025-26**	**2026-27**	**2027-28**	**2028-29**
1	**Euro Loan I**				
	Gross loan - Opening	3505.61	3505.61	3505.61	3505.61
	Cumulative repayments of Loans upto previous period	0.00	0.00	0.00	0.00
	Net loan - Opening	3505.61	3505.61	3505.61	3505.61
	Increase/ Decrease due to FERV	0.00	0.00	0.00	0.00
	Increase/ Decrease due to ACE/Drawl during the period	0.00	0.00	0.00	0.00
	Total	3505.61	3505.61	3505.61	3505.61
	Repayments of Loans during the period	0.00	0.00	0.00	3505.61
	Net loan - Closing	3505.61	3505.61	3505.61	0.00
	Average Net Loan	3505.61	3505.61	3505.61	1752.80
	Rate of Interest on Loan	3.69%	3.69%	3.69%	3.69%
	Interest on Loan Annualised	129.36	129.36	129.36	64.68
2	**Euro Loan II**				
	Gross loan - Opening	1300.27	1300.27	1300.27	1300.27
	Cumulative repayments of Loans upto previous period	0.00	0.00	0.00	0.00
	Net loan - Opening	1300.27	1300.27	1300.27	1300.27
	Increase/ Decrease due to FERV	0.00	0.00	0.00	0.00
	Increase/ Decrease due to ACE/Drawl during the period	0.00	0.00	0.00	0.00
	Total	1300.27	1300.27	1300.27	1300.27
	Repayments of Loans during the period	0.00	0.00	0.00	1300.27
	Net loan - Closing	1300.27	1300.27	1300.27	0.00
	Average Net Loan	1300.27	1300.27	1300.27	650.13
	Rate of Interest on Loan	3.69%	3.69%	3.69%	3.69%
	Interest on Loan Annualised	47.96	47.96	47.96	23.98
3	**Euro Loan III**				
	Gross loan - Opening	1194.88	1194.88	1194.88	1194.88
	Cumulative repayments of Loans upto previous period	0.00	0.00	0.00	0.00
	Net loan - Opening	1194.88	1194.88	1194.88	1194.88
	Increase/ Decrease due to FERV	0.00	0.00	0.00	0.00
	Increase/ Decrease due to ACE/Drawl during the period	0.00	0.00	0.00	0.00
	Total	1194.88	1194.88	1194.88	1194.88
	Repayments of Loans during the period	0.00	0.00	0.00	1194.88
	Net loan - Closing	1194.88	1194.88	1194.88	0.00
	Average Net Loan	1194.88	1194.88	1194.88	597.44
	Rate of Interest on Loan	3.69%	3.69%	3.69%	3.69%
	Interest on Loan Annualised	44.09	44.09	44.09	22.05
4	**USD 750 Million Drawl I**				
	Gross loan - Opening	3058.30	3058.30	3058.30	3058.30
	Cumulative repayments of Loans upto previous period	0.00	0.00	436.90	873.80
	Net loan - Opening	3058.30	3058.30	2621.40	2184.50
	Increase/ Decrease due to FERV	0.00	0.00	0.00	0.00
	Increase/ Decrease due to ACE/Drawl during the period	0.00	0.00	0.00	0.00
	Total	3058.30	3058.30	2621.40	2184.50
	Repayments of Loans during the period	0.00	436.90	436.90	436.90
	Net loan - Closing	3058.30	2621.40	2184.50	1747.60
	Average Net Loan	3058.30	2839.85	2402.95	1966.05
	Rate of Interest on Loan	5.75%	5.75%	5.75%	5.75%
	Interest on Loan Annualised	175.72	163.17	138.07	

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Location: NTPC Limited

5	**USD 750 Million Drawl II**				
	Gross loan - Opening	2808.18	2808.18	2808.18	2808.18
	Cumulative repayments of Loans upto previous period	0.00	0.00	401.17	802.34
	Net loan - Opening	2808.18	2808.18	2407.02	2005.85
	Increase/ Decrease due to FERV	0.00	0.00	0.00	0.00
	Increase/ Decrease due to ACE/Drawl during the period	0.00	0.00	0.00	0.00
	Total	2808.18	2808.18	2407.02	2005.85
	Repayments of Loans during the period	0.00	401.17	401.17	401.17
	Net loan - Closing	2808.18	2407.02	2005.85	1604.68
	Average Net Loan	2808.18	2607.60	2206.43	1805.26
	Rate of Interest on Loan	5.75%	5.75%	5.75%	5.75%
	Interest on Loan Annualised	161.35	149.82	126.77	103.72
6	**USD 750 Million Drawl III**				
	Gross loan - Opening	4653.18	4653.18	4653.18	4653.18
	Cumulative repayments of Loans upto previous period	0.00	0.00	664.74	1329.48
	Net loan - Opening	4653.18	4653.18	3988.44	3323.70
	Increase/ Decrease due to FERV	0.00	0.00	0.00	0.00
	Increase/ Decrease due to ACE/Drawl during the period	0.00	0.00	0.00	0.00
	Total	4653.18	4653.18	3988.44	3323.70
	Repayments of Loans during the period	0.00	664.74	664.74	664.74
	Net loan - Closing	4653.18	3988.44	3323.70	2658.96
	Average Net Loan	4653.18	4320.81	3656.07	2991.33
	Rate of Interest on Loan	5.75%	5.75%	5.75%	5.75%
	Interest on Loan Annualised	267.36	248.26	210.07	171.87
7	**USD 750 Million Drawl IV**				
	Gross loan - Opening	2092.36	2092.36	2092.36	2092.36
	Cumulative repayments of Loans upto previous period	0.00	0.00	298.91	597.82
	Net loan - Opening	2092.36	2092.36	1793.45	1494.54
	Increase/ Decrease due to FERV	0.00	0.00	0.00	0.00
	Increase/ Decrease due to ACE/Drawl during the period	0.00	0.00	0.00	0.00
	Total	2092.36	2092.36	1793.45	1494.54
	Repayments of Loans during the period	0.00	298.91	298.91	298.91
	Net loan - Closing	2092.36	1793.45	1494.54	1195.63
	Average Net Loan	2092.36	1942.90	1644.00	1345.09
	Rate of Interest on Loan	5.75%	5.75%	5.75%	5.75%
	Interest on Loan Annualised	120.22	111.63	94.46	77.28
8	**USD 750 Million Drawl V**				
	Gross loan - Opening	3858.01	3858.01	3858.01	3858.01
	Cumulative repayments of Loans upto previous period	0.00	0.00	551.14	1102.29
	Net loan - Opening	3858.01	3858.01	3306.87	2755.72
	Increase/ Decrease due to FERV	0.00	0.00	0.00	0.00
	Increase/ Decrease due to ACE/Drawl during the period	0.00	0.00	0.00	0.00
	Total	3858.01	3858.01	3306.87	2755.72
	Repayments of Loans during the period	0.00	551.14	551.14	551.14
	Net loan - Closing	3858.01	3306.87	2755.72	2204.58
	Average Net Loan	3858.01	3582.44	3031.30	2480.15
	Rate of Interest on Loan	5.75%	5.75%	5.75%	5.75%
	Interest on Loan Annualised	221.67	205.83	174.17	142.50

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9	**USD 750 Million Drawl VI**				
	Gross loan - Opening	3139.33	3139.33	3139.33	3139.33
	Cumulative repayments of Loans upto previous period	0.00	0.00	448.48	896.95
	Net loan - Opening	3139.33	3139.33	2690.86	2242.38
	Increase/ Decrease due to FERV	0.00	0.00	0.00	0.00
	Increase/ Decrease due to ACE/Drawl during the period	0.00	0.00	0.00	0.00
	Total	3139.33	3139.33	2690.86	2242.38
	Repayments of Loans during the period	0.00	448.48	448.48	448.48
	Net loan - Closing	3139.33	2690.86	2242.38	1793.90
	Average Net Loan	3139.33	2915.09	2466.62	2018.14
	Rate of Interest on Loan	5.75%	5.75%	5.75%	5.75%
	Interest on Loan Annualised	180.38	167.49	141.72	115.96
10	**JPY Equ. $400 Million Drawl I**				
	Gross loan - Opening	2756.24	2756.24	2756.24	2756.24
	Cumulative repayments of Loans upto previous period	0.00	0.00	0.00	393.75
	Net loan - Opening	2756.24	2756.24	2756.24	2362.49
	Increase/ Decrease due to FERV	0.00	0.00	0.00	0.00
	Increase/ Decrease due to ACE/Drawl during the period	0.00	0.00	0.00	0.00
	Total	2756.24	2756.24	2756.24	2362.49
	Repayments of Loans during the period	0.00	0.00	393.75	393.75
	Net loan - Closing	2756.24	2756.24	2362.49	1968.74
	Average Net Loan	2756.24	2756.24	2559.36	2165.61
	Rate of Interest on Loan	1.68%	1.68%	1.68%	1.68%
	Interest on Loan Annualised	46.30	46.30	43.00	36.38
11	**JPY Equ. $400 Million Drawl II**				
	Gross loan - Opening	2249.11	2249.11	2249.11	2249.11
	Cumulative repayments of Loans upto previous period	0.00	0.00	0.00	321.30
	Net loan - Opening	2249.11	2249.11	2249.11	1927.81
	Increase/ Decrease due to FERV	0.00	0.00	0.00	0.00
	Increase/ Decrease due to ACE/Drawl during the period	0.00	0.00	0.00	0.00
	Total	2249.11	2249.11	2249.11	1927.81
	Repayments of Loans during the period	0.00	0.00	321.30	321.30
	Net loan - Closing	2249.11	2249.11	1927.81	1606.51
	Average Net Loan	2249.11	2249.11	2088.46	1767.16
	Rate of Interest on Loan	1.68%	1.68%	1.68%	1.68%
	Interest on Loan Annualised	37.79	37.79	35.09	29.69
12	**JPY Equ. $400 Million Drawl III**				
	Gross loan - Opening	1541.78	1541.78	1541.78	1541.78
	Cumulative repayments of Loans upto previous period	0.00	0.00	0.00	220.25
	Net loan - Opening	1541.78	1541.78	1541.78	1321.52
	Increase/ Decrease due to FERV	0.00	0.00	0.00	0.00
	Increase/ Decrease due to ACE/Drawl during the period	0.00	0.00	0.00	0.00
	Total	1541.78	1541.78	1541.78	1321.52
	Repayments of Loans during the period	0.00	0.00	220.25	220.25
	Net loan - Closing	1541.78	1541.78	1321.52	1101.27
	Average Net Loan	1541.78	1541.78	1431.65	1211.40
	Rate of Interest on Loan	1.68%	1.68%	1.68%	1.68%
	Interest on Loan Annualised	25.90	25.90	24.05	20.35

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13	**JPY Equ. $400 Million Drawl IV**				
	Gross loan - Opening	3680.02	3680.02	3680.02	3680.02
	Cumulative repayments of Loans upto previous period	0.00	0.00	0.00	525.72
	Net loan - Opening	3680.02	3680.02	3680.02	3154.31
	Increase/ Decrease due to FERV	0.00	0.00	0.00	0.00
	Increase/ Decrease due to ACE/Drawl during the period	0.00	0.00	0.00	0.00
	Total	3680.02	3680.02	3680.02	3154.31
	Repayments of Loans during the period	0.00	0.00	525.72	525.72
	Net loan - Closing	3680.02	3680.02	3154.31	2628.59
	Average Net Loan	3680.02	3680.02	3417.17	2891.45
	Rate of Interest on Loan	1.68%	1.68%	1.68%	1.68%
	Interest on Loan Annualised	61.82	61.82	57.41	48.58
14	**Bond 73**				
	Gross loan - Opening	7350.00	7350.00	7350.00	7350.00
	Cumulative repayments of Loans upto previous period	0.00	0.00	0.00	0.00
	Net loan - Opening	7350.00	7350.00	7350.00	7350.00
	Increase/ Decrease due to FERV	0.00	0.00	0.00	0.00
	Increase/ Decrease due to ACE/Drawl during the period	0.00	0.00	0.00	0.00
	Total	7350.00	7350.00	7350.00	7350.00
	Repayments of Loans during the period	0.00	0.00	0.00	0.00
	Net loan - Closing	7350.00	7350.00	7350.00	7350.00
	Average Net Loan	7350.00	7350.00	7350.00	7350.00
	Rate of Interest on Loan	6.46%	6.46%	6.46%	6.46%
	Interest on Loan Annualised	474.81	474.81	474.81	474.81
15	**Bond 75**				
	Gross loan - Opening	165.00	165.00	165.00	165.00
	Cumulative repayments of Loans upto previous period	0.00	0.00	0.00	0.00
	Net loan - Opening	165.00	165.00	165.00	165.00
	Increase/ Decrease due to FERV	0.00	0.00	0.00	0.00
	Increase/ Decrease due to ACE/Drawl during the period	0.00	0.00	0.00	0.00
	Total	165.00	165.00	165.00	165.00
	Repayments of Loans during the period	0.00	0.00	0.00	0.00
	Net loan - Closing	165.00	165.00	165.00	165.00
	Average Net Loan	165.00	165.00	165.00	165.00
	Rate of Interest on Loan	6.72%	6.72%	6.72%	6.72%
	Interest on Loan Annualised	11.09	11.09	11.09	11.09
16	**Bond 76**				
	Gross loan - Opening	1400.00	1400.00	1400.00	1400.00
	Cumulative repayments of Loans upto previous period	0.00	0.00	0.00	0.00
	Net loan - Opening	1400.00	1400.00	1400.00	1400.00
	Increase/ Decrease due to FERV	0.00	0.00	0.00	0.00
	Increase/ Decrease due to ACE/Drawl during the period	0.00	0.00	0.00	0.00
	Total	1400.00	1400.00	1400.00	1400.00
	Repayments of Loans during the period	0.00	0.00	0.00	0.00
	Net loan - Closing	1400.00	1400.00	1400.00	1400.00
	Average Net Loan	1400.00	1400.00	1400.00	1400.00
	Rate of Interest on Loan	6.77%	6.77%	6.77%	6.77%
	Interest on Loan Annualised	94.78	94.78	94.78	94.78
17	**Bond 78**				
	Gross loan - Opening	1900.00	1900.00	1900.00	1900.00
	Cumulative repayments of Loans upto previous period	0.00	0.00	0.00	0.00
	Net loan - Opening	1900.00	1900.00	1900.00	1900.00
	Increase/ Decrease due to FERV	0.00	0.00	0.00	0.00
	Increase/ Decrease due to ACE/Drawl during the period	0.00	0.00	0.00	0.00

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	Total	1900.00	1900.00	1900.00	1900.00
	Repayments of Loans during the period	0.00	0.00	0.00	0.00
	Net loan - Closing	1900.00	1900.00	1900.00	1900.00
	Average Net Loan	1900.00	1900.00	1900.00	1900.00
	Rate of Interest on Loan	7.47%	7.47%	7.47%	7.47%
	Interest on Loan Annualised	141.93	141.93	141.93	141.93
18	**Bond 82**				
	Gross loan - Opening	3100.00	3100.00	3100.00	3100.00
	Cumulative repayments of Loans upto previous period	0.00	0.00	0.00	0.00
	Net loan - Opening	3100.00	3100.00	3100.00	3100.00
	Increase/ Decrease due to FERV	0.00	0.00	0.00	0.00
	Increase/ Decrease due to ACE/Drawl during the period	0.00	0.00	0.00	0.00
	Total	3100.00	3100.00	3100.00	3100.00
	Repayments of Loans during the period	0.00	0.00	0.00	0.00
	Net loan - Closing	3100.00	3100.00	3100.00	3100.00
	Average Net Loan	3100.00	3100.00	3100.00	3100.00
	Rate of Interest on Loan	7.29%	7.29%	7.29%	7.29%
	Interest on Loan Annualised	225.99	225.99	225.99	225.99
19	**AXIS BANK-II**				
	Gross loan - Opening	34000.00	34000.00	34000.00	34000.00
	Cumulative repayments of Loans upto previous period	34000.00	34000.00	34000.00	34000.00
	Net loan - Opening	0.00	0.00	0.00	0.00
	Increase/ Decrease due to FERV	0.00	0.00	0.00	0.00
	Increase/ Decrease due to ACE/Drawl during the period	0.00	0.00	0.00	0.00
	Total	0.00	0.00	0.00	0.00
	Repayments of Loans during the period	0.00	0.00	0.00	0.00
	Net loan - Closing	0.00	0.00	0.00	0.00
	Average Net Loan	0.00	0.00	0.00	0.00
	Rate of Interest on Loan	8.30%	8.30%	8.30%	8.30%
	Interest on Loan Annualised	0.00	0.00	0.00	0.00
20	**AXIS BANK-IV**				
	Gross loan - Opening	34000.00	34000.00	34000.00	34000.00
	Cumulative repayments of Loans upto previous period	6800.00	10200.00	13600.00	17000.00
	Net loan - Opening	27200.00	23800.00	20400.00	17000.00
	Increase/ Decrease due to FERV	0.00	0.00	0.00	0.00
	Increase/ Decrease due to ACE/Drawl during the period	0.00	0.00	0.00	0.00
	Total	27200.00	23800.00	20400.00	17000.00
	Repayments of Loans during the period	3400.00	3400.00	3400.00	3400.00
	Net loan - Closing	23800.00	20400.00	17000.00	13600.00
	Average Net Loan	25500.00	22100.00	18700.00	15300.00
	Rate of Interest on Loan	7.75%	0.08	0.08	0.08
	Interest on Loan Annualised	1976.25	1712.75	1449.25	1185.75
21	**Bank Of India-IV**				
	Gross loan - Opening	3177.50	3177.50	3177.50	3177.50
	Cumulative repayments of Loans upto previous period	264.79	529.58	794.38	1059.17
	Net loan - Opening	2912.71	2647.92	2383.13	2118.33
	Increase/ Decrease due to FERV	0.00	0.00	0.00	0.00
	Increase/ Decrease due to ACE/Drawl during the period	0.00	0.00	0.00	0.00
	Total	2912.71	2647.92	2383.13	2118.33
	Repayments of Loans during the period	264.79	264.79	264.79	264.79
	Net loan - Closing	2647.92	2383.13	2118.33	1853.54
	Average Net Loan	2780.31	2515.52	2250.73	1985.94
	Rate of Interest on Loan	7.75%	7.75%	7.75%	7.75%
	Interest on Loan Annualised	215.47	194.95	174.43	153.91
22	**Bank of Baroda II**				

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	Gross loan - Opening	2800.00	2800.00	2800.00	2800.00
	Cumulative repayments of Loans upto previous period	0.00	0.00	0.00	0.00
	Net loan - Opening	2800.00	2800.00	2800.00	2800.00
	Increase/ Decrease due to FERV	0.00	0.00	0.00	0.00
	Increase/ Decrease due to ACE/Drawl during the period	0.00	0.00	0.00	0.00
	Total	2800.00	2800.00	2800.00	2800.00
	Repayments of Loans during the period	0.00	0.00	0.00	0.00
	Net loan - Closing	2800.00	2800.00	2800.00	2800.00
	Average Net Loan	2800.00	2800.00	2800.00	2800.00
	Rate of Interest on Loan	8.15%	8.15%	8.15%	8.15%
	Interest on Loan Annualised	228.20	228.20	228.20	228.20
23	**HDFC Bank Ltd. V**				
	Gross loan - Opening	1800.00	1800.00	1800.00	1800.00
	Cumulative repayments of Loans upto previous period	200.00	400.00	600.00	800.00
	Net loan - Opening	1600.00	1400.00	1200.00	1000.00
	Increase/ Decrease due to FERV	0.00	0.00	0.00	0.00
	Increase/ Decrease due to ACE/Drawl during the period	0.00	0.00	0.00	0.00
	Total	1600.00	1400.00	1200.00	1000.00
	Repayments of Loans during the period	200.00	200.00	200.00	200.00
	Net loan - Closing	1400.00	1200.00	1000.00	800.00
	Average Net Loan	1500.00	1300.00	1100.00	900.00
	Rate of Interest on Loan	7.70%	7.70%	7.70%	7.70%
	Interest on Loan Annualised	115.50	100.10	84.70	69.30
24	**HDFC Bank Ltd. IX**				
	Gross loan - Opening	4400.00	4400.00	4400.00	4400.00
	Cumulative repayments of Loans upto previous period	366.67	733.33	1100.00	1466.67
	Net loan - Opening	4033.33	3666.67	3300.00	2933.33
	Increase/ Decrease due to FERV	0.00	0.00	0.00	0.00
	Increase/ Decrease due to ACE/Drawl during the period	0.00	0.00	0.00	0.00
	Total	4033.33	3666.67	3300.00	2933.33
	Repayments of Loans during the period	366.67	366.67	366.67	366.67
	Net loan - Closing	3666.67	3300.00	2933.33	2566.67
	Average Net Loan	3850.00	3483.33	3116.67	2750.00
	Rate of Interest on Loan	7.70%	7.70%	7.70%	7.70%
	Interest on Loan Annualised	296.45	268.22	239.98	211.75
25	**HDFC Bank Ltd. X**				
	Gross loan - Opening	1800.00	1800.00	1800.00	1800.00
	Cumulative repayments of Loans upto previous period	0.00	150.00	300.00	450.00
	Net loan - Opening	1800.00	1650.00	1500.00	1350.00
	Increase/ Decrease due to FERV	0.00	0.00	0.00	0.00
	Increase/ Decrease due to ACE/Drawl during the period	0.00	0.00	0.00	0.00
	Total	1800.00	1650.00	1500.00	1350.00
	Repayments of Loans during the period	150.00	150.00	150.00	150.00
	Net loan - Closing	1650.00	1500.00	1350.00	1200.00
	Average Net Loan	1725.00	1575.00	1425.00	1275.00
	Rate of Interest on Loan	7.70%	7.70%	7.70%	7.70%
	Interest on Loan Annualised	132.83	121.28	109.73	98.18
26	**HDFC Bank Ltd. XI**				
	Gross loan - Opening	3500.00	3500.00	3500.00	3500.00
	Cumulative repayments of Loans upto previous period	0.00	0.00	0.00	291.67
	Net loan - Opening	3500.00	3500.00	3500.00	3208.33
	Increase/ Decrease due to FERV	0.00	0.00	0.00	0.00
	Increase/ Decrease due to ACE/Drawl during the period	0.00	0.00	0.00	
	Total	3500.00	3500.00	3500.00	3208

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	Repayments of Loans during the period	0.00	0.00	291.67	291.67
	Net loan - Closing	3500.00	3500.00	3208.33	2916.67
	Average Net Loan	3500.00	3500.00	3354.17	3062.50
	Rate of Interest on Loan	7.44%	7.44%	7.44%	7.44%
	Interest on Loan Annualised	260.40	260.40	249.55	227.85
27	**HDFC Bank Ltd. XII**				
	Gross loan - Opening	13350.00	13350.00	13350.00	13350.00
	Cumulative repayments of Loans upto previous period	0.00	0.00	0.00	1112.50
	Net loan - Opening	13350.00	13350.00	13350.00	12237.50
	Increase/ Decrease due to FERV	0.00	0.00	0.00	0.00
	Increase/ Decrease due to ACE/Drawl during the period	0.00	0.00	0.00	0.00
	Total	13350.00	13350.00	13350.00	12237.50
	Repayments of Loans during the period	0.00	0.00	1112.50	1112.50
	Net loan - Closing	13350.00	13350.00	12237.50	11125.00
	Average Net Loan	13350.00	13350.00	12793.75	11681.25
	Rate of Interest on Loan	7.34%	7.34%	7.34%	7.34%
	Interest on Loan Annualised	979.89	979.89	939.06	857.40
28	**HDFC Bank Ltd. XIII**				
	Gross loan - Opening	26900.00	26900.00	26900.00	26900.00
	Cumulative repayments of Loans upto previous period	0.00	0.00	0.00	0.00
	Net loan - Opening	26900.00	26900.00	26900.00	26900.00
	Increase/ Decrease due to FERV	0.00	0.00	0.00	0.00
	Increase/ Decrease due to ACE/Drawl during the period	0.00	0.00	0.00	0.00
	Total	26900.00	26900.00	26900.00	26900.00
	Repayments of Loans during the period	0.00	0.00	0.00	0.00
	Net loan - Closing	26900.00	26900.00	26900.00	26900.00
	Average Net Loan	26900.00	26900.00	26900.00	26900.00
	Rate of Interest on Loan	7.57%	7.57%	7.57%	7.57%
	Interest on Loan Annualised	2036.33	2036.33	2036.33	2036.33
29	**ICICI-VII**				
	Gross loan - Opening	800.00	800.00	800.00	800.00
	Cumulative repayments of Loans upto previous period	66.67	133.33	200.00	266.67
	Net loan - Opening	733.33	666.67	600.00	533.33
	Increase/ Decrease due to FERV	0.00	0.00	0.00	0.00
	Increase/ Decrease due to ACE/Drawl during the period	0.00	0.00	0.00	0.00
	Total	733.33	666.67	600.00	533.33
	Repayments of Loans during the period	66.67	66.67	66.67	66.67
	Net loan - Closing	666.67	600.00	533.33	466.67
	Average Net Loan	700.00	633.33	566.67	500.00
	Rate of Interest on Loan	8.20%	8.20%	8.20%	8.20%
	Interest on Loan Annualised	57.40	51.93	46.47	41.00
30	**Indusind Bank**				
	Gross loan - Opening	400.00	400.00	400.00	400.00
	Cumulative repayments of Loans upto previous period	0.00	0.00	33.33	66.67
	Net loan - Opening	400.00	400.00	366.67	333.33
	Increase/ Decrease due to FERV	0.00	0.00	0.00	0.00
	Increase/ Decrease due to ACE/Drawl during the period	0.00	0.00	0.00	0.00
	Total	400.00	400.00	366.67	333.33
	Repayments of Loans during the period	0.00	33.33	33.33	33.33
	Net loan - Closing	400.00	366.67	333.33	300.00
	Average Net Loan	400.00	383.33	350.00	316.67
	Rate of Interest on Loan	7.95%	7.95%	7.95%	7.95%
	Interest on Loan Annualised	31.80	30.48	27.83	25.18
31	**Indusind Bank 1A**				
	Gross loan - Opening	2300.00	2300.00	2300.00	2300

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	Cumulative repayments of Loans upto previous period	0.00	0.00	191.67	383.33
	Net loan - Opening	2300.00	2300.00	2108.33	1916.67
	Increase/ Decrease due to FERV	0.00	0.00	0.00	0.00
	Increase/ Decrease due to ACE/Drawl during the period	0.00	0.00	0.00	0.00
	Total	2300.00	2300.00	2108.33	1916.67
	Repayments of Loans during the period	0.00	191.67	191.67	191.67
	Net loan - Closing	2300.00	2108.33	1916.67	1725.00
	Average Net Loan	2300.00	2204.17	2012.50	1820.83
	Rate of Interest on Loan	7.85%	7.85%	7.85%	7.85%
	Interest on Loan Annualised	180.55	173.03	157.98	142.94
32	**UCO BANK IV**				
	Gross loan - Opening	800.00	800.00	800.00	800.00
	Cumulative repayments of Loans upto previous period	0.00	0.00	66.67	133.33
	Net loan - Opening	800.00	800.00	733.33	666.67
	Increase/ Decrease due to FERV	0.00	0.00	0.00	0.00
	Increase/ Decrease due to ACE/Drawl during the period	0.00	0.00	0.00	0.00
	Total	800.00	800.00	733.33	666.67
	Repayments of Loans during the period	0.00	66.67	66.67	66.67
	Net loan - Closing	800.00	733.33	666.67	600.00
	Average Net Loan	800.00	766.67	700.00	633.33
	Rate of Interest on Loan	7.45%	7.45%	7.45%	7.45%
	Interest on Loan Annualised	59.60	57.12	52.15	47.18
	Total				
	Gross loan - Opening	179779.77	179779.77	179779.77	179779.77
	Cumulative repayments of Loans upto previous period	41698.13	46146.25	53687.38	64093.70
	Net loan - Opening	138081.65	133633.52	126092.39	115686.07
	Increase/ Decrease due to FERV	0.00	0.00	0.00	0.00
	Increase/ Decrease due to ACE/Drawl during the period	0.00	0.00	0.00	0.00
	Total	138081.65	133633.52	126092.39	115686.07
	Repayments of Loans during the period	4448.13	7541.13	10406.32	16407.07
	Net loan - Closing	133633.52	126092.39	115686.07	99279.00
	Average Net Loan	135857.58	129862.96	120889.23	107482.54
	Rate of Interest on Loan	6.65%	6.62%	6.63%	6.74%
	Interest on Loan Annualised	9039.19	8602.71	8010.47	7243.57
	Bank Of India-IV D11				
	Gross loan - Opening	1100.00	1100.00	1100.00	1100.00
	Cumulative repayments of Loans upto previous period	91.67	183.33	275.00	366.67
	Net loan - Opening	1008.33	916.67	825.00	733.33
	Increase/ Decrease due to FERV	0.00	0.00	0.00	0.00
	Increase/ Decrease due to ACE/Drawl during the period	0.00	0.00	0.00	0.00
	Total	1008.33	916.67	825.00	733.33
	Repayments of Loans during the period	91.67	91.67	91.67	91.67
	Net loan - Closing	916.67	825.00	733.33	641.67
	Average Net Loan	962.50	870.83	779.17	687.50
	Rate of Interest on Loan	7.75%	7.75%	7.75%	7.75%
	Interest on Loan Annualised	74.59	67.49	60.39	53.28
	Bank Of India-IV D11				
	Gross loan - Opening	750.00	750.00	750.00	750.00
	Cumulative repayments of Loans upto previous period	62.50	125.00	187.50	250.00
	Net loan - Opening	687.50	625.00	562.50	500.00
	Increase/ Decrease due to FERV	0.00	0.00	0.00	0.00
	Increase/ Decrease due to ACE/Drawl during the period	0.00	0.00	0.00	0.00
	Total	687.50	625.00	562.50	500.00
	Repayments of Loans during the period	62.50	62.50	62.50	62.50

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	Net loan - Closing	625.00	562.50	500.00	437.50
	Average Net Loan	656.25	593.75	531.25	468.75
	Rate of Interest on Loan	7.75%	7.75%	7.75%	7.75%
	Interest on Loan Annualised	50.86	46.02	41.17	36.33
	Bank Of India-IV D11				
	Gross loan - Opening	1327.50	1327.50	1327.50	1327.50
	Cumulative repayments of Loans upto previous period	110.63	221.25	331.88	442.50
	Net loan - Opening	1216.88	1106.25	995.63	885.00
	Increase/ Decrease due to FERV	0.00	0.00	0.00	0.00
	Increase/ Decrease due to ACE/Drawl during the period	0.00	0.00	0.00	0.00
	Total	1216.88	1106.25	995.63	885.00
	Repayments of Loans during the period	110.63	110.63	110.63	110.63
	Net loan - Closing	1106.25	995.63	885.00	774.38
	Average Net Loan	1161.56	1050.94	940.31	829.69
	Rate of Interest on Loan	7.75%	7.75%	7.75%	7.75%
	Interest on Loan Annualised	90.02	81.45	72.87	64.30
	Bank Of India-IV Total				
	Gross loan - Opening	3177.50	3177.50	3177.50	3177.50
	Cumulative repayments of Loans upto previous period	264.79	529.58	794.38	1059.17
	Net loan - Opening	2912.71	2647.92	2383.13	2118.33
	Increase/ Decrease due to FERV	0.00	0.00	0.00	0.00
	Increase/ Decrease due to ACE/Drawl during the period	0.00	0.00	0.00	0.00
	Total	2912.71	2647.92	2383.13	2118.33
	Repayments of Loans during the period	264.79	264.79	264.79	264.79
	Net loan - Closing	2647.92	2383.13	2118.33	1853.54
	Average Net Loan	2780.31	2515.52	2250.73	1985.94
	Rate of Interest on Loan	7.75%	7.75%	7.75%	7.75%
	Interest on Loan Annualised	215.47	194.95	174.43	153.91
	HDFC Bank Ltd. IX D1				
	Gross loan - Opening	1500.00	1500.00	1500.00	1500.00
	Cumulative repayments of Loans upto previous period	125.00	250.00	375.00	500.00
	Net loan - Opening	1375.00	1250.00	1125.00	1000.00
	Increase/ Decrease due to FERV	0.00	0.00	0.00	0.00
	Increase/ Decrease due to ACE/Drawl during the period	0.00	0.00	0.00	0.00
	Total	1375.00	1250.00	1125.00	1000.00
	Repayments of Loans during the period	125.00	125.00	125.00	125.00
	Net loan - Closing	1250.00	1125.00	1000.00	875.00
	Average Net Loan	1312.50	1187.50	1062.50	937.50
	Rate of Interest on Loan	7.70%	7.70%	7.70%	7.70%
	Interest on Loan Annualised	101.06	91.44	81.81	72.19
	HDFC Bank Ltd. IX D5				
	Gross loan - Opening	1500.00	1500.00	1500.00	1500.00
	Cumulative repayments of Loans upto previous period	125.00	250.00	375.00	500.00
	Net loan - Opening	1375.00	1250.00	1125.00	1000.00
	Increase/ Decrease due to FERV	0.00	0.00	0.00	0.00
	Increase/ Decrease due to ACE/Drawl during the period	0.00	0.00	0.00	0.00
	Total	1375.00	1250.00	1125.00	1000.00
	Repayments of Loans during the period	125.00	125.00	125.00	125.00
	Net loan - Closing	1250.00	1125.00	1000.00	875.00
	Average Net Loan	1312.50	1187.50	1062.50	937.50
	Rate of Interest on Loan	7.70%	7.70%	7.70%	7.70%
	Interest on Loan Annualised	101.06	91.44	81.81	72.19
	HDFC Bank Ltd. IX D8				
	Gross loan - Opening	1000.00	1000.00	1000.00	1000.00

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	Cumulative repayments of Loans upto previous period	83.33	166.67	250.00	333.33
	Net loan - Opening	916.67	833.33	750.00	666.67
	Increase/ Decrease due to FERV	0.00	0.00	0.00	0.00
	Increase/ Decrease due to ACE/Drawl during the period	0.00	0.00	0.00	0.00
	Total	916.67	833.33	750.00	666.67
	Repayments of Loans during the period	83.33	83.33	83.33	83.33
	Net loan - Closing	833.33	750.00	666.67	583.33
	Average Net Loan	875.00	791.67	708.33	625.00
	Rate of Interest on Loan	7.70%	7.70%	7.70%	7.70%
	Interest on Loan Annualised	67.38	60.96	54.54	48.13
	HDFC Bank Ltd. IX D10				
	Gross loan - Opening	400.00	400.00	400.00	400.00
	Cumulative repayments of Loans upto previous period	33.33	66.67	100.00	133.33
	Net loan - Opening	366.67	333.33	300.00	266.67
	Increase/ Decrease due to FERV	0.00	0.00	0.00	0.00
	Increase/ Decrease due to ACE/Drawl during the period	0.00	0.00	0.00	0.00
	Total	366.67	333.33	300.00	266.67
	Repayments of Loans during the period	33.33	33.33	33.33	33.33
	Net loan - Closing	333.33	300.00	266.67	233.33
	Average Net Loan	350.00	316.67	283.33	250.00
	Rate of Interest on Loan	7.70%	7.70%	7.70%	7.70%
	Interest on Loan Annualised	26.95	24.38	21.82	19.25
	HDFC Bank Ltd. IX Total				
	Gross loan - Opening	4400.00	4400.00	4400.00	4400.00
	Cumulative repayments of Loans upto previous period	366.67	733.33	1100.00	1466.67
	Net loan - Opening	4033.33	3666.67	3300.00	2933.33
	Increase/ Decrease due to FERV	0.00	0.00	0.00	0.00
	Increase/ Decrease due to ACE/Drawl during the period	0.00	0.00	0.00	0.00
	Total	4033.33	3666.67	3300.00	2933.33
	Repayments of Loans during the period	366.67	366.67	366.67	366.67
	Net loan - Closing	3666.67	3300.00	2933.33	2566.67
	Average Net Loan	3850.00	3483.33	3116.67	2750.00
	Rate of Interest on Loan	7.70%	7.70%	7.70%	7.70%
	Interest on Loan Annualised	296.45	268.22	239.98	211.75
	HDFC Bank Ltd. X D2				
	Gross loan - Opening	300.00	300.00	300.00	300.00
	Cumulative repayments of Loans upto previous period	0.00	25.00	50.00	75.00
	Net loan - Opening	300.00	275.00	250.00	225.00
	Increase/ Decrease due to FERV	0.00	0.00	0.00	0.00
	Increase/ Decrease due to ACE/Drawl during the period	0.00	0.00	0.00	0.00
	Total	300.00	275.00	250.00	225.00
	Repayments of Loans during the period	25.00	25.00	25.00	25.00
	Net loan - Closing	275.00	250.00	225.00	200.00
	Average Net Loan	287.50	262.50	237.50	212.50
	Rate of Interest on Loan	7.70%	7.70%	7.70%	7.70%
	Interest on Loan Annualised	22.14	20.21	18.29	16.36
	HDFC Bank Ltd. X D3				
	Gross loan - Opening	1500.00	1500.00	1500.00	1500.00
	Cumulative repayments of Loans upto previous period	0.00	125.00	250.00	375.00
	Net loan - Opening	1500.00	1375.00	1250.00	1125.00
	Increase/ Decrease due to FERV	0.00	0.00	0.00	0.00
	Increase/ Decrease due to ACE/Drawl during the period	0.00	0.00	0.00	0.00
	Total	1500.00	1375.00	1250.00	1125.00
	Repayments of Loans during the period	125.00	125.00	125.00	125.00

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	Net loan - Closing	1375.00	1250.00	1125.00	1000.00
	Average Net Loan	1437.50	1312.50	1187.50	1062.50
	Rate of Interest on Loan	7.70%	7.70%	7.70%	7.70%
	Interest on Loan Annualised	110.69	101.06	91.44	81.81
	HDFC Bank Ltd. X Total				
	Gross loan - Opening	1800.00	1800.00	1800.00	1800.00
	Cumulative repayments of Loans upto previous period	0.00	150.00	300.00	450.00
	Net loan - Opening	1800.00	1650.00	1500.00	1350.00
	Increase/ Decrease due to FERV	0.00	0.00	0.00	0.00
	Increase/ Decrease due to ACE/Drawl during the period	0.00	0.00	0.00	0.00
	Total	1800.00	1650.00	1500.00	1350.00
	Repayments of Loans during the period	150.00	150.00	150.00	150.00
	Net loan - Closing	1650.00	1500.00	1350.00	1200.00
	Average Net Loan	1725.00	1575.00	1425.00	1275.00
	Rate of Interest on Loan	7.70%	7.70%	7.70%	7.70%
	Interest on Loan Annualised	132.83	121.28	109.73	98.18
	HDFC Bank Ltd. XI D3				
	Gross loan - Opening	2500.00	2500.00	2500.00	2500.00
	Cumulative repayments of Loans upto previous period	0.00	0.00	0.00	208.33
	Net loan - Opening	2500.00	2500.00	2500.00	2291.67
	Increase/ Decrease due to FERV	0.00	0.00	0.00	0.00
	Increase/ Decrease due to ACE/Drawl during the period	0.00	0.00	0.00	0.00
	Total	2500.00	2500.00	2500.00	2291.67
	Repayments of Loans during the period	0.00	0.00	208.33	208.33
	Net loan - Closing	2500.00	2500.00	2291.67	2083.33
	Average Net Loan	2500.00	2500.00	2395.83	2187.50
	Rate of Interest on Loan	7.44%	7.44%	7.44%	7.44%
	Interest on Loan Annualised	186.00	186.00	178.25	162.75
	HDFC Bank Ltd. XI D4				
	Gross loan - Opening	1000.00	1000.00	1000.00	1000.00
	Cumulative repayments of Loans upto previous period	0.00	0.00	0.00	83.33
	Net loan - Opening	1000.00	1000.00	1000.00	916.67
	Increase/ Decrease due to FERV	0.00	0.00	0.00	0.00
	Increase/ Decrease due to ACE/Drawl during the period	0.00	0.00	0.00	0.00
	Total	1000.00	1000.00	1000.00	916.67
	Repayments of Loans during the period	0.00	0.00	83.33	83.33
	Net loan - Closing	1000.00	1000.00	916.67	833.33
	Average Net Loan	1000.00	1000.00	958.33	875.00
	Rate of Interest on Loan	7.44%	7.44%	7.44%	7.44%
	Interest on Loan Annualised	74.40	74.40	71.30	65.10
	HDFC Bank Ltd. XI Total				
	Gross loan - Opening	3500.00	3500.00	3500.00	3500.00
	Cumulative repayments of Loans upto previous period	0.00	0.00	0.00	291.67
	Net loan - Opening	3500.00	3500.00	3500.00	3208.33
	Increase/ Decrease due to FERV	0.00	0.00	0.00	0.00
	Increase/ Decrease due to ACE/Drawl during the period	0.00	0.00	0.00	0.00
	Total	3500.00	3500.00	3500.00	3208.33
	Repayments of Loans during the period	0.00	0.00	291.67	291.67
	Net loan - Closing	3500.00	3500.00	3208.33	2916.67
	Average Net Loan	3500.00	3500.00	3354.17	3062.50
	Rate of Interest on Loan	7.44%	7.44%	7.44%	7.44%
	Interest on Loan Annualised	260.40	260.40	249.55	227.85

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	HDFC Bank Ltd. XII D1				
	Gross loan - Opening	900.00	900.00	900.00	900.00
	Cumulative repayments of Loans upto previous period	0.00	0.00	0.00	75.00
	Net loan - Opening	900.00	900.00	900.00	825.00
	Increase/ Decrease due to FERV	0.00	0.00	0.00	0.00
	Increase/ Decrease due to ACE/Drawl during the period	0.00	0.00	0.00	0.00
	Total	900.00	900.00	900.00	825.00
	Repayments of Loans during the period	0.00	0.00	75.00	75.00
	Net loan - Closing	900.00	900.00	825.00	750.00
	Average Net Loan	900.00	900.00	862.50	787.50
	Rate of Interest on Loan	7.34%	7.34%	7.34%	7.34%
	Interest on Loan Annualised	66.06	66.06	63.31	57.80
	HDFC Bank Ltd. XII D2				
	Gross loan - Opening	4300.00	4300.00	4300.00	4300.00
	Cumulative repayments of Loans upto previous period	0.00	0.00	0.00	358.33
	Net loan - Opening	4300.00	4300.00	4300.00	3941.67
	Increase/ Decrease due to FERV	0.00	0.00	0.00	0.00
	Increase/ Decrease due to ACE/Drawl during the period	0.00	0.00	0.00	0.00
	Total	4300.00	4300.00	4300.00	3941.67
	Repayments of Loans during the period	0.00	0.00	358.33	358.33
	Net loan - Closing	4300.00	4300.00	3941.67	3583.33
	Average Net Loan	4300.00	4300.00	4120.83	3762.50
	Rate of Interest on Loan	7.34%	7.34%	7.34%	7.34%
	Interest on Loan Annualised	315.62	315.62	302.47	276.17
	HDFC Bank Ltd. XII D3				
	Gross loan - Opening	1400.00	1400.00	1400.00	1400.00
	Cumulative repayments of Loans upto previous period	0.00	0.00	0.00	116.67
	Net loan - Opening	1400.00	1400.00	1400.00	1283.33
	Increase/ Decrease due to FERV	0.00	0.00	0.00	0.00
	Increase/ Decrease due to ACE/Drawl during the period	0.00	0.00	0.00	0.00
	Total	1400.00	1400.00	1400.00	1283.33
	Repayments of Loans during the period	0.00	0.00	116.67	116.67
	Net loan - Closing	1400.00	1400.00	1283.33	1166.67
	Average Net Loan	1400.00	1400.00	1341.67	1225.00
	Rate of Interest on Loan	7.34%	7.34%	7.34%	7.34%
	Interest on Loan Annualised	102.76	102.76	98.48	89.92
	HDFC Bank Ltd. XII D4				
	Gross loan - Opening	350.00	350.00	350.00	350.00
	Cumulative repayments of Loans upto previous period	0.00	0.00	0.00	29.17
	Net loan - Opening	350.00	350.00	350.00	320.83
	Increase/ Decrease due to FERV	0.00	0.00	0.00	0.00
	Increase/ Decrease due to ACE/Drawl during the period	0.00	0.00	0.00	0.00
	Total	350.00	350.00	350.00	320.83
	Repayments of Loans during the period	0.00	0.00	29.17	29.17
	Net loan - Closing	350.00	350.00	320.83	291.67
	Average Net Loan	350.00	350.00	335.42	306.25
	Rate of Interest on Loan	7.34%	7.34%	7.34%	7.34%
	Interest on Loan Annualised	25.69	25.69	24.62	22.48
	HDFC Bank Ltd. XII D6				
	Gross loan - Opening	3000.00	3000.00	3000.00	3000.00
	Cumulative repayments of Loans upto previous period	0.00	0.00	0.00	250.00
	Net loan - Opening	3000.00	3000.00	3000.00	2750.00
	Increase/ Decrease due to FERV	0.00	0.00	0.00	0.00
	Increase/ Decrease due to ACE/Drawl during the period	0.00	0.00	0.00	0.00

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	Total	3000.00	3000.00	3000.00	2750.00
	Repayments of Loans during the period	0.00	0.00	250.00	250.00
	Net loan - Closing	3000.00	3000.00	2750.00	2500.00
	Average Net Loan	3000.00	3000.00	2875.00	2625.00
	Rate of Interest on Loan	7.34%	7.34%	7.34%	7.34%
	Interest on Loan Annualised	220.20	220.20	211.03	192.68
	HDFC Bank Ltd. XII D7				
	Gross loan - Opening	3400.00	3400.00	3400.00	3400.00
	Cumulative repayments of Loans upto previous period	0.00	0.00	0.00	283.33
	Net loan - Opening	3400.00	3400.00	3400.00	3116.67
	Increase/ Decrease due to FERV	0.00	0.00	0.00	0.00
	Increase/ Decrease due to ACE/Drawl during the period	0.00	0.00	0.00	0.00
	Total	3400.00	3400.00	3400.00	3116.67
	Repayments of Loans during the period	0.00	0.00	283.33	283.33
	Net loan - Closing	3400.00	3400.00	3116.67	2833.33
	Average Net Loan	3400.00	3400.00	3258.33	2975.00
	Rate of Interest on Loan	7.34%	7.34%	7.34%	7.34%
	Interest on Loan Annualised	249.56	249.56	239.16	218.37
	HDFC Bank Ltd. XII Total				
	Gross loan - Opening	13350.00	13350.00	13350.00	13350.00
	Cumulative repayments of Loans upto previous period	0.00	0.00	0.00	1112.50
	Net loan - Opening	13350.00	13350.00	13350.00	12237.50
	Increase/ Decrease due to FERV	0.00	0.00	0.00	0.00
	Increase/ Decrease due to ACE/Drawl during the period	0.00	0.00	0.00	0.00
	Total	13350.00	13350.00	13350.00	12237.50
	Repayments of Loans during the period	0.00	0.00	1112.50	1112.50
	Net loan - Closing	13350.00	13350.00	12237.50	11125.00
	Average Net Loan	13350.00	13350.00	12793.75	11681.25
	Rate of Interest on Loan	7.34%	7.34%	7.34%	7.34%
	Interest on Loan Annualised	979.89	979.89	939.06	857.40
	HDFC Bank Ltd. XIII D1				
	Gross loan - Opening	4600.00	4600.00	4600.00	4600.00
	Cumulative repayments of Loans upto previous period	0.00	0.00	0.00	0.00
	Net loan - Opening	4600.00	4600.00	4600.00	4600.00
	Increase/ Decrease due to FERV	0.00	0.00	0.00	0.00
	Increase/ Decrease due to ACE/Drawl during the period	0.00	0.00	0.00	0.00
	Total	4600.00	4600.00	4600.00	4600.00
	Repayments of Loans during the period	0.00	0.00	0.00	0.00
	Net loan - Closing	4600.00	4600.00	4600.00	4600.00
	Average Net Loan	4600.00	4600.00	4600.00	4600.00
	Rate of Interest on Loan	7.57%	7.57%	7.57%	7.57%
	Interest on Loan Annualised	348.22	348.22	348.22	348.22
	HDFC Bank Ltd. XIII D2				
	Gross loan - Opening	2700.00	2700.00	2700.00	2700.00
	Cumulative repayments of Loans upto previous period	0.00	0.00	0.00	0.00
	Net loan - Opening	2700.00	2700.00	2700.00	2700.00
	Increase/ Decrease due to FERV	0.00	0.00	0.00	0.00
	Increase/ Decrease due to ACE/Drawl during the period	0.00	0.00	0.00	0.00
	Total	2700.00	2700.00	2700.00	2700.00
	Repayments of Loans during the period	0.00	0.00	0.00	0.00
	Net loan - Closing	2700.00	2700.00	2700.00	2700.00
	Average Net Loan	2700.00	2700.00	2700.00	2700.00
	Rate of Interest on Loan	7.57%	7.57%	7.57%	7.57%
	Interest on Loan Annualised	204.39	204.39	204.39	204.39

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	HDFC Bank Ltd. XIII D3				
	Gross loan - Opening	200.00	200.00	200.00	200.00
	Cumulative repayments of Loans upto previous period	0.00	0.00	0.00	0.00
	Net loan - Opening	200.00	200.00	200.00	200.00
	Increase/ Decrease due to FERV	0.00	0.00	0.00	0.00
	Increase/ Decrease due to ACE/Drawl during the period	0.00	0.00	0.00	0.00
	Total	200.00	200.00	200.00	200.00
	Repayments of Loans during the period	0.00	0.00	0.00	0.00
	Net loan - Closing	200.00	200.00	200.00	200.00
	Average Net Loan	200.00	200.00	200.00	200.00
	Rate of Interest on Loan	7.57%	7.57%	7.57%	7.57%
	Interest on Loan Annualised	15.14	15.14	15.14	15.14
	HDFC Bank Ltd. XIII D4				
	Gross loan - Opening	4500.00	4500.00	4500.00	4500.00
	Cumulative repayments of Loans upto previous period	0.00	0.00	0.00	0.00
	Net loan - Opening	4500.00	4500.00	4500.00	4500.00
	Increase/ Decrease due to FERV	0.00	0.00	0.00	0.00
	Increase/ Decrease due to ACE/Drawl during the period	0.00	0.00	0.00	0.00
	Total	4500.00	4500.00	4500.00	4500.00
	Repayments of Loans during the period	0.00	0.00	0.00	0.00
	Net loan - Closing	4500.00	4500.00	4500.00	4500.00
	Average Net Loan	4500.00	4500.00	4500.00	4500.00
	Rate of Interest on Loan	7.57%	7.57%	7.57%	7.57%
	Interest on Loan Annualised	340.65	340.65	340.65	340.65
	HDFC Bank Ltd. XIII D7				
	Gross loan - Opening	10000.00	10000.00	10000.00	10000.00
	Cumulative repayments of Loans upto previous period	0.00	0.00	0.00	0.00
	Net loan - Opening	10000.00	10000.00	10000.00	10000.00
	Increase/ Decrease due to FERV	0.00	0.00	0.00	0.00
	Increase/ Decrease due to ACE/Drawl during the period	0.00	0.00	0.00	0.00
	Total	10000.00	10000.00	10000.00	10000.00
	Repayments of Loans during the period	0.00	0.00	0.00	0.00
	Net loan - Closing	10000.00	10000.00	10000.00	10000.00
	Average Net Loan	10000.00	10000.00	10000.00	10000.00
	Rate of Interest on Loan	7.57%	7.57%	7.57%	7.57%
	Interest on Loan Annualised	757.00	757.00	757.00	757.00
	HDFC Bank Ltd. XIII D8				
	Gross loan - Opening	4900.00	4900.00	4900.00	4900.00
	Cumulative repayments of Loans upto previous period	0.00	0.00	0.00	0.00
	Net loan - Opening	4900.00	4900.00	4900.00	4900.00
	Increase/ Decrease due to FERV	0.00	0.00	0.00	0.00
	Increase/ Decrease due to ACE/Drawl during the period	0.00	0.00	0.00	0.00
	Total	4900.00	4900.00	4900.00	4900.00
	Repayments of Loans during the period	0.00	0.00	0.00	0.00
	Net loan - Closing	4900.00	4900.00	4900.00	4900.00
	Average Net Loan	4900.00	4900.00	4900.00	4900.00
	Rate of Interest on Loan	7.57%	7.57%	7.57%	7.57%
	Interest on Loan Annualised	370.93	370.93	370.93	370.93
	HDFC Bank Ltd. XIII Total				
	Gross loan - Opening	26900.00	26900.00	26900.00	26900.00
	Cumulative repayments of Loans upto previous period	0.00	0.00	0.00	0.00
	Net loan - Opening	26900.00	26900.00	26900.00	26900.00
	Increase/ Decrease due to FERV	0.00	0.00	0.00	0.00

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	Increase/ Decrease due to ACE/Drawl during the period	0.00	0.00	0.00	0.00
	Total	26900.00	26900.00	26900.00	26900.00
	Repayments of Loans during the period	0.00	0.00	0.00	0.00
	Net loan - Closing	26900.00	26900.00	26900.00	26900.00
	Average Net Loan	26900.00	26900.00	26900.00	26900.00
	Rate of Interest on Loan	7.57%	7.57%	7.57%	7.57%
	Interest on Loan Annualised	2036.33	2036.33	2036.33	2036.33

(Petitioner)

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Location: NTPC Limited

Form 14

Name of the Company: NTPC Ltd
Name of the mine: Kerandari CMP

Draw Down Schedule for Calculation of IDC & Financing Charges

Name of the Loans/Bonds	Budget/Bonds/IF	Description	2021-22 (01-JUL-21 - 30-SEP-21)	2021-22 (01-OCT-21 - 31-DEC-21)	2021-22 (01-JAN-22 - 31-MAR-22)	2021-22	2022-23 (01-APR-22 - 30-JUN-22)
Name of the Loans/Bonds		Description	Q2	Q3	Q4	Total	Q1
EURO Loan-I Drawl I	IF	Drawl Amount	33,30,00,019			333000019.3	
	IF	Interest Debit	9,99,050	7,41,582	7,61,021	2501653.412	7,08,271
	IF	Interest Credit	10,09,302			10,09,302	
	IF	Witholding Tax	17,292	13,239	13,167	43697.93823	12,999
	IF	Adj. Amount				0	
	IF	Net Charges	7,041	7,54,821	7,74,188	1536049.423	7,21,270
	IF	Financial charges	86,05,948	-	-	8605947.793	
	IF						
EURO Loan-I Drawl II	IF	Drawl Amount	12,09,00,000			120900000	
	IF	Interest Debit	1,62,918	2,81,141	2,82,271	726330.5307	2,62,706
	IF	Interest Credit	1,74,733			174732.729	
	IF	Witholding Tax	2,820	4,747	4,749	12315.66484	4,688
	IF	Adj. Amount				0	
	IF	Net Charges	- 8,995	2,85,888	2,87,020	563913.4666	2,67,394
	IF	Financial charges	30,90,258	-	-	3090258.005	
	IF						
EURO Loan-I Drawl III	IF	Drawl Amount		11,00,00,000		110000000	
	IF	Interest Debit		2,91,234	2,59,392	550626.1101	2,41,412
	IF	Interest Credit		6,00,080		600080	
	IF	Witholding Tax		4,936	4,385	9320.517828	4,167
	IF	Adj. Amount				0	
	IF	Net Charges		- 3,03,910	2,63,777	-40133.37208	2,45,579
	IF	Financial charges		28,30,570	-	2830569.998	
	IF						
USD 750 Million Drawl I	IF	Drawl Amount				0	27,00,00,000
	IF	Interest Debit				0	8,23,297
	IF	Interest Credit				0	8,32,854
	IF	Witholding Tax				0	6,054
	IF	Adj. Amount				0	
	IF	Net Charges				0	- 3,503
	IF	Financial charges				0	49,41,360
	IF						
USD 750 Million Drawl II	IF	Drawl Amount				0	
	IF	Interest Debit				0	
	IF	Interest Credit				0	
	IF	Witholding Tax				0	
	IF	Adj. Amount				0	
	IF	Net Charges				0	
	IF	Financial charges				0	
	IF						
USD 750 Million Drawl III	IF	Drawl Amount				0	
	IF	Interest Debit				0	
	IF	Interest Credit				0	

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Name of the Loans/Bonds	Budget/Bonds/IF	Description	2021-22 (01-JUL-21 - 30-SEP-21)	2021-22 (01-OCT-21 - 31-DEC-21)	2021-22 (01-JAN-22 - 31-MAR-22)	2021-22	2022-23 (01-APR-22 - 30-JUN-22)
Name of the Loans/Bonds		Description	Q2	Q3	Q4	Total	Q1
	IF	Witholding Tax				0	
	IF	Adj. Amount				0	
	IF	Net Charges				0	
	IF	Financial charges				0	
	IF						
USD 750 Million Drawl IV	IF	Drawl Amount				0	
	IF	Interest Debit				0	
	IF	Interest Credit				0	
	IF	Witholding Tax				0	
	IF	Adj. Amount				0	
	IF	Net Charges				0	
	IF	Financial charges				0	
	IF						
USD 750 Million Drawl V	IF	Drawl Amount				0	
	IF	Interest Debit				0	
	IF	Interest Credit				0	
	IF	Witholding Tax				0	
	IF	Adj. Amount				0	
	IF	Net Charges				0	
	IF	Financial charges				0	
	IF						
USD 750 Million Drawl VI	IF	Drawl Amount				0	
	IF	Interest Debit				0	
	IF	Interest Credit				0	
	IF	Witholding Tax				0	
	IF	Adj. Amount				0	
	IF	Net Charges				0	
	IF	Financial charges				0	
	IF						
JPY Equ. $400 Million Drawl I	IF	Drawl Amount				0	
	IF	Interest Debit				0	
	IF	Interest Credit				0	
	IF	Witholding Tax				0	
	IF	Adj. Amount				0	
	IF	Net Charges				0	
	IF	Financial charges				0	
	IF						
JPY Equ. $400 Million Drawl II	IF	Drawl Amount				0	
	IF	Interest Debit				0	
	IF	Interest Credit				0	
	IF	Witholding Tax				0	
	IF	Adj. Amount				0	
	IF	Net Charges				0	
	IF	Financial charges				0	
	IF						
JPY Equ. $400 Million Drawl III	IF	Drawl Amount				0	
	IF	Interest Debit				0	

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Name of the Loans/Bonds	Budget/Bonds/IF	Description	2021-22 (01-JUL-21 - 30-SEP-21)	2021-22 (01-OCT-21 - 31-DEC-21)	2021-22 (01-JAN-22 - 31-MAR-22)	2021-22	2022-23 (01-APR-22 - 30-JUN-22)
Name of the Loans/Bonds		Description	Q2	Q3	Q4	Total	Q1
	IF	Interest Credit				0	
	IF	Witholding Tax				0	
	IF	Adj. Amount				0	
	IF	Net Charges				0	
	IF	Financial charges				0	
	IF						
JPY Equ. $400 Million Drawl IV	IF	Drawl Amount				0	
	IF	Interest Debit				0	
	IF	Interest Credit				0	
	IF	Witholding Tax				0	
	IF	Adj. Amount				0	
	IF	Net Charges				0	
	IF	Financial charges				0	
73	Bonds	Drawl Amount				0	
	Bonds	Interest Debit	11912235.61	11912235.62	11653273.97	47260500	11782754.8
	Bonds	Interest Credit	0	0	0	0	0
	Bonds	Adj. Amount	0	0	0	0	0
	Bonds	Net Charges	11912235.61	11912235.62	11653273.97	47260500	11782754.8
	Bonds	Financial Charges	19537.43	551.93	13.6	35679.1	29749.46
	Bonds						
75	Bonds	Drawl Amount	16500000			16500000	
	Bonds	Interest Debit	37787.26	216200.99	265527.75	519516	275206.41
	Bonds	Interest Credit	0	0	0	0	0
	Bonds	Adj. Amount	0	0	0	0	0
	Bonds	Net Charges	37787.26	216200.99	265527.75	519516	275206.41
	Bonds	Financial Charges	1106.42	7.3	1.97	1115.69	667.86
	Bonds						
76	Bonds	Drawl Amount		140000000		140000000	
	Bonds	Interest Debit		0	1704212.96	1704212.96	2331863.827
	Bonds	Interest Credit		0	0	0	0
	Bonds	Adj. Amount		0	0	0	0
	Bonds	Net Charges		0	1704212.96	1704212.96	2331863.827
	Bonds	Financial Charges		14428.93617	2561.97	16990.90617	6433.97
	Bonds						
78	Bonds	Drawl Amount				0	
	Bonds	Interest Debit				0	
	Bonds	Interest Credit				0	
	Bonds	Adj. Amount				0	
	Bonds	Net Charges				0	
	Bonds	Financial Charges				0	
	Bonds						
82	Bonds	Drawl Amount				0	
	Bonds	Interest Debit				0	
	Bonds	Interest Credit				0	
	Bonds	Adj. Amount				0	
	Bonds	Net Charges				0	

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Date: 2025.06.29 14:23:24 IST
Reason: AGM(Commercial)
Location: NTPC Limited

Name of the Loans/Bonds	Budget/Bonds/IF	Description	2021-22 (01-JUL-21 - 30-SEP-21)	2021-22 (01-OCT-21 - 31-DEC-21)	2021-22 (01-JAN-22 - 31-MAR-22)	2021-22	2022-23 (01-APR-22 - 30-JUN-22)
Name of the Loans/Bonds		Description	Q2	Q3	Q4	Total	Q1
	Bonds	Financial Charges				0	
Axis Bank-II	Budget	Drawl Amount				0	
	Budget	Interest Debit	53990137	53990137	52816438	214200000	54809863
	Budget	Interest Credit				0	
	Budget	Adj. Amount				0	
	Budget	Net Charges	53990137	53990137	52816438	214200000	54809863
	Budget	Financial charges				0	
	Budget						
Axis Bank-IV	Budget	Drawl Amount				0	
	Budget	Interest Debit				0	
	Budget	Interest Credit				0	
	Budget	Adj. Amount				0	
	Budget	Net Charges				0	
	Budget	Financial charges				0	
	Budget						
BANK OF INDIA IV	Budget	Drawl Amount				0	
	Budget	Interest Debit				0	
	Budget	Interest Credit				0	
	Budget	Adj. Amount				0	
	Budget	Net Charges				0	
	Budget	Financial charges				0	
	Budget						
BANK OF BARODA II	Budget	Drawl Amount				0	
	Budget	Interest Debit				0	
	Budget	Interest Credit				0	
	Budget	Adj. Amount				0	
	Budget	Net Charges				0	
	Budget	Financial charges				0	
	Budget						
HDFC-V	Budget	Drawl Amount				0	
	Budget	Interest Debit				0	
	Budget	Interest Credit				0	
	Budget	Adj. Amount				0	
	Budget	Net Charges				0	
	Budget	Financial charges				0	
	Budget						
HDFC-IX	Budget	Drawl Amount				0	
	Budget	Interest Debit	6598794	6598795	6455344	26180002	6752495
	Budget	Interest Credit				0	
	Budget	Adj. Amount				0	
	Budget	Net Charges	6598794	6598795	6455344	26180002	6752495
	Budget	Financial charges				0	
	Budget						
HDFC-X	Budget	Drawl Amount			30000000	30000000	150000000
	Budget	Interest Debit			52710	52710	1948545
	Budget	Interest Credit				0	

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Date: 2025.06.29 14:23:24 IST
Reason: AGM(Commercial)
Location: NTPC Limited

Name of the Loans/Bonds	Budget/Bonds/IF	Description	2021-22 (01-JUL-21 - 30-SEP-21)	2021-22 (01-OCT-21 - 31-DEC-21)	2021-22 (01-JAN-22 - 31-MAR-22)	2021-22	2022-23 (01-APR-22 - 30-JUN-22)
Name of the Loans/Bonds		Description	Q2	Q3	Q4	Total	Q1
	Budget	Adj. Amount				0	
	Budget	Net Charges			52710	52710	1948545
	Budget	Financial charges				0	
	Budget						
HDFC-XI	Budget	Drawl Amount				0	
	Budget	Interest Debit				0	
	Budget	Interest Credit				0	
	Budget	Adj. Amount				0	
	Budget	Net Charges				0	
	Budget	Financial charges				0	
	Budget						
HDFC-XII	Budget	Drawl Amount				0	
	Budget	Interest Debit				0	
	Budget	Interest Credit				0	
	Budget	Adj. Amount				0	
	Budget	Net Charges				0	
	Budget	Financial charges				0	
	Budget						
HDFC-XIII	Budget	Drawl Amount				0	
	Budget	Interest Debit				0	
	Budget	Interest Credit				0	
	Budget	Adj. Amount				0	
	Budget	Net Charges				0	
	Budget	Financial charges				0	
	Budget						
ICICI VII	Budget	Drawl Amount				0	
	Budget	Interest Debit				0	
	Budget	Interest Credit				0	
	Budget	Adj. Amount				0	
	Budget	Net Charges				0	
	Budget	Financial charges				0	
	Budget						
IndusInd Bank	Budget	Drawl Amount				0	
	Budget	Interest Debit				0	
	Budget	Interest Credit				0	
	Budget	Adj. Amount				0	
	Budget	Net Charges				0	
	Budget	Financial charges				0	
	Budget						
IndusInd Bank-1A	Budget	Drawl Amount				0	
	Budget	Interest Debit				0	
	Budget	Interest Credit				0	
	Budget	Adj. Amount				0	
	Budget	Net Charges				0	
	Budget	Financial charges				0	
	Budget						
UCO Bank-IV	Budget	Drawl Amount				0	

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Reason: AGM(Commercial)
Location: NTPC Limited

Name of the Loans/Bonds	Budget/Bonds/IF	Description	2021-22 (01-JUL-21 - 30-SEP-21)	2021-22 (01-OCT-21 - 31-DEC-21)	2021-22 (01-JAN-22 - 31-MAR-22)	2021-22	2022-23 (01-APR-22 - 30-JUN-22)
Name of the Loans/Bonds		Description	Q2	Q3	Q4	Total	Q1
	Budget	Interest Debit				0	
	Budget	Interest Credit				0	
	Budget	Adj. Amount				0	
	Budget	Net Charges				0	
	Budget	Financial charges				0	
IF		Drawl Amount	453900019.3	110000000	0	563900019.3	270000000
BOND		Drawl Amount	16500000	140000000	0	156500000	0
BUDGET		Drawl Amount	0	0	30000000	30000000	150000000
		Total Drawl	470400019.3	250000000	30000000	750400019.3	420000000

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Reason: AGM(Commercial)
Location: NTPC Limited

Form 14

Name of the Company: NTPC Ltd
Name of the mine: Kerandari CMP

Draw Down Schedule for Calculation of IDC & Financing Charges

Name of the Loans/Bonds	Budget/Bonds/IF	2022-23 (01-JUL-22 - 30-SEP-22)	2022-23 (01-OCT-22 - 31-DEC-22)	2022-23 (01-JAN-23 - 31-MAR-23)	2022-23	2023-24 (01-APR-23 - 30-JUN-23)	2023-24 (01-JUL-23 - 30-SEP-23)	2023-24 (01-OCT-23 - 31-DEC-23)
Name of the Loans/Bonds		Q2	Q3	Q4	Total	Q1	Q2	Q3
EURO Loan-I Drawl I	IF				0			
	IF	7,30,319	14,14,744	28,58,058	5711392	30,44,925	39,69,107	42,08,246
	IF				0			
	IF	12,620	24,845	49,438	99902	54,722	68,631	75,020
	IF				0			
	IF	7,42,939	14,39,589	29,07,496	5811294	30,99,646	40,37,738	42,83,266
	IF	-			-			
	IF							
EURO Loan-I Drawl II	IF				0			
	IF	2,70,884	5,24,744	10,60,086	2118420	11,29,397	14,72,187	15,60,886
	IF				0			
	IF	4,551	9,094	17,991	36324	19,914	24,976	27,301
	IF				0			
	IF	2,75,435	5,33,838	10,78,077	2154744	11,49,311	14,97,163	15,88,187
	IF	-			-			
	IF							
EURO Loan-I Drawl III	IF				0			
	IF	2,48,927	4,82,212	9,74,162	1946713	10,37,855	13,52,860	14,34,370
	IF				0			
	IF	4,183	8,204	16,349	32903	18,096	22,696	24,809
	IF				0			
	IF	2,53,110	4,90,416	9,90,511	1979616	10,55,951	13,75,556	14,59,179
	IF	-			-			
	IF							
USD 750 Million Drawl I	IF				270000000			
	IF	27,38,989	39,13,188	41,28,568	11604042	44,60,306	47,94,315	48,81,257
	IF	4,13,849			1246702.749			
	IF	20,451	29,476	31,013	86994	33,984	36,069	37,258
	IF				0			
	IF	23,45,591	39,42,664	41,59,581	10444333.25	44,94,290	48,30,384	49,18,515
	IF				49,41,360			
	IF							
USD 750 Million Drawl II	IF	26,00,00,081			260000081			
	IF	17,82,800	35,98,603	37,90,922	9172325	40,95,530	44,02,223	44,82,055
	IF	8,20,501			820501			
	IF	13,307	27,103	28,477	68887	31,205	33,119	34,210
	IF				0			
	IF	9,75,606	36,25,706	38,19,399	8420711	41,26,735	44,35,342	45,16,265
	IF	45,37,242			45,37,242			
	IF							
USD 750 Million Drawl III	IF		44,00,00,000		440000000			
	IF		62,02,391	[illegible]	12483973	67,86,319	72,94,511	74,26,793
	IF		2,57,385		257384.8895			

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Reason: AGM(Commercial)
Location: NTPC Limited

Name of the Loans/Bonds	Budget/Bonds/IF	2022-23 (01-JUL-22 - 30-SEP-22)	2022-23 (01-OCT-22 - 31-DEC-22)	2022-23 (01-JAN-23 - 31-MAR-23)	2022-23	2023-24 (01-APR-23 - 30-JUN-23)	2023-24 (01-JUL-23 - 30-SEP-23)	2023-24 (01-OCT-23 - 31-DEC-23)
Name of the Loans/Bonds		Q2	Q3	Q4	Total	Q1	Q2	Q3
	IF		46,606	47,186	93792	51,706	54,879	56,687
	IF				0			
	IF		59,91,612	63,28,768	12320380.11	68,38,025	73,49,390	74,83,480
	IF		75,18,238		75,18,238			
	IF							
USD 750 Million Drawl IV	IF		20,00,00,000		200000000			
	IF		16,99,093	28,50,065	4549158	30,60,456	32,80,064	33,39,546
	IF		4,26,018		426018.3842			
	IF		12,767	21,412	34179	23,295	24,677	25,490
	IF				0			
	IF		12,85,842	28,71,477	4157318.616	30,83,751	33,04,741	33,65,036
	IF		33,80,665		33,80,665			
	IF							
USD 750 Million Drawl V	IF		37,00,00,000		370000000			
	IF		2,18,136	56,55,188	5873324	56,76,790	60,47,977	61,57,653
	IF		1,06,528	5,21,893	628420.623			
	IF		1,639	42,494	44133	43,072	45,501	47,000
	IF				0			
	IF		1,13,247	51,75,789	5289036.377	57,19,863	60,93,477	62,04,653
	IF		62,33,472		62,33,472			
	IF							
USD 750 Million Drawl VI	IF			29,99,95,906	299995906			
	IF			25,42,609	2542609	46,49,935	49,21,342	50,10,587
	IF			12,48,743	1248743.44	14,397		
	IF			19,109	19109	35,166	37,025	38,245
	IF				0			
	IF			13,12,975	1312974.56	46,70,703	49,58,366	50,48,832
	IF			50,72,283	50,72,283			
	IF							
JPY Equ. $400 Million Drawl I	IF				0	29,24,99,992		
	IF				0	4,24,563	8,08,525	8,05,280
	IF				0	11,48,346	7,657	
	IF				0			
	IF				0			
	IF				0	- 7,23,783	8,00,868	8,05,280
	IF				-	47,85,537		
	IF							
JPY Equ. $400 Million Drawl II	IF				0		23,00,00,000	
	IF				0		4,99,487	6,67,815
	IF				0		94,238	
	IF				0			
	IF				0			
	IF				0		4,05,248	6,67,815
	IF						37,99,209	
	IF							
JPY Equ. $400 Million Drawl III	IF				0			15,00,00,000
	IF				0			4,94,165

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Reason: AGM(Commercial)
Location: NTPC Limited

Name of the Loans/Bonds	Budget/Bonds/IF	2022-23 (01-JUL-22 - 30-SEP-22)	2022-23 (01-OCT-22 - 31-DEC-22)	2022-23 (01-JAN-23 - 31-MAR-23)	2022-23	2023-24 (01-APR-23 - 30-JUN-23)	2023-24 (01-JUL-23 - 30-SEP-23)	2023-24 (01-OCT-23 - 31-DEC-23)
Name of the Loans/Bonds		Q2	Q3	Q4	Total	Q1	Q2	Q3
	IF				0			2,02,527
	IF				0			
	IF				0			
	IF				0			2,91,638
	IF				-			24,48,563
	IF							
JPY Equ. $400 Million Drawl IV	IF				0			
	IF				0			
	IF				0			
	IF				0			
	IF				0			
	IF				0			
	IF				-			
73	Bonds				0			
	Bonds	11912235.61	11912235.67	11653273.92	47260500	11782754.8	11912235.61	11912235.62
	Bonds	0	0	0	0	0	0	0
	Bonds	0	0	0	0	0	0	0
	Bonds	11912235.61	11912235.67	11653273.92	47260500	11782754.8	11912235.61	11912235.62
	Bonds	31.97	563.14	5141.49	35486.06	31082.42	5493.17	630.05
	Bonds							
75	Bonds				0			
	Bonds	278230.69	278230.68	272182.22	1103850	275206.43	278230.69	278230.68
	Bonds	0	0	0	0	0	0	0
	Bonds	0	0	0	0	0	0	0
	Bonds	278230.69	278230.68	272182.22	1103850	275206.43	278230.69	278230.68
	Bonds	0.6	12.11	115.71	796.28	696.58	123.61	14.44
	Bonds							
76	Bonds				0			
	Bonds	2378389.04	2378389.04	2326684.93	9415326.837	2352536.99	2378389.04	2378389.04
	Bonds	0	0	0	0	0	0	0
	Bonds	0	0	0	0	0	0	0
	Bonds	2378389.04	2378389.04	2326684.93	9415326.837	2352536.99	2378389.04	2378389.04
	Bonds	567.01	1385.5	982.25	9368.73	8194.01	1049.24	122.93
	Bonds							
78	Bonds	190000000			190000000			
	Bonds	982064.5	3531147.94	3485589.08	7998801.52	3524317.81	3563046.57	3563046.58
	Bonds	0	0	0	0	0	0	0
	Bonds	0	0	0	0	0	0	0
	Bonds	982064.5	3531147.94	3485589.08	7998801.52	3524317.81	3563046.57	3563046.58
	Bonds	10964.46	1582.19	880.49	13427.14	11116.85	1420.88	163.75
	Bonds							
82	Bonds				0			
	Bonds				0			
	Bonds				0			
	Bonds				0			
	Bonds				0			

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Date: 2025.06.29 14:23:24 IST
Reason: AGM(Commercial)
Location: NTPC Limited

Name of the Loans/Bonds	Budget/Bonds/IF	2022-23 (01-JUL-22 - 30-SEP-22)	2022-23 (01-OCT-22 - 31-DEC-22)	2022-23 (01-JAN-23 - 31-MAR-23)	2022-23	2023-24 (01-APR-23 - 30-JUN-23)	2023-24 (01-JUL-23 - 30-SEP-23)	2023-24 (01-OCT-23 - 31-DEC-23)
Name of the Loans/Bonds		Q2	Q3	Q4	Total	Q1	Q2	Q3
	Bonds				0			
Axis Bank-II	Budget				0			
	Budget	63286575	66174247	64687309	248957994			
	Budget				0			
	Budget				0			
	Budget	63286575	66174247	64687309	248957994			
	Budget				0			
	Budget							
Axis Bank-IV	Budget			3400000000	3400000000			
	Budget			2235616	2235616	67813699	68558904	68558904
	Budget				0			
	Budget				0			
	Budget			2235616	2235616	67813699	68558904	68558904
	Budget				0			
	Budget							
BANK OF INDIA IV	Budget				0	110000000		
	Budget				0	1567123	2218082	2218083
	Budget				0			
	Budget				0			
	Budget				0	1567123	2218082	2218083
	Budget				0			
	Budget							
BANK OF BARODA II	Budget				0			
	Budget				0			
	Budget				0			
	Budget				0			
	Budget				0			
	Budget				0			
	Budget							
HDFC-V	Budget			180000000	180000000			
	Budget			79003	79003	3585748	3606904	3606905
	Budget				0			
	Budget				0			
	Budget			79003	79003	3585748	3606904	3606905
	Budget				0			
	Budget							
HDFC-IX	Budget				0			
	Budget	7825972	8601096	8647627	31827190	8765161	8816877	8816877
	Budget				0			
	Budget				0			
	Budget	7825972	8601096	8647627	31827190	8765161	8816877	8816877
	Budget				0			
	Budget							
HDFC-X	Budget				150000000			
	Budget	3013939	3373940	3148521	11821667	3585748	3606904	3606905
	Budget				0			

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Date: 2025.06.25 14:23:24 IST
Reason: AGM(Commercial)
Location: NTPC Limited

Name of the Loans/Bonds	Budget/Bonds/IF	2022-23 (01-JUL-22 - 30-SEP-22)	2022-23 (01-OCT-22 - 31-DEC-22)	2022-23 (01-JAN-23 - 31-MAR-23)	2022-23	2023-24 (01-APR-23 - 30-JUN-23)	2023-24 (01-JUL-23 - 30-SEP-23)	2023-24 (01-OCT-23 - 31-DEC-23)
Name of the Loans/Bonds		Q2	Q3	Q4	Total	Q1	Q2	Q3
	Budget				0			
	Budget	3013939	3373940	3485243	11821667	3585748	3606904	3606905
	Budget				0			
	Budget							
HDFC-XI	Budget	350000000			350000000			
	Budget				0		2004657	6940933
	Budget				0			
	Budget				0			
	Budget	0	0	0	0	0	2004657	6940933
	Budget				0			
	Budget							
HDFC-XII	Budget				0			660000000
	Budget				0			7971822
	Budget				0			
	Budget				0			
	Budget				0			7971822
	Budget				0			
	Budget							
HDFC-XIII	Budget				0			
	Budget				0			
	Budget				0			
	Budget				0			
	Budget				0			
	Budget				0			
	Budget							
ICICI VII	Budget	80000000			80000000			
	Budget	1338718	1598027	1529095	4465840	1615562	1630465	1613151
	Budget				0			
	Budget				0			
	Budget	1338718	1598027	1529095	4465840	1615562	1630465	1613151
	Budget				0			
	Budget							
IndusInd Bank	Budget	40000000			40000000			
	Budget	582970	777359	787046	2147375	806247	819123	807233
	Budget				0			
	Budget				0			
	Budget	582970	777359	787046	2147375	806247	819123	807233
	Budget				0			
	Budget							
IndusInd Bank-1A	Budget				0			
	Budget				0			
	Budget				0			
	Budget				0			
	Budget				0			
	Budget				0			
	Budget				0			
UCO Bank-IV	Budget				0	80000000		

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Reason: AGM(Commercial)
Location: NTPC Limited

Name of the Loans/Bonds	Budget/Bonds/IF	2022-23 (01-JUL-22 - 30-SEP-22)	2022-23 (01-OCT-22 - 31-DEC-22)	2022-23 (01-JAN-23 - 31-MAR-23)	2022-23	2023-24 (01-APR-23 - 30-JUN-23)	2023-24 (01-JUL-23 - 30-SEP-23)	2023-24 (01-OCT-23 - 31-DEC-23)
Name of the Loans/Bonds		Q2	Q3	Q4	Total	Q1	Q2	Q3
	Budget				0	911342	1552658	1552658
	Budget				0			
	Budget				0			
	Budget				0	911342	1552658	1552658
	Budget				0			
IF		260000081.4	1010000000	299995906.2	1839995988	292499992	230000000	150000000
BOND		190000000	0	0	190000000	0	0	0
BUDGET		470000000	0	3580000000	4200000000	190000000	0	660000000
		920000081.4	1010000000	3879995906	6229995988	482499992	230000000	810000000

Signature Not Verified

Digitally signed by PARIMAL PIYUSH
Date: 2025.06.28 14:23:24 IST
Reason: AGM(Commercial)
Location: NTPC Limited

Form 14

Name of the Company NTPC Ltd
Name of the mine Kerandari CMP

Name of the Loans/Bonds	Budget/Bonds/IF	2023-24 (01-JAN-24 - 31-MAR-24)	2023-24	2024-25 (01-APR-24 - 30-JUN-24)	2024-25 (01-JUL-24 - 30-SEP-24)	2024-25 (01-OCT-24 - 31-DEC-24)	2024-25 (01-JAN-25 - 31-MAR-25)
Name of the Loans/Bonds		Q4	Total	Q1	Q2	Q3	Q4
EURO Loan-I Drawl I	IF		0				
	IF	42,02,961	15425239.32	41,20,483	43,05,238	34,16,197	31,65,523
	IF		0				
	IF	72,736	271108.9531	72,542	74,587	60,726	54,674
	IF		0				
	IF	42,75,698	15696348.27	41,93,024	43,79,825	34,76,923	32,20,197
	IF		-				
	IF						
EURO Loan-I Drawl II	IF		0				
	IF	15,58,926	5721395.33	15,28,333	15,96,861	12,67,106	11,74,128
	IF		0				
	IF	26,470	98661.06403	26,399	27,144	21,786	19,786
	IF		0				
	IF	15,85,396	5820056.394	15,54,733	16,24,005	12,88,892	11,93,914
	IF		-				
	IF						
EURO Loan-I Drawl III	IF		0				
	IF	14,32,568	5257653.09	14,04,456	14,67,429	11,64,402	10,78,960
	IF		0				
	IF	24,054	89655.30847	23,989	24,666	20,369	18,182
	IF		0				
	IF	14,56,622	5347308.399	14,28,445	14,92,095	11,84,771	10,97,142
	IF		-				
	IF						
USD 750 Million Drawl I	IF		0				
	IF	49,78,913	19114792.09	48,24,243	49,52,965	45,06,700	43,02,002
	IF		0				
	IF	37,477	144788.2007	36,852	37,276	34,431	32,332
	IF		0				
	IF	50,16,391	19259580.29	48,61,095	49,90,241	45,41,130	43,34,334
	IF		-				
	IF						
USD 750 Million Drawl II	IF		0				
	IF	45,71,724	17551532.24	44,29,703	45,47,898	41,38,129	39,50,173
	IF		0				
	IF	34,412	132946.0836	33,838	34,227	31,615	29,688
	IF		0				
	IF	46,06,136	17684478.32	44,63,541	45,82,125	41,69,744	39,79,861
	IF		-				
	IF						
USD 750 Million Drawl III	IF		0				
	IF	75,75,375	29082997.979	73,4	75,35,895	68,56,906	65,45,460
	IF		0				

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Name of the Loans/Bonds	Budget/Bonds/IF	2023-24 (01-JAN-24 - 31-MAR-24)	2023-24	2024-25 (01-APR-24 - 30-JUN-24)	2024-25 (01-JUL-24 - 30-SEP-24)	2024-25 (01-OCT-24 - 31-DEC-24)	2024-25 (01-JAN-25 - 31-MAR-25)
Name of the Loans/Bonds		Q4	Total	Q1	Q2	Q3	Q4
	IF	57,021	220293.3099	56,070	56,715	52,386	49,193
	IF		0				
	IF	76,32,396	29303290.88	73,96,115	75,92,610	69,09,292	65,94,653
	IF		-				
	IF						
USD 750 Million Drawl IV	IF		0				
	IF	34,06,358	13086423.72	33,00,539	33,88,605	30,83,290	29,43,244
	IF		0				
	IF	25,640	99101.96291	25,212	25,503	23,556	22,120
	IF		0				
	IF	34,31,998	13185525.68	33,25,751	34,14,108	31,06,846	29,65,365
	IF		-				
	IF						
USD 750 Million Drawl V	IF		0				
	IF	62,80,845	24163264.54	60,85,730	62,48,112	56,85,152	54,26,929
	IF		0				
	IF	47,277	182850.158	46,488	47,023	43,434	40,787
	IF		0				
	IF	63,28,122	24346114.7	61,32,218	62,95,135	57,28,586	54,67,715
	IF		-				
	IF						
USD 750 Million Drawl VI	IF		0				
	IF	51,10,830	19692693.79	49,52,062	50,84,195	46,26,105	44,15,984
	IF		14397				
	IF	38,470	148905.4601	37,828	38,264	35,343	33,189
	IF		0				
	IF	51,49,301	19827202.25	49,89,890	51,22,459	46,61,449	44,49,173
	IF		-				
	IF						
JPY Equ. $400 Million Drawl I	IF		292499992				
	IF	7,70,642	2809010.748	7,99,860	10,32,087	9,31,030	11,44,314
	IF		1156003				
	IF		0				
	IF		0				
	IF	7,70,642	1653007.748	7,99,860	10,32,087	9,31,030	11,44,314
	IF		47,85,537				
	IF						
JPY Equ. $400 Million Drawl II	IF		230000000				
	IF	6,28,851	1796152.646	6,52,693	8,42,193	7,59,729	933771.3551
	IF		94238.44715				
	IF		0				
	IF		0				
	IF	6,28,851	1701914.199	6,52,693	8,42,193	7,59,729	933771.3551
	IF		37,99,209				
	IF						
JPY Equ. $400 Million Drawl III	IF		1500000009				
	IF	4,31,080	925245.1332	5,77,424	5,77,327	5,20,798	6,40,104

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Name of the Loans/Bonds	Budget/Bonds/IF	2023-24 (01-JAN-24 - 31-MAR-24)	2023-24	2024-25 (01-APR-24 - 30-JUN-24)	2024-25 (01-JUL-24 - 30-SEP-24)	2024-25 (01-OCT-24 - 31-DEC-24)	2024-25 (01-JAN-25 - 31-MAR-25)
Name of the Loans/Bonds		Q4	Total	Q1	Q2	Q3	Q4
	IF		202527.205				
	IF		0				
	IF		0				
	IF	4,31,080	722717.9322	4,47,424	5,77,327	5,20,798	6,40,104
	IF		24,48,563				
	IF						
JPY Equ. $400 Million Drawl IV	IF	37,00,00,000	370000000				
	IF	11,83,551	1183550.966	10,77,102	13,78,004	12,43,077	15,27,846
	IF	18,86,543	1886543.288				
	IF		0				
	IF		0				
	IF	- 7,02,992	-702992.3229	10,77,102	13,78,004	12,43,077	15,27,846
	IF	60,57,371	60,57,371				
73	Bonds		0				
	Bonds	11759759.57	47366985.6	11750561.47	11879688.53	11879688.52	11644075.88
	Bonds	0	0	0	0	0	0
	Bonds	0	0	0	0	0	0
	Bonds	11759759.57	47366985.6	11750561.47	11879688.53	11879688.52	11644075.88
	Bonds	6499.95	43705.59	2879.55	7326.7	42563.35	16.05
	Bonds						
75	Bonds		0				
	Bonds	273545.58	1105213.38	274454.51	277619.23	278230.68	272182.2
	Bonds	0	0	0	0	0	0
	Bonds	0	0	0	0	0	0
	Bonds	273545.58	1105213.38	274454.51	277619.23	278230.68	272182.2
	Bonds	145.91	980.54	63.2	165.63	955.44	0.3
	Bonds						
76	Bonds		0				
	Bonds	2345261.68	9454576.75	2346109.29	2371890.71	2372738.32	2326684.93
	Bonds	0	0	0	0	0	0
	Bonds	0	0	0	0	0	0
	Bonds	2345261.68	9454576.75	2346109.29	2371890.71	2372738.32	2326684.93
	Bonds	1691.38	11057.56	4253.78	1399.01	8110.75	6.5
	Bonds						
78	Bonds		0				
	Bonds	3501038.22	14151449.18	3514688.52	3557226.68	3563046.58	3485589.04
	Bonds	0	0	0	0	0	0
	Bonds	0	0	0	0	0	0
	Bonds	3501038.22	14151449.18	3514688.52	3557226.68	3563046.58	3485589.04
	Bonds	2290.05	14991.53	5768.1	1895.02	11003.81	5.18
	Bonds						
82	Bonds		0				310000000
	Bonds		0				501160.12
	Bonds		0				0
	Bonds		0				0
	Bonds		0				501160.12

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Location: NTPC Limited

Name of the Loans/Bonds	Budget/Bonds/IF	2023-24 (01-JAN-24 - 31-MAR-24)	2023-24	2024-25 (01-APR-24 - 30-JUN-24)	2024-25 (01-JUL-24 - 30-SEP-24)	2024-25 (01-OCT-24 - 31-DEC-24)	2024-25 (01-JAN-25 - 31-MAR-25)
Name of the Loans/Bonds		Q4	Total	Q1	Q2	Q3	Q4
	Bonds		0				248715.1643
Axis Bank-II	Budget		0				
	Budget		0				
	Budget		0				
	Budget		0				
	Budget		0				
	Budget		0				
	Budget						
Axis Bank-IV	Budget		0				
	Budget	67590137	272521644	61032329	61703013	61703014	60082192
	Budget		0				
	Budget		0				
	Budget	67590137	272521644	61032329	61703013	61703014	60082192
	Budget		0				
	Budget						
BANK OF INDIA IV	Budget		110000000	75000000		132750000	
	Budget	2193972	8197260	3689863	3730411	6262141	5639881
	Budget		0				
	Budget		0				
	Budget	2193972	8197260	3689863	3730411	6262141	5639881
	Budget		0				
	Budget						
BANK OF BARODA II	Budget		0	280000000			
	Budget		0	4946284	5720492	5736175	5626849
	Budget		0				
	Budget		0				
	Budget		0	4946284	5720492	5736175	5626849
	Budget		0				
	Budget						
HDFC-V	Budget		0				
	Budget	3567698	14367255	3567699	3580767	3206137	3102465
	Budget		0				
	Budget		0				
	Budget	3567698	14367255	3567699	3580767	3206137	3102465
	Budget		0				
	Budget						
HDFC-IX	Budget		0				
	Budget	8721041	35119956	8705069	8090122	8082137	7820799
	Budget		0				
	Budget		0				
	Budget	8721041	35119956	8705069	8090122	8082137	7820799
	Budget		0				
	Budget						
HDFC-X	Budget		0				
	Budget	3567698	14367255	3567699	3580767	3606904	3490274
	Budget		0				

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Reason: AGM(Commercial)
Location: NTPC Limited

Name of the Loans/Bonds	Budget/Bonds/IF	2023-24 (01-JAN-24 - 31-MAR-24)	2023-24	2024-25 (01-APR-24 - 30-JUN-24)	2024-25 (01-JUL-24 - 30-SEP-24)	2024-25 (01-OCT-24 - 31-DEC-24)	2024-25 (01-JAN-25 - 31-MAR-25)
Name of the Loans/Bonds		Q4	Total	Q1	Q2	Q3	Q4
	Budget		0				
	Budget	3567698	14367255	3567699	3606904	3606904	3490274
	Budget		0				
	Budget						
HDFC-XI	Budget		0				
	Budget	6821259	15766849	6849549	6791534	6572713	6448151
	Budget		0				
	Budget		0				
	Budget	6821259	15766849	6849549	6791534	6572713	6448151
	Budget		0				
	Budget						
HDFC-XII	Budget	675000000	1335000000				
	Budget	16441464	24413286	25434493	24995954	24376003	24051214
	Budget		0				
	Budget		0				
	Budget	16441464	24413286	25434493	24995954	24376003	24051214
	Budget		0				
	Budget						
HDFC-XIII	Budget		0	460000000	270000000	470000000	1490000000
	Budget		0	3024658	11583831	21049645	38144282
	Budget		0				
	Budget		0				
	Budget		0	3024658	11583831	21049645	38144282
	Budget		0				
	Budget						
ICICI VII	Budget		0				
	Budget	1595617	6454795	1595616	1634630	1650484	1482739
	Budget		0		0		
	Budget		0		0		
	Budget	1595617	6454795	1595616	1634630	1650484	1482739
	Budget		0		0		
	Budget						
IndusInd Bank	Budget		0				
	Budget	802795	3235398	804000	811616	816658	784110
	Budget		0		0		
	Budget		0		0		
	Budget	802795	3235398	804000	811616	816658	784110
	Budget		0		0		
	Budget						
IndusInd Bank-1A	Budget		0		230000000		
	Budget		0		4608822	4695781	4451918
	Budget		0				
	Budget		0				
	Budget		0		4608822	4695781	4451918
	Budget		0				
	Budget						
UCO Bank-IV	Budget		80000000				

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Name of the Loans/Bonds	Budget/Bonds/IF	2023-24 (01-JAN-24 - 31-MAR-24)	2023-24	2024-25 (01-APR-24 - 30-JUN-24)	2024-25 (01-JUL-24 - 30-SEP-24)	2024-25 (01-OCT-24 - 31-DEC-24)	2024-25 (01-JAN-25 - 31-MAR-25)
Name of the Loans/Bonds		Q4	Total	Q1	Q2	Q3	Q4
	Budget	1535780	5552438	1535781	1552657	1552658	1492055
	Budget		0				
	Budget		0				
	Budget	1535780	5552438	1535781	1552657	1552658	1492055
	Budget		0				
IF		370000000	1042499992	0	0	0	0
BOND		0	0	0	0	0	310000000
BUDGET		675000000	1525000000	815000000	500000000	602750000	1490000000
		1045000000	2567499992	815000000	500000000	602750000	1800000000

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Reason: AGM(Commercial)
Location: NTPC Limited

Name of the Company	NTPC Ltd		Form 14
Name of the mine	Kerandari CMP		(Amt in ₹)
Name of the Loans/Bonds	Budget/Bonds/IF	2024-25	GRAND TOTAL
Name of the Loans/Bonds		Total	GRAND TOTAL
EURO Loan-I Drawl I	IF	0	333000019.3
	IF	15007440.37	38645725.1
	IF	0	1009301.927
	IF	262528.7613	677237.6527
	IF	0	0
	IF	1,52,69,969	38313660.83
	IF	-	86,05,948
	IF		
EURO Loan-I Drawl II	IF	0	120900000
	IF	5566428.611	14132574.47
	IF	0	174732.729
	IF	95115.09288	242415.8217
	IF	0	0
	IF	56,61,544	14200257.56
	IF	-	30,90,258
	IF		
EURO Loan-I Drawl III	IF	0	110000000
	IF	5115246.937	12870239.14
	IF	0	600080
	IF	87206.48166	219085.308
	IF	0	0
	IF	52,02,453	12489244.45
	IF	-	28,30,570
	IF		
USD 750 Million Drawl I	IF	0	270000000
	IF	18585909.76	49304743.85
	IF	0	1246702.749
	IF	140891.1393	372673.34
	IF	0	0
	IF	1,87,26,801	48430714.44
	IF	-	49,41,360
	IF		
USD 750 Million Drawl II	IF	0	260000081.4
	IF	17065902.77	43789760.01
	IF	0	820501
	IF	129368.0652	331201.1488
	IF	0	0
	IF	1,71,95,271	43300460.16
	IF	-	45,37,242
	IF		
USD 750 Million Drawl III	IF	0	440000000
	IF	28278305.97	69845276.39
	IF	0	257384.8895

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Name of the Loans/Bonds	Budget/Bonds/IF	2024-25	GRAND TOTAL
Name of the Loans/Bonds		Total	GRAND TOTAL
	IF	214364.5469	528449.8568
	IF	0	0
	IF	2,84,92,671	70116341.51
	IF	-	75,18,238
	IF		
USD 750 Million Drawl IV	IF	0	200000000
	IF	12715677.89	30351259.6
	IF	0	426018.3842
	IF	96391.46093	229672.4238
	IF	0	0
	IF	1,28,12,069	30154913.64
	IF	-	33,80,665
	IF		
USD 750 Million Drawl V	IF	0	370000000
	IF	23445922.89	53482511.43
	IF	0	628420.623
	IF	177731.9698	404715.1277
	IF	0	0
	IF	2,36,23,655	53258805.93
	IF	-	62,33,472
	IF		
USD 750 Million Drawl VI	IF	0	299995906.2
	IF	19078346.81	41313649.6
	IF	0	1263140.44
	IF	144624.0401	312638.5001
	IF	0	0
	IF	1,92,22,971	40363147.66
	IF	-	50,72,283
	IF		
JPY Equ. $400 Million Drawl I	IF	0	292499992
	IF	3907291.399	6716302.148
	IF	0	1156003
	IF	0	0
	IF	0	0
	IF	39,07,291	5560299.148
	IF	-	47,85,537
	IF		
JPY Equ. $400 Million Drawl II	IF	0	230000000
	IF	3188386.564	4984539.21
	IF	0	94238.44715
	IF	0	0
	IF	0	0
	IF	31,88,387	4890300.763
	IF	-	37,99,28
	IF		
JPY Equ. $400 Million Drawl III	IF	0	150000000
	IF	2185652.971	3110898.108

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Name of the Loans/Bonds	Budget/Bonds/IF	2024-25	GRAND TOTAL
Name of the Loans/Bonds		Total	GRAND TOTAL
	IF	0	202527.205
	IF	0	0
	IF	0	0
	IF	21,85,653	2908370.903
	IF	-	24,48,563
	IF		
JPY Equ. $400 Million Drawl IV	IF	0	370000000
	IF	5226028.834	6409579.799
	IF	0	1886543.288
	IF	0	0
	IF	0	0
	IF	52,26,029	4523036.511
	IF	-	60,57,371
73	Bonds	0	735000000
	Bonds	47154014.4	195948962.2
	Bonds	0	0
	Bonds	0	0
	Bonds	47154014.4	195948962.2
	Bonds	52785.65	206663.17
	Bonds		
75	Bonds	0	16500000
	Bonds	1102486.62	3831066
	Bonds	0	0
	Bonds	0	0
	Bonds	1102486.62	3831066
	Bonds	1184.57	4077.08
	Bonds		
76	Bonds	0	140000000
	Bonds	9417423.25	29991539.8
	Bonds	0	0
	Bonds	0	0
	Bonds	9417423.25	29991539.8
	Bonds	13770.04	51187.23617
	Bonds		
78	Bonds	0	190000000
	Bonds	14120550.82	36270801.52
	Bonds	0	0
	Bonds	0	0
	Bonds	14120550.82	36270801.52
	Bonds	18672.11	47090.78
	Bonds		
82	Bonds	310000000	310000000
	Bonds	501160.12	501160.12
	Bonds	0	0
	Bonds	0	0
	Bonds	501160.12	501160.12

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Name of the Loans/Bonds	Budget/Bonds/IF	2024-25	GRAND TOTAL
Name of the Loans/Bonds		Total	GRAND TOTAL
	Bonds	248715.1643	248715.1643
Axis Bank-II	Budget	0	3400000000
	Budget	0	671439553
	Budget	0	0
	Budget	0	0
	Budget	0	671439553
	Budget	0	0
	Budget		
Axis Bank-IV	Budget	0	3400000000
	Budget	244520548	519277808
	Budget	0	0
	Budget	0	0
	Budget	244520548	519277808
	Budget	0	0
	Budget		
BANK OF INDIA IV	Budget	207750000	317750000
	Budget	19322296	27519556
	Budget	0	0
	Budget	0	0
	Budget	19322296	27519556
	Budget	0	0
	Budget		
BANK OF BARODA II	Budget	280000000	280000000
	Budget	22029800	22029800
	Budget	0	0
	Budget	0	0
	Budget	22029800	22029800
	Budget	0	0
	Budget		
HDFC-V	Budget	0	180000000
	Budget	13457068	27903326
	Budget	0	0
	Budget	0	0
	Budget	13457068	27903326
	Budget	0	0
	Budget		
HDFC-IX	Budget	0	440000000
	Budget	32698127	140276344
	Budget	0	0
	Budget	0	0
	Budget	32698127	140276344
	Budget	0	0
	Budget		
HDFC-X	Budget	0	180000000
	Budget	14271781	40513419
	Budget	0	0

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Reason: AGM(Commercial)
Location: NTPC Limited

Name of the Loans/Bonds	Budget/Bonds/IF	2024-25	GRAND TOTAL
Name of the Loans/Bonds		Total	GRAND TOTAL
	Budget	0	0
	Budget	14271781	40513413
	Budget	0	0
	Budget		
HDFC-XI	Budget	0	350000000
	Budget	26661947	42428796
	Budget	0	0
	Budget	0	0
	Budget	26661947	42428796
	Budget	0	0
	Budget		
HDFC-XII	Budget	0	1335000000
	Budget	98857664	123270950
	Budget	0	0
	Budget	0	0
	Budget	98857664	123270950
	Budget	0	0
	Budget		
HDFC-XIII	Budget	2690000000	2690000000
	Budget	73802416	73802416
	Budget	0	0
	Budget	0	0
	Budget	73802416	73802416
	Budget	0	0
	Budget		
ICICI VII	Budget	0	80000000
	Budget	6363469	17284104
	Budget	0	0
	Budget	0	0
	Budget	6363469	17284104
	Budget	0	0
	Budget		0
IndusInd Bank	Budget	0	40000000
	Budget	3216384	8599157
	Budget	0	0
	Budget	0	0
	Budget	3216384	8599157
	Budget	0	0
	Budget		
IndusInd Bank-1A	Budget	230000000	230000000
	Budget	13756521	13756521
	Budget	0	0
	Budget	0	0
	Budget	13756521	13756521
	Budget	0	0
	Budget		
UCO Bank-IV	Budget	0	80000000

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Date: 2025.06.28 14:23:24 IST
Reason: AGM(Commercial)
Location: NTPC Limited

Name of the Loans/Bonds	Budget/Bonds/IF	2024-25	GRAND TOTAL
Name of the Loans/Bonds		Total	GRAND TOTAL
	Budget	6133151	11685589
	Budget	0	0
	Budget	0	0
	Budget	6133151	11685589
	Budget	0	0
IF		0	3,44,63,95,999
BOND		310000000	1,39,15,00,000
BUDGET		3407750000	13,00,27,50,000
		3717750000	17,84,06,45,999

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Date: 2025.06.28 14:23:24 IST
Reason: AGM(Commercial)
Location: NTPC Limited

Name of the Company	NTPC LTD			
Name of the Power Station	Kerandari			WAROI
Name of the Bank	Drawl Amount	Drawl Date	Interest Details	
			w.e.f.	ROI
Axis Bank - II	5,00,00,000	08-Apr-20	08-Apr-20	7.45%
Axis Bank - II			26-Apr-20	6.70%
Axis Bank - II			26-May-20	6.30%
Axis Bank - II			28-May-22	6.70%
Axis Bank - II			28-Jun-22	7.20%
Axis Bank - II			28-Aug-22	7.70%
Axis Bank - II			28-Oct-22	8.20%
Axis Bank - II			01-Nov-22	7.70%
Axis Bank - II			01-Jan-23	8.05%
Axis Bank - II			01-Mar-23	8.30%
Axis Bank - IV	5,00,00,000	29-Mar-23	29-Mar-23	8.00%
Bank of India -IV	10,00,00,000	27-Apr-23	27-Apr-23	8.00%
Bank of India -VA	17,19,00,000	30-Mar-23	30-Mar-23	8.15%
Bank of India -VA			01-Apr-23	8.00%
Canara Bank III	17,00,00,000	22-Jul-13	22-Jul-13	9.95%
Canara Bank III			01-Jan-14	10.20%
Canara Bank III			11-May-15	10.00%
Canara Bank III			03-Sep-15	9.90%
Canara Bank III			07-Oct-15	9.65%
Canara Bank III			01-Aug-16	9.35%
Canara Bank III			07-Jan-17	8.30%
Canara Bank III			07-Jul-17	8.15%
Canara Bank III			07-Oct-17	8.10%
Canara Bank III			07-Apr-18	8.20%
Canara Bank III			07-Jul-18	8.30%
Canara Bank III			07-Oct-18	8.40%
Canara Bank III			07-Jan-19	8.45%
Canara Bank III			23-Jul-19	8.40%
Canara Bank III			23-Aug-19	8.30%
Canara Bank III			23-Sep-19	8.20%
Canara Bank III			23-Nov-19	8.15%
Canara Bank III			23-Dec-19	7.90%
Canara Bank III			23-Feb-20	7.65%
Canara Bank III			23-Apr-20	7.50%
Canara Bank III			23-Jun-20	7.30%
Canara Bank III			23-Jul-20	7.20%
Canara Bank III			23-Aug-20	7.00%
HDFC Bank Limited-III	5,00,00,000	30-Sep-16	30-Sep-16	9.10%
HDFC Bank Limited-III			14-Dec-16	8.90%
HDFC Bank Limited-III			07-Jan-17	8.15%
HDFC Bank Limited-III			07-Feb-17	7.95%
HDFC Bank Limited-III			07-Feb-18	8.00%
HDFC Bank Limited-III			01-Jul-18	8.10%
HDFC Bank Limited-III			01-Oct-18	8.30%
HDFC Bank Limited-III			01-Jan-19	8.45%
HDFC Bank Limited-III			01-Jul-19	8.40%
HDFC Bank Limited-III			29-Jul-19	8.30%
HDFC Bank Limited-III			29-Aug-19	8.20%
HDFC Bank Limited-III			29-Sep-19	8.10%
HDFC Bank Limited-III			29-Oct-19	8.00%
HDFC Bank Limited-III			01-Dec-19	7.65%
HDFC Bank Limited-III			01-Mar-20	7.45%
HDFC Bank Limited-III			01-Jun-20	6.30%
HDFC Bank Limited-III			24-Dec-20	5.95%
HDFC Bank Limited-III			24-May-22	6.35%
HDFC Bank Limited-III			24-Jun-22	6.85%
HDFC Bank Limited-III			24-Aug-22	7.35%
HDFC Bank Limited-III			24-Oct-22	7.85%

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Date: 2025.06.25 14:23:24 IST
Reason: AGM(Commercial)
Location: NTPC Limited

Name of the Company	NTPC LTD			
Name of the Power Station	Kerandari			WAROI
Name of the Bank	Drawl Amount	Drawl Date	Interest Details	
			w.e.f.	ROI
HDFC Bank Limited-III			24-Dec-22	8.20%
HDFC Bank Limited-III			01-Jan-23	7.95%
HDFC Bank Limited-III			01-Mar-23	8.01%
HDFC Bank Limited-III			01-Jun-23	7.95%
HDFC Bank Limited-V	**19,13,00,000**	25-Sep-17	25-Sep-17	7.90%
HDFC Bank Limited-V	**15,00,00,000**	13-Nov-17	25-Dec-17	7.85%
HDFC Bank Limited-V			25-Mar-18	8.00%
HDFC Bank Limited-V			25-Jun-18	8.10%
HDFC Bank Limited-V			25-Sep-18	8.30%
HDFC Bank Limited-V			25-Dec-18	8.45%
HDFC Bank Limited-V			25-Jun-19	8.40%
HDFC Bank Limited-V			29-Jul-19	8.30%
HDFC Bank Limited-V			29-Aug-19	8.20%
HDFC Bank Limited-V			29-Sep-19	8.10%
HDFC Bank Limited-V			29-Oct-19	8.00%
HDFC Bank Limited-V			01-Dec-19	7.65%
HDFC Bank Limited-V			01-Mar-20	7.45%
HDFC Bank Limited-V			01-Jun-20	6.30%
HDFC Bank Limited-V			24-Dec-20	5.95%
HDFC Bank Limited-V			24-May-22	6.35%
HDFC Bank Limited-V			24-Jun-22	6.85%
HDFC Bank Limited-V			24-Aug-22	7.35%
HDFC Bank Limited-V			24-Oct-22	7.85%
HDFC Bank Limited-V			24-Dec-22	8.20%
HDFC Bank Limited-V			01-Jan-23	7.95%
HDFC Bank Limited-V			01-Mar-23	8.01%
HDFC Bank Limited-V			01-Jun-23	7.95%
HDFC Bank Limited-VII	**18,00,00,000**	11-Jun-19	11-Jun-19	8.40%
HDFC Bank Limited-VII			29-Jul-19	8.30%
HDFC Bank Limited-VII			29-Aug-19	8.20%
HDFC Bank Limited-VII			29-Sep-19	8.10%
HDFC Bank Limited-VII			29-Oct-19	8.00%
HDFC Bank Limited-VII			01-Dec-19	7.65%
HDFC Bank Limited-VII			01-Mar-20	7.45%
HDFC Bank Limited-VII			01-Jun-20	6.30%
HDFC Bank Limited-VII			24-Dec-20	5.95%
HDFC Bank Limited-VII			24-May-22	6.35%
HDFC Bank Limited-VII			24-Jun-22	6.85%
HDFC Bank Limited-VII			24-Aug-22	7.35%
HDFC Bank Limited-VII			24-Oct-22	7.85%
HDFC Bank Limited-VII			24-Dec-22	8.20%
HDFC Bank Limited-VII			01-Jan-23	7.95%
HDFC Bank Limited-VII			01-Mar-23	8.01%
HDFC Bank Limited-VII			01-Jun-23	7.95%
HDFC-IX	**15,85,00,000**	30-Jun-20	30-Jun-20	6.30%
HDFC-IX	**13,60,00,000**	24-Aug-20	24-Dec-20	5.95%
HDFC-IX	**25,00,00,000**	18-Nov-20	24-May-22	6.35%
HDFC-IX	**20,00,00,000**	01-Mar-21	24-Jun-22	6.85%
HDFC-IX			24-Aug-22	7.35%
HDFC-IX			24-Oct-22	7.85%
HDFC-IX			24-Dec-22	8.20%
HDFC-IX			01-Jan-23	7.95%
HDFC-IX			01-Mar-23	8.01%
HDFC-IX			01-Jun-23	7.95%
HDFC-X	**5,00,00,000**	21-Mar-22	21-Mar-22	5.83%
HDFC-X			24-May-22	6.23%
HDFC-X			24-Aug-22	7.23%
HDFC-X			24-Nov-22	7.73%
HDFC-X			24-Feb-23	8.20%
HDFC-X			01-Mar-23	8.01%

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Digitally signed by PARIMAL PIYUSH
Date: 2025.06.28 14:23:24 IST
Reason: AGM(Commercial)
Location: NTPC Limited

Name of the Company	NTPC LTD			
Name of the Power Station	Kerandari			WAROI
Name of the Bank	Drawl Amount	Drawl Date	Interest Details	
			w.e.f.	ROI
HDFC-X			01-Jun-23	7.95%
HDFC-XI	20,00,00,000	12-Sep-23	12-Sep-23	7.80%
HDFC-XI			11-Oct-23	7.77%
HDFC-XI			11-Nov-23	7.92%
HDFC-XI			11-Dec-23	7.97%
HDFC-XI			11-Jan-24	7.89%
HDFC-XI			11-Feb-24	7.67%
HDFC-XI			11-Mar-24	7.84%
HDFC-XII	20,00,00,000	01-Dec-23	01-Dec-23	7.71%
HDFC-XII	9,50,00,000	01-Jan-24	13-Dec-23	7.78%
HDFC-XII			13-Jan-24	7.70%
HDFC-XII			13-Feb-24	7.65%
HDFC-XII			13-Mar-24	7.60%
ICICI - IV	10,00,00,000	21-Sep-16	21-Sep-16	9.10%
ICICI - IV		29-Sep-16	02-Dec-16	8.80%
ICICI - IV		10-Oct-16	02-Mar-17	7.90%
ICICI - IV		02-Dec-16	02-Dec-17	7.85%
ICICI - IV			02-Mar-18	8.00%
ICICI - IV			02-Jun-18	8.10%
ICICI - IV			02-Sep-18	8.35%
ICICI - IV			02-Dec-18	8.60%
ICICI - VII	20,00,00,000	05-Mar-21	05-Mar-21	6.00%
ICICI - VII			30-Mar-21	6.24%
ICICI - VII			30-Jun-21	6.30%
ICICI - VII			30-Sep-21	6.35%
ICICI - VII			30-Dec-21	6.55%
ICICI - VII			30-Mar-22	6.84%
ICICI - VII			22-Apr-22	6.49%
ICICI - VII			22-Jul-22	7.50%
ICICI - VII			22-Aug-22	7.65%
ICICI - VII			22-Sep-22	7.75%
ICICI - VII			22-Oct-22	7.85%
ICICI - VII			22-Nov-22	8.05%
ICICI - VII			02-Dec-22	7.75%
ICICI - VII			03-Mar-23	8.10%
ICICI - VII			03-Sep-23	8.15%
ICICI - VII			13-Sep-23	8.00%
Indian Bank - III	50,00,00,000	26-Mar-13	26-Mar-13	10.20%
Indian Bank - III			01-Apr-15	10.25%
Indian Bank - III			08-Jun-15	9.95%
Indian Bank - III			07-Oct-15	9.65%
Indian Bank - III			20-Dec-16	9.25%
Indian Bank - III			20-Mar-17	8.45%
Indian Bank - III			20-Apr-17	8.20%
Indian Bank - III			20-Sep-17	8.05%
Indian Bank - III			20-Feb-18	7.90%
Indian Bank - III			20-Apr-18	8.00%
Indian Bank - III			20-Jun-18	8.10%
Indian Bank - III			20-Jul-18	8.15%
Indian Bank - III			20-Nov-18	8.30%
Indian Bank - III			20-Dec-18	8.35%
Indian Bank - III			20-Mar-19	8.25%
Indian Bank - III			20-Jul-19	8.30%
Indian Bank - III			20-Sep-19	8.15%
Indian Bank - III			20-Oct-19	8.05%
IndusInd Bank	10,00,00,000	15-Jul-22	15-Jul-22	6.82%
IndusInd Bank			15-Oct-22	7.87%

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Date: 2025.06.25 14:23:24 IST
Reason: AGM(Commercial)
Location: NTPC Limited

Name of the Company	NTPC LTD			
Name of the Power Station	Kerandari			WAROI
Name of the Bank	Drawl Amount	Drawl Date	Interest Details	
			w.e.f.	ROI
IndusInd Bank			15-Jan-23	8.00%
IndusInd Bank			15-Apr-23	8.10%
IndusInd Bank			15-Jul-23	8.15%
IndusInd Bank			20-Sep-23	8.00%
IndusInd Bank			20-Dec-23	8.05%
PNB-IV	10,00,00,000	01-Jan-19	01-Jan-19	8.60%
PNB-IV			04-Feb-19	8.30%
PNB-IV			04-May-19	8.20%
PNB-IV			04-Aug-19	8.05%
PNB-IV			04-Nov-19	7.90%
PNB-IV			04-Feb-20	7.65%
PNB-IV			04-May-20	7.20%
PNB-IV			04-Jun-20	7.05%
PNB-IV			04-Aug-20	6.80%
PNB-IV			04-Nov-20	6.70%
PNB-IV			21-Dec-20	6.50%
PNB-IV			01-Apr-21	6.20%
PNB-IV			21-Sep-21	5.80%
PNB-IV			21-Jun-22	6.70%
PNB-IV			01-Sep-22	7.20%
PNB-IV			01-Oct-22	7.70%
PNB-IV			01-Jan-23	8.05%
PNB-IV			01-Mar-23	8.30%
PNB-IV			01-Apr-23	7.90%
State Bank of India - VIII	9,00,00,000	30-Oct-15	30-Oct-15	9.30%
State Bank of India - VIII	18,00,00,000	19-Apr-16	01-Aug-16	9.10%
State Bank of India - VIII			14-Feb-17	8.30%
State Bank of India - VIII			14-Aug-17	7.90%
State Bank of India - VIII			14-Nov-17	7.85%
State Bank of India - VIII			14-Aug-18	7.95%
State Bank of India - VIII			14-Nov-18	8.20%
State Bank of India - VIII			14-Feb-19	8.25%
State Bank of India - VIII			14-May-19	8.15%
State Bank of India - VIII			14-Aug-19	7.95%
State Bank of India - VIII			14-Nov-19	7.70%
State Bank of India - VIII			14-Feb-20	7.65%
State Bank of India - VIII			14-May-20	7.00%
State Bank of India - VIII			14-Aug-20	6.65%
State Bank of India - VIII			14-May-22	6.75%
State Bank of India - VIII			14-Aug-22	7.15%
State Bank of India - VIII			14-Nov-22	7.60%
State Bank of India - VIII			14-Feb-23	8.00%
State Bank of India - VIII			14-May-23	8.10%
State Bank of India - VIII			14-Aug-23	8.15%
State Bank of India - VIII			14-Feb-24	8.20%
State Bank of India - IX	9,00,00,000	20-Jun-18	20-Jun-18	7.85%
State Bank of India - IX			14-Aug-18	7.95%
State Bank of India - IX			14-Nov-18	8.20%
State Bank of India - IX			14-Feb-19	8.25%
State Bank of India - IX			14-May-19	8.15%
State Bank of India - IX			14-Aug-19	7.95%
State Bank of India - IX			14-Nov-19	7.70%
State Bank of India - IX			14-Feb-20	7.65%
State Bank of India - IX			14-May-20	7.00%
State Bank of India - IX			14-Aug-20	6.65%
State Bank of India - IX			14-May-22	6.75%
State Bank of India - IX			14-Aug-22	7.15%
State Bank of India - IX			14-Nov-22	7.60%
State Bank of India - IX			14-Feb-23	8.00%
State Bank of India - IX			14-May-23	8.10%
State Bank of India - IX			14-Aug-23	8.15%

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Date: 2025.06.25 14:23:24 IST
Reason: AGM(Commercial)
Location: NTPC Limited

Name of the Company	NTPC LTD			
Name of the Power Station	Kerandari			WAROI
Name of the Bank	Drawl Amount	Drawl Date	Interest Details	
			w.e.f.	ROI
State Bank of India - IX			14-Feb-24	8.20%
State Bank of India - X	15,00,00,000	01-May-18	01-May-18	7.85%
State Bank of India - X			25-Jun-18	7.95%
State Bank of India - X			25-Sep-18	8.15%
State Bank of India - X			25-Dec-18	8.25%
State Bank of India - X			25-Jun-19	8.15%
State Bank of India - X			25-Sep-19	7.85%
State Bank of India - X			25-Dec-19	7.70%
State Bank of India - X			25-Mar-20	7.50%
State Bank of India - X			25-Jun-20	6.75%
State Bank of India - X			25-Sep-20	6.65%
State Bank of India - X			25-Jun-22	7.05%
State Bank of India - X			25-Sep-22	7.35%
State Bank of India - X			25-Dec-22	8.00%
State Bank of India - X			25-Mar-23	8.10%
State Bank of India - X			25-Sep-23	8.15%
State Bank of India - X			25-Dec-23	8.20%
State Bank of India - XI	19,00,00,000	11-Oct-18	11-Oct-18	8.30%
State Bank of India - XI			11-Jan-19	8.35%
State Bank of India - XI			11-Apr-19	8.30%
State Bank of India - XI			11-Jul-19	8.20%
State Bank of India - XI			11-Oct-19	7.85%
State Bank of India - XI			11-Jan-20	7.75%
State Bank of India - XI			01-Feb-20	7.70%
State Bank of India - XI			11-Apr-20	7.15%
State Bank of India - XI			11-Jul-20	6.65%
State Bank of India - XI			11-Jul-22	7.05%
State Bank of India - XI			11-Oct-22	7.35%
State Bank of India - XI			11-Jan-23	8.00%
State Bank of India - XI			11-Apr-23	8.10%
State Bank of India - XI			11-Oct-23	8.15%
State Bank of India - XI			11-Jan-24	8.20%
State Bank of India - XII	15,00,00,000	11-Feb-19	11-Feb-19	8.35%
State Bank of India - XII	5,00,00,000	26-Mar-19	11-May-19	8.25%
State Bank of India - XII			11-Aug-19	8.05%
State Bank of India - XII			11-Nov-19	7.80%
State Bank of India - XII			11-Jan-20	7.75%
State Bank of India - XII			01-Feb-20	7.70%
State Bank of India - XII			11-Apr-20	7.15%
State Bank of India - XII			11-Jul-20	6.65%
State Bank of India - XII			11-Jul-22	7.05%
State Bank of India - XII			11-Oct-22	7.35%
State Bank of India - XII			11-Jan-23	8.00%
State Bank of India - XII			11-Apr-23	8.10%
State Bank of India - XII			11-Oct-23	8.15%
State Bank of India - XII			11-Jan-24	8.20%
State Bank of India - XIII	20,00,00,000	24-Mar-20	24-Mar-20	7.45%
State Bank of India - XIII			24-Apr-20	7.10%
State Bank of India - XIII			24-May-20	6.95%
State Bank of India - XIII			24-Jun-20	6.70%
State Bank of India - XIII			24-Jul-20	6.65%
UCO Bank-IV	4,11,00,000	02-Feb-23	02-Feb-23	7.45%
UCO Bank-IV	1,00,00,000	08-May-23	11-Feb-23	7.70%

(Petitioner)

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Digitally signed by PARIMAL PIYUSH
Date: 2025.06.25 14:23:24 IST
Reason: AGM(Commercial)
Location: NTPC Limited

Form 14A Calculation of IDC

Name of the Petitioner: NTPC Ltd

Name of the Integrated Mine: KDCMP

Year	IDC DOMESTIC LOAN	IDC BONDS	IDC FOREIGN LOAN	Finance Charges to be amortised using EIR Method	Finance Charges not to be amortised using EIR Method	Total Finance Charges	Amortised Finance Charges-trf to IDC	ERV treated as BC	Total Interest and Finance Charges	Amort Exp Vendor Disc-ind AS
2020-21	22,27,32,628.00	69,06,962.16	-	38,984.40	22.37	39,007	500	-	22,96,40,112.80	43,136.65
2021-22	24,04,32,712.00	4,94,84,228.96	20,59,829.52	1,45,42,071.53	38,489.96	1,45,80,561	14,68,101	-	29,34,83,361.68	44,40,284.02
2022-23	30,15,34,685.00	6,57,78,478.36	5,18,90,407.91	3,16,93,457.77	48,879.96	3,17,42,338	60,75,919	1,31,56,765.00	43,84,85,135.69	1,92,539.89
2023-24	39,99,96,136.00	7,20,78,224.91	15,38,44,552.75	1,70,90,680.76	70,735.22	1,71,61,416	1,21,78,007	40,89,968.00	64,22,57,624.04	22,272.46
2024-25	57,50,91,172.00	7,22,95,635.21	16,07,14,763.33	2,48,714.60	86,412.93	3,35,128	1,27,29,831	3,82,46,094.00	85,91,63,908.81	2,48,788.50
Total	**1,73,97,87,333.00**	**26,65,43,529.60**	**36,85,09,553.51**	**6,36,13,909.06**	**2,44,540.44**	**6,38,58,449**	**3,24,52,359.47**	**5,54,92,827.00**	**2,46,30,30,143.01**	**49,47,021.52**

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Digitally signed by PARIMAL PIYUSH
Date: 2025.06.28 14:23:24 IST
Reason: AGM(Commercial)
Location: NTPC Limited

(Amount in Rs. Lakh)

Year	Amort Exp Leasehold Land Discounting-ind AS	Total IDC incl IND AS ADJ	IDC taken to CWIP	Cummulative IDC in CWIP- Ind AS	IDC Capitalized as Unwinding of Vendor Discounting and leasehold land	IDC capitalised to CWIP without Unwinding	Cummulative IDC in CWIP post capitalisation IGAAP	IDC Capitalized to Gross Block excluding Vendor Discounting and leasehold land amortisation - IGAAP	Balance of IDC in CWIP - IGAAP
2020-21	4,54,08,206.00	27,50,91,455.45	27,50,91,455	27,50,91,455	4,54,51,343	22,96,40,113	22,96,40,113		
2021-22	4,70,73,328.00	34,49,96,973.70	34,49,96,974	62,00,88,429	5,15,13,612	29,34,83,362	52,31,23,474		
2022-23	4,87,19,048.00	48,73,96,723.58	48,73,96,724	1,10,74,85,153	4,89,11,588	43,84,85,136	96,16,08,610		
2023-24	5,03,31,948.00	69,26,11,844.50	69,26,11,844	1,80,00,96,997	5,03,54,220	64,22,57,624	1,60,38,66,234		
2024-25	5,18,96,616.00	91,13,09,313.31	91,13,09,313	2,71,14,06,311	5,21,43,878	85,91,65,436	2,46,30,31,670	1,71,30,66,368	74,99,65,302
Total	**24,34,29,146.00**	**2,71,14,06,310.53**	**2,71,14,06,310.53**		**24,83,74,640.52**	**2,46,30,31,670**		-	-

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Reason: AGM(Commercial)
Location: NTPC Limited

Form 14A

NTPC Ltd
Quarterly Debt Equity Ratio
Expenditure is provisional

(Rs. crore)

Description	Qtr Ended on	Expr. During Qtr	Cumulative Expr. Upto the end of Qtr	Debt Applied (Dom Borr and Bonds)	Repayments of DB & Bonds	Cumulative debt applied (DB & Bonds)	Debt Applied (ECB)	Repayments of ECB	ERV	Cumulative debt applied (ECB)	Cumulative debt applied (Total)	Debt Equity Ratio	Normative debt	Interest Rate pa	Notional IDC	Cumulative Notional IDC
		-		-	-	-										
2010	31-03-2010	24.42	24.42	-	-		-	-		-	-	0:100	17.09	2.81%	0.48	0.48
2011	31-03-2011	35.34	59.76	-	-	-	-	-		-	-	0:100	41.83	2.81%	1.18	1.66
2012	31-03-2012	16.87	76.63	-	-	-	-	-		-	-	0:100	53.64	2.81%	1.51	3.16
2013	31-03-2013	31.83	108.46	-	-	-	-	-		-	-	0:100	75.92	2.81%	2.13	5.30
2014	31-03-2014	65.85	174.31	-	-	-	-	-		-	-	0:100	122.02	2.81%	3.43	8.72
2015	31-03-2015	16.87	191.18	-	-	-	-	-		-	-	0:100	133.83	2.81%	3.76	12.48
2016	31-03-2016	67.18	258.36	-	-	-	-	-		-	-	0:100	180.85	2.81%	5.08	17.57
2017	31-03-2017	34.50	292.86	-	-	-	-	-		-	-	0:100	205.00	2.81%	5.76	23.33
2017-Qtr4	31-03-2018	15.83	308.69	-	-	-	-	-		-	-	0:100	216.08	2.81%	6.07	29.40
2018-Qtr1	30-06-2018	-	308.69	-	-	-	-	-		-	-	0:100	216.08	2.81%	6.07	35.47
2018-Qtr2	30-09-2018	10.63	319.32	-	-	-	-	-		-	-	0:100	223.52	2.81%	6.28	41.75
2018-Qtr3	31-12-2018	12.20	331.52	-	-	-	-	-		-	-	0:100	232.06	2.81%	6.52	48.27
2018-Qtr4	31-03-2019	4.80	336.32	-	-	-	-	-		-	-	0:100	235.42	2.81%	6.61	54.88
2019-Qtr1	30-06-2019	6.06	342.38	-	-	-	-	-		-	-	0:100	239.67	2.81%	6.73	61.62
2019-Qtr2	30-09-2019	14.60	356.98	-	-	-	-	-		-	-	0:100	249.89	2.81%	7.02	68.64
2019-Qtr3	31-12-2019	23.67	380.65	-	-	-	-	-		-	-	0:100	266.46	2.81%	7.49	76.13
2019-Qtr4	31-03-2020	98.42	479.07	-	-	-	-	-		-	-	0:100	335.35	2.81%	9.42	85.55
2020-Qtr1	30-06-2020	32.06	511.13	355.00	-	355.00	-	-		-	355.00	69:31	357.79	2.81%	0.08	85.63
2020-Qtr2	30-09-2020	19.48	530.61	15.00	-	370.00	-	-		-	370.00	70:30	371.43	2.81%	0.04	85.67
2020-Qtr3	31-12-2020	37.52	568.13	14.00	-	384.00	-	-		-	384.00	68:32	397.69	1.55%	0.21	85.88
2020-Qtr4	31-03-2021	80.12	648.25	73.50	-	457.50	-	-		-	457.50	71:29	453.78	1.45%	-	85.88
2021-Qtr1	30-06-2021	50.84	699.09	-	-	457.50	33.30	-		33.30	490.80	70:30	489.36	1.57%	-	85.88
2021-Qtr2	30-09-2021	41.98	741.07	1.65	-	459.15	23.09	-		56.39	515.54	70:30	518.75	1.44%	0.05	85.93
2021-Qtr3	31-12-2021	12.71	753.78	14.00	-	473.15	-	-		56.39	529.54	70:30	527.65	1.39%	-	85.93
2021-Qtr4	31-03-2022	49.99	803.77	3.00	-	476.15	-	-	-1.58	54.81	530.96	66:34	562.64	1.40%	0.44	86.37
2022-Qtr1	30-06-2022	34.52	838.29	15.00	-	491.15	27.00	-		81.81	572.96	68:32	586.80	1.38%	0.19	86.56
2022-Qtr2	30-09-2022	119.05	957.34	31.00	-	522.15	70.00	-		151.81	673.96	70:30	670.14	1.45%	-	86.56
2022-Qtr3	31-12-2022	84.92	1,042.26	-	-	522.15	57.00	-		208.81	730.96	70:30	729.58	2.72%	-	86.56
2022-Qtr4	31-03-2023	87.00	1,129.26	358.00	340.00	540.15	30.00	-	7.34	246.15	786.30	70:30	790.48	1.56%	0.07	86.62
2023-Qtr1	30-06-2023	66.72	1,195.98	19.00	-	559.15	29.25	-		275.40	834.55	70:30	837.19	1.61%	0.04	86.67
2023-Qtr2	30-09-2023	104.73	1,300.71	35.00	-	594.15	38.00	-		313.40	907.55	70:30	910.50	1.68%	0.05	86.72
2023-Qtr3	31-12-2023	135.99	1,436.70	66.00	-	660.15	37.00	-		350.40	1,010.55	70:30	1,005.69	1.69%	-	86.72
2023-Qtr4	31-03-2024	129.26	1,565.96	98.50	34.00	724.65	-	-	-2.03	348.37	1,073.02	69:31	1,096.17	1.64%	0.38	87.10
2024-Qtr1	30-06-2024	68.19	1,634.15	81.50	3.67	802.48	-	-		348.37	1,150.85	70:30	1,143.91	1.64%	-	87.10
2024-Qtr2	30-09-2024	105.07	1,739.22	50.00	2.00	850.48	-	-		348.37	1,198.85	69:31	1,217.45	1.71%	0.32	87.42
2024-Qtr3	31-12-2024	112.48	1,851.70	60.28	3.31	907.45	-	-		348.37	1,255.82	68:32	1,296.19	1.68%	0.68	88.09
2024-Qtr4	31-03-2025	203.11	2,054.81	149.00	34.00	1,022.45	-	-	10.02	358.39	1,380.84	67:33	1,438.37	1.58%	0.91	89.00
		-		1,439.43	416.98		344.64	-	13.75							

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Reason: AGM(Commercial)
Location: NTPC Limited

	Year-Wise details of FERV upto COD for KDCMP up to 31.03.2025				
	Kerandari Coal Mine				
	EURO Loan Drawl I				
	EUR	INR	KDCMP- EUR	KDCMP- INR	Previous Year
			7.6297%	7.6297%	ERV
Exch rate		**89.1963**			
2021-22					
Opening Balance					
Drawals	4,89,31,659	4,36,45,22,664	37,33,339	33,30,00,000	
Repayments	-	-			
Closing Balance	4,89,31,659	4,36,45,22,664	37,33,339	33,30,00,000	
FERV		(16,81,43,607)		(1,28,28,853)	
Closing Balance	4,89,31,659	4,19,63,79,057	37,33,339	32,01,71,147	
Exch rate		85.7600			
2022-23					
Opening Balance	4,89,31,659	4,19,63,79,057	37,33,339	32,01,71,147	-
Drawals		-		-	
Repayments	-	-			
Closing Balance	4,89,31,659	4,19,63,79,057	37,33,339	32,01,71,147	
FERV		25,00,40,776		1,90,77,362	
Closing Balance	4,89,31,659	4,44,64,19,833	37,33,339	33,92,48,509	
Exch rate		90.8700			
2023-24					
Opening Balance	4,89,31,659	4,44,64,19,833	37,33,339	33,92,48,509	-
Drawals		-		-	
Repayments	-	-			
Closing Balance	4,89,31,659	4,44,64,19,833	37,33,339	33,92,48,509	
FERV		3,13,16,262		23,89,337	
Closing Balance	4,89,31,659	4,47,77,36,095	37,33,339	34,16,37,846	
Exch rate 31.03.2024		91.5100			
2024-25					
Opening Balance	4,89,31,659	4,47,77,36,095	37,33,339	34,16,37,846	-
Drawals		-		-	
Repayments	-	-			
Closing Balance	4,89,31,659	4,47,77,36,095	37,33,339	34,16,37,846	
FERV		11,69,46,664		89,22,680	
Closing Balance	4,89,31,659	4,59,46,82,759	37,33,339	35,05,60,526	
Exch rate 31.03.2025		**93.90**			

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Location: NTPC Limited

	EURO Loan Drawl II				
	EUR	**INR**	**KDCMP- EUR**	**KDCMP- INR**	**Previous Year**
			1.6438%	1.6438%	**ERV**
Exch rate		**87.30897**			
2021-22					
Opening Balance					
Drawals	8,42,38,902	7,35,48,11,339	13,84,738	12,09,00,000	
Repayments	-	-			
Closing Balance	8,42,38,901.52	7,35,48,11,339	13,84,737.52	12,09,00,000	
FERV		(13,04,83,145)		(21,44,911)	
Closing Balance	8,42,38,901.52	7,22,43,28,194	13,84,737.52	11,87,55,089	
Exch rate		85.7600			
2022-23					
Opening Balance	8,42,38,901.52	7,22,43,28,194.36	13,84,737.52	11,87,55,089	
Drawals		-		-	
Repayments	-	-			
Closing Balance	8,42,38,901.52	7,22,43,28,194	13,84,737.52	11,87,55,089	
FERV		43,04,60,787		70,76,009	
Closing Balance	8,42,38,901.52	7,65,47,88,981	13,84,737.52	12,58,31,098	
Exch rate		**90.87**			
2023-24					
Opening Balance	8,42,38,901.52	7,65,47,88,981.12	13,84,737.52	12,58,31,098	
Drawals		-		-	
Repayments	-	-			
Closing Balance	8,42,38,901.52	7,65,47,88,981	13,84,737.52	12,58,31,098	
FERV		5,39,12,897		8,86,232	
Closing Balance	8,42,38,901.52	7,70,87,01,878	13,84,737.52	12,67,17,330	
Exch rate 31.03.2024		**91.51**			
2024-25					
Opening Balance	8,42,38,901.52	7,70,87,01,878.10	13,84,737.52	12,67,17,330	
Drawals		-		-	
Repayments	-	-			
Closing Balance	8,42,38,901.52	7,70,87,01,878	13,84,737.52	12,67,17,330	
FERV		20,13,30,975		33,09,523	
Closing Balance	8,42,38,901.52	7,91,00,32,853	13,84,737.52	13,00,26,853	
Exch rate 31.03.2025		**93.9000**			

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Location: NTPC Limited

	EURO Loan Drawl III				
	EUR	**INR**	**KDCMP- EUR**	**KDCMP- INR**	**Previous Year**
			1.5057%	1.5057%	**ERV**
Exch rate		**86.4441**			
2021-22					
Opening Balance					
Drawals	8,45,12,994	7,30,56,48,320	12,72,499	11,00,00,000	
Repayments	-	-			
Closing Balance	8,45,12,993.87	7,30,56,48,320	12,72,498.88	11,00,00,000	
FERV		(5,78,13,966)		(8,70,496)	
Closing Balance	8,45,12,993.87	7,24,78,34,354	12,72,498.88	10,91,29,504	
Exch rate		85.7600			
2022-23					
Opening Balance	8,45,12,993.87	7,24,78,34,354.29	12,72,498.88	10,91,29,504.19	
Drawals		-		-	
Repayments	-	-			
Closing Balance	8,45,12,993.87	7,24,78,34,354	12,72,498.88	10,91,29,504	
FERV		43,18,61,399		65,02,469	
Closing Balance	8,45,12,993.87	7,67,96,95,753	12,72,498.88	11,56,31,973	
Exch rate		90.8700			
2023-24					
Opening Balance	8,45,12,993.87	7,67,96,95,752.97	12,72,498.88	11,56,31,973.48	
Drawals		-		-	
Repayments	-	-			
Closing Balance	8,45,12,993.87	7,67,96,95,753	12,72,498.88	11,56,31,973	
FERV		5,40,88,316		8,14,399	
Closing Balance	8,45,12,993.87	7,73,37,84,069	12,72,498.88	11,64,46,373	
Exch rate 31.03.2024		91.5100			
2024-25					
Opening Balance	8,45,12,993.87	7,73,37,84,069.04	12,72,498.88	11,64,46,372.77	
Drawals		-		-	
Repayments	-	-			
Closing Balance	8,45,12,993.87	7,73,37,84,069	12,72,498.88	11,64,46,373	
FERV		20,19,86,055		30,41,272	
Closing Balance	8,45,12,993.87	7,93,57,70,124	12,72,498.88	11,94,87,645	
Exch rate 31.03.2025		93.9000			

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Reason: AGM(Commercial)
Location: NTPC Limited

	USD 750 Million Drawl I				
	USD	**INR**	**KDCMP- USD**	**KDCMP- INR**	**Previous Year**
			3.5450%	3.5450%	**ERV**
Exch rate					
2021-22					
Opening Balance					
Drawals					
Repayments					
Closing Balance					
FERV					
Closing Balance					
Exch rate		76.162875			
2022-23					
Opening Balance		-	-	-	
Drawals	**10,00,00,000**	7,61,62,87,500	35,45,034.24	27,00,00,000	
Repayments	-	-			
Closing Balance	10,00,00,000.00	7,61,62,87,500	35,45,034.24	27,00,00,000	
FERV		65,77,12,500		2,33,16,133	
Closing Balance	10,00,00,000.00	8,27,40,00,000	35,45,034.24	29,33,16,133	
Exch rate		**82.74**			
2023-24					
Opening Balance	**10,00,00,000**	8,27,40,00,000	35,45,034.24	29,33,16,133.35	
Drawals					
Repayments	-	-			
Closing Balance	10,00,00,000.00	8,27,40,00,000	35,45,034.24	29,33,16,133	
FERV		12,10,00,000		42,89,491	
Closing Balance	10,00,00,000.00	8,39,50,00,000	35,45,034.24	29,76,05,625	
Exch rate 31.03.2024		**83.95**			
2024-25					
Opening Balance	**10,00,00,000**	8,39,50,00,000	35,45,034.24	29,76,05,624.79	
Drawals					
Repayments	-	-			
Closing Balance	10,00,00,000.00	8,39,50,00,000	35,45,034.24	29,76,05,625	
FERV		23,20,00,000		82,24,479	
Closing Balance	10,00,00,000.00	8,62,70,00,000	35,45,034.24	30,58,30,104	
Exch rate 31.03.2025		**86.27**			

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Reason: AGM(Commercial)
Location: NTPC Limited

	USD 750 Million Drawl II				
	USD	**INR**	**KDCMP- USD**	**KDCMP- INR**	**Previous Year**
			3.2551%	3.2551%	**ERV**
Exch rate					
2021-22					
Opening Balance					
Drawals					
Repayments					
Closing Balance					
FERV					
Closing Balance					
Exch rate		79.874375			
2022-23					
Opening Balance	-	-	-	-	
Drawals	**10,00,00,000**	7,98,74,37,500	32,55,111.54	26,00,00,000	
Repayments	-	-			
Closing Balance	10,00,00,000.00	7,98,74,37,500	32,55,111.54	26,00,00,000	
FERV		28,65,62,500		93,27,929	
Closing Balance	10,00,00,000.00	8,27,40,00,000	32,55,111.54	26,93,27,929	
Exch rate		82.7400			
2023-24					
Opening Balance	10,00,00,000.00	8,27,40,00,000.00	32,55,111.54	26,93,27,929.01	
Drawals					
Repayments	-	-			
Closing Balance	10,00,00,000.00	8,27,40,00,000	32,55,111.54	26,93,27,929	
FERV		12,10,00,000		39,38,685	
Closing Balance	10,00,00,000.00	8,39,50,00,000	32,55,111.54	27,32,66,614	
Exch rate 31.03.2024		83.9500			
2024-25					
Opening Balance	10,00,00,000.00	8,39,50,00,000.00	32,55,111.54	27,32,66,613.98	
Drawals					
Repayments	-	-			
Closing Balance	10,00,00,000.00	8,39,50,00,000	32,55,111.54	27,32,66,614	
FERV		23,20,00,000		75,51,859	
Closing Balance	10,00,00,000.00	8,62,70,00,000	32,55,111.54	28,08,18,473	
Exch rate 31.03.2025		86.2700			

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Reason: AGM(Commercial)
Location: NTPC Limited

	USD 750 Million Drawl III				
	USD	**INR**	**KDCMP- USD**	**KDCMP- INR**	**Previous Year**
			2.1575%	2.1575%	**ERV**
Exch rate					
2021-22					
Opening Balance					
Drawals					
Repayments					
Closing Balance					
FERV					
Closing Balance					
Exch rate		81.57605			
2022-23					
Opening Balance	-	-	-	-	
Drawals	**25,00,00,000**	20,39,40,12,500	53,93,739.95	44,00,00,000	
Repayments	-	-			
Closing Balance	25,00,00,000	20,39,40,12,500	53,93,739.95	44,00,00,000	
FERV		29,09,87,500		62,78,044	
Closing Balance	25,00,00,000	20,68,50,00,000	53,93,739.95	44,62,78,044	
Exch rate		83			
2023-24					
Opening Balance	25,00,00,000	20,68,50,00,000	53,93,739.95	44,62,78,044	
Drawals					
Repayments	-	-			
Closing Balance	25,00,00,000	20,68,50,00,000	53,93,739.95	44,62,78,044	
FERV		30,25,00,000		65,26,425	
Closing Balance	25,00,00,000	20,98,75,00,000	53,93,739.95	45,28,04,469	
Exch rate 31.03.2024		84			
2024-25					
Opening Balance	25,00,00,000	20,98,75,00,000	53,93,739.95	45,28,04,469	
Drawals					
Repayments	-	-			
Closing Balance	25,00,00,000	20,98,75,00,000	53,93,739.95	45,28,04,469	
FERV		58,00,00,000		1,25,13,477	
Closing Balance	25,00,00,000	21,56,75,00,000	53,93,739.95	46,53,17,946	
Exch rate 31.03.2025		86.2700			

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Reason: AGM(Commercial)
Location: NTPC Limited

	USD 750 Million Drawl IV				
	USD	**INR**	**KDCMP- USD**	**KDCMP- INR**	**Previous Year**
			2.4254%	2.4254%	**ERV**
Exch rate					
2021-22					
Opening Balance					
Drawals					
Repayments					
Closing Balance					
FERV					
Closing Balance					
Exch rate		82.462			
2022-23					
Opening Balance	-	-	-	-	
Drawals	**10,00,00,000**	8,24,62,00,000	24,25,359.56	20,00,00,000	
Repayments	-	-			
Closing Balance	10,00,00,000	8,24,62,00,000	24,25,359.56	20,00,00,000	
FERV		2,78,00,000		6,74,250	
Closing Balance	10,00,00,000	8,27,40,00,000	24,25,359.56	20,06,74,250	
Exch rate		82.7400			
2023-24					
Opening Balance	10,00,00,000	8,27,40,00,000	24,25,359.56	20,06,74,250	
Drawals					
Repayments	-	-			
Closing Balance	10,00,00,000	8,27,40,00,000	24,25,359.56	20,06,74,250	
FERV		12,10,00,000		29,34,685	
Closing Balance	10,00,00,000	8,39,50,00,000	24,25,359.56	20,36,08,935	
Exch rate 31.03.2024		83.9500			
2024-25					
Opening Balance	10,00,00,000	8,39,50,00,000	24,25,359.56	20,36,08,935	
Drawals					
Repayments	-	-			
Closing Balance	10,00,00,000	8,39,50,00,000	24,25,359.56	20,36,08,935	
FERV		23,20,00,000		56,26,834	
Closing Balance	10,00,00,000	8,62,70,00,000	24,25,359.56	20,92,35,769	
Exch rate 31.03.2025		86.2700			

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Date: 2025.06.28 14:23:24 IST
Reason: AGM(Commercial)
Location: NTPC Limited

	USD 750 Million Drawl V				
	USD	**INR**	**KDCMP- USD**	**KDCMP- INR**	**Previous Year**
			4.4720%	4.4720%	**ERV**
Exch rate					
2021-22					
Opening Balance					
Drawals					
Repayments					
Closing Balance					
FERV					
Closing Balance					
Exch rate		82.736625			
2022-23					
Opening Balance	-	-	-	-	
Drawals	**10,00,00,000**	8,27,36,62,500	44,72,021.91	37,00,00,000	
Repayments	-	-			
Closing Balance	10,00,00,000	8,27,36,62,500	44,72,021.91	37,00,00,000	
FERV		3,37,500		15,093	
Closing Balance	10,00,00,000	8,27,40,00,000	44,72,021.91	37,00,15,093	
Exch rate		82.7400			
2023-24					
Opening Balance	10,00,00,000	8,27,40,00,000	44,72,021.91	37,00,15,093	
Drawals					
Repayments	-	-			
Closing Balance	10,00,00,000	8,27,40,00,000	44,72,021.91	37,00,15,093	
FERV		12,10,00,000		54,11,147	
Closing Balance	10,00,00,000	8,39,50,00,000	44,72,021.91	37,54,26,240	
Exch rate 31.03.2024		83.9500			
2024-25					
Opening Balance	10,00,00,000	8,39,50,00,000	44,72,021.91	37,54,26,240	
Drawals					
Repayments	-	-			
Closing Balance	10,00,00,000	8,39,50,00,000	44,72,021.91	37,54,26,240	
FERV		23,20,00,000		1,03,75,091	
Closing Balance	10,00,00,000	8,62,70,00,000	44,72,021.91	38,58,01,330	
Exch rate 31.03.2025		86.2700			

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Date: 2025.06.25 14:23:24 IST
Reason: AGM(Commercial)
Location: NTPC Limited

	USD 750 Million Drawl VI				
	USD	**INR**	**KDCMP- USD**	**KDCMP- INR**	**Previous Year**
			3.6390%	3.6390%	**ERV**
Exch rate					
2021-22					
Opening Balance					
Drawals					
Repayments					
Closing Balance					
FERV					
Closing Balance					
Exch rate		82.441125			
2022-23					
Opening Balance	-	-	-	-	
Drawals	**10,00,00,000**	8,24,41,12,500	36,38,960.53	30,00,00,000	
Repayments	-	-			
Closing Balance	10,00,00,000.00	8,24,41,12,500	36,38,960.53	30,00,00,000	
FERV		2,98,87,500		10,87,594	
Closing Balance	10,00,00,000.00	8,27,40,00,000	36,38,960.53	30,10,87,594	
Exch rate		82.7400			
2023-24					
Opening Balance	10,00,00,000.00	8,27,40,00,000.00	36,38,960.53	30,10,87,594.33	
Drawals			-	-	
Repayments	-	-			
Closing Balance	10,00,00,000.00	8,27,40,00,000	36,38,960.53	30,10,87,594	
FERV		12,10,00,000		44,03,142	-
Closing Balance	10,00,00,000.00	8,39,50,00,000	36,38,960.53	30,54,90,737	
Exch rate 31.03.2024		83.9500			
2024-25					
Opening Balance	10,00,00,000.00	8,39,50,00,000.00	36,38,960.53	30,54,90,736.57	
Drawals					
Repayments	-	-			
Closing Balance	10,00,00,000.00	8,39,50,00,000	36,38,960.53	30,54,90,737	
FERV		23,20,00,000		84,42,388	
Closing Balance	10,00,00,000.00	8,62,70,00,000	36,38,960.53	31,39,33,125	
Exch rate 31.03.2025		86.2700			

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Date: 2025.06.26 14:23:24 IST
Reason: AGM(Commercial)
Location: NTPC Limited

	JPY Equ. $400 Million Drawl I				
	JPY	**INR**	**KDCMP- JPY**	**KDCMP- INR**	**Previous Year**
			3.5423%	3.5423%	**ERV**
Exch rate					
2021-22					
Opening Balance					
Drawals					
Repayments					
Closing Balance					
FERV					
Closing Balance					
Exch rate					
2022-23					
Opening Balance	-	-	-	-	
Drawals					
Repayments					
Closing Balance					
FERV					
Closing Balance					
Exch rate					
2023-24					
Opening Balance	-	-	-	-	
Drawals	13,51,55,00,000	8,25,72,94,950	47,87,62,570	29,25,00,000	
Repayments	-	-			
Closing Balance	13,51,55,00,000	8,25,72,94,950	47,87,62,570	29,25,00,000	
FERV		- 72,10,52,150		(2,55,41,991)	
Closing Balance	13,51,55,00,000	7,53,62,42,800	47,87,62,570	26,69,58,009	
Exch rate 31.03.2024		0.5576			
2024-25					
Opening Balance	13,51,55,00,000.00	7,53,62,42,800	47,87,62,570	26,69,58,009	
Drawals			-	-	
Repayments	-	-			
Closing Balance	13,51,55,00,000	7,53,62,42,800	47,87,62,570	26,69,58,009	
FERV		24,46,30,550		86,65,603	
Closing Balance	13,51,55,00,000	7,78,08,73,350	47,87,62,570	27,56,23,611	
Exch rate 31.03.2025		0.5757			

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Date: 2025.06.25 14:23:24 IST
Reason: AGM(Commercial)
Location: NTPC Limited

	JPY Equ. $400 Million Drawl II				
	JPY	**INR**	**KDCMP- JPY**	**KDCMP- INR**	**Previous Year**
			2.8122%	2.8122%	**ERV**
Exch rate					
2021-22					
Opening Balance					
Drawals					
Repayments					
Closing Balance					
FERV					
Closing Balance					
Exch rate					
2022-23					
Opening Balance	-	-	-	-	
Drawals					
Repayments					
Closing Balance					
FERV					
Closing Balance					
Exch rate					
2023-24					
Opening Balance	-	-	-	-	
Drawals	13,89,20,00,000	8,17,85,67,700	39,06,74,763	23,00,00,000	
Repayments	-	-			
Closing Balance	13,89,20,00,000	8,17,85,67,700	39,06,74,763.26	23,00,00,000	
FERV		- 43,23,88,500		(1,21,59,752)	
Closing Balance	13,89,20,00,000	7,74,61,79,200	39,06,74,763	21,78,40,248	
Exch rate 31.03.2024		0.55760			
2024-25					
Opening Balance	13,89,20,00,000	7,74,61,79,200	39,06,74,763.26	21,78,40,247.99	
Drawals			-	-	
Repayments	-	-			
Closing Balance	13,89,20,00,000	7,74,61,79,200	39,06,74,763.26	21,78,40,248	
FERV		25,14,45,200		70,71,213	
Closing Balance	13,89,20,00,000	7,99,76,24,400	39,06,74,763	22,49,11,461	
Exch rate 31.03.2025		0.5757			

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Date: 2025.06.25 14:23:24 IST
Reason: AGM(Commercial)
Location: NTPC Limited

	JPY Equ. $400 Million Drawl III				
	JPY	**INR**	**KDCMP- JPY**	**KDCMP- INR**	**Previous Year**
			1.8125%	1.8125%	**ERV**
Exch rate					
2021-22					
Opening Balance					
Drawals					
Repayments					
Closing Balance					
FERV					
Closing Balance					
Exch rate					
2022-23					
Opening Balance	-	-	-	-	
Drawals					
Repayments					
Closing Balance					
FERV					
Closing Balance					
Exch rate					
2023-24					
Opening Balance	-	-	-	-	
Drawals	14,77,60,00,000	8,27,60,40,000	26,78,09,242	15,00,00,000	
Repayments	-	-			
Closing Balance	14,77,60,00,000	8,27,60,40,000	26,78,09,242.10	15,00,00,000	
FERV		(3,69,42,400)		(6,69,567)	
Closing Balance	14,77,60,00,000	8,23,90,97,600	26,78,09,242	14,93,30,433	
Exch rate 31.03.2024		0.5576			
2024-25					
Opening Balance	14,77,60,00,000.00	8,23,90,97,600.00	26,78,09,242.10	14,93,30,433	
Drawals			-	-	
Repayments	-	-			
Closing Balance	14,77,60,00,000	8,23,90,97,600	26,78,09,242.10	14,93,30,433	
FERV		26,74,45,600		48,47,347	
Closing Balance	14,77,60,00,000	8,50,65,43,200	26,78,09,242	15,41,77,781	
Exch rate 31.03.2025		0.5757			

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Date: 2025.06.25 14:23:24 IST
Reason: AGM(Commercial)
Location: NTPC Limited

	JPY Equ. $400 Million Drawl IV				
	JPY	**INR**	**KDCMP- JPY**	**KDCMP- INR**	**Previous Year**
			4.4838%	4.4838%	**ERV**
Exch rate					
2021-22					
Opening Balance					
Drawals					
Repayments					
Closing Balance					
FERV					
Closing Balance					
Exch rate					
2022-23					
Opening Balance	-	-	-	-	
Drawals					
Repayments					
Closing Balance					
FERV					
Closing Balance					
Exch rate					
2023-24					
Opening Balance	-	-	-	-	
Drawals	14,25,65,00,000	8,25,20,18,613	63,92,26,018	37,00,00,000	
Repayments	-	-			
Closing Balance	14,25,65,00,000	8,25,20,18,613	63,92,26,018.19	37,00,00,000	
FERV		(30,25,94,213)		(1,35,67,572)	
Closing Balance	14,25,65,00,000	7,94,94,24,400	63,92,26,018	35,64,32,428	
Exch rate 31.03.2024		0.5576			
2024-25					
Opening Balance	14,25,65,00,000.00	7,94,94,24,400.00	63,92,26,018.19	35,64,32,427.74	
Drawals			-	-	
Repayments	-	-			
Closing Balance	14,25,65,00,000	7,94,94,24,400	63,92,26,018.19	35,64,32,428	
FERV		25,80,42,650		1,15,69,991	
Closing Balance	14,25,65,00,000	8,20,74,67,050	63,92,26,018	36,80,02,419	
Exch rate 31.03.2025		0.5757			

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Date: 2025.06.25 14:23:24 IST
Reason: AGM(Commercial)
Location: NTPC Limited

Name of the Company	NTPC LIMITED
Name of the Power Station	Kerandari Coal Mine

Amortisation Transaction Cost

			-	1,45,42,072	3,16,93,458	1,70,90,681	2,48,715	
Dept	S No	Series/Loan	2020-21	2021-22	2022-23	2023-24	2024-25	
Bonds	1	73	38,984					
Bonds	2	75		867				
Bonds	3	76		14,429				
Bonds	4	78			10,198			
Bonds	5	82					2,48,715	
IF	6	Euro Loan I		86,05,948				
IF	7	Euro Loan II		30,90,258				
IF	8	Euro Loan III		28,30,570				
IF	9	USD 750 Million Drawl I			49,41,360			
IF	10	USD 750 Million Drawl II			45,37,242			
IF	11	USD 750 Million Drawl III			75,18,238			
IF	12	USD 750 Million Drawl IV			33,80,665			
IF	13	USD 750 Million Drawl V			62,33,472			
IF	14	USD 750 Million Drawl VI			50,72,283			
IF	15	JPY Equ. $400 Million Drawl I				47,85,537		
IF	16	JPY Equ. $400 Million Drawl II				37,99,209		
IF	17	JPY Equ. $400 Million Drawl III				24,48,563		
IF	18	JPY Equ. $400 Million Drawl IV				60,57,371		

Bonds	38,984	15,296	10,198	-	2,48,715	-	3,13,193
Budget	-	-	-	-	-	-	-
IF	-	1,45,26,776	3,16,83,260	1,70,90,681	-	-	6,33,00,716
Total	38,984	1,45,42,072	3,16,93,458	1,70,90,681	2,48,715	**Transaction Cost to be amortised**	6,36,13,909
						Transaction Cost not to be amortised	2,44,540
						Total	6,38,58,449
						As per form 14	6,38,58,449
						Diff	-

Amortisation Transaction Cost (GL 4060351-355)

Year	Amount
2020-21	500
2021-22	14,68,101
2022-23	60,75,919
2023-24	1,21,78,007
2024-25	1,27,29,831
Total Amortisation	**3,24,52,359**

Unamortised transaction cost	**3,11,61,550**

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Date: 2025.06.29 14:23:24 IST
Reason: AGM(Commercial)
Location: NTPC Limited

Details of Applicable Statutory Charges

PART- IV
FORM- 16

Name of the Petitioner : NTPC

Name of the Integrated Mine : Kerandari

(Amt in Rs.)

Particulars	Applicable Rate	Quantity	2024-25	2025-26 (01.04.2025 to 31.03.2026)	2026-27	2027-28	2028-29
Royalty (Coal Grade considered G-11)	% of Input Price (Basic Rate as per Govt. of Jharkhand Notification)	14%		215.95	215.95	215.95	215.95
GST under Reverse Charge Mechanism	% of Royalty	18%		38.87	38.87	38.87	38.87
District Mineral Foundation (DMF)	% of Royalty	30%		64.78	64.78	64.78	64.78
GST under Reverse Charge Mechanism	% of DMF	18%		11.66	11.66	11.66	11.66
National Mineral Exploration Trust (NMET)	% of Royalty	2%		4.32	4.32	4.32	4.32
GST under Reverse Charge Mechanism	% of NMET	18%		0.78	0.78	0.78	0.78
Management Fee	Rs per tonne	1.00		1.00	1.00	1.00	1.00
GST under Reverse Charge Mechanism	% of Management Fee	18%		0.18	0.18	0.18	0.18
Mineral Transit Cess (Forest Cess)	Rs per tonne	57.00		57.00	57.00	57.00	57.00
GST under Reverse Charge Mechanism	% of Forest Cess	18%		10.26	10.26	10.26	10.26
Mineral transit fees	Rs per tonne	250.00		250.00	250.00	250.00	250.00
GST under Reverse Charge Mechanism	% Mineral Transit Fees	18%		45.00	45.00	45.00	45.00
Unutilised GST on MDO price	% of Mining Charges	18%		94.91	112.10	112.17	121.97
Total				794.71	811.90	811.97	821.77

Note: Royalty is to be paid at Notified rate by Jharkhand State of equivalent grade.

(Petitioner)

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Date: 2025.06.28 14:23:24 IST
Reason: AGM(Commercial)
Location: NTPC Limited

Details of Mine Closure Expenses

PART- IV
FORM- 17

Name of the Petitioner : NTPC

Name of the Integrated Mine : Kerandari

Amount in Rs Lakhs

1. Amount Deposited in Escrow Account prior to date of Commercial Operation (Rs)	PV	**997.50**
2. Life of Mine over which amount is to be recovered (Yrs)	n	**23**
3. Borrowing Rate per year (%)	r	**6.63**
4. Amount recoverable per Year (Rs)	P = PV x r / [1-(1+r)-n]	**85.68**

5. Deposit after the date of Commercial operation - when mine closure is in scope of Generating Company itself

Production Year No. (1)	Amount of Deposit in Escrow account (2)	Date of Deposit in Escrow account (3)	Interest Earned/Accrued in Escrow account (4)	Amount received from Escrow account towards Mine closure (5)	Admissible Mine closure expense (6)
3	338.00	30-09-2026			338.00
4	355.00	30-09-2027			355.00
5	373.00	30-09-2028			373.00
6	391.50	30-09-2029			391.50

6. Deposit after the date of Commercial operation - when mine closure is in scope of Mine Developer & Operator (MDO)

Production Year No. (1)	Amount of Deposit in Escrow account (2)	Date of Deposit in Escrow account (3)	Borrowing cost at weighted average rate of interest of actual loan (4)	Interest Earned/Accrued in Escrow account (5)	Amount received from Escrow account towards Mine closure (6)	Adjustment to be made in Input price as a part of Mine closure expense (7)
3	338.00	30-09-2026	22.49	13.52		8.97
4	355.00	30-09-2027	46.01	27.72		18.29
5	373.00	30-09-2028	70.72	42.64		28.08
6	391.50	30-09-2029	97.11	58.30		38.81

Note: Rate of interest in escrow account has been provisisonally taken as 4% and the actual interest shall be submitted at the time of truing up.

Petitioner

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Date: 2025.06.29 14:23:24 IST
Reason: AGM(Commercial)
Location: NTPC Limited

Abstract of Capital Cost Estimates and Cost on the date of Commercial Operation of the Integrated Mine

PART- IV
FORM- A

Name of the Petitioner : NTPC

Name of the Integrated Mine: Kerandari

Board of Director/ Agency approving the Capital cost estimates:		Board of Director	
	As per original Investment Approval	As per Revised Investment Approval	Actual
	Completed Cost	Present Day Cost	
Price level of approved estimates		Present Day Cost	As on COD 01.04.2025
Foreign Exchange rate considered for the Capital cost estimates			
Capital Cost excluding IDC, IEDC & FC (Rs. Lakh)			
Foreign Component, if any (In Million US $ or the relevant Currency)			
Domestic Component (Rs. Lakh)	4,13,005	2,84,957	1,10,627
Capital cost excluding IDC, IEDC, FC, FERV & Hedging Cost (Rs. Lakh)	4,13,005	2,84,957	1,10,627
IDC,FC, FERV, WCM & Hedging Cost			
Foreign Component, if any (In Million US $ or the relevant Currency)			
Domestic Component (Rs. Lakh)	5,265	4,707	17,131
Total IDC, WC, FC, FERV & Hedging Cost (Rs. Lakh)	5,265	4,707	17,131
Rate of taxes & duties considered			
Capital cost Including IDC, IEDC, FC, FERV & Hedging Cost			
Foreign Component, if any (In Million US $ or the relevant Currency)			
Domestic Component (Rs. Lakh)	4,18,270	2,89,664	1,27,758
Capital cost Including IDC, IEDC& FC (Rs. Lakh)	**4,18,270**	2,89,664	1,27,758
Schedule			
Scheduled date of commercial operation as per Investment Approval/Mine Plan	Not Defined		
Scheduled date of Peak rated capacity as per Investment Approval/Mine Plan			
Actual COD of last Unit/Block	01.04.2025		

(Petitioner)

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Date: 2025.06.26 14:23:24 IST
Reason: AGM(Commercial)
Location: NTPC Limited

Break-up of Capital Cost forIntegrated Mine

Part - IV
Form-B

Name of the Petitioner : NTPC

Name of the Integrated Mine: Kerandari

(Amount in Rs. Lakh)

S. No.	Break Down	As per Original Investment Approval	As per revised Investment Approval	Gross Block	Actual Capital Expenditure as on date of commercial operation (Cash Basis)	Liabilities/ Provisions	Variation (3A – 4 - 5)	Specific Reasons for Variation	Estimated Capital expenditure up to Peak Rated Capacity
1	2	3	3A		4	5	6	7	
1	**Cost of Land & Site Development**								
1.1	Private Land	60,897.00	6,465.60	3,228.59	2,764.89	463.70	3,700.71		
1.2	Government Land		1,406.94	185.60	185.60	0.00	1,221.34		
1.3	Forest Land		5,900.00	0.00	0.00	0.00	5,900.00		
1.4	CBA Land		27,913.68	25,372.55	24,742.23	630.33	3,171.46		
1.5	Rehabilitation & Resettlement (R&R)	40,858.00	61,378.77	36,328.06	28,467.51	7,860.55	32,911.26		
1.6	Preliminary Investigation & Site Development (Prospecting and Boring)	1,682.00	1,903.15	0.00	0.00	0.00	1,903.15		
	Total Land & Site Development	**1,03,437.00**	**1,04,968.14**	**65,114.80**	**56,160.23**	**8,954.57**	**48,807.91**		
3	**Plant & Machinery**								
3.1	HEMM	1,33,900.00	0.00	0.00	0.00	0.00			
3.2	P&M - Electricals & Other P&M- Other than HEMM	1,36,340.00	1,29,819.80	609.46	551.45	58.01	1,29,268.35		
3.3	Emergency D G Set	0.00	0.00	0.00	0.00	0.00	0.00		
	Total BOP Electrical	**2,70,240.00**	**1,29,819.80**	**609.46**	**551.45**	**58.01**	**1,29,268.35**		
4	Spares	0.00	0.00	0.00	0.00	0.00	0.00		
4.1	Initial Spares	0.00	0.00	0.00	0.00	0.00	0.00		
	Total Plant and Machinery	**2,70,240.00**	**1,29,819.80**	**609.46**	**551.45**	**58.01**	**1,29,268.35**		
	Railway Sidings	13,397.00	16,320.32						
	Total Railway Sidings	**13,397.00**	**16,320.32**	**0.00**	**0.00**	**0.00**	**0.00**		
5	Civil Works			0.00	0.00	0.00	0.00		
5.1	Township & Colony/Aux Building	11,253.00	3,032.84	344.29	322.31	21.98	2,710.53		
5.2	Temporary Construction & Enabling Works	0.00		0.00	0.00	0.00	0.00		
5.3	Roads & Culverts	2,264.00	2,685.53	26.65	26.65	0.00	2,658.89		
5.4	Water Supply& Sewerage	968.00	593.60	14.19	13.77	0.43	579.83		
	Total Civil Works	**14,485.00**	**6,311.98**	**385.12**	**362.72**	**22.40**	**5,949.25**		
6	**Overheads**								
6.1	Establishment (Other Expenditure directly attributable to Construction)	588.00	15,433.47	45,402.27	45,127.49	274.78	-29,694.02	Investment approval was done on 28.08.2019 and COD in year 2025.Considering the effect of the inflation with respect to IA and COD ,increase in establishment expenditure may be attributable to inflation ,increased in repair and maintenance activities due to higher stripping ratio of the Mine ;contribution of depreciation etc.	
6.2	Mine Development expenditure excluding IDC	10,616.00	11,942.74	7,660.00	7,660.00	0.00	4,282.74		

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Date: 2025.06.29 14:23:24 IST
Reason: AGM(Commercial)
Location: NTPC Limited

Break-up of Capital Cost forIntegrated Mine

Part - IV
Form-B

Name of the Petitioner : NTPC

Name of the Integrated Mine: Kerandari

(Amount in Rs. Lakh)

S. No.	Break Down	As per Original Investment Approval	As per revised Investment Approval	Gross Block	Actual Capital Expenditure as on date of commercial operation (Cash Basis)	Liabilities/ Provisions	Variation (3A – 4 - 5)	Specific Reasons for Variation	Estimated Capital expenditure up to Peak Rated Capacity
1	2	3	3A		4	5	6	7	
6.3	MBOA	242.00	160.66	825.85	765.17	60.67	-604.51	The capital investment in furnitures and fittings was for the initial 5 years during the prepration of FR. However due to certain circumstances like deallocation and reallocation of coal block, delay in forest clearance, the mine operation could only be started in 05.04.23 and COD was declared on 01.04.2025. Variation has incresed due to normal course of inflation.	
	Total Overheads	**11,446.00**	**27,536.86**	**53,888.12**	**53,552.66**	**335.46**	**-26,015.80**		
7	**Total Capital cost excluding IDC & FC**	**4,13,005.00**	**2,84,957.11**	**1,19,997.50**	**1,10,627.06**	**9,370.44**	**1,58,009.73**		
8	IDC, FC, FERV & Hedging cost			0.00	0.00	0.00	0.00		
8.1	Interest During Construction (IDC)	2,005.00	4,707.01	16,803.69	16,803.69	0.00	-12,096.68	It is submitted that during the preparation of Financial Appraisal Report, construction period of 2 years upto first touching of coal was envisaged and IDC upto first touching of coal was included in Investment Approval. However, first coal touched in Jan. 2024and COD was declared on 01.04.2025. Interest on loans upto Commercial Operation Date of the project was capitalized in line with the accounting practices. Regulation 41 also provides that IDC upto date of commercial operation shall be considered for arriving at the capital cost of the project. Hon'ble Commission may be pleased to allow the IDC as claimed.	
8.2	Financing charges (FC)			326.97	326.97	0.00	-326.97		
8.3	Foreign Exchange Rate Variation (FERV)	0.00		0.00	0.00	0.00	0.00		
8.4	Hedging cost	0.00		0.00	0.00	0.00	0.00		
8.5	WCM	3,260.00		0.00	0.00	0.00	0.00		
	Total of IDC, FC, FERV & Hedging cost	**5,265.00**	**4,707.01**	**17,130.66**	**17,130.66**	**0.00**	**-12,423.65**		
9	Capital cost including IDC,FC,FERV & Hedging cost		0.00	0.00	0.00	0.00	0.00		
11	**Total**	**4,18,270.00**	**2,89,664.12**	**1,37,128.16**	**1,27,757.72**	**9,370.44**	**1,45,586.08**		

(Petitioner)

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Reason: AGM(Commercial)
Location: NTPC Limited

Break-up of Construction/Supply/Service packages							PART- IV FORM- C
Name of the Petitioner : NTPC							
Name of the Integrated Mine: Kerandari							
							(Amount in Rs. Lakh)
S. No.	**Name/No. of Construction / Supply / Service Package**	**Land Acquisition**		**Mine development expenses**	**MBOA**	**Other Misc Works**	**Total Cost of all packages**
1	Scope of works (in line with head of cost break-ups as applicable)	Lease Hold Land	R&R Expenses	Mine development expenses			
2	Whether awarded through ICB/DCB/ Departmentally/ Deposit Work			DCB	DCB	DCB	DCB
3	No. of bids received			138	102	44	284
4	Date of Award						
5	Date of Start of work						
6	Date of Completion of Work/Expected date of completion of work						
7	Value of Award in (Rs. Lakh)			78,220.45	835.53	994.58	91,798.28
8	Firm or With Escalation in prices			Escalation	Firm	Escalation	Firm & Escalation
9	Actual capital expenditure till the completion or up to date of commercial operation whichever is earlier(Rs.Lakh)	28,786.74	36,328.06	7,660.00	825.85	994.58	74,595.22
10	Taxes & Duties and IEDC (Rs. Lakh)			45,402.27			45,402.27
11	IDC, FC, FERV & Hedging cost (Rs. Lakh)			17,130.66			17,130.66
12	Sub -total (9+10+11) (Rs. Lakh)	28,786.74	36,328.06	70,192.93	825.85	994.58	1,37,128.16
							(Petitioner)

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Reason: AGM(Commercial)
Location: NTPC Limited

PART-IV
Form-E

Reconciliation of capitalization claimed vis-à-vis books of accounts

Name of the Petitioner : NTPC
Name of the Integrated Mine: Kerandari

(Amount in Rs. Lakh)

S. No.	Particulars		2025-26
1	**2**		**3**
1	Closing Gross Block as per IND AS		
2	Ind-AS Adjustment		
3	Closing Gross Block as per I GAAP		
4	Opening Gross Block as per IND AS		1,51,086.46
5	Add/Less: Adjustments		-13,958.30
	1) Leasehold land Ind AS	-5,274.40	
	2) Strip Ratio Provision	4,277.10	
	3) Site Restoration Cost	-12,961.00	
6	Opening Gross Block as per I GAAP		**1,37,128.16**
7	**Total Additions as per books (G = 3 - 5)**		
8	Less: Additions pertaining to other Mines		
9	**Net Additions pertaining to instant Mine**		
10	Less: Exclusions (items not allowable / not		
11	**Net Additional Capital Expenditure**		
12	**Less: Un-discharged Liabilities**		
13	**Add: Discharges of un-discharged liabilities,**		
14	**Net Additional Capital Expenditure**		

Note: Other figures to be provided at the time of truing-up

(Petitioner)

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Reason: AGM(Commercial)
Location: NTPC Limited

Statement of Capital cost				PART- IV FORM- G
Name of the Petitioner : NTPC				
Name of the Integrated Mine: Kerandari				
				(Amount in Rs. Lakh)
S. No.	**Particulars**	**As on COD**		
		Accrual Basis	**Un-discharged Liabilities**	**Cash Basis**
A	a) Opening Gross Block Amount as per books (Indian GAAP)	1,37,128.16	9,370.44	1,27,757.72
	b) Amount of IDC in A(a) above	16,803.69	-	16,803.69
	c) Amount of FC in A(a) above	326.97	-	326.97
	d) Amount of FERV in A(a) above	-	-	-
	e) Amount of Hedging Cost in A(a) above			-
	f) Amount of IEDC in A(a) above	45,402.27		45,402.27
B	a) Addition in Gross Block Amount during the period (Direct purchases) (Indian GAAP)	Shall be provided at the time of truing up		
	b) Amount of IDC in B(a) above			
	c) Amount of FC in B(a) above			
	d) Amount of FERV in B(a) above			
	e) Amount of Hedging Cost in B(a) above			
	f) Amount of IEDC in B(a) above			
C	a) Addition in Gross Block Amount during the period (Transferred from CWIP) (Indian GAAP)			
	b) Amount of IDC in C(a) above			
	c) Amount of FC in C(a) above			
	d) Amount of FERV in C(a) above			
	e) Amount of Hedging Cost in C(a) above			
	f) Amount of IEDC in C(a) above			
D	a) Deletion in Gross Block Amount during the period (Indian GAAP)			
	b) Amount of IDC in D(a) above			
	c) Amount of FC in D(a) above			
	d) Amount of FERV in D(a) above			
	e) Amount of Hedging Cost in D(a) above			
	f) Amount of IEDC in D(a) above			
E	a) Closing Gross Block Amount as per books (Indian GAAP)			
	b) Amount of IDC in E(a) above			
	c) Amount of FC in E(a) above			
	d) Amount of FERV in E(a) above			
	e) Amount of Hedging Cost in E(a) above			
	f) Amount of IEDC in E(a) above			

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Reason: AGM(Commercial)
Location: NTPC Limited

Statement of Capital Works in Progress				PART- IV FORM- H
Name of the Petitioner : NTPC				
Name of the Integrated Mine: Kerandari				
				(Amount in Rs. Lakh)
S. No.	**Particulars**	**As on COD**		
		Accrual Basis	**Un-discharged Liabilities**	**Cash Basis**
A	a) Opening CWIP as per books (Indian GAAP)	75,820.96	10,242.52	65,578.44
	b) Amount of IDC in A(a) above	7,499.65		7,499.65
	c) Amount of FC in A(a) above			
	d) Amount of FERV in A(a) above	-		-
	e) Amount of Hedging Cost in A(a) above			
	f) Amount of IEDC in A(a) above			
B	a) Addition in CWIP during the period(Indian GAAP)	Shall be provided at the time of truing up		
	b) Amount of IDC in B(a) above			
	c) Amount of FC in B(a) above			
	d) Amount of FERV in B(a) above			
	e) Amount of Hedging Cost in B(a) above			
	f) Amount of IEDC in B(a) above			
C	a) Transferred to Gross Block Amount during the period (Indian GAAP)			
	b) Amount of IDC in C(a) above			
	c) Amount of FC in C(a) above			
	d) Amount of FERV in C(a) above			
	e) Amount of Hedging Cost in C(a) above			
	f) Amount of IEDC in C(a) above			
D	a) Closing CWIP as per books (Indian GAAP)			
	b) Amount of IDC in E(a) above			
	c) Amount of FC in E(a) above			
	d) Amount of FERV in E(a) above			
	e) Amount of Hedging Cost in E(a) above			
	f) Amount of IEDC in E(a) above			
				(Petitioner)

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Date: 2025.06.26 14:23:24 IST
Reason: AGM(Commercial)
Location: NTPC Limited

Calculation of Interest on Normative Loan

PART- IV
FORM- I

Name of the Petitioner : NTPC

Name of the Integrated Mine : Kerandari

(Amount in Rs Lakh)

S. No.	Particulars	Existing 2022-23	2024-25	2025-26 (01.04.2025 to 31.03.2026)	2026-27	2027-28	2028-29
1	2	3	4	5	6	7	8
1	Gross Normative loan – Opening	NA	NA	96,451.66	1,02,751.66	1,62,601.66	1,86,331.66
2	Cumulative repayment of Normative loan up to previous year			-	6,325.80	14,770.15	27,489.18
3	**Net Normative loan – Opening**			96,451.66	96,425.87	1,47,831.51	1,58,842.48
4	Add: Increase due to addition during the year			6,300.00	59,850.00	23,730.00	5,600.00
5	Less: Decrease due to de-capitalisation during the year			-	-	-	-
6	Add: Increase due to discharges during the year / period			-	-	-	-
6A	Less: repayment during the period			6,325.80	8,444.36	12,719.03	14,119.10
7	**Net Normative loan - Closing**			96,425.87	1,47,831.51	1,58,842.48	1,50,323.38
8	**Average Normative loan**			96,438.76	1,22,128.69	1,53,336.99	1,54,582.93
9	Weighted average rate of interest			6.65%	6.62%	6.63%	6.74%
10	Interest on Loan			6,416.48	8,090.35	10,160.55	10,417.80

(Petitioner)

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Date: 2025.06.28 14:23:24 IST
Reason: AGM(Commercial)
Location: NTPC Limited

Calculation of Interest on Working Capital

PART- IV
FORM- J

Name of the Petitioner : NTPC

Name of the Integrated Mine : Kerandari

(Amount in Rs Lakh)

S. No.	Particulars		2024-25	2025-26 (01.04.2025 to 31.03.2026)	2026-27	2027-28	2028-29
1	2	3	4	5	6	7	8
1	Input Cost of Coal Stock for 7 days of Production corresponding to ATQ for the relevant year	Not Applicable	Not Applicable	3627.72	4935.24	5296.09	5470.78
2	Consumption of stores and spare including explosives, lubricants and fuels (@ 15%) of O&M expenses excluding mining charge of MDO or annual charge of any agency other than MDO			1627.90	1722.01	1812.08	1906.98
3	One Month O & M Expenses excluding mining charge of MDO or annual charge of any agency other than MDO			904.39	956.67	1006.71	1059.43
4	Total Working Capital			6160.02	7613.93	8114.88	8437.19
5	Rate of Interest			12.25	12.25	12.25	12.25
6	Interest on Working Capital			**754.60**	**932.71**	**994.07**	**1033.56**

(Petitioner)

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Date: 2025.06.28 14:23:24 IST
Reason: AGM(Commercial)
Location: NTPC Limited

Incidental Expenditure up to date of commencement of Production and up to Actual date of commercial operation			PART- IV FORM- K
Name of the Petitioner : NTPC			
Name of the Integrated Mine : Kerandari			
			(Amount in Rs. Lakh)
S. No.	**Parameters**	**As on date of commencement of Production**	**As on actual/anticipated date of commercial operation**
A	**Head of Expenses:**		
1	Employees' Benefits Expenses	10,284.59	14,214.16
2	Other Finance Charges	2,501.06	3,123.45
3	Communication Expenses	163.57	191.09
4	Power Charges	103.36	148.59
5	Water Charges	26.73	38.88
6	Depreciation	1,821.52	5,281.78
7	EDP hire and other charges	25.59	26.72
8	Entertainment expenses	63.84	118.26
9	Vehicle running expenses	972.22	1,494.58
10	Insurance	4.58	4.82
11	Legal expenses	22.83	65.06
12	Miscellaneous expenses	142.57	171.85
13	Printing and stationery	35.40	54.76
14	Rates and taxes	700.42	757.01
15	Rent	121.42	144.23
16	Security expenses	2,667.81	3,838.91
17	Repair & Mtce	1,945.25	4,639.82
18	Advertisement and publicity	123.62	156.69
19	CC allocation	2,134.94	3,200.31
20	Professional charges and consultancy fees	1,127.75	1,264.50
21	Canteen expenses	24.23	30.66
22	Manpower hiring expenses	-	-
23	Other Pre-Operating Expenses -Cost of captive coal produced	2,230.71	43,661.58
B	**Total Expenses**	**27,244.02**	**82,627.69**
1	Less: Income from sale of tenders	-1.77	-1.77
2	Less: Income recovered from Contractors	-243.80	-243.80
3	Less: Other Misc Income	-34.24	-36.86
4	Less: Pre Commsioning Income on Sale of Coal	-567.06	-36,942.99
Establishment (Other Expenditure directly attributable to Construction)		**26,397.16**	**45,402.27**
			(Petitioner)

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Reason: AGM(Commercial)
Location: NTPC Limited

Actual cash expenditure							PART- IV FORM- M
Name of the Petitioner : NTPC							
Name of the Integrated Mine : Kerandari							
							(Amount in Rs. Lakh)
Particulars	**Expenditure towards Gross Block**	**Add: Expenditure towards CWIP**	**Add: Capital Advances, if any**	**Less: Un-discharged liabilities (included)**	**Add/Less: Others (Dep_Adj)**	**Payment to contractors / suppliers towards capital assets**	**Cumulative payments**
Q42006-07						-	-
Q12007-08						-	-
Q42007-08						-	-
Q12008-09	-	173.70				173.70	173.70
Q22008-09	-	1.22				1.22	174.93
Q32008-09	-	114.11				114.11	289.04
Q42008-09	-	139.49				139.49	428.53
Q12009-10	-	66.31				66.31	494.85
Q22009-10	-	10.13				10.13	504.98
Q32009-10	-	117.54				117.54	622.52
Q42009-10	-	49.65				49.65	672.17
Q12010-11	-	85.49				85.49	757.66
Q22010-11	-	107.96				107.96	865.62
Q32010-11	-	97.15				97.15	962.77
Q42010-11	3,069.91	110.78				3,180.69	4,143.46
Q12011-12	-	137.80				137.80	4,281.26
Q22011-12	-	89.09				89.09	4,370.35
Q32011-12	-	83.43				83.43	4,453.78
Q42011-12	1,039.35	963.45				2,002.80	6,456.58
Q12012-13	-	81.49				81.49	6,538.07
Q22012-13	-	93.16				93.16	6,631.23
Q32012-13	-	100.60				100.60	6,731.83
Q42012-13	523.85	165.81				689.66	7,421.49
Q12013-14	0.03	87.59				87.62	7,509.11
Q22013-14	-	109.72				109.72	7,618.83
Q32013-14	647.65	70.71				718.36	8,337.19
Q42013-14	3,762.16	81.11				3,843.27	12,180.47
Q12014-15	-	93.46				93.46	12,273.93
Q22014-15	-	127.90				127.90	12,401.83
Q32014-15	-	695.91				695.91	13,097.73
Q42014-15	2,439.88	5,702.53				8,142.42	21,240.15
Q12015-16	2,952.83	162.67				3,115.50	24,355.65
Q22015-16	-	144.25				144.25	24,499.91
Q32015-16	-	136.83				136.83	24,636.73
Q42015-16	2,608.78	354.09				2,962.87	27,599.61
Q12016-17	2,339.24	164.78				2,504.02	30,103.63
Q22016-17	-	174.71				174.71	30,278.34
Q32016-17	-	118.65				118.65	30,396.99
Q42016-17	1.80	310.44	1,671.39			1,983.63	32,380.62
Q1 2017-18	1,033.62	204.40	-			1,238.02	33,618.64
Q2 2017-18	-	20.03	-			20.03	33,638.67
Q3 2017-18	-	164.86	-			164.86	33,803.53
Q4 2017-18	-	200.64	5.58			206.22	34,009.75
Q1 2018-19	6,584.81	184.91	-			6,769.72	40,779.47
Q2 2018-19	-	238.30	-			238.30	41,017.78
Q3 2018-19	3.00	-99.07	-			-96.07	40,921.71
Q4 2018-19	8.28	3353.65	7,781.06			11,142.98	52,064.69
Q1 2019-20	6.06	342.38				348.44	52,413.13
Q2 2019-20	14.60	356.98				371.58	52,784.71
Q3 2019-20	23.67	380.65				404.32	53,189.03
Q4 2019-20	98.42	479.07				577.49	53,766.52
Q1 2020-21	12085.84	-2179.91	3,168.44			13,074.36	66,840.88
Q2 2020-21	606.96	1216.83	459.25	-305.01		2,588.05	69,428.93
Q3 2020-21	1278.95	3413.78	7,288.17	207.42		11,773.48	81,202.41
Q4 2020-21	1186.06	6973.01	-658.12	24,197.66		-16,696.72	64,505.70
Q1 2021-22	283.30	8265.24	-840.99	-4,987.73		12,695.28	77,200.98
Q2 2021-22	1,266.93	3,363.46	55.6	-46.84		4,732.83	81,933.81
Q3 2021-22	1,911.78	6,462.16	-12.48	952.39		7,409.07	89,342.88
Q4 2021-22	6,708.67	7,381.64	-3,630.85	10,493.00		-33.54	89,309.33
Q1 2022-23	702.03	4,617.11	-1,221.48	-10,156.71		14,254.37	1,03,563.70
Q2 2022-23	492.48	9,614.63	5,010.45	523.23		14,594.33	1,18,158.03
Q3 2022-23	732.18	8,394.75	-126.37	-290.2		9,290.76	1,27,448.79
Q4 2022-23	1,752.32	8,443.14	-353.89	15517.80		-5,676.22	1,21,772.57
Q1 2023-24	1,090.53	6,243.16	371.52	-836.74		8,541.95	1,30,314.52
Q2 2023-24	1,494.17	7,601.21	148.15	616.08		8,627.45	1,38,941.97
Q3 2023-24	1,393.52	6,801.09	-353.53	-2,733.50		10,574.58	1,49,516.55
Q4 2023-24	1,837.19	11,292.56	-59.53	-4,430.38		17,500.59	1,67,017.14
Q1 2024-25	725.48	6,652.35	52.88	-2,314.63		9,745.34	1,76,762.48
Q2 2024-25	1,207.82	6,585.14	-101.62	-2,640.16		10,331.50	1,87,093.98
Q3 2024-25	1,062.43	8,086.34	1,370.26	-4,588.97		15,108.00	2,02,201.98
Q4 2024-25	6,235.74	2,633.04	-2,597.10	436.25		5,835.43	2,08,037.41
COD -01.04.25	65,915.83	-63,190.30			-5,281.78	-2,556.24	2,05,481.17
Total	**1,37,128.16**	**75,820.96**	**17,426.78**	**19,612.96**	**-5,281.78**	**2,05,481.17**	

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Date: 2025.06.25 14:23:24 IST
Reason: AGM(Commercial)
Location: NTPC Limited

	Statement of Liability Flow							PART- IV FORM- N
	Name of the Petitioner : NTPC							
	Name of the Integrated Mine : Kerandari							
								Amount in Rs Lakhs
S/N	**Name of the Party**	**Name of Work**	**Year of actual capitalization**	**Original Liability in case date of commercial operation is prior to 31.3.2024**	**Liability as on CoD 01.04.2025**	**Discharges (Year wise)**	**Reversal (Year wise)**	**Net Liability at end of each year**
1	Various Parties	Private Land	2025-26		463.70			
2	Various Parties	Rehabilitation & Resettlement (R&R)	2025-26		7,860.55			
3	Various Parties	CBA Land	2025-26		630.33			
4	PACIFIC PORTA CABINS & Others	Township & Colony/Aux Building	2025-26		21.98			
5	INDRAJEET KUMAR SAW	Water Supply& Sewerage	2025-26		0.43			
6	BANAVATHY POWER SYSTEMS PVT LTD ,SVS TECHNOLOGY SERVICES PVT LTD & Others	P&M - Electricals & Other P&M	2025-26		58.01			
7	DIGITECH MEDIA PRODUCTS PVT. LTD , BHARAT COMPUTER THEOREM and Others	MBOA	2025-26		60.67			
8	PACIFIC PORTA CABINS , EPSILON ENTERPRISE and others	Establishment (Other Expenditure directly attributable to Construction)	2025-26		274.78			
				Total	**9,370.44**			
								(Petitioner)

Signature Not Verified
Digitally signed by PARIMAL PIYUSH
Date: 2025.06.28 14:23:24 IST
Reason: AGM(Commercial)
Location: NTPC Limited

ANNEXURE II

No. 13016/29/2003-CA-I
Government of India
Ministry of Coal
.....

New Delhi, dated the 25th January, 2006.

To

The Chairman-cum-Managing Director,
National Thermal Power Corporation Limited,
NTPC Bhawan,
SCOPE Complex, Lodhi Road,
New Delhi – 110 003.

Subject : Allocation of Kerandari, Chatti Bariatu in North Karanpura coalfield in Jharkhand, Chhatrasal in Singrauli coalfield in Madhya Pradesh and Dulanga in Ib valley coalfield in Orissa for mining of coal for their Power Plants to M/s. National Thermal Power Corporation (NTPC).

Sir,

I am directed to refer to your letter No. 01/FM &MO/Coal Mining/006-623 dated 01.03.2005 and to state that the Central Government, after considering your request, has decided to allocate the four coal blocks viz., Kerandari (229 mt.), Chatti Bariatu (243 mt.) in North Karanpura coalfield in Jharkhand, Chhatrasal (150 mt.) in Singrauli coalfield in Madhya Pradesh and Dulanga (260 mt.) in Ib valley coalfield in Orissa for mining of coal for exclusive use in your specified proposed Power Plants (details of location, capacity, coal requirement and schedule for commissioning of each associated power plant to be provided by NTPC). This allocation is in pursuance of the provisions contained in Section 3(3)(a)(iii) of the Coal Mines (Nationalisation) Act, 1973. The allocation of these blocks is subject to the following conditions:

i) The allocation of the 4 blocks to M/s. NTPC has been made to meet the coal requirement of the following Power projects.

Coal Block	Power Project/location Name / Capacity	Coal requirement (mtpa)
Kerandari Chatti Bariatu Chhatrasal Dulanga	(Details to be provided by NTPC)	

M/s. NTPC shall provide the above details within 15 days of the date of issue of this letter.

V. S. RANA
Under Secretary
Govt. of India
New Delhi

SANJIV KUMAR SINGH
Recognised Qualified Person
No. 34011/(15)/2009-CPAM
Ministry of Coal, Govt. of India

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Digitally signed by PARIMAL PIYUSH
Date: 2025.06.26 14:23:24 IST
Reason: AGM(Commercial)
Location: NTPC Limited

ii) The coal produced from the block shall not replace any coal linkage given to M/s. NTPC by the Coal India Limited/ its subsidiary companies and/ or by the Singareni Collieries Company Limited.

iii) The block is meant for captive use in their own specified end use projects i.e. Power Generation.

iv) The company will use the middlings generated in the process of washing for power generation i.e.the useable middings/rejects generated during beneficiation shall be used captively by the allocattee. The modalities of disposal of surplus coal/ middlings/ rejects if any, would be as per the prevailing policy/ instructions of the Government at the relevant point in time and could also include handing over such surplus coal/ middlings/rejects to the local CIL subsidiary or to any person designated by it at a transfer price to be determined by the Government.

v) The coal production from the captive blocks shall commence within 36 months (42 months in case the area is in forest land) of the date of this letter in OC mine and in 48 months(54 months in case the area fall under forest land) from the date of this letter in UG mine. The power projects based on coal from these blocks shall commence generation latest by the end of the 11th Five Year Plan. The end use project schedule and the coal mine development schedule should be submitted to this Ministry within 3 months from the date of this letter. A copy of the indicative milestone chart is enclosed.

vi) The Company shall buy the Geological report from CMPDIL within six weeks of the date of this letter.

vii) The company shall submit a mining plan for approval by the competent authority under the Central Government within six months from the date of this letter.

viii) The progress of the mine will be monitored annually with respect to the approved mining plan, which will mention the zero date

ix) No coal shall be sold, delivered, transferred or disposed of except for the stated captive mining purposes except with the previous approval of the Central Government.

x) Mining of Coal from the allocated captive coal block shall be carried out in accordance with the applicable Statutes/Rules/Orders/Directions governing the mining of coal in the country.

xi) The allocated coal blocks of Kerandari and Chatti Bariatu are overlapped by Coal Bed Methane (CBM) block given to the Oil and Natural Gas Commission (ONGC) for exploration. Process to exclude this captive coal block from the boundary of the CBM block has been initiated. In case the exclusion does not materialize

V. S. RANA
Under Secretary
(Ministry of Coal)
Govt. of India

Signature Not Verified
Digitally signed by PARIMAL PIYUSH
Date: 2025.06.26 14:23:24 IST
Reason: AGM(Commercial)
Location: NTPC Limited

SANJIV KUMAR SINGH
Recognised Qualified Person
No. 34011/(15)/2009-CPAM

whatever reasons, then this allocation would be subject to the exploration rights accruing to the ONGC over the said CBM block. The allocatee of the captive coal block shall extend all reasonable co-operation, assistance and facility to the ONGC for carrying out the CBM exploration operations in the over-lap region without any additional cost to the ONGC.

xii) Those of the above conditions relevant at the time of grant of mining lease shall be included as additional conditions in the mining lease in addition to any further conditions imposed by or agreed to by the Central Govt.

xiii) The State Government at the time of seeking previous approval for the grant of mining lease shall submit a draft of the mining lease containing the above relevant conditions for vetting by the Central Govt. The final mining lease shall be as vetted/modified by the Central Govt. Any deviation from the vetted/modified draft shall render the mining lease deed *ab-initio* null and void and without effect.

2. Allocation / mining lease of the coal block may be cancelled, inter-alia, on the following grounds :-

(a) Unsatisfactory progress of implementation of their end use sponge iron plant / power plant.

b) Unsatisfactory progress in the development of coal mining project.

c) For breach of any of the conditions of allocation mentioned above.

The De-allocation/cancellation of mining lease shall be without any liability to the Government or its agencies, whatsoever. Any expenses incurred by the allocatee or any right or liability arising on the allocattee out of the measures taken by him shall solely be to his account and in no way be transferred to or borne by the Government or its agencies.

3. The company may approach CMPDIL for the geological report and contact the State Government authorities concerned for the necessary permissions/clearances etc. for attaining mining rights and related matters. The arrangement of transport of coal will have to be worked out by the company.

V. S. RANA
Under Secretary
Ministry of Coal
Govt. of India
New Delhi

Yours faithfully,

SANJIV KUMAR SINGH
Recognised Qualified Person
No. 34011/(15)/2009-CPAM
Ministry of Coal, Govt. of India

Under Secretary to the Govt. of India.

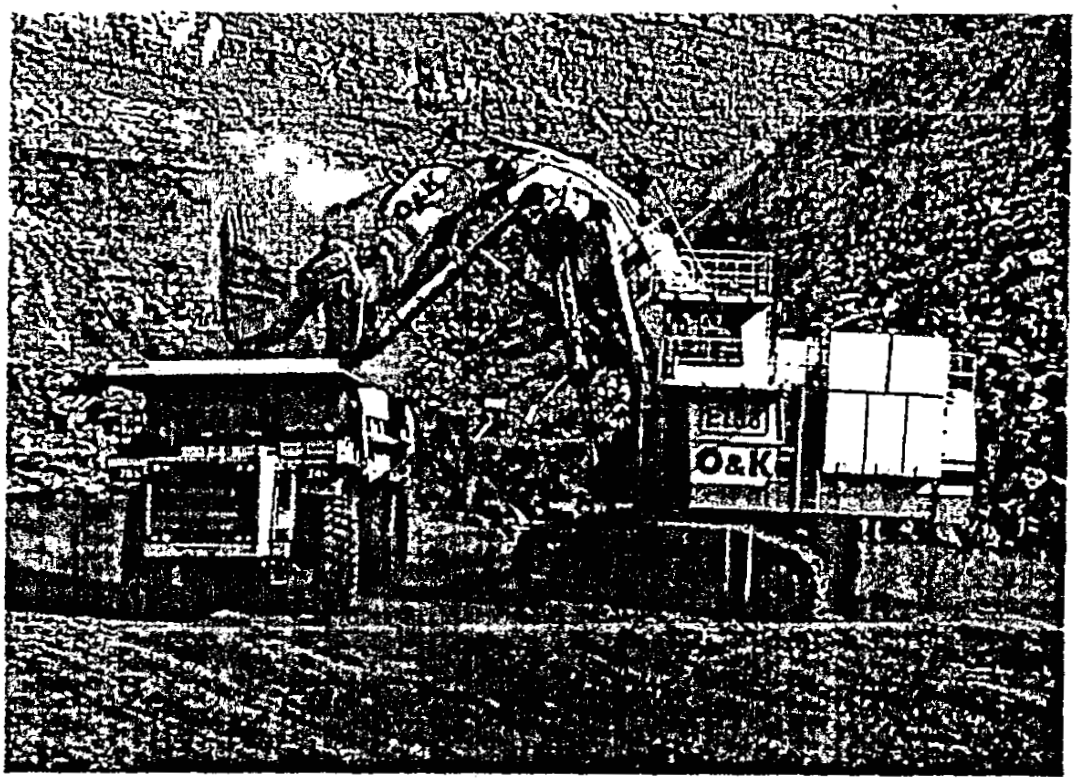
Encls. As above.

Signature Not Verified
Digitally signed by PARIMAL PIYUSH
Date: 2025.06.26 14:23:24 IST
Reason: AGM(Commercial)
Location: NTPC Limited

NTPC LIMITED

KERENDARI 'A' COAL BLOCK
N. KARANPURA COALFIELD, DT- HAZARIBAGH
MINING PLAN

VOLUME – I
(TEXT)



NOVEMBER 2007

ACMM Pvt. Ltd.
511/2/1, Rajokri, New Delhi-110038

Signature Not Verified
Digitally signed by PARIMAL AYUSH
Date: 2025.06.26 14:23:24 IST
Reason: AGM(Commercial)
Location: NTPC Limited

NTPC LIMITED

MINING PLAN

Submitted under Rule 22(4) of Mineral Concession Rules, 1960
(Amendment 1994) for grant of Mining Lease

KERENDARI 'A' COAL BLOCK,
North Karanpura Coalfield at Villages Tarhesa, Pandu, Pagar, Kabed, Baledeori, Basaria, Lochar, etc
District- Hazaribagh, State- Jahrkhand

VOL-I (Text)

(Area allocated as per MOC letter of allotment No.13016/29/2003-CA-I,New Delhi dated 25th Jan 2006 for which *Mining Plan is prepared under provisions of* MC Rules 1960/ MMRD Act 1957- 654 Ha)

November 2007

RQP No. 34011/(30)/2006-CPAM

ACMM Pvt Ltd
4-D Local Shopping Centre
A-Block, Naraina, Ring Road, New Delhi-110028

Signature Not Verified
Digitally signed by PARIMAL PIYUSH
Date: 2025.06.26 14:23:24 IST
Reason: AGM(Commercial)
Location: NTPC Limited

No. 13016/29/2003-CA-I
Government of India
Ministry of Coal

.....

New Delhi, the 4th August, 2008.

To

Dy. General Manager (PE-Mech),
National Thermal Power Corporation Limited,
5th Floor, Engineering Office Complex, Sector-24,
NOIDA – 201 301,
Uttar Pradesh.

Subject : Approval of Mining Plan (November, 2007) in respect of Kerandari 'A' coal mining block, North Karanpura Coalfield, Dist. Hazaribagh, Jharkhand.

.....

Sir,

I am directed to refer to your letter No. NTPC:PE-MP&D:7012 dated 27.11.2007 on the subject mentioned above and to convey the approval of the Central Government under Section 5 (2)(b) of the Mines & Minerals (Development & Regulation) Act, 1957 to the Mining Plan for Kerendari 'A' (November, 2007) coal mining block, N. Karanpura Coalfield, Dist. Hazaribagh, Jharkhand relating to NTPC Limited to be read alongwith company's letter / clarifications dated 07.03.2008 and 14.05.2008 with the following conditions :-

i) The mining company shall take all necessary precautions regarding safety of mine workings, persons deployed therein.

ii) The approval of the mining plan is without prejudice to the requirement of approvals from competent/prescribed authority under the relevant rules/regulations, etc.

2. Two copies of the approved mining plans duly signed by the competent authority are forwarded herewith with the request that a copy of the approved mining plan may be submitted to the Government of Jharkhand for further necessary action in regard to grant of mining lease. A photocopy of the approved mining plan may also be sent to the Coal Controller, who has been entrusted with the task of monitoring the progress of development of the coal mine and the end-use project under intimation to this Ministry.

Yours faithfully,

(V.S. Rana)
Under Secretary to the Govt. of India.

Encls. As above.

Signature Not Verified
Digitally signed by PARIMAL PIYUSH
Date: 2025.06.25 14:23:24 IST
Reason: AGM(Commercial)
Location: NTPC Limited

एनटीपीसी NTPC 1975-2005
ऊर्जा प्रगति की शक्ति

एन टी पी सी लिमिटेड
भारत सरकार का उद्यम
NTPC Limited
A Govt. of India Enterprise
(Formerly National Thermal Power Corporation Ltd.)
कॉर्पोरेट सेंटर/Corporate Centre, Noida

Ref: NTPC: PE-MP&D: 7011

Date: 07/03/08

To,
Section Officer (CPAM)
Ministry of Coal,
Shastri Bhawan,
New Delhi

Kind Attention: Ms. Geeta Mishra

Sub: **Reply to observations of Standing Committee for approval of Mining Plan for Kerendari 'A' Coal Block allocated to NTPC**

Dear Sir,

This has reference to your letter no 34011/ (02)/2008-CPAM dated 15-02-2008 regarding our proposal for approval of Mining Plan of Kerendari 'A' Coal Block, North Karanpura Coalfield, District-Hazaribagh.

Our replies on the observations duly certified by the Recognised Qualified Person are enclosed herewith.

It is requested that the approval of the Mining Plan may please be arranged at the earliest.

7/3/08.

Thanking You,

Yours Sincerely,

Sunil Jumde
Deputy General Manager (PE-Mech)
5th Floor, Engineering Office Complex, Sector-24
NTPC Ltd. NOIDA-201301
Tel.no: 0120-2410418,9868390561 (M)
FAX NO. 0120-2410136/37
Email: suniljumde@ntpceoc.co.in

Signature Not Verified
Digitally signed by PARIMAL PIYUSH
Date: 2025.06.25 14:23:24 IST
Reason: AGM(Commercial)
Location: NTPC Limited

No.34011/(02)/2008-CPAM
Government of India
Ministry of Coal

New Delhi, the 15-02-2008.

To

Shri Sunil Jumde,
Deputy General Manager (PE-Mech)
5th Floor, Engineering Office complex, Sector-24,
NTPC Ltd., Noida-201301.
(FAX NO.0120-2410135, 67)
(Tele :0120-2410418)

Subject :	Presentation for approval of Mining Plan for Kerendari 'A' Coal Block, N Karanpura Coalfield, District Hazaribagh, Jharkhand submitted by M/s NTPC Limited

Sir,

I am directed to inform that the Mining Plan presentation to the Technical Members of the Standing Committee constituted under MMDR Act, 1957 of the above mentioned project was held on 01.02.2008 at Ministry of Coal, Shastri Bhavan, New Delhi

It was observed that the mining plan submitted by the company after the allotment of 24 months and the mining plan submitted was only for a part of the block covered under detailed exploration. It was suggested that the mine plan should cover the entire area allotted. NTPC agreed to resubmit the mining plan after necessary modifications.

It is requested to resubmit the Revised Mining Plan to the Ministry.

Yours faithfully,

G. Mishra 15/2/08
(Geeta Mishra)
Section Officer (CPAM)
Tele : 011 23386431
Fax 011 23387738

Signature Not Verified
Digitally signed by PARIMAL PIYUSH
Date: 2025.06.26 14:23:24 IST
Reason: AGM(Commercial)
Location: NTPC Limited

To,

Ms, Geeta Mishra
Section Officer (CPAM)
Ministry of Coal
Shastri Bhawan, Rajandra Prasad Marg,
New Delhi - 110001

Subject: Reply to MoC's observation vide letter no.34011/ (02)/2008-CPAM dated 15-02-2008 on the Mining Plan of Kerendari 'A' Coal Block

Dear Madam,

With reference to the above, this is to clarify that NTPC proposes to mine the entire block area of 654 Ha, by opencast method, deploying the equipment and manpower, as shown in the Mining Plan.

Detailed planning for the above opencast mine for the entire block has been firmed up for a period of 25 initial production years, pertaining to the proved reserves.

NTPC proposes to upgrade the indicated reserves lying on the dip side of the proved reserves, in continuation, by further geological exploration to be completed within a period of three years from now.

On completion of the exploration NTPC would submit to the MoC the Mining Scheme, pertaining to the indicated reserves, coal of which will be extracted by continuing the same opencast mine beyond the period of 25 initial production years, till exhaustion of the total reserves for the entire block.

It is hoped that this meets your kind approval.

Yours faithfully,

P. K. Banerjee
Recognised Qualified Person
RQP No. 34011/ (30)/2006-CPAM
Place: RANCHI
Date: 01 March 2008

वी. एस. राणा/V. S. RANA
अवर सचिव/UNDER SECRETARY
कोयला मंत्रालय/MINISTRY OF COAL
भारत सरकार/GOVT. OF INDIA
नई दिल्ली/NEW DELHI

Signature Not Verified
Digitally signed by PARIMAL PIYUSH
Date: 2025.06.26 14:23:24 IST
Reason: AGM(Commercial)
Location: NTPC Limited

CERTIFICATE BY THE APPLICANT

Certified that the Mining Plan of Kerendari 'A' has been prepared under the guidance of Sri .P.K Banerjee RQP No. 34011 (30) 2006 – CPAM of M/s ACMM Pvt.Ltd. at C/194, Road No. 1, Ashok Nagar, Ranchi-834002, Jharkhand in full consultation with and knowledge and consent of the undersigned.

Signature of the Applicant in full

(Authorised Signatory)

Name in full: **SUNIL JUMDE**
Dy. General Manager (Mech.)
Project Engineering (Mech.), NTPC

Address:

NTPC Ltd
NTPC Bhawan, SCOPE Complex
Core-7
Institutional Area
Lodhi Road,
New Delhi-110003

Place: New Delhi
Date: 18. 11. 2007

Signature Not Verified
Digitally signed by PARIMAL PIYUSH
Date: 2025.06.26 14:23:24 IST
Reason: AGM(Commercial)
Location: NTPC Limited

CONSENT LETTER FROM THE APPLICANT

The Progressive Mine Closure Plan in respect of Kerendari 'A' Coal Block, over an area of 6.54 Sq Km in the District of Hazaribagh, State Jharkhand, has been prepared under the guidance of Sri P. K. Banerjee, Registration No. 34011 (30) 2006 – CPAM of ACMM Pvt. Ltd at C/194, Road No.- 1, Ashok Nagar, Ranchi - 834002, Jharkhand. Any further correspondence regarding Progressive Mine Closure Plan may please be made with the said recognized person at the following address

Sri P. K.Banerjee

C/o ACMM Pvt. Ltd
Head Office:-
4- D, Local Shopping Centre
A-Block, Naraina,
Ring Road, New Delhi -110028

Regional Office C/194, Road No. 1
Ashok Nagar
Ranchi-834002
Jharkand

I hereby undertake that all the conditions so made in the Progressive Mine Closure Plan by the recognized person be deemed to have been made with my knowledge and consent and shall be acceptable to me and binding on me in all respect.

Signature of the Applicant in full

Name in full (Authorized signatory)

SUNIL JUMDE
Dy. General Manager (Mech.)
Project Engineering (Mech.), NTPC

Address: NTPC Limited
NTPC Bhawan, SCOPE Complex 7
Core -7
Institutional Area, Lodhi Road.
New Delhi-110003

Place: New Delhi
Date: 18. 11. 2007

Signature Not Verified
Digitally signed by PARIMAL PIYUSH
Date: 2025.06.26 14:23:24 IST
Reason: AGM(Commercial)
Location: NTPC Limited

CERTIFICATE

It is to certify that the Block boundary shown in the Mining Plan of Kerendari 'A' is as per the Geological Report published by M/s CMPDI Ltd.

वी. एस. राणा/V. S. RANA
अवर सचिव/UNDER SECRETARY
कोयला मंत्रालय/MINISTRY OF COAL
भारत सरकार/GOVT. OF INDIA
नई दिल्ली/NEW DELHI

P.K. BANERJEE
Recognised Qualified Person
No.- 34011/(30)/2006-CPAM
Ministry of Coal, Govt. of India

P. K. Banerjee
Recognized Qualified Person
RQP No. 34011 (30) 2006 - CPAM
Place: - Ranchi
Date: 18. 11. 2007

Signature Not Verified
Digitally signed by PARIMAL PIYUSH
Date: 2025.06.25 14:23:24 IST
Reason: AGM(Commercial)
Location: NTPC Limited

CERTIFICATE

It is to certify that the area of which this Mining Plan has been proposed covers the Coal Block area allocated to M/S NTPC Limited by the Government of India vide letter No. 13016/29/2003-CA-1 dated 25th January, 2006

वी. एस. राणा/V. S. RANA
अवर सचिव/UNDER SECRETARY
कोयला मंत्रालय/MINISTRY OF COAL
भारत सरकार/GOVT. OF INDIA
नई दिल्ली/NEW DELHI

P.K. BANERJEE
Recognised Qualified Person
No.- 34011/(30)/2006-CPAM
Ministry of Coal, Govt. of India

P. K. Banerjee
Recognized Qualified Person
RQP No. 34011 (30) 2006 - CPAM
Place: - Ranchi
Date: - 18. 11. 2007

Signature Not Verified
Digitally signed by PARIMAL PIYUSH
Date: 2025.06.26 14:23:24 IST
Reason: AGM(Commercial)
Location: NTPC Limited

CERTIFICATE

It is to certify that the total quarriable coal down to Seam I Bottom, the lowest workable seam in the allocated Coal Block at Kerendari 'A', is planned for extraction in this Mining Plan.

The coal seams namely Seam K5, Seam K4, Seam K3, Seam K2 which are very thin and impersistent in nature, lying beneath Seam I Bottom have been excluded from the reserves of coal in the Geological Report, CMPDI and this Mining Plan has been designed accordingly.

वी. एस. राणा/V. S. RANA
अवर सचिव/UNDER SECRETARY
कोयला मंत्रालय/MINISTRY OF COAL
भारत सरकार/GOVT. OF INDIA
नई दिल्ली/NEW DELHI

P.K. BANERJEE
Recognised Qualified Person
No.- 34011/(30)/2006-CPAM
Ministry of Coal, Govt. of India

P. K. Banerjee
Recognized Qualified Person
RQP No. 34011 (30) 2006 - CPAM
Place: - Ranchi
Date: - 18. 11. 2007

Signature Not Verified
Digitally signed by PARIMAL PIYUSH
Date: 2025.06.26 14:23:24 IST
Reason: AGM(Commercial)
Location: NTPC Limited

CERTIFICATE

1. Certified that the Provisions of Mineral Conservation and Development Rules, 1998 and Mineral Concession Rules, 1960 have been observed in the preparation of mining plan for Kerendari 'A' Coal Block, which has been allocated to M/S NTPC Limited, and whenever specific permissions are required, the applicant will approach the concerned authorities.

2. Certified that the provisions of the Mines Act, 1952 and the Rules and Regulations made there under have been observed in the preparation of this Mining Plan and that wherever specific permission is required, the applicant will approach the Director General of Mines Safety in the matter.

3. Certified that the information furnished in this Mining Plan are true and correct to the best of my knowledge.

वी. एस. राणा/V. S. RANA
अवर सचिव/UNDER SECRETARY
कोयला मंत्रालय/MINISTRY OF COAL
भारत सरकार/GOVT. OF INDIA
नई दिल्ली/NEW DELHI

P.K. BANERJEE
Recognised Qualified Person
No.- 34011/(30)/2006-CPAM
Ministry of Coal, Govt. of India

P. K. Banerjee
Recognized Qualified Person
RQP No. 34011 (30) 2006 - CPAM
Place: - Ranchi
Date: - 18. 11. 2007

Signature Not Verified
Digitally signed by PARIMAL PIYUSH
Date: 2025.06.26 14:23:24 IST
Reason: AGM(Commercial)
Location: NTPC Limited

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वी. एस. राणा/V. S. RANA
अवर सचिव/UNDER SECRETARY
कोयला मंत्रालय/MINISTRY OF COAL
भारत सरकार/GOVT. OF INDIA
नई दिल्ली/NEW DELHI

Signature Not Verified

Digitally signed by PARIMAL PIYUSH
Date: 2025.06.26 14:23:24 IST
Reason: AGM(Commercial)
Location: NTPC Limited

LIST OF DRAWINGS

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LIST OF ANNEXURE

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I	Letter of Ministry of Coal (MOC), Government of India for allotment of Kerendari 'A' Coal Block in favour of NTPC	A-I(1) To A-I(3)
II.	Letter of CMPDI for handing over Geological Report (GR) on Kerendari 'A Coal Block to NTPC	A-II
III	Cost of GR	A-III
IV	Letter of notification u/s 4(i) of CBA (A&D) Act 1957 for land requirement in respect of Kerendari 'A coal Block	AIV(1) To AIV(3)

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List of abbreviation used

Sl. No.	Abbreviation	Detail
1	Mt	Million Tonnes
2	Mcum	Million Cubic Meter
3	Acre	Acre
4	ha	Hectare
5	m	Meter
6	Km	Kilometer
7	cum/t	Cubicmeter / tonne
8	hp	Horse Power
9	mm	Millimeter
10	kl	Kilo Litre
11	hr	Hour
12	Kv	Kilo Volt
13	Kw	Kilo watt
14	Kg/Cum	Kilogram / Cubicmeter

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Chapter – I

INTRODUCTION

1.1.1 NTPC Ltd is the largest thermal power generating company of India. It has at present, the total installed capacity of 27,904 MW through 15 coal-based, 7 gas/liquid fuel based and 4 joint venture projects and has ambititious plans of growth.

1.1.2 Major portion of the proposed capacity addition is planned for implementation by using coal as the fuel. In order to produce affordable power and also to augment the existing available supply of coal, NTPC is undertaking backward integration by venturing into coal mining. NTPC has modified its Memorandum of Association and Article of Association to accommodate the activities of coal mining from the allocated coal blocks.

1.1.3 Kerendari 'A' block is located in Northern part of North Karanpura Coalfield in Hazaribagh district of Jharkhand state. The block has been allocated to National Thermal Power Corporation Ltd, now NTPC Ltd by the Ministry of coal, Government of India vide letter No. 13016/29/2003-CA-I dated 25th January, 2006 (Annexure-1)

1.2.1 The Geological report of CMPDIL, procured from the CMPDI, as per clauseVI of the above allocation letter mentions that Kerendari 'A' block covers an area of 6.54 sq Km, bounded by Longitude 85°05'15'' to 85°07'05''E and Latitude 23°54'45'' to 23°52'20'' N.

1.2.2 NTPC Ltd has awarded the consultancy for preparation of Mining Plan for this block to Advance Coal Management & Marketing Pvt. Ltd (ACMM) with their Head Office at New Delhi and Regional office at C/194, Road No. 1 Ashok Nagar, Ranchi-2 vide letter No CS-7011/7012-751A-9-CY-LOA-4861 dated 4.4.07. For this project, ACMM has used both its in house resources as well as expertise of SRG Services & Consultancy (P) Ltd, Kolkata. NTPC has procured the Geological Report of the Block from CMPDI vide letter No.CMPDI/DG/033.4/88-89 dated 10.04.07 (Annexure- II). ACMM has considered this G.R as the basis for preparation of this Report. Subsequently NTPC has applied for acquisition of land u/s 4(i) of CBA Act (1957) vides letter No. 01/CM/Kerendari/Sec 4(1)/07 dated 21.05.07 (Annexure- IV).

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1.3 Coal Reserves and Choice of Method of Mining:

The Geological report has mentioned coal reserves under 2 categories, the area to the north, explored in detail upto about 300 m depth, demarcated as proved category and for the area lying on the southern part of the block, having a thick barren measure cover, reserves therein have been calculated and put under indicated category. 24 additional boreholes will be required to be drilled to prove the structure and reserves in this part.

GSI has drilled 3 regional boreholes. CMPDI has drilled 83 boreholes. Out of 83 boreholes drilled in the block by CMPDI, band by band analysis of 79 boreholes was generated .In 57 boreholes, overall proximate analysis for coal seams encountered in these boreholes was determined and for the remaining 22 boreholes, it was calculated by standard method using CEMPGEODOC software. Borehole density is 13 bhs/sq. km.

The general grade of coals of Kerendari 'A' ranges between 'B' to 'G' with major portion of reserves falling in E to F grade, totaling 90% of proved reserve.

Net Geological reserves are given below:

Item	Proved (MT)
Total Net Geological reserve	188.79
L seam, considered unworkable	4.22
Net (minus L seam)	184.57
Coal lost in barrier against boundary & Nala	22.07
Coal lost in batter	13.02
Mining loss	7.47
Mineable reserves	142.01
Maximum depth upto lowest workable I Bottom seam	325 m
Coal	142.01 MT
Overall S. R.	4.37
Mine life	25 years

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In the zone of indicated reserve i.e beyond depth of about 300 m, 3 boreholes were drilled in the south west. Additional boreholes numbering are

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to be drilled aggregating approximately 8000 mt to bring this reserve in proved category. This job will be completed between the 7th and 9th production years

Sl No.	Production year	No. of boreholes to be drilled
1	7th	1 to 8
2	8th	9 to 16
3	9th	10 to 24

The entire property, including proved reserve and the indicated reserve will be worked by opencast method. Phase I is for proved reserve, mine face on 25th year approximating the delineating line between proved and indicated reserve and the adjacent fault line (F3). Phase II refers to the indicated reserve. Phase I will integrate seamlessly in Phase II. The same equipment, manpower and infrastructure will cater to both phases. It is not proposed to draw up a maximum opencast limit line and mine by underground system to the dip of the same for the following reasons:

1. Subsequent underground mine will not be able to produce @6 MTPA, the target production of opencast mine and the linked power plants will suffer for want of coal.
2. Two separate large mines will need high capital investment for each mine.
3. Mine life of each separate mine and life of some equipment therein will not match.
4. Amortization of capital expenditure of each mine within the reduced life will be sub-optimal and will adversely affect operating cost of production.
5. Opencast mining will be safer and will ensure better conservation.

Below I bottom seam, the lowest seam in the series, there is local seam, having reserves 4.22 Mte in proved net geological reserves and 1.5 Mte in indicated net geological reserves. This seam has attained thickness more than 1 m in limited patch in NE. Please refer to sub – para 2 of para 5.2.2 of Chapter IV. Quarriable reserves are estimated excluding the I bottom seam. CMPDI has also not considered the reserve of this seam. The mining plan has likewise explored possibility of winning some part of this seam reserve that will need further deepening of the open pit and not a regular deepening along the face. Mining at patch will leave exposed coal at upper benches more prone to spontaneous

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heating for a longer time thus causing more loss of coal during mining operation affecting coal conservation and mine safety.

1.4 Mine Design & Coal Production

Mine has been so designed to have the Mine Entry of sector A, the first sector to be worked at the incrop of the lowermost workable I Bottom seam and having mine infrastructure planned on both sides of the Mine Entry. The incorps were mapped by CMPDI on the basis of field observation, borehole data and resistivity survey data.

The Mine-take having multiseam deposit with steeply dipping seams does not attract application of dragline for the removal of overburden. Dragline is ideal for flat seam and when a single seam, being exposed by dragline has substantial reserve, without splits. Length of face has to be reasonable. Here, the system is very rigid in terms of mine geometry.

Shovel dumper system of mining, which is flexible has been opted for. considering the geomining conditions. Top overburden above the topmost seam no. IV (Top, Bottom and Combined) is 74% of the total overburden i.e. 462 95 $M.M^3$ in Phase I under proved reserve. To mine the Top overburden, 25 M^3 Rope shovels with 250 mm RBH drill and 200 T Rear dumpers have been chosen. These shovels are operator-friendly and with MARC system with O. E M can guarantee availability between 92% to 88% in the first 10 years and excavating about 5.92 M. M^3 /year/unit. Lives of these shovels will match mine life and extended life while considering indicated reserve also. High productivity is being achieved elsewhere in the world in spite of very large proportion of local workmen.

For removal of the interburden below IV seam horizon, amounting to 158 27 MM^3 interburden, 12 M^3 electric hydraulic shovels have been chosen along with 250 mm drills and 120 T dumpers. For thicker coal seams, these machines will work in coal benches also.

For thinner seams and partings, 4.5 M^3 hydraulic shovels with 160 mm drills and 50 T dumpers have been chosen.

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Production build-up is as follows:

Initially there will be two years earmarked for construction activities before production starts.

First year of production i.e - P_1 2 MTPA

Second year of production i.e - P_2 4 MTPA

Third year of production i.e - P_3 6 MTPA

During the two years, starting from the date of granting mining lease, Constructions activities will be taken up. Infrastructure like access road, power line, sub-station, stores, Workshop, CHP, Mine Office, Belt Conveyor system, RLS, Loading Bulb and railway line will be constructed during the period Diversion of Baldeori Nala along the southern fringe of indicated reserve and in the western boundary will be completed before the mining starts. An embankment 3m high from the H.F.L and 30m wide at the top will be built up in this period against Basaria Nala. The manmade canals will be put in disuse.

1.5 Overburden Disposal

The mine will be divided in 4 different sectors, each sector roughly for 6 years of coal production.

Sector A, the first sector from the incorp on the rise side will have mine entry at the incorp of the lowermost seam ie Seam I Bottom. For the first six years, the O.B removed will be dumped in the external dump to the north of the north boundary of the block, on approx. 100 Ha of non-forest and non-coal land. After sector A is decoaled, the void will be filled by O.B. of Sector B by internal dumping and the haul road serving Sector A will be put in disuse. Simultaneously, alternate O.B. roads (2 Nos.) on the east side and one coal road will be put in use in Sector B as alternate route for the dumpers.

Sector B, the second sector, to the dip side adjoining sector A will be worked after Sector A. O.B from sector B will be dumped in the void in Sector A, flush against the sides of excavation. There will be three O.B exit roads at 345m, 360m and 375 m levels for internal dumping at different levels at the Northern side. A fourth exit road at 435 m level will come to the surface for moving dumpers

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to the workshop for daily maintenance. One road on west side at 435m level will be for coal haulers. Both O.B and coal dumpers will negotiate different benches through ramps.

Sector C, the third sector, to the dip side adjoining sector B will be worked after Sector B. O.B from sector C will be dumped in the void in sector B, flush against the sides of excavation. There will be two O.B exit roads at 375 m and 315 m levels for internal dumping on the east side. A third exit road at 435 m level will come to the surface for moving dumpers to the workshop for daily maintenance. One road on the west level at 435m level will be for coal haulers. Both O.B and coal haulers will negotiate different benches through ramps.

Sector D, the fourth sector, to the dip side adjoining to sector C will be worked in sector C. O.B from sector D will be dumped in the void in sector C, flush against the side of excavation. There will be two O.B exit roads for internal dumping at 375 m and 300 m levels on the east side. A third exit road at 435 m will come to the surface for moving dumpers to the workshop for daily maintenance. One road on the west side at 435m level will be for coal haulers. Both O.B and coal haulers will negotiate different benches through ramps.

1.6 Land

In Kerandari 'A' block, there are 7 villages, Tarhesa, Pandu, Kabed Baldeori, Basaria, Lochar and Pagar. 32.87 acres area of land is forestland, located in 2 villages, namely Baldeori, and Lochar. Rest area is non-forest i.e. 1582.51 acres falling within the block.

Non-coal bearing area to the north of the incorps is 22.2 acres to accommodate the Mine infrastructure like sub-station, workshop, stores, coal handling plant, loading on to conveyor, buffer stock of coal, mine office etc, in non-coal and non-forest area within the boundary of the block.

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1.7 Conclusion

In the planned Mine, NTPC will deploy HEMM like 25 M^3 Rope shovel for the first time in the country and also the best gadgets for continual monitoring and control. Linked consuming power stations will be networked.

NTPC will establish benchmark in land reclamation and restoration of land use. The highly automated mine with less manpower and proper strata stability measures will be safe to work in. Conservation of coal resources will be raison de etre of planning.

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Chapter – II

GENERAL

2.0 GENERAL

2.1 Name of Applicant with Complete Address

NTPC Ltd.
(Erstwhile National Thermal Power Corporation Ltd.)
(Govt. of India Enterprise)
NTPC Bhawan, Core 7
Scope Complex 7, Institutional Area
Lodhi Road
New Delhi – 110003
(Engineering Office Complex, Plot No. A – 8A, Sector 24, NOIDA (U.P.))
Tel No. 0120-2410333-42/2410116-20
Fax No. 0120-2410136/37

2.2 Status of Applicant

NTPC Ltd. Is a public sector company under Ministry of Power, Govt. of India engaged in generation of power with existing installed capacity of 27,904 MW through its 15 coal based (22,895 MW), 7 gas/liquid based (3,955 MW) and 4 joint venture (3 coal based & 1 gas/liquid based) projects (1,054 MW). The Board of Directors of the company is as follows:

Sl. No.	Name	Designation
1	S/Shri T. Sankarlingam	Chairman cum Managing Director
2	K.P.Dubey	Director (Projects)
3	Chandan Roy	Director (Operation)
4	R.S.Sharma	Director (Commercial)
5	A.K.Singhal	Director (Finance)
6	R.K.Jain	Director (Technical)
7	R.C. Shrivastav	Director (Human Resources)
8	Rajesh Verma	Joint Secretary & F. A., MOP
9	G. P. Gupta	

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10	Prof Ashok Misra	Director, IIT (Mumbai)
11	M. I. Beg,	
12	Dr. R. K. Pachauri	Director General, TERI

2.3 Mineral or minerals which are occurring in the area and which the applicant intends to mine

COAL

2.4 Annual Coal Requirement for Power Generation

	Capacity in MW	Coal Requirement (MTPA)	Long Term linkage (MTPA)
		At 85% PLF	
a)	Existing Power Stations (22,895 MW)	122.71	79.74
	Short Fall / Surplus	(-) 42.97	
b)	New/Expn Projects XI Plan by 2012 (8940 MW)	48.98	51.07
	Short Fall/Surplus	(+) 2.09	
	Total Gap	(-) 40.88	

2.5 Annual Coal Production Target

Annual coal production target is 6 MTPA.

Year wise build-up is as follows:

Year	Target of Coal Production
C1	Construction Year
C2	Construction Year
P_1	2 MT
P_2	4 MT
P_3 (Onwards)	6 MT

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2.6 Period for which Mining Lease is required: 30 years

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2.7 Name of RQP Preparing Mining Plan

Shri P. K. Banerjee

RQP No. 34011/ (30) /2006 - CPAM

C/O ACMM Pvt. Ltd.

C/194, Road No. 1 Ashok Nagar, Ranchi-834002

Mobile No. 09431594313

2.8 Name of Prospecting Agency

a) Central Mine Planning & Design Institute Ltd.,

Gondwana House, Kanke Road, Ranchi – 834001

b) Geological Survey of India, Kolkata

2.9 Reference No. and Date of Consent Letter from the State Govt.

Allocation by the Ministry of coal, Government of India vides letter No. 13016/29/2003-CA-I dated the 25th January, 2006.

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Chapter – III

PROJECT SITE INFORMATION

3.1 LOCATION

Kerendari 'A' Block is part of Kerendari block, which has been subdivided by CMPDI into 3 blocks namely Kerendari 'A', 'B' & 'C'. Kerendari 'A' is on the western part of Kerendari block, which is located in northern part of North Karanpura Coalfield. It is bounded by longitude $85^0 05'15"$E to $85^0 07'05"$E and latitude $23^0 54'45"$N to $23^0 52'20"$N. The block is covered by Survey of India Toposheet No. 73 E/1 (RF 1:50,000) and special sheet no. 16,17 & 21 on RF 1:10,000. The block is surrounded by Chatti Bariatu & Chatti Bariatu South blocks in the west & southwest respectively, Kerendari 'B' block in the east, Dumri block in the northwest and the Hazaribagh – Tandwa State Highway in the south. The entire block falls in the Hazaribagh district of Jharkhand.

The North Karanpura Coalfield forms the northern part of the main Karanpura basin. It is the most promising coalfield in this part of the country with potential for high growth. Railways are constructing a link rail line to the main Howrah – New Delhi trunk route, so that the future production can be transported to the consumers in the Northern India. North Karanpura Coalfield has an area of 1230 sq. km and is separated from the South Karanpura Coalfield by a east – west elongated metamorphic patch. They are interconnected near Bachra and Hindegir villages by a narrow strip of Talchir formation. This coalfield spreads over to 4 districts of Jharkhand, namely Hazaribagh, (where Kerendari 'A' block is located), Ranchi, Chatra and Palamau districts.

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3.2 ACCESSIBILITY

Hazaribagh, the headquarters of Hazaribagh district is at a distance of about 45 km from the block and is connected by an all weather metalled road going from Hazaribagh to Tandwa. The North Karanpura Super Thermal Power Station of

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NTPC will be located at Tandwa. The nearest railhead is Ray (25 km) and Khelari (40 km) on the Gomoh – Barkakhana -- Dehri – On – Sone loop line. Ranchi, the state capital of Jharkhand is located about 100 km from the block.

The block remains cut – off during rains from Tandwa side due to non – existence of bridge over Barki River flowing close to Tandwa village. Tandwa is connected to Ranchi via Khelari (28 km) and Bijupara (60 km) by metalled road. Non – existence of bridge over Sadabah River is a constraint.

3.3 PHYSIOGRAPHY AND DRAINAGE

The block has a flat terrain, land is good agricultural land. Outside the block area in the northern side, there is a hilly terrain. Two main nalas Baldeori and Basaria control the drainage of the area. Man made canals exists in the block area and they will be put in disuse.

3.4 CLIMATE

The climate is tropical with severe summer. The temperature during summer (March to June) goes as high as 45^0C. The minimum summer temperature is about 28^0C. The winter (November to February) is cold. The rainy season is generally June to October. The total average rainfall is about 1181.52 mm of which 69% precipitation is during rainy season.

The location plan of the area has been shown in drawing no. NTPC/ ACMM/ KRD/ 1 and area covering buffer zone of 10 km radius all around the allocated block is presented at key plan in drawing no. NTPC/ ACMM/ KRD/ 2

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Chapter – IV

GEOLOGY

4.0 GEOLOGY

4.1 Location and accessibility:

The Kerendari "A" block located in the northern part of North Karanpura Coal Field, bounded by Longitude 85^0 05' 15" to 85^0 07' 05" E and Latitude 23^0 54' 45" to 23^0 52' 20" N covered by the Survey of India Topo Sheet No-73E/1 (RF 1:50000) and special sheet No- 16,17,&21 on RF 1:10000 is located in the State of Jharkhand and is around 100 Km from the State Capital, Ranchi. Hazaribagh Town is at a distance of 45 Km from the block. The nearest Railhead is Ray (25 Km) and Khelari (40 Km) on the Gomoh-Barkakana-Dehrionsone loop Line.

4.2 Block Boundaries: -

The block boundaries of Kerendari "A" block are demarcated by Basaria Nala in the east, Chatti Bariatu block in the west, Dumri block in the north west, extension of U/G position of fault F_6- F_6 of Dumri block in the north and Kerendari Nala in the South. In addition to above about 0.5 Sq Km area of the block falls on the up thrown side of the fault F_1- F_1 fault in South-West direction. The boundaries of this patch is controlled by F_1- F_1 fault in the east, eastern boundary of Chatti Bariatu South block in the West, Southern boundary of Chatti Bariatu in the north and Kerendari nala in the South.

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4.3 Topography and Drainage:

The Kerendari "A" block shows a flat topography and is dissected by a number of seasonal streams. The ground, in general, slopes towards south and west. The elevation varies from 432 m to 459 m with reference to mean sea level within the block. The drainage is controlled by the Basaria Nala in the East & the Baldeori Nala in the South Central part of the block. All the nallahs are seasonal but during rainy season they discharge their load into Barki River which flows on the West of the block. Barki river is an important tributary of Chundru river. The Chundru river ultimately meets Damodar river near Mangardaha.

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4.4 Climate:

The Kerendari "A" block falls in the tropical Zone and the maximum temperature during Summer Season (March-May) varies from 40^0c to 45^0c. The minimum temperature during the same period is around 22^0c. The winter (Nov- Feb) is normally cold with a minimum recorded temperature of about 1^0c. The average rainfall in the region is generally 1200mm.

4.5 Details of exploration

4.51 Core Drilling:

A total of 86 boreholes have been drilled by GSI and CMPDI during different phases as per break up given in the Table 04.01.

Table No 04.01

Details of agency wise break up of boreholes drilled in Kerendari "A" Block

Sl.No	Agency	Status	Period of Drilling	Drilling	
				No of Boreholes	Meterage (m)
1	G.S.I	Regional	1961-1971	3 (K-11, 12 & 15)	863.26
2	CMPDI				
(a)	CNKP Series	CIL	1994-95	6 (134,182,184,195,355,357	1448.60
(b)	CMKK Series	CIL	1995-96	1 (48)	200
(c)	CMKK Series	CIL	1997-98	11 (94,95,104,105,108,111-116)	2520.50
Total (CIL)				18	4169.10
3 (a)	CMTK Series	Non-CIL	1999-2000	7 (2,3,5,6,8,9,10)	1403.00
(b)	CMKNC Series	Non-CIL	2001-02	20 (11-13,16,19,21-35)	4505.10
(c)	CMKNC Series	Non-CIL	2002-03	30 (36-65)	4949.00
(d)	CMKNC Series	Non-CIL	2003-04	8 (76,77,79-81,83-85)	1441.00
Total (Non-CIL)				65	12298.10
Total (CMPDI)		CIL+ Non-CIL		83	16467.20
Grand Total (CMPDI+ GSI)		Regional + CIL + Non-CIL		86	17330.46

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In additional to Drilling, Geological mapping and Geo-Physical Surveys (Resistibility profiling, seismic Refraction Survey, Vertical Electrical Sounding and Magnetic Survey) and Geophysical Logging of boreholes were also carried out in the Kerendari "A" block. The results of these studies have been incorporated in the report.

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4.5.2 Surveying: -

All the boreholes drilled by CMPDI have been surveyed with reference to local Benchmark established in Karkata block located in South-Central part of the North Karanpura Coal field. The coordinate of all the three GSI boreholes (K-11, 12 & 15) could be generated with reference to this Bench mark as their pillars were available on the ground.

The topographical data including contours for the block have been taken from special Toposheet No-16, 17 & 21 (on RF 1:10000) of Survey of India and were enlarged to RF 1:5000. The above special sheets are covered under the Survey of India Toposheet No- 73E/1 (RF 1:50000).

4.6 Geology of the Kerendari "A" block

4.6.1 Stratigraphic Succession:

The block comprises Talchir, Karhabari, Barakar, Barren Measures and Ranigang Formation belonging to Damuda Subgroup of Lower Gondwana. Talchir Formation rests directly over the Archaeans. The Karharbaris and Barakars are the main Coal bearing formations in the block. The stratigraphic succession of the block is given in Table No- 04:02.

Table No- 04:02.
Stratigraphic Succession of Kerendari "A" block

Period	Group	Sub-Group	Formation	Thickness range (m)	Lithology
Recent			Alluvium	6.00-24.50	Detrital & Alluvial Soil + Subsoil
Upper Permian	Lower Gondwana	Damuda	Raniganj	Upto 107.00	Fine to medium grained micaceous sandstone, Interbanded shale and sandstone, carbonaceous shale & Thin Coal seams
			Barren Measures	Up to 268.00	Dark grey Shale, Sandy Shale & inetrbanded Shale & Sa...

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			Barakar	Up to 182.00	Fine to coarse grained sandstone, shale, Carbe Shale & coal seams.
			Karharbari	24.00 81.00	Medium to coarse grained sandstone, shale, silicfied quartzitic sand stone & thin coal seams.
Permo-carbonife rous	-	-	Talchir	6.00	Green coloured shale Boulders & Conglomerates
Unconformity					
Pre-Cambrian	--	--	Metamorphics		Granite Gneisses & Quartzties

4.6.2 Structure: -

Kerendari "A" block is located in northern part of the North Karanpura Coal field. The block is moderately faulted with 5 faults. Most of the faults are generally curvilinear in nature, and have almost NW-SE trend with variable northerly/north easterly throw giving rise to a step fault configuration. The strike of the strata is almost E-W in the entire block. The general dip of the strata/Coal seams is Southerly and varies from 9^0 to 11^0. Five faults have been interpreted in the block on the basis of Surface and Sub-Surface data. Three of these faults viz – F_1, F_2 & F_3 are in continuation from the adjoining Dumri & Chatti-Bariatu blocks. The remaining two faults viz F4 & F_5 have been interpreted from Surface & Sub-Surface data generated in the block. In general, the faults are curvilinear in nature with low to moderate throw towards North & North East. The block is moderately disturbed by faults. The details of faults as interpreted on the basis of available information for Kerendari "A" block is given in Table No- 04.03.

"A"
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Table No-04.03
Details of Faults in Kerendari "A" Block

Fault No	Extent Of Fault	Trend of Fault	Direction of throw	Amount of Throw (m)	Evidences
F_1- F_1	About 2.5 Km	NW-SE	NE	100-130	Continuation from Dumri Block and separates Chatti-Bariatu block on the Western side. Based on stratum colours of both sides.
F_2- F_2	About 3.5 Km	NW-SE	N/NE	15-40	Continuation from Dumri block. Seams II Top, II Bottom, I Top and roof of I Middle are omitted in BH CMKNC- 79
F_3- F_3	About 3.6 Km	NW-SE	N/NE	20-30	Continuation from Dumri block. (i) Seam II Top is faulted in BH CMKNC-49. (ii) Floor of Seam IV Top, IV Bottom, III top and III Bottom are faulted in BH CMKNC-27
F_4-F_4	About 3.6 Km	NW-SE	N/NE	20-30	(i) Roof of Seam IV top is faulted in BH CMKNC-80 (ii) Seam IV D,IV C, IV B, IV A & IV top are faulted in BH CMKNC-81
F_5-F_5	About 1.7 Km	NW-SE	NE	0-40	(i) Seams IV D, IV C, IV B, IV A & IV top are faulted in BH CMKNC-25 (ii) Floor of seam III bottom is faulted in BH CMKK-116. (iii) Floor of seams II bottom I top, I middle, I bottom & local are faulted in BH CMKNC-12

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4.6.3 Coal Seams:

The Barakars are the main coal bearing formation in this block. There are four persistent coal seams in Barakar Formation, viz Seam-I, II, III & IV in ascending order. In addition of these, one local coal horizon i.e. L of generally 1 to 2m thickness also occurs below Seam-I Bottom. Out of four Barakar Coal Seams Seam-I, is splitted into three Sections, where as Seam-II, III & IV are spilit in two sections. These sections have been designated as Top, Middle and Bottom. Besides these four main Seams, four more thin Coal horizons are seen to have developed above Seam-IV and are namely Seams IVA, IVB, IVC & IVD.

The Karharbari Formation is not so well developed in this block. However, four thin Coal bands occur below Seam Local. Thickness of these Seams is less than 1 m and they are impersistent in nature.

The sequence of Coal Seams as established in Kerendari- "A" block is furnished in Table No- 04.04.

Table No- 04.04
Sequence of Coal Seams in Kerendari "A" block

Seam/Parting	Thickness range (m)		Average thickness (m)	No of BH Considered
	Minimum	Maximum		
IV D	0.13 (CMTK-2)	1.45 (CMKNC-36)	0.75	60
Parting	0.20(CMKNC-37)	11.78 (CMKK- 112)	3.50 – 4.50	
IV C	0.25 (CMKNC-62)	1.60 (CMTK-2)	0.70	58
Parting	0.54 (CMKNC-79)	22.99 (CMKK-95)	6.00 – 9.00	
IV B	0.07 (CNKP-357)	1.46 (CMKNC-12)	0.55	60
Parting	0.84 (CNKP-195)	32.17 (CMKK-94)	9.00-12.00	
IVA	0.04 (CNKP-184)	2.68 (CMKNC-31)	0.50	59
Parting	0.30 (CMKK-104)	8.66 (CMKNC-11)	1.50-2.50	
IV Top	2.85(CMKNC-31)	8.40 (CMKNC-63)	6.00-7.00	25
Parting	NIL	3.66(CMKNC-21)	1.00-2.00	
IV Bottom	2.00(CMKNC-26)	3.30(CMKNC-55)	2.50	26
IV Combined	6.52(CNKP-195)	13.03(CMKK-116)	8.00-9.00	42
Parting	0.80 (CMKNC-81)	12.97(CMKNC-43)	5.00-6.00	
III Top	0.16(CMKNC-16)	1.92 (CNKP-195)	0.60	68

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Parting	0.82(CMKNC-65)	24.19 (CNKP-182)	9.00-11.50	
III Bottom	0.24 (CMKNC-26)	4.72 (CMKK-104)	2.00-3.00	73
Parting	1.20(CMKNC-41)	28.42 (CMKNC-43)	12.00-17.00	
II Top	0.15 (CMKNC-25)	4.37 (CMKK-116)	1.50-2.50	66
Parting	0.12 (CMKK-112)	25.28(CMKNC-58)	5.00-9.00	
II Bottom	1.05(CMKNC-46)	12.13 (CMKK-48)	7.00-9.00	73
Parting	0.70 (CMKNC-42)	4.29 (CNKP-182)	1.25-2.50	
I Top	0.20 (CMKNC-50)	6.63 (CMKNC-22)	1.00-2.00	28
Parting	NIL	3.50 (CMKNC-51)	1.00-2.00	
I Middle	8.11 (CMTK-6)	19.24 (CMKK-94)	10.00-12.00	31
I TMC	8.61 (CMKNC-76)	18.70 (CMKK-105)	14.00-15.00	43
Parting	0.83(CMKK-94)	11.14 (CMKNC-42)	3.00-7.00	
I Bottom	0.45 (CMKNC-16)	5.82 (CMKNC-40)	1.50-2.50	70
Parting	1.83 (CMKNC-54)	24.97 (CNKP-195)	14.00-18.00	
L (Local)	0.12(CMKNC-25)	2.61 (CNKP-355)	1.50	32
Parting	5.24 (CMKNC-24)	32.91 (CNKP-182)	9.00-15.00	
K-5	0.23(CNKP-357)	1.11 (CMKNC-84)	0.75	11
Parting	7.77 (CMTK-9)	26.55 (CMTK-8)	11.00-16.00	
K-4	0.24 (CNKP-182)	1.08 (CMTK-9)	0.74	6
Parting	22.87 (CMTK-5)	25.42 (CMTK-9)	22.00-25.00	
K-3	0.99 (CMTK-8)	1.17 (CMTK-10)	1.09	3
Parting	9.93 ((CMKNC-12)			
K-2	0.56 (CMKNC-12)	1.14 (CMTK-9)	0.87	4

As the total Geological block has been considered for opening the Mine, the above data holds good for the proposed Mine area also.

4.7 Quality:

All the Coal Seams of Kerendari "A" block are non-coking in nature. Details of Proximate analysis on in band (I_{100}) basis are given in Table 04.05 other details are given in Table 04.05 other details are given in the Geological Report.

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Table: - 04.05
Proximate analysis on in band (I_{100}) basis

Seam	M%	Ash %	VM %	UHV Kcal /Kg	Grade
IV D	3.2-5.1	22.9-48.5		1764-5033	C –G
IV C	3.4-5.6	16.9-46.3		2049-5799	B –G
IV B	3.1 – 5.1	24.1- 50.0		1570-4880	D –G
IV A	3.2- 5.3	20.8-48.5		1764-5299	C –G
IV TOP	4.0-5.0	24.8-38.0		3100-4783	D-F
.IV Bottom	3.7 -5.3	20.6-42.0		2598 -5320	C –F
IV Combined	3.6 -5.1	23.7-43.4		2414-4932	D –F
III TOP	3.6 -5.5	18.5 -43.6		2386 -5587	C –G
III Bottom	3.2 -5.4	19.0 -48.5	24.6 -25.3	1767 -5528	C –G
II TOP	3.0 -5.6	17.7 -51.5	23.4 -27.3	1386 -5688	B –G
II Bottom	2.5 -4.6	31.0 -48.6	21.0 -24.4	1751 -4001	E –G
I TOP	3.6 -4.9	26.0 -43.8	23.8	2365 -4638	D –G
I Middle	3.3 -4.4	33.0 -44.0	22.5	2339 -3745	E –G
I TMC	3.6 -4.3	34.0 -42.7	23.0	2509 -3612	E –F
I Bottom	2.4 -5.1	23.5 -50.0	20.5 -22.4	1567 -4959	C –G
Local- L	3.1 -4.7	29.3 -50.4		1526 -4213	D –G
K_5	4.4 -6.1	10.0 -32.3		3825 -6676	A –E
K_4	5.5 -5.8	13.7 -18.6		5583 -6205	A –C
K_3	5.8 -5.9	12.3 -14.0		6188 -6388	A –B
K_2	4.5 -5.9	12.2 -31.1		3985 -6390	A –E

4.8 Description of coal seams

4.8.1 Local Seam-L

The Local Seam –L occurs between seam I bottom and K5. The thickness of the seam varies from 0.12m (CMKNC-25) to 2.61m (CNKP-355) with an average thickness of about 1.50m. It exhibits a thickness of more than one metre in the north eastern part of the block. The parting with overlying Seam I Bottom varies from 1.83m (CMKNC-54) to 24.97m (CNKP-195) in the block. However, it generally ranges between 14m to 18m in the block.

The seam incrops in the northern part of the block. Roof and floor of the seam are composed of sandstone, alternate shale and sandstone, shale, carbonaceous shale etc.

Both combustible & non combustible dirt bands are present within the seam in the block.

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The shallowest and deepest depth of intersection in boreholes for this seam are 36.67m(CMKNC-83) and 275.55m(CMKNC-11) respectively.

Range of proximate analysis both for "As received" and "Calculated" basis and ultimate analysis are given in tables below:-

Table No:04.06
Range of Proximate Analysis (As received & calculated)

Parameters	Bcs	I_{30}	I_{100}
Moisture%	3.1-4.8	3.1-4.8	3.1-4.8
Ash%	29.3-50.4	29.3-50.4	29.3-50.4
VM%	-	-	-
UHV(Kcal/kg)	1526-4212	1526-4212	1526-4212
Grade(Average)	D-G(F)	D-G(F)	D-G(F)

Table No 04.07
Ultimate Analysis & Special Tests (CMTK-6)

Parameters	Within Block
Ultimate Analysis	on Bcs Sample
C%(dmmf)	82.22
H%(dmmf)	5.12
N%(dmmf)	1.59
S%(dmmf)	0.77
CO_2	0.58
CT	A
SI	0

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4.8.2 Seam I Bottom

This seam is the bottom most section of seam I. The thickness of the seam varies from 0.45m (CMKNC-16) to 5.82m (CMKNC-40) with an average thickness range of 1.50m to 2.50m. It occurs through out the block.

The parting with overlying seam I Middle / ITMC varies from 0.83m (CMKK-94) to 11.14m (CMKNC-42) in the block. However, it generally ranges between 3m to 5 m. The seam incrops in the northern part of the block. Roof and floor of the seam are composed of sandstone, alternate shale & sandstone, shale, carbonaceous shale

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The seam I Bottom is interbanded. Mostly carbonaceous shale & grey shale bands are present within the seam.

The shallowest and deepest depth of intersections in boreholes for this seam are 19.72m (CMKNC-83) and 366.50m (CMKNC-22) respectively.

Range of proximate analysis both for "As received" and "Calculated" basis and ultimate analysis are given in tables below:-

Table No:04.08

Range of Proximate Analysis (As received & calculated)

Parameters	Bcs	I_{30}	I_{100}
Moisture%	2.4-5.1	2.6-5.1	2.4-5.1
Ash%	23.5-50.0	23.5-50.0	23.5-50.0
VM%	18.3-25.1	-	20.5-22.4
UHV(Kcal/kg)	1567-4959	1567-4959	1567-4959
Grade(Average)	C-G(F-G)	C-G(F-G)	C-G(F-G)

Table No 04.09
Ultimate Analysis & Special Tests

Parameters	Within Block
Ultimate Analysis	on Bcs Sample
C%(dmmf)	82.36-85.65
H%(dmmf)	4.94-5.39
N%(dmmf)	1.68-1.76
S%(dmmf)	0.82-1.00
CT	A-A/B
SI	0

4.8.3 Seam-I TMC (Top & Middle combined)

Seams I Top and Middle are merged in the north & eastern part of the block. The combined seam has been named as I Top & Middle combined (I TMC).The thickness of the seam varies from 8.61m (CMKNC-76) to 18.70m (CMKK-105) in the block. However the average thickness of the seam ranges between 14.00m to 15.00.

The parting with overlying seam II Bottom is 0.70m (CMKNC-42) to 4.29m (CNKP-182) in the block. However it generally ranges between 1.25m to 2.50m.

The seam incrops in the northern part of the block. Roof and floor of the seam is composed of sandstone, alternate shale & sandstone, shale, carbonaceous shale.

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The seam-I TMC is inter-banded. Mostly carbonaceous shale & grey shale bands are present within the seam. The shallowest and deepest depth of intersections in boreholes for this seam are 41.00m(CMTK-10) and 333.35m(CMKK-95) respectively.

Range of proximate analysis both for "As received" and "Calculated" basis and ultimate analysis are given in tables below:-

Table No:04.10

Range of Proximate Analysis (As received & calculated)

Parameters	Bcs	I_{30}	I_{100}
Moisture%	3.6-4.6	3.6-4.5	3.6-4.3
Ash%	30.3-42.7	31.0-42.7	34.0-42.7
VM%	24.4	-	23.0
UHV(Kcal/kg)	2509-4086	2509-3998	2509-3612
Grade(Average)	E-F(E-F)	E-F(E-F)	E-F(F)

Table No 04.11

Ultimate Analysis & Special Tests

Parameters	Within Block
Ultimate Analysis	on Bcs Sample
C%(dmmf)	82.89-85.08
H%(dmmf)	5.00-5.14
N%(dmmf)	1.40-1.70
S%(dmmf)	0.60-0.96
CO_2	0.55
CT	A-A/B
SI	0

4.8.4 Seam-I Middle

The seam I Middle is the middle section of seam I. The thickness of the seam varies from 8.11m (CMTK-6) to 19.24m (CMKK-94) in the block .However, the average thickness of the seam ranges between 10.00m to12.00m.

This seam is developed in the southern and western part of the block.

The parting with overlying seam I Top is nil to 3.50m (CMKNC-51) in the block. However it generally ranges between 1.0m to 2.0m.

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The seam incrops in the northern part of the block. Roof and floor of the seam is composed of sandstone, alternate shale and sandstone, shale, carbonaceous shale etc.

The seam I Middle is interbanded. Mostly carbonaceous shale and grey shale bands are present within the seam.

The shallowest and deepest depth of intersection in boreholes for this seam are16.90m(CMKNC-59) and 347.95m(CMKNC-22) respectively.

Range of proximate analysis both for "As received" and "Calculated" basis and ultimate analysis are given in tables below:-

Table No: 04.12

Range of Proximate Analysis (As received & calculated)

Parameters	Bcs	I_{30}	I_{100}
Moisture%	3.5-4.4	3.5-4.4	3.3-4.4
Ash%	32.6-44.0	33.0-44.0	33.0-44.0
VM%	22.9-23.5	22.5	22.5
UHV(Kcal/kg)	2339-3791	2339-3745	2339-3745
Grade(Average)	E-G(F)	E-G(F)	E-G(F)

Table No 04.13

Ultimate Analysis & Special Tests

Parameters	Within Block
Ultimate Analysis	on Bcs Sample
C%(dmmf)	83.37-83.72
H%(dmmf)	5.08-5.22
N%(dmmf)	1.79-1.82
S%(dmmf)	0.73-0.84
CT	A-A/B
SI	0

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4.8.5 Seam I Top

It is the Top section of seam –I. The thickness of the seam varies from 0.20 m (CNKNC-50) to 6.63 m (CMKNC-22) in the block. However the average thickness varies between 1.00 m to 2.00 m. The seam is developed in the southern & western part of the block. The parting with overlying seam II Bottom varies from 0.70 m to

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42) to 4.29 m (CNKP-182). However it generally ranges between 1.25m to 2.50m. The seam incrops in the northern part of the block. Roof and floor of the seam is composed of sand stone alternate shale & sand stone, shale, carbonaceous shale etc.

Normally the seam is free from any dirt bands. However, in some of the boreholes combustible bands are present.

The shallowest and deepest depth of intersections in boreholes for this seam are 14.23 m (CMKNC-59) and 338.25 m (CMKNC – 22) respectively.

Range of proximate analysis both for "As received" and "Calculated" basis is given in Table below:-

Table No:04.14

Range of Proximate Analysis (As received & calculated)

Parameters	Bcs	I_{30}	I_{100}
Moisture%	3.9 – 4.9	3.8 -4.9	3.6 – 4.9
Ash%	26.0 – 39.3	26.0 -41.1	26.0 – 43.8
VM%	-	-	23.8
UHV(Kcal/kg)	2940 – 4638	2780 – 4638	2365 – 4638
Grade(Average)	D – F (E)	D-F (E-F)	D – G (E-F)

Ultimate analysis for seam I Top has not been determined owing to its reduced thickness.

4.8.6 Seam II Bottom

This seam is the lower split of seam II.The thickness of the seam varies from 1.05 m (CMKNC-46) to 12.13m (CMKK – 48). However the average thickness is 8.00 m to 10.0 m in the block. This seam is developed through out the block. The parting with overlying seam II Top varies form 0.12 m (CMKK – 112) to 25.28 m (CMKNC-58) in the block. However it generally ranges between 5 m to 9 m. The seam incrops in the northern part of the block. Roof and floor of the seam is composed of sand stone, alternate shale and sand stone, shale, carbonaceous shale, etc. The seam II Bottom is interbanded. The shallowest and deepest depth of intersections in boreholes for the seam is 11.85 m (CMKNC – 24) and 334.81 m (CMKNC – 22).

Range of proximate analysis both for "As received" and "Calculated" basis and ultimate analysis are given in Tables below:-

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Table No:04.15

Range of Proximate Analysis (As received & calculated)

Parameters	Bcs	I_{30}	I_{100}
Moisture%	2.6 – 5.9	3.5-4.7	2.5 – 4.6
Ash%	28.2 – 43.4	28.2 – 43.0	31.0 – 48.6
VM%	20.6 – 26.4	21.7 – 22.4	21. 0 – 24.4
UHV(Kcal/kg)	2469 – 4347	2468 – 4347	1751 - 4001
Grade(Average)	D – F (E-F)	D – F (E-F)	E – G (F)

Table No 04.16

Ultimate Analysis & Special Tests

Parameters	Within Block
Ultimate Analysis	©on Bcs Sample
C%(dmmf)	82.18 – 83.96
H%(dmmf)	5.02 – 5.30
N%(dmmf)	1.55 – 1.73
S%(dmmf)	0.81 – 0.99
CT	A – A/B
SI	0

4.8.7 Seam II Top

This seam is the upper split of seam II. The Thickness of the seam varies from 0.15 m (CMKNC – 25) to 4.37 (CMKK – 116) in the block. However, the average thickness is about 1.50 m to 2.50 m.

This seam is developed through out the block. The parting with overlying seam III Bottom varies from 1.20 m (CMKNC-41) to 28.42 m (CMKNC-43). However it generally ranges between 12 m to 17m. The seam incrops in the northern part of the block.

Roof and floor of the seam is composed of sand stone, alternate shale of sand stone, shale, carbonaceous shale, etc.

This seam is interbanded. Shallowest and deepest depth of intersections of boreholes for the seam are 37.18 m (CMTK-5) and 342.59 m (CMKNC-42) respectively.

Range of proximate analysis both for "As received" and "Calculated" basis and ultimate analysis for Seam II Top has been determined for one borehole (CMKNC 63) are given in Tables below:-

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Table No:04.17

Range of Proximate Analysis (As received & calculated)

Parameters	Bcs	I_{30}	I_{100}
Moisture%	3.0 -6.3	3.0 -5.5	3.0-5.6
Ash%	17.7 – 51. 5	17.7 -51. 5	17.7 – 51. 5
VM%	22.0 – 28.9	-	23.4 – 27.3
UHV(Kcal/kg)	1386 -5688	1386 – 5688	1386 – 5688
Grade(Average)	B-G (E-F)	B-G (E-F)	B-G (E-F)

Table No 04.18

Ultimate Analysis & Special Tests

Parameters	Within Block
Ultimate Analysis	on Bcs Sample
C%(dmmf)	80.49
H%(dmmf)	5.11
N%(dmmf)	1.67
S%(dmmf)	0.70
CT	A /B
SI	0

4.8.8 Seam III Bottom

This seam is lower split of seam III. The thickness of the seam varies from 0.24 m (CMKNC – 26) to 4.72m (CMKK – 104). However, it generally ranges between 1.5 m to 2.25 m. This seam is developed throughout the block. The parting with overlying seam III Top varies form 0.82 m (CMKNC-65) to 24.19 m (CNKP – 182) in the block. The seam incrops in the northern part of the block.

Roof and floor of the seam is composed of sandstone, alternate shale and sandstone, shale, carbonaceous shale etc. This seam is almost free from dirt bands, however some combustible bands are present in few boreholes. The shallowest and deepest depth of intersections in boreholes for the seam are 9.70 m (CMKK-107) and 300.16 m (CMKNC- 22) respectively.

Range of proximate analysis both for "As received" and "Calculated" basis and ultimate analysis are given in Tables below:

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Table No: 04.19

Range of Proximate Analysis (As received & calculated)

Parameters	Bcs	I_{30}	I_{100}
Moisture%	3.2 – 8.2	3.2 – 5.4	3.2 – 5.4
Ash%	18.1 – 48.5	19.0 – 48.5	19.0 – 48.5
VM%	19.9 – 28.6	-	24.6 – 25 .3
UHV(Kcal/kg)	1767 – 5574	1767 – 5528	1767 – 5528
Grade(Average)	C –G (D –E)	C-G (D-E)	C-G (D – E)

Table No 04.20

Ultimate Analysis & Special Tests

Parameters	Within Block
Ultimate Analysis	on Bcs Sample
C%(dmmf)	80.93 – 84.14
H%(dmmf)	4.90
N%(dmmf)	1.58-1.75
S%(dmmf)	0.63-1.00
CO_2	0.92
CT	A-A/B
SI	0

4.8.9 Seam III Top

This seam is the Top split of seam III. It is developed in 68 boreholes out of which its thickness is less than one meter in 65 boreholes and more than one metre in only three boreholes. Since seam thickness is unworkable, it has not been considered for reserve calculation.

4.8.10 Seam IV combined

The seam IV Bottom and Top sections merge together to form seam IV combined in northern and Eastern parts of the block.

The thickness of the seam varies form 6.52 m (CNKP-195) to 13.93m (CMKK-116) with an average thickness of 11.50m.

The parting with overlying seam IV A varies from 0.30m (CMKK – 104) to 8.66 m (CMKNC-11).

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The seam incrops in the northern part of the block. Roof and floor of the seam is composed of sand stone, alternate shale, and sand stone, shale, carbonaceous shale etc. The seam is interbanded. Combustible and non combustible bands are present within the coal seam. The shallowest and deepest depth of intersection in boreholes for the seam are 33.03 m (CMKNC-65) and 293.86 m (CMTK-3) respectively.

Range of proximate analysis both for "As received" and "Calculated" basis and ultimate analysis are given in Tables below:-

Table No:04.21

Range of Proximate Analysis (As received & calculated)

Parameters	Bcs	I_{30}	I_{100}
Moisture%	3.9 – 5.1	3.9 – 5.1	3.6 – 5.1
Ash%	23.0-39.4	23.7 – 39.8	23.7 -43.4
VM%	-	-	-
UHV(Kcal/kg)	2929 – 5016	2875 – 4932	2414 – 4932
Grade(Average)	C –F (D-E)	D-F (E)	D-F (E)

Table No 04.22

Ultimate Analysis & Special Tests

Parameters	Within Block
Ultimate Analysis	on Bcs Sample
C%(dmmf)	82.06 – 83.87
H%(dmmf)	4.90 – 5.08
N%(dmmf)	1.50 – 2.20
S%(dmmf)	0.60 – 0.98
Co_2	0.44 – 0.54
CT	A – A/B
SI	0

4.8.11 Seam IV Bottom

This seam is lower split of seam IV and is developed in southern and western part of the block. The thickness of the seam varies from 2.00 m (CMKNC-26) to 3.30m (CMKNC-55) with an average thickness of 2.50 m. The parting with overlying seam IV Top varies from nil to 3.66m (CMKNC-21). The seam does not incrop in the block. It

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lies below Barren Measure. Roof and Floor of the seam is composed of sand stone, alternate shale and sand stone, shale, carbonaceous shale etc. The seam is interbanded.

Combustible and non combustible bands are present within the coal seam. The shallowest and deepest depth of intersection in boreholes for the seam are 16.50 m (CMKNC-55) and 193.68 m (CNKP-184) respectively.

Range of proximate analysis both for "As received" and "Calculated" basis and ultimate analysis are given in Tables below:-

Table No:04.23
Range of Proximate Analysis (As received & calculated)

Parameters	Bcs	I_{30}	I_{100}
Moisture%	3.7 – 5.3	3.7 – 5.3	3.7 -5.3
Ash%	20.6 – 42.0	20.6-42.0	20.6-42.0
VM%	20.8	-	-
UHV(Kcal/kg)	2598 - 5320	2598 - 5320	2598 - 5320
Grade(Average)	C-F (D-E)	C-F (D-E)	C-F (D-E)

Table No 04.24
Ultimate Analysis & Special Tests

Parameters	Within Block
Ultimate Analysis	on Bcs Sample
C%(dmmf)	82.39
H%(dmmf)	5.03
N%(dmmf)	1.71
S%(dmmf)	0.72
CT	A/B
SI	0

4.8.12 Seam IV Top

This seam is top split of seam IV and is developed in southern [illegible] block. The thickness of the seam varies from 6.52 m (CNKP-195) to [illegible] in (CMKK-116) with a general thickness of 11.50 m. The parting with overlying seam IV A varies from 0.30 (CMKK-104) to 8.66 m (CMKNC-11). The seam does not inc[illegible] the

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block.It lies below Barren Measure. Roof and Floor of the seam is composed of sand stone, alternate shale and sand stone, shale, carbonaceous shale etc.

The seam is interbanded. Combustible and non combustible bands are present within the coal seam.The shallowest and deepest depth of intersection in boreholes for the seam are 33.03 m (CMKNC-65) and 293.86 m (CMTK-3) respectively.

Range of proximate analysis both for "As received" and "Calculated" basis and ultimate analysis are given in Tables below:-

Table No: 04.25

Range of Proximate Analysis (As received & calculated)

Parameters	Bcs	I_{30}	I_{100}
Moisture%	4.0 -5.0	4.0 -5.0	4.0 -5.0
Ash%	24.8 – 38.0	24.8 – 38.0	24.8 – 38.0
VM%	-	-	-
UHV(Kcal/kg)	3100 – 4783	3100 – 4783	3100 – 4783
Grade(Average)	D-F (E)	D-F (E)	D-F (E)

Ultimate analysis for seam IV Top has not been determined.

4.9 RESERVES: -

4.9.1 General: -

The Reserve estimation has been carried out for all the potential Coal Seams of Barakar Formation viz Local (L) to IV Top except III Top in ascending order. Other Coal Seams i.e. Seam-III Top , IVA, IVB, IVC and IV D are also developed within Barakar Formation, but have not been considered for reserve estimation because of their inconsistent nature and unworkable thickness. Similarly, Karharbari seams, being thin (generally < 1 m in thickness), were also not considered for reserves estimation. Reserve for Local (L) Seam has not been included in the quarriable reserves assessment as it is of workable thickness only in a limited patch in the North-East and South-West parts of the block. The reserves of this Seam have been incorporated separately.

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4.9.2 Method of Estimation : -

(a) Minimum Thickness of individual Coal Seams considered for reserves estimation is 1 m. The effective thickness of Seam has been considered by excluding 1m and above dirt bands.

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(b) Documentation of "Proved" and "Indicated" reserve was made as per ISP classification. The line limiting "Proved" category of reserves has been taken 200m from boreholes. In the Eastern Part of the Block (near BH No- CMKNC-27 & K-12) this line has been taken along the Surface position of fault F_3. In the area South of this line, the reserves have been placed in "Indicated" category since practically no boreholes, except three in the South West corner, have been drilled. Reserves in the area north of this line have been placed in the "Proved" category. This line has been shown in the geological and Seam folio Plans. The area considered for "Proved" category of reserves is 4.13 Sq Km and that for "Indicated" reserves is 2.41 Sq Km.

(c) For the purpose of estimating Coal Reserves within the block, Isochors for individual Coal Seams including all dirt bands having thickness up to 1 m or less were prepared and are depicted in seam folio Plans. Isochors have been drawn at 2 m intervals for comparatively thick Seams. However for thin Seams, Isochors have been given at 1 m interval.

(d) Seamwise, gradewise reserves have been estimated by the MINEX Software through its inbuilt System. For estimation of depthwise reserves, Iso-depth contours wise generated through MINEX and accordingly reserves were assessed through this Software. Similarly the Software was applied to estimate the Coal: OB ratio wise reserve.

(e) The specific gravity used for reserve estimation is calculated by a formula 1.28 + 0.1% average ash of the individual Coal Seams including all admissible dirt bands and for different grades. The calculated values are given in Table No-04.26.

Table No- 04.26

Gradewise average specific gravity on 3 basis

Grade	Average Specific Gravity
B	1.46
C	1.50
D	1.55
E	1.61
F	1.68
G	1.75

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(f) Gradewise reserves were computed based on isograde lines. Further, reserves were also computed at every 50 m interval up to 300m and beyond from the floor of Seam I bottom. However additional reserves for local Seam (L) have been assessed separately and incorporated at relevant places in the Geological Report.

(g) Details of breakup of Seamwise, Gradewise net Geological Reserves (Proved & Indicated) have been given in Table 04.27. Details of depthwise, Seamwise and Gradewise net proved Geological Reserves have been given in Table No- 04.28. Further, ratiowise, Seamwise net proved Geological reserves have been given in Table No- 04.29

Table No- 04.27

Seamwise and Gradewise Net Geological Reserves in Million Tonnes

Coal Seams	GRADES						Total Proved	Total Indicated	Grand Total
	B	C	D	E	F	G			
IV TOP			0.729	6.231	1.982		8.941	9.219	18.161
IV Bottom		0.134	1.436	1.110	0.402		3.082	11.673	14.755
IV Combined		0.647	5.861	13.837	4.935		25.280		25.280
III Bottom		0.232	3.433	2.798	1.051	0.018	7.532	4.687	12.219
II TOP	0.006	0.068	0.916	5.620	4.422	0.024	11.056	7.480	18.536
II Bottom				4.326	37.476	0.290	42.092	17.477	59.569
I TOP			0.082	1.639	0.410	0.004	2.135	20.737	22.872
I Middle				2.699	12.993		15.692	16.200	31.892
I TMC				11.142	46.015		57.157		57.157
I Bottom			0.006	0.457	7.411	3.732	11.606	6.712	18.318
Local (L)				0.299	3.445	0.479	4.223	1.533	5.756
Grand Total	0.006	1.081	12.463	50.157	120.542	4.547	188.797	95.718	284.514

Table No- 04.28

Depthwise, Seamwise and Grade Wise Net Proved Geological Reserves in Million Tonnes

DEPTH/ SEAM	GRADE						TOTAL
	B	C	D	E	F	G	
Less Than 50m							
IV TOP							
IV Bottom							
IV Combined							
III Bottom							
II TOP				0.113	0.013		0.126
II Bottom					0.820		0.820

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I TOP				0.038			0.038
I Middle					1.086		1.086
I TMC				0.040	1.900		1.940
I Bottom					0.293	0.558	0.851
TOTAL				**0.191**	**4.112**	**0.558**	**4.861**

Between 50 m to 100m

IV TOP			0.187	0.378			0.565
IV Bottom		0.016	0.087	0.120	0.148		0.371
IV Combined		0.064	0.170	1.155	0.024		1.413
III Bottom		0.005	0.112	0.416	0.095	0.016	0.644
II TOP			0.009	0.862	0.435		1.306
II Bottom				0.273	3.938		4.211
I TOP			0.012	0.037	0.140	0.004	0.193
I Middle				0.064	1.027		1.091
I TMC				0.599	5.312		5.911
I Bottom				0.059	0.425	0.743	1.227
TOTAL		**0.085**	**0.577**	**3.963**	**11.544**	**0.763**	**16.932**

Between 100m to 150 m

IV TOP			0.226	1.165	0.036		1.427
IV Bottom		0.016	0.190	0.332	0.231		0.769
IV Combined		0.099	1.021	5.231	0.930		7.281
III Bottom			0.589	0.670	0.215	0.002	1.476
II TOP			0.205	1.133	0.923	0.005	2.266
II Bottom				0.433	7.370	0.056	7.859
I TOP			0.020	0.009	0.139		0.168
I Middle				0.116	2.820		2.936
I TMC				0.680	8.860		9.540
I Bottom			0.004	0.070	1.671	0.569	2.314
TOTAL		**0.115**	**2.255**	**9.839**	**23.195**	**0.632**	**36.036**

Between 150m to 200 m

IV TOP			0.271	1.455	0.864		2.590
IV Bottom		0.035	0.524	0.329	0.023		0.911
IV Combined		0.467	1.445	5.034	1.493		8.439
III Bottom		0.042	0.677	0.953	0.160		1.832
II TOP	0.006	0.063	0.556	1.491	0.343	0.020	2.479
II Bottom				0.165	11.010	0.234	11.409
I TOP				0.173	0.131		0.304
I Middle				0.077	5.421		5.498
I TMC				1.672	17.788		19.460
I Bottom			0.002	0.122	2.021	0.841	2.986
TOTAL	**0.006**	**0.607**	**3.475**	**11.471**	**39.254**	**1.095**	**55.908**

Between 200m to 250 m

IV TOP			0.045	1.403	0.838		2.286
IV Bottom		0.067	0.283	0.329			0.679
IV Combined		0.017	2.227	1.423	1.492		5.159
III Bottom		0.185	0.905	0.393	0.124		1.607
II TOP		0.005	0.104	0.861	0.564		1.534
II Bottom				0.526	8.200		8.726
I TOP			0.050	0.418			0.468
I Middle				0.968	1.644		2.612

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I TMC				2.715	5.315		8.030
I Bottom				0.116	1.286	0.500	1.902
TOTAL		**0.274**	**3.614**	**9.152**	**19.463**	**0.500**	**33.003**

Between 250m to 300 m

IV TOP				1.527	0.244		1.771
IV Bottom			0.266	0.001			0.267
IV Combined			0.988	0.985	0.995		2.968
III Bottom			0.637	0.236	0.346		1.219
II TOP			0.041	1.001	0.423		1.465
II Bottom				1.075	4.349		5.424
I TOP				0.473			0.473
I Middle				0.719	0.857		1.576
I TMC				2.038	3.710		5.748
I Bottom				0.085	0.576	0.524	1.185
TOTAL			**1.932**	**8.140**	**11.500**	**0.524**	**22.096**

More than 300m

IV TOP				0.302			0.302
IV Bottom			0.086				0.086
IV Combined			0.010	0.010			0.020
III Bottom			0.513	0.131	0.113		0.757
II TOP				0.157	1.724		1.881
II Bottom				1.856	1.789		3.645
I TOP				0.491			0.491
I Middle				0.756	0.138		0.894
I TMC				3.399	3.132		6.531
I Bottom				0.005	1.139		1.144
TOTAL			**0.609**	**7.107**	**8.035**		**15.751**
LOCAL (L)				**0.298**	**3.446**	**0.479**	**4.223**
Grand Total	**0.006**	**1.081**	**12.462**	**50.161**	**120.549**	**4.551**	**188.810**

Table No- 04.29

RATIOWISE, SEAMWISE NET PROVED GEOLOGICAL RESERVES IN MILLION TONNES

Coal Seams / Ratio	GRADES						Total
	B	C	D	E	F	G	
LESS THAN 1:2							
IV TOP			0.176				0.176
IV Bottom		0.005	0.010				0.015
IV Combined		0.022	0.223				0.245
III Bottom			0.050	0.176			0.226
II TOP				0.153	0.167		0.320
II Bottom					1.442		1.442
I TOP				0.006			0.006
I Middle					0.265		0.265
I TMC					1.643		1.643
I Bottom					0.212	0.637	0.849
TOTAL	**0.000**	**0.027**	**0.459**	**0.335**	**3.729**		**5.187**
BETWEEN 1:2 TO 1:3							

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IV TOP			0.158	2.656	0.167		2.981
IV Bottom		0.025	0.117	0.022	0.063		0.227
IV Combined		0.164	1.267	3.349	0.374		5.154
III Bottom		0.005	0.805	0.841	0.380	0.018	2.049
II TOP	0.006	0.063	0.173	1.778	0.998	0.020	3.038
II Bottom				0.403	9.699	0.244	10.346
I TOP			0.006	0.053	0.168	0.004	0.231
I Middle				0.433	3.637		4.070
I TMC				0.415	8.492		8.907
I Bottom			0.005	0.125	1.566	1.289	2.985
TOTAL	**0.006**	**0.257**	**2.531**	**10.075**	**25.544**	**1.575**	**39.988**

BETWEEN 1:3 TO 1:4

IV TOP			0.134	1.249	0.177		1.560
IV Bottom		0.058	0.305	0.502	0.338		1.203
IV Combined		0.257	1.880	5.698	1.877		9.712
III Bottom		0.079	0.453	0.976	0.036		1.544
II TOP			0.419	1.069	0.612	0.005	2.105
II Bottom				0.150	9.992	0.046	10.188
I TOP			0.050	0.109	0.175		0.334
I Middle				0.107	1.666		1.773
I TMC				1.662	8.100		9.762
I Bottom				0.106	2.320	0.734	3.160
TOTAL		**0.394**	**3.241**	**11.628**	**25.293**	**0.785**	**41.341**

BETWEEN 1:4 TO 1:5

IV TOP			0.183	1.778	1.345		3.306
IV Bottom		0.045	0.829	0.465	0.003		1 342
IV Combined		0.205	2.490	3.075	2.190		7.960
III Bottom		0.148	1.262	0.361	0.141		1 912
II TOP			0.247	1.661	0.579		2.487
II Bottom				1.155	10.674		11.829
I TOP			0.025	0.027	0.068		0.120
I Middle				0.991	2.739		3.730
I TMC				2.362	15.859		18.221
I Bottom			0.001	0.160	1.552	0.717	2.430
TOTAL		**0.398**	**5.037**	**12.035**	**35.150**	**0.717**	**53.337**

MORE THAN 1:5

IV TOP			0.077	0.547	0.293		0.917
IV Bottom			0.176	0.121			0.297
IV Combined				1.714	0.494		2.208
III Bottom			0.865	0.446	0.494		1.805
II TOP		0.005	0.077	0.958	2.065		3.105
II Bottom				2.618	5.669		8.287
I TOP				1.444			1.444
I Middle				1.169	4.687		5 856
I TMC				6.704	11.919		18.623
I Bottom				0.066	1.769	0.350	2.184
TOTAL		0.005	1.195	43.78	104.383	0.350	44.726
LOCAL TOTAL				0.299	3.445	0.479	4.223
GRAND TOTAL	**0.006**	**1.081**	**12.462**	**50.157**	**120.54 3**	**4.548**	**188.79 7**

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4.10 OVERBURDEN

4.10.1 Nature:

Seam-I bottom has been considered as the base Seam for open cast exploitation. The under laying Local Seam L has been excluded from this exercise owing to its limited occurrence. Seams-III Top, IVA, IVB, IVC and IVD being comparatively thin and inconsistent do not offer much potential for exploitation. Hence their volume wherever present has been considered as overburden along with other non-coal strata.

4.10.2 Overburden Strata:

The bulk of OB rocks comprise of Sandstone shale and their intermediate varieties. The soil and weathered rock varies 12 to 16 m in thickness.

4.10.3 Procedure adopted for OB calculation.

For calculation of Volume of OB, the methodology adopted was same as it has been done for reserve estimation. The Isochore of total coal was superimposed on the iso-depth plans upto the floor of Seam-I Bottom and based on the difference of the value, the Isopachytes of overburden where drawn by "Growth Technique" method through MINEX Software and subsequently the volume of OB was calculated.

The volume of OB has calculated in two different formats i.e.

a) Depthwise OB and

b) Ratiowise OB.

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The details of OB for the block are given in Tables 04.30 to 04.33.

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Table No- 04.30

Depthwise Overburden upto Floor of Seam-I bottom in Kerendari "A" Block

(Million Cubic Mtr)

Seam	Incrop to 100m depth	Between 100m to 200m depth	Between 200m to 300m depth	More than 300m Depth	Total
IV TOP	3.959	130.218	176.760	133.722	444.659
IV Bottom/ IV Combined	0.785	1.985	1.349	1.557	5.676
III Bottom	4.573	26.226	17.397	8.277	56.473
II TOP	5.817	22.700	16.044	7.108	51.669
II Bottom	2.261	9.905	11.142	7.043	30.351
I TOP	1.612	3.379	7.788	0.561	7.340
I Middle/ I TMC	1.516	1.637	0.475	0.626	4.254
I Bottom	4.312	8.872	4.261	0.687	18.132
TOTAL	24.835	204.922	229.216	159.581	618.554

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Table No- 04.31						
Ratiowise Overburden up to floor of Seam-I bottom in Kerendari "A" block						
					MRlion cubic Mtr	
Seam	Incorop to 1:2 ratio	Between 1:2 to 1:3 ratio	Between 1:3 to 1:4 ratio	Between 1:4 to 1:5 ratio	More than 1:5 ratio	Total
IV TOP	0.694	41.903	69.270	125.183	207.609	444.658
IV Bottom/ IV Combined	0.201	1.334	1.216	0.807	2.117	5.676
III Bottom	1.214	12.095	14.382	14.333	14.449	56.474
II TOP	2.546	11.569	12.250	12.846	12.458	51.669
II Bottom	0.496	4.941	5.511	8.113	11.290	30.351
I TOP	0.356	2.217	2.124	1.402	1.241	7.340
I Middle/ I TMC	0.439	1.426	1.402	0.269	0.718	4.254
I Bottom	1.226	6.318	4.513	4.016	2.060	18.132
TOTAL	7.172	81.803	110.568	166.968	251.944	618.554

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Table No- 04.32			
Ratiowise Total Net Reserves (Proved), Corresponding Overburden and stripping Ratio			
Cut off Ratio	Reserves (Miilion Tonnes)	Overburden (Million Cubic Mtr)	Stripping Ratio
Less than 1:2	5.187	7.172	1.383
1:2 to 1:3	39.988	81.804	2.046
upto 1:3	45.175	88.976	1.970
1:3 to 1:4	41.342	110.667	2.677
Upto 1:4	86.516	199.643	2.308
1:4 to 1:5	53.334	166.967	3.131
Upto 1:5	139.850	366.610	2.621
More than 1:5	44.725	251.944	5.632
Total	184.575	618.554	3.351

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Table No- 04.33			
Depthwise Total Net Reserves (Proved), Corresponding Overburden and stripping Ratio			
Depth (Mt)	Reserves (Miilion Tonnes)	Overburden (Million Cubic Mtr)	Stripping Ratio
Less than 50m	4.861	4.560	0.938
50 to 100m	16.928	20.275	1.197
upto 100m	21.789	24.835	1.139
100 to 150m	36.033	65.599	1.820
150 to 200m	55.906	139.323	2.492
Upto 200m	113.728	229.757	2.020
200 to 250m	33.003	128.862	3.905
250 -300m	22.094	100.354	4.542
upto 300m	168.825	458.973	2.718
More than 300m	15.750	159.581	10.131
Total	184.575	618.554	3.351

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4.11 Conclusion:-

a) Kerendari "A" block covering an area of 6.54 Sq Km is located in the northern part of North Karnapura Coalfield. Chatti-Bariatu & Chatti-Bariatu South blocks lie on the Western & South Western side of the block, Dumri block is on the north western side and Basaria nala forms the Eastern boundary. Extension of Under Ground position of fault F_6-F_6 of Dumri block on the floor of Seam-I bottom forms the Northern boundary. The Southern boundary is limited by Kerendari nala.

b) The topography of the block is almost flat. The drainage is controlled by Basaria and Baldeori nalas. The maximum and minimum elevation within the block is 459 m in north western part and 432m in the South Eastern part.

c) A total number of 86 boreholes involving 17330.46m have been drilled by GSI and CMPDI in this block to assess the opencast potentiality and broad assessment of the deeper deposits.

d) There are five major coal horizons in Barakar formation i.e. Seams Local, I,II,III and IV with two to three splits. Local Seam occurring below Seam –I is not consistent. There are other thin Seams in Barakar and Karharbari formations. They have not been considered for Reserve Calculation due to their poor thickness. For Reserve calculation, Seam thickness of 1m and above have been considered.

e) The strike of the deposit is E-W with 9^0 to 11^0 dip towards South. There are five faults within the block with amount of throws varying from 20m to 130m. All the faults are down throwing towards north-east.

f) The total net Coal reserves within the block are estimated at 284.514 million tonnes. The "proved" reserve is 188.797 million tonnes and the "Indicated" Reserve is 95.718 million tonnes. Proved Reserves upto 300m depth is 168.836 million tonnes. The general grade of coal of Kerendari "A" block rages between B to G with major portion of reserve falling in E to F grade which comes to 170.699 million tones.

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4.12 Recommendation:-

a) The Reserves within the area demarcated as "Proved" category has been explored in detail. However as few boreholes may be required around the box-cut zone for precise delineation of weathered & unweathered incrop zones.

b) Since exploration was for proving the open cast reserves, boreholes density in the northern part is more. In the zone of Indicated reserve, no drilling has been done except three boreholes in the South western corner. In order to bring these indicated reserves under proved category additional boreholes will be required to be drilled in this zone. For this purpose a provision should be kept for drilling of 24 boreholes involving about 8000(aprox) mtrs of drilling.

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CHAPTER-V
MINING

5.1MINE BOUNDARIES AND PARAMETERS

5.1.1Delineation of Mine Boundaries:

5.1.1.1Floor Boundary: The floor of the Quarry is fixed on the floor of the I-bottom seam, which forms the base of the opencast mine. A local seam is lying below I-bottom seam with a parting of about 14-18 m with the overlying I-bottom seam. Since the local seam occurs in patches and in many areas the thickness is less than 1 m, this local seam is not considered for extraction.

5.1.1.2Surface Boundaries: The mode of delineation of surface boundaries is given below.

Eastern Boundaries: In the east, the surface boundary of the opencast mine is fixed by keeping a safe barrier of 60 m from the edge of Basaria Nala. Batter drawn from the surface to meet the floor of the Seam I-bottom delineates the floor edge of the mine.

Southern Boundary: A distance of 7.5 m is left against the block boundary of the property in the south to fix the surface boundary of the mine, for the ultimate pit including indicated reserve. Again, the batter drawn from the surface to meet the floor of the I-bottom seam which is the floor edge of the mine in the south. For the mine in proved reserve under planning, with a life of 25 years, the southern boundary partly conforms to the fault line F3 in Seam IV Top and partly proved reserve delineation.

Western Boundary: In the west, a horizontal distance of 21m to 24m is left against the block boundary of the mine-take to form the surface boundary of the mine in the west. The bottom edge of the quarry is the line on the floor of I-bottom seam where the projected batter drawn from the surface meets.

In the south-west corner of the block a small area is lying beyond the major fault F1 on the up thrown side of the fault. The floor of that patch is 130m above the floor of the main quarry and at a depth of 160m from the surface in the rise side and 290m from the surface in the dip side.

Northern Boundary: This is the rise side boundary of the property. In this side the floor boundary of the mine is fixed on the inner edge of the incrop of I-bottom seam

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where the thickness of the seam is workable and the projected batter drawn from the floor to meet the surface to form the surface boundary of the mine in the north.

5.1.2 Parameter of the mine-take: The basic parameter of the opencast mine are given below:

i) Maximum length of the quarry along the dip at surface = 2295.6 m

ii) Maximum length of the quarry along dip at floor = 1857.11 m

iii) Minimum length of the quarry along dip at surface = 356.15 m

iv) Minimum length of the quarry along dip at floor = 76.66 m

v) Maximum width of the quarry along strike at surface = 2661.85 m

vi) Maximum width of the quarry along strike at floor = 2303.58 m

vii) Minimum width of the quarry along strike at surface = 765 m

viii) Minimum width of the quarry along strike at floor = 740 m

ix) Maximum depth of the quarry = 325m

x) Minimum depth of the quarry = 13m

Xi) Area of excavation = 544.27 Hectares for the Ultimate pit including indicated reserve also and 470.18 Ha for the phase 1 mine for proved reserve.

5.2 Mineable Reserves and Stripping Ratio

5.2.1 Geological and mining characteristics of the mine.

5.2.1.1 The following Table No. 5.1 shows the geological and mining characteristics of the proposed opencast mine.

Table: - 5.1 - GEOLOGICAL AND MINING CHARACTERISTICS

Sl No.	Particulars	Thickness(m)		Usual Thickness(m)
		From	To	
A	Coal			
1.	Seam IV (D)	0.15	0.45	0.75
2.	Seam IV (C)	0.25	1.60	0.70
3.	Seam IV (B)	0.07	0.46	0.55
4.	Seam IV (A)	2.40	2.68	0.50
5.	Seam IV (TOP)	2.85	8.40	6.0-7.0
6.	Seam IV (BOTTOM)	2.00	3.30	2.50
7.	Seam IV (COMBINED)	6.52	13.93	8.00-9.00
8.	Seam III (TOP)	0.16	1.92	0.60
9.	Seam III (BOTTOM)	0.24	4.72	2.00-3.00

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10.	Seam II (TOP)	0.15	4.37	1.50-2.50
11.	Seam II (BOTTOM)	1.05	12.13	7.00-9.00
12.	Seam I (TOP)	0.20	6.63	1.00-2.00
13.	Seam I (MIDDLE)	8.11	19.24	10.00-12.00
14.	Seam I (TMC)	8.61	18.70	14.00-15.00
15.	Seam I (BOTTOM)	0.45	5.82	1.50-2.50
16.	Seam L(LOCAL)			
17.	Category of Excavation	Category-III		
18.	Quality	Grade-F		
19.	Volume Weight	1.68		
20.	Dip of the seam	9° to 11° southerly		
B.	Overburden			
1.	Top O.B	11-344		11-240
2.	Parting bet. IVD & IVC	0.20-11.78		3.50-4.50
3.	Parting bet. IVC & IVB	0.54-22.99		6.00-9.00
4.	Parting bet. IVB & IVA	0.84-32.17		9.00-12.00
5.	Parting bet. IVA & IV TOP	0.30-8.66		1.50-2.50
6.	Parting bet. IV TOP & IV BOTTOM/IV COM	1.00-3.66		1.00-2.00
7.	Parting bet. IVBOTTOM/ IVCOMB & IIITOP	0.80-12.97		5.00-6.00
8.	Parting bet. III TOP & III BOTTOM	0.82-24.19		9.00-11.50
9.	Parting bet. III BOTTOM & II TOP	1.20-28.42		12.00-17.00
10.	Parting bet. II TOP & II BOTTOM	0.12-25.28		5.00-9.00
11.	Parting bet. II BOTTOM & I TOP	0.70-4.29		1.25-2.50
12.	Parting bet. I TOP & I MIDDLE/ I TMC	0-3.50		1.00-2.00
13.	Parting bet. I MIDDLE / I TMC & I BOTTOM	0.83-11.14		3.00-7.00
14.	Parting bet. I BOTTOM & SEAM-L(LOCAL)	1.83-24.97		14.00-18.00
15.	Category of Excavation	50% cat. III + 50% cat. IV		
16.	Volume Weight	2.20-2.40 (assumed)		

5.2.2 Mineable Reserves: In this mine-take, coal seams of Barakar measures overlying measures have been envisaged to be extracted. Again, out of 16 no. of seams, as shown in Table 4.4, of Barakar measures only. Nine seams have been considered for mining. Seam IVA, IVB, IVC, IVD and III (TOP) have not been considered as their individual thickness is less than 1 m and because of their inconsistent nature. The volumes of these seams have been included in the volume of overburden.

As per G. R. of the Barakar Formations ref. Para 4.5.4 Seam I "This is the lowermost workable seam of Barakar Formation in this block". Below I bottom seam which is the

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bottom most section of seam I, the Local seam occurs. "It exhibits a thickness of more than 1 meter in the northeastern part of the block". Parting with overlying seam 1 bottom "generally ranges between 14 m to 18 m in the block. Moreover, depthwise and ratio wise overburden calculation in GR as per Table 5.4.7.1 and 5.4.7.2 have been confined to the floor of seam I. Thus, local seam has not been included as a mineable seam in the GR.

Reserves of Local (L) Seam have not been included in the quarriable reserves in the mining plan. The Mining plan exercise explored possibility of winning some part of this seam reserve that will need further deepening of the open pit (maximum depth already planned is 325 m and not a regular deepening along the face. Deepening at patch will leave exposed coal at upper benches more prone to spontaneous heating for a longer time thus causing more loss of coal during mining operation affecting coal conservation and mine safety.

Table5.2 shows the mineable reserves of coal and corresponding volume of overburden and interburden between the seams.

Table 5.2 – Mineable Reserve

Item	Proved (MT)
Total Net Geological reserve	188.79
L seam, considered unworkable	4.22
Net (minus L seam)	184.57
Coal lost in barrier against boundary & Nala	22.07
Coal lost in batter	13.02
Mining loss	7.47
Mineable reserves	142.01
Maximum depth upto lowest workable I Bottom seam	325 m
Coal	142.01 MT
Overall S. R.	4.37
Mine life	25 years

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5.2.3 Stripping Ratio:

Running stripping ratio of the mine in different years has been shown in calendar programme of excavation vide Table no5.3 for Proved Reserve

5.3Design Criteria, Rated Production and Life of the mine.

5.3.1 Design Criteria: So far as the mining operation is concerned the following schedule will be resorted to as far as practicable.

Working days in a year = 330 days

No of shifts per day = 3

Working hours per shift = 8 hours

Other design criteria for the formulation of this report is based on the geological and mining characteristics of the block as described in para 5.2.1

5.3.2 Rated Production:

The mine has been planned for a rated production of 6 Million tonnes per annum. The year wise phasing of coal production and corresponding removal of overburden has been given in the calendar Programme of Excavation vide Table no.5.3 for Proved Reserves

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Table 5.3: Calendar Programme of Excavation

Sl No.	Particulars/Year	Yearwise/Cumulative	1	2	3	4
A	OB					
1	Top O.B. (M.Cum)	Y	4.26	5.93	8.90	8.90
		C	4.26	10.19	19.09	27.99
2	Parting between IV(T) & IV(B) Seams (M.Cum)	Y	0.00	0.00	0.00	0.00
		C				
3	Parting between IV[C]/IV(B) & III(B) Seams (M.Cum)	Y	0.28	1.54	2.30	2.30
		C	0.28	1.82	4.12	6.42
4	Parting between III(B) & II(T) Seams (M.Cum)	Y	0.57	1.30	1.95	1.95
		C	0.57	1.87	3.82	5.77
5	Parting between II(T) & II(B) Seams (M.Cum)	Y	0.22	0.19	0.28	0.28
		C	0.22	0.41	0.69	0.97
6	Parting between II(B) & I(T)/I(TMC) Seams (M.Cum)	Y	0.42	0.23	0.35	0.35
		C	0.42	0.65	1.00	1.35
7	Parting between I(T) & I(M) Seams (M.Cum)	Y		0.21	0.32	0.32
		C		0.21	0.53	0.85
8	Parting between I(TMC)/I(M) & I(B) Seams (M.Cum)	Y	0.74	0.52	0.77	0.77
		C	0.74	1.26	2.03	2.80
9	Total O.B (M.Cum)	Y	6.49	9.92	14.87	14.87
		C	6.49	16.41	31.28	46.15
B	Coal					
1	Seam IV(C) (Mte)	Y	0.30	1.42	2.13	2.13
		C	0.30	1.72	3.85	5.98
2	Seam IV(T) (Mte)	Y				
		C				
3	Seam IV(B) (Mte)	Y				
		C				
4	Seam III(B) (Mte)	Y	0.16	0.24	0.35	0.35
		C	0.16	0.40	0.75	1.10
5	Seam II(T) (Mte)	Y	0.18	0.39	0.58	0.58
		C	0.18	0.57	1.15	1.73
6	Seam II(B) (Mte)	Y	0.57	0.71	1.07	1.07
		C	0.57	1.28	2.35	3.42
7	Seam I(T) (Mte)	Y	0.00	0.09	0.14	0.14
		C	0.00	0.09	0.23	0.47
8	Seam I(TMC) (Mte)	Y	0.56	0.33	0.50	0.50
		C	0.56	0.89	1.39	1.89
9	Seam I(M) (Mte)	Y	0.00	0.60	0.90	0.90
		C	0.00	0.60	1.50	2.40
10	Seam I(B) (Mte)	Y	0.22	0.22	0.33	0.33
		C	0.22	0.44	0.77	1.10
11	Total Coal (Mineable) (Mte)	Y	2.00	4.00	6.00	6.00
		C	2.00	6.00	12.00	18.00
C	STRIPPING RATIO					
1	Running (Cum/te)		3.24	2.48	2.48	2.48
2	Average (cum/te)		3.24	2.73	2.61	2.56

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Sl No.	Particulars/Year	Yearwise/Cumulative	5	6	7	8
A	OB					
1	Top O.B. (M.Cum)	Y	10.16	19.97	19.97	19.97
		C	38.15	58.12	78.09	98.06
2	Parting between IV(T) & IV(B) Seams (M.Cum)	Y				
		C				
3	Parting between IV[C]/IV(B) & III(B) Seams (M.Cum)	Y	2.33	2.42	2.42	2.42
		C	8.75	11.17	13.59	16.01
4	Parting between III(B) & II(T) Seams (M.Cum)	Y	2.00	2.50	2.50	2.50
		C	7.77	10.27	12.77	15.27
5	Parting between II(T) & II(B) Seams (M.Cum)	Y	0.35	0.90	0.90	0.90
		C	1.32	2.22	3.12	4.02
6	Parting between II(B) & I(T)/I(TMC) Seams (M.Cum)	Y	0.33	0.30	0.30	0.30
		C	1.68	1.98	2.28	2.58
7	Parting between I(T) & I(M) Seams (M.Cum)	Y	0.29	0.00	0.00	0.00
		C	1.14	1.14	1.14	1.14
8	Parting between I(TMC)/I(M) & I(B) Seams (M.Cum)	Y	0.77	0.74	0.74	0.74
		C	3.57	4.31	5.05	5.99
9	Total O.B (M.Cum)	Y	16.23	26.83	26.83	26.83
		C	62.38	89.21	116.04	142.87
B	Coal					
1	Seam IV(C) (Mte)	Y	2.09	1.92	1.92	1.92
		C	8.07	9.99	11.91	13.83
2	Seam IV(T) (Mte)	Y				
		C				
3	Seam IV(B) (Mte)	Y				
		C				
4	Seam III(B) (Mte)	Y	0.37	0.38	0.38	0.38
		C	1.47	1.85	2.23	2.61
5	Seam II(T) (Mte)	Y	0.57	0.50	0.50	0.50
		C	2.30	2.80	3.30	3.80
6	Seam II(B) (Mte)	Y	1.07	1.15	1.15	1.15
		C	4.49	5.64	6.79	7.94
7	Seam I(T) (Mte)	Y	0.11	0.00	0.00	0.00
		C	0.48	0.48	0.48	0.48
8	Seam I(TMC) (Mte)	Y	0.65	1.75	1.75	1.75
		C	2.54	4.29	6.04	7.79
9	Seam I(M) (Mte)	Y	0.80	0.00	0.00	0.00
		C	3.20	3.20	3.20	3.20
10	Seam I(B) (Mte)	Y	0.33	0.31	0.31	0.31
		C	1.43	1.74	2.05	2.36
11	Total Coal (Mineable) (Mte)	Y	6.00	6.00	6.00	6.00
		C	24.00	30.00	36.00	42.00
C	STRIPPING RATIO					
1	Running (Cum/te)		2.71	4.47	4.47	4.47
2	Average (cum/te)		2.60	2.97	3.22	3.40

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Sl No.	Particulars/Year	Yearwise/Cumulative	9	10	11	12
A	OB					
1	Top O.B. (M.Cum)	Y	19.97	19.97	23.43	23.43
		C	18.03	138.00	159.03	182.46
2	Parting between IV(T) & IV(B) Seams (M.Cum)	Y				
		C				
3	Parting between IV[C]/IV(B) & III(B) Seams (M.Cum)	Y	2.42	2.42	2.41	2.39
		C	10.43	20.85	23.26	25.65
4	Parting between III(B) & II(T) Seams (M.Cum)	Y	2.50	2.50	2.36	2.10
		C	17.77	20.27	22.63	24.73
5	Parting between II(T) & II(B) Seams (M.Cum)	Y	0.90	0.90	1.14	1.76
		C	4.92	5.82	6.96	8.72
6	Parting between II(B) & I(T)/I(TMC) Seams (M.Cum)	Y	0.30	0.30	0.28	0.26
		C	2.88	3.18	3.46	3.72
7	Parting between I(T) & I(M) Seams (M.Cum)	Y	0.00	0.00	0.00	0.00
		C	1.14	1.14	1.14	1.14
8	Parting between I(TMC)/I(M) & I(B) Seams (M.Cum)	Y	0.74	0.74	0.75	0.71
		C	6.53	7.27	8.02	8.73
9	Total O.B (M.Cum)	Y	26.83	26.83	27.97	30.65
		C	169.70	196.53	224.50	255.15
B	Coal					
1	Seam IV{C} (Mte)	Y	1.92	1.92	1.83	1.60
		C	15.75	17.67	19.50	21.10
2	Seam IV(T) (Mte)	Y				
		C				
3	Seam IV{B} (Mte)	Y				
		C				
4	Seam III(B) (Mte)	Y	0.38	0.38	0.39	0.35
		C	2.99	3.37	3.76	4.11
5	Seam II(T) (Mte)	Y	0.50	0.50	0.47	0.44
		C	4.30	4.80	5.27	5.71
6	Seam II(B) (Mte)	Y	1.15	1.15	1.16	1.20
		C	9.09	10.24	11.40	12.60
7	Seam I(T) (Mte)	Y	0.00	0.00	0.00	0.00
		C	0.48	0.48	0.48	0.48
8	Seam I(TMC) (Mte)	Y	1.75	1.75	1.87	2.05
		C	9.54	11.29	13.16	15.21
9	Seam I(M) (Mte)	Y	0.00	0.00	0.00	0.00
		C	3.20	3.20	3.20	3.20
10	Seam I(B) (Mte)	Y	0.31	0.31	0.29	0.36
		C	2.67	2.98	3.27	3.63
11	Total Coal (Mineable) (Mte)	Y	6.00	6.00	6.00	6.00
		C	48.00	54.00	60.00	66.00
C	STRIPPING RATIO					
1	Running (Cum/te)		4.47	4.47	4.68	5.10
2	Average (cum/te)		3.54	3.64	3.74	3.87

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Sl No.	Particulars/Year	Yearwise/Cumulative	13	14	15	16
A	OB					
1	Top O.B. (M.Cum)	Y	23.43	23.43	23.43	23.43
		C	205.89	229.32	252.75	276.18
2	Parting between IV(T) & IV(B) Seams (M.Cum)	Y				
		C				
3	Parting between IV[C]/IV(B) & III(B) Seams (M.Cum)	Y	2.39	2.39	2.39	2.39
		C	28.04	30.43	32.82	35.21
4	Parting between III(B) & II(T) Seams (M.Cum)	Y	2.10	2.10	2.10	2.10
		C	26.83	28.93	31.03	33.13
5	Parting between II(T) & II(B) Seams (M.Cum)	Y	1.76	1.76	1.76	1.76
		C	10.48	12.24	14.00	15.76
6	Parting between II(B) & I(T)/I(TMC) Seams (M.Cum)	Y	0.26	0.26	0.26	0.26
		C	3.98	4.24	4.50	4.76
7	Parting between I(T) & I(M) Seams (M.Cum)	Y	0.00	0.00	0.00	0.00
		C	1.14	1.14	1.14	1.14
8	Parting between I(TMC)/I(M) & I(B) Seams (M.Cum)	Y	0.71	0.71	0.71	0.71
		C	9.44	10.15	10.86	11.57
9	Total O.B (M.Cum)	Y	30.65	30.65	30.65	30.65
		C	285.80	316.45	347.10	377.75
B	Coal					
1	Seam IV(C) (Mte)	Y	1.60	1.60	1.60	1.60
		C	22.70	24.30	25.90	27.50
2	Seam IV(T) (Mte)	Y				
		C				
3	Seam IV(B) (Mte)	Y				
		C				
4	Seam III(B) (Mte)	Y	0.35	0.35	0.35	0.35
		C	4.46	4.81	5.16	5.51
5	Seam II(T) (Mte)	Y	0.44	0.44	0.44	0.44
		C	6.15	6.59	7.03	7.47
6	Seam II(B) (Mte)	Y	1.20	1.20	1.20	1.20
		C	13.80	15.00	16.20	17.40
7	Seam I(T) (Mte)	Y	0.00	0.00	0.00	0.00
		C	0.48	0.48	0.48	0.48
8	Seam I(TMC) (Mte)	Y	2.05	2.05	2.05	2.05
		C	17.26	19.31	21.36	23.41
9	Seam I(M) (Mte)	Y	0.00	0.00	0.00	0.00
		C	3.20	3.20	3.20	3.20
10	Seam I(B) (Mte)		0.36	0.36	0.36	0.36
			3.99	4.35	4.71	5.07
11	Total Coal (Mineable) (Mte)		6.00	6.00	6.00	6.00
			72.00	78.00	84.00	90.00
C	STRIPPING RATIO					
1	Running (Cum/te)		5.10	5.10	5.10	5.10
2	Average (cum/te)		3.97	4.06	4.13	4.20

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Sl No.	Particulars/Year	Yearwise/Cumulative	17	18	19	20
A	OB					
1	Top O.B. (M.Cum)	Y	26.94	28.31	28.31	28.31
		C	303.12	31.43	359.74	388.0
2	Parting between IV(T) & IV(B) Seams (M.Cum)	Y		0.28	0.28	0.28
		C		0.28	0.56	0.84
3	Parting between IV[C]/IV(B) & III(B) Seams (M.Cum)	Y	2.01	1.83	1.83	1.83
		C	37.22	39.05	40.88	42.71
4	Parting between III(B) & II(T) Seams (M.Cum)	Y	1.85	1.78	1.78	1.78
		C	34.98	36.76	38.54	40.32
5	Parting between II(T) & II(B) Seams (M.Cum)	Y	2.06	2.17	2.17	2.17
		C	17.82	19.99	22.16	24.33
6	Parting between II(B) & I(T)/I(TMC) Seams (M.Cum)	Y	0.32	0.29	0.29	0.29
		C	5.08	5.37	5.66	5.95
7	Parting between I(T) & I(M) Seams (M.Cum)	Y	0.05	0.05	0.05	0.05
		C	1.19	1.24	1.29	1.34
8	Parting between I(TMC)/I(M) & I(B) Seams (M.Cum)	Y	0.56	0.47	0.47	0.47
		C	12.13	12.60	13.07	13.54
9	Total O.B with advance (M.Cum)	Y	33.74	35.18	35.18	35.18
		C	411.49	446.67	481.85	517.0
B	Coal					
1	Seam IV(C) (Mte)	Y	0.79	0.44	0.44	0.44
		C	28.29	28.73	29.17	29.61
2	Seam IV(T) (Mte)	Y	0.47	0.68	0.68	0.68
		C	0.47	1.15	1.83	2.51
3	Seam IV(B) (Mte)	Y	0.25	0.35	0.35	0.35
		C	0.25	0.60	0.95	1.30
4	Seam III(B) (Mte)	Y	0.32	0.27	0.27	0.27
		C	5.83	6.10	6.37	6.64
5	Seam II(T) (Mte)	Y	0.51	0.54	0.54	0.54
		C	7.98	8.52	9.06	9.60
6	Seam II(B) (Mte)	Y	1.21	1.18	1.18	1.18
		C	18.61	19.79	20.97	22.15
7	Seam I(T) (Mte)	Y	0.05	0.08	0.08	0.08
		C	0.53	0.61		
8	Seam I(TMC) (Mte)	Y	1.88	1.80	1.80	1.80
		C	25.29	27.09	28.89	30.69
9	Seam I(M) (Mte)	Y	0.22	0.31	0.31	0.31
		C	3.42	3.73	4.04	4.35
10	Seam I(B) (Mte)	Y	0.32	0.36	0.36	0.36
		C	5.39	5.75	6.11	6.47
11	Total Coal (Mineable) (Mte)	Y	6.00	6.00	6.00	6.00
			96.00	102.00	108.00	114.0
C	STRIPPING RATIO					
1	Running (Cum/te)		5.62	5.86	5.86	5.86
2	Average (cum/te)		4.29	4.38	4.46	4.53

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Sl No.	Particulars/Year	Yearwise/ Cumulative	21	22	23	24	25
A	OB						
1	Top O.B. (M.Cum)	Y	20.76	21.00	21.00	10.00	2.14
		C	408.81	429.81	450.81	460.81	462.95
2	Parting between IV(T) & IV(B) Seams (M.Cum)	Y	0.27	0.29	0.29	0.21	0.12
		C	1.11	1.40	1.69	1.90	2.02
3	Parting between IV[C]/IV(B) & III(B) Seams (M.Cum)	Y	1.55	1.90	1.90	1.41	1.06
		C	44.26	46.16	48.06	49.47	50.53
4	Parting between III(B) & II(T) Seams (M.Cum)	Y	1.52	1.85	1.85	1.37	0.99
		C	41.84	43.69	45.54	46.91	47.90
5	Parting between II(T) & II(B) Seams (M.Cum)	Y	2.02	2.26	2.26	1.67	1.04
		C	26.35	28.61	30.87	32.54	33.58
6	Parting between II(B) & I(T)/I(TMC) Seams (M.Cum)	Y	0.31	0.30	0.30	0.22	0.11
		C	6.26	6.56	6.86	7.08	7.19
7	Parting between I(T) & I(M) Seams (M.Cum)	Y	0.05	0.05	0.05	0.04	0.02
		C	1.39	1.44	1.49	1.53	1.55
8	Parting between I(TMC)/I(M) & I(B) Seams (M.Cum)	Y	0.47	0.48	0.48	0.38	0.22
		C	14.01	14.49	14.97	15.33	15.55
9	Total O.B with advance (M.Cum)	Y	26.95	28.13	28.13	15.28	5.70
		C	543.98	572.11	600.24	615.52	621.22
B	Coal						
1	Seam IV(C) (Mte)	Y	0.45	0.44	0.44	0.45	0.28
		C	30.06	30.50	30.94	31.39	31.67
2	Seam IV(T) (Mte)	Y	0.67	0.66	0.66	0.65	0.40
		C	3.18	3.84	4.50	5.15	5.55
3	Seam IV(B) (Mte)	Y	0.34	0.35	0.35	0.33	0.20
		C	1.64	1.99	2.34	2.67	2.87
4	Seam III(B) (Mte)	Y	0.28	0.27	0.27	0.28	0.16
		C	6.92	7.19	7.46	7.74	7.90
5	Seam II(T) (Mte)	Y	0.55	0.54	0.54	0.52	0.32
		C	10.15	10.69	11.23	11.75	12.07
6	Seam II(B) (Mte)	Y	1.17	1.19	1.19	1.20	0.96
		C	23.32	24.51	25.70	26.90	27.86
7	Seam I(T) (Mte)	Y	0.07	0.08	0.08	0.07	0.04
		C					
8	Seam I(TMC) (Mte)	Y	1.78	1.80	1.80	1.84	1.28
		C	32.47	34.27	36.07	37.91	39.19
9	Seam I(M) (Mte)	Y	0.30	0.31	0.31	0.30	0.18
		C	4.65	4.96	5.27	5.57	5.75
10	Seam I(B) (Mte)	Y	0.36	0.36	0.36	0.37	0.20
		C	6.83	7.19	7.55	7.92	8.12
11	Total Coal (Mineable) (Mte)	Y	6.00	6.00	6.00	6.00	4.01
		C	120.00	126.00	132.00	138.00	142.01
C	STRIPPING RATIO						
1	Running (Cum/te)		4.49	4.69	4.69	2.55	1.42
2	Average (cum/te)		4.53	4.54	4.55	4.46	4.37

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5.3.3 Life of the mine:

Considering the mineable reserves of the mine-take and above rated production and build- up of production in the initial 2 production years, the open-cast mine will produce coal for 25 years in proved reserve.

5.4Opening of the deposit and Sequence of mining operation:

5.4.1 Opening of the deposit: The mine will be opened up by driving an access trench from surface with R.L 454m at a gradient of 6° (i.e 1 in 16) to reach the quarry floor at 438m R.L. The benches will be formed along the strike for advancement of the quarry for initial Box cut. The Box cut operation will continue along strike as well as along dip. In the box cut the quarry will reach at a floor R.L of 420m. At this stage the mine will produce 2 million tonnes of coal by removing overburden of 6.49 M cum. The corresponding stripping ratio works out to 3.24 cum/te. This box cut operation is actually the mine working during first year. Plate no. 9A shows the mine stage plan at the end of the1st year of quarry operation.

5.4.2 Sequence of mining operation: After the completion of the box cut operation the mine will advance along the strike and towards the dip by removing O.B to produce planned quantity of coal every year. Necessary benches will be formed to facilitate mine operation smoothly. As the quarry progresses towards the dip, no. of O.B and coal benches will be increased to match with the depth of the quarry in a particular stage of operation. Plate no 9B, 9C, 9D, 9E and 9F show the stage plans of mine at the end of 2nd, 3rd, 4th, 5th and 6th year of quarry operation. The opencast mine will reach its annual production target in the 3rd production year. During 3rd production year, the mine will produce 6.0 million tones of coal by removing 14.87 Million Cum of O.B.

The mine will continue to produce at the same rate i.e 6.0 Mtes/year till 24th year of mine life, in the 25th year the mine will produce 4 Million tonnes of coal and the corresponding volume of overburden to be removed will be 9.70 Million Cum. (ref. Plate No. 9F)

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5.5Mining system and selection of Equipment:

5.5.1 Mining System

5.5.1.1 The Mine-take having multiseam deposit with steeply dipping seams does not attract application of dragline for the removal of overburden. Dragline is ideal for flat seam and when a single seam, being exposed by dragline has substantial reserve, without splits. Length of face has to be reasonable. Here, the system is very rigid in terms of mine geometry.

Applicability of surface miner: Since there are multiple coal seams, both thin and medium thick and it will not be possible to have large exposure of coal in a single thick and flat seam, which is pre-requisite for application of surface miner, the same is being ruled out in favour of shovel dumper combination. The gradient is also not favourable for the application of surface miner.

As such, mining system with shovel dumper combination has been proposed for both overburden removal and coal extraction.

5.5.1.2 Top overburden is proposed to be removed by deploying electric rope shovel in conjunction with rear dumper.

Coal and the group of partings between the seams are proposed to be excavated by deploying electric hydraulic shovel in conjunction with rear dumper.

Practically the opencast mine is divided vertically by two main horizons. Upper horizon consists of large top overburden and the lower horizon is the combination of all coal seams and their inter-burdens.

5.5.1.3 Both coal and overburden rocks have to be loosened/fragmented before actual extraction. As such, drilling blast holes and subsequent blasting will be resorted to. Before blasting operation commences , a series of trial blasting have to be done by the mine blasting engineer to arrive at the appropriate blasthole geometry, powder factor, type of initiation, deck charging, if any etc, to ensure proper fragmentation, minimum throw and toe.

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5.5.1.4 The blasted/ fragmented materials will be excavated by the respective shovels for the particular horizons and loaded into the truck for being hauled out. In case of coal, it will be transported upto the crusher / coal dump. For OB, initially OB spoil will be hauled out of quarry to dump in the external dump and subsequently back dumping into the decoaled area will be restored to.

5.5.1.5 Bench Geometry: Plate no. 11 shows the elements of mining system presented in the mine cross-sections. The following are the various parameters adopted in the bench design.

a) For 25 M^3 Electric rope shovel to be deployed for removal of Top overburden

1) Height of the bench- 15m
2) Width of the working bench – 60m
3) Width of the non-working bench- 30m
4) High wall angle of the bench- 70° to the horizontal

b) For 12 M^3 hydraulic shovel working in the thick seam and thick parting.

1) Height of the bench-15m
2) Width of the working bench –40m
3) Width of the non-working bench-25m
4) High wall angle of the bench- 70°

c) For 4.5 M^3 hydraulic shovel working in the thin seam and thin parting.

1) Height of the bench-equal to thickness of coal seam and thickness of parting
2) Width of the working bench –30m
3) Width of the non-working bench-25m
4) High wall angle of the bench- 70°

the above parameters may be modified according to the actual working condition. The high wall angle for the soft OB bench will not be steeper than 45°.

5.5.1.6 Selection of Equipments:

As stated earlier the mine is practically consisting of two main horizons

a) Top Overburden
b) Group of interburden and respective coal seams.

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Top Overburden: As estimated, the volume of top overburden is 74% of total overburden of the mine –take. The depth of top overburden is large; it varies from 8m in the incrop side to 180 m in the dip side. Due to its large volume and large depth, it will be appropriate to suggest large electric rope shovel in conjunction with very big truck for the removal of top overburden. And also considering proper utilization and almost total amortization, Electric rope shovel of bucket 25m^3 has been envisaged for the removal of top overburden in conjunction with 200T rear dumper. For optimum fragmentation of OB rock, for drilling blast holes in the OB bench 250 mm diameter Rotary blast hole drill has been suggested to match with the 25m^3 bucket electric rope shovel.

As auxiliary equipments, in the OB face to push the blasted rocks and again in the OB dump for spreading of O.B spoil, 600 HP crawler mounted dozer has been suggested.

Table below shows the HEMM suggested for Top O.B removal.

Table 5.4 – Equipment for Top OB

Sl no.	Type of equipment
1	25m^3 Electric Rope Shovel
2	200 T Rear discharge dumper
3	250 mm diameter Rotary blast hole Drill
4	600 HP crawler mounted dozer

Coal and inter-burdens: In this mine take, both thick and thin seams are occurring. IV (combined), IV (Bottom), II (Bottom) and I (Top middle combined). Seams have been considered as thick seam, where as IV (Top), III (Bottom), I (Top) and I (Bottom) seams are thin seams.

Similarly, thick and thin partings between seams exist. Interburder between IV(C)/IV (B) and III (B), III (B) and II (T) and II (T) and II (B) are more or less thick partings thickness varying from 10m to 20 m. But the partings between IV(T) and IV(B), II(B) and I (T), I(T) and I (Middle) and I(M)/I(TMC) and I(B) are very thin varying from 1m to 3 m.

Considering the above scenario, two types of hydraulic shovels have been suggested for extraction of coal as well as removal of interburden. Hydraulic shovel with bucket

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capacity 12 m^3 is proposed to extract coal from thick seams and remove interburden of large depth. This shovel will work in conjunction with 120 T dumper.

Similarly, hydraulic shovel of smaller bucket e.g 4.5m^3 is suggested to extract coal from thin seams and removal of interburden of smaller depth. The hydraulic shovel will work with 50T Rear dumper.

For loosening and fragmentation of coal and interburden rock 250mm and 160mm dia. Rotary blast hole drill proposed for drilling blast hole in coal and partings to assist hydraulic shovels. 250mm drill will be utilized for drilling in thick seam and large parting where as 160 mm drill will be deployed in thin seam and parting. In coal and parting, 410 HP crawler mounted dozer is proposed to work with shovel on the face.

Table below shows the proposed HEMM for extraction of coal and removal of partings.

Table 5.5 – Equipment for Interburden and Coal Seam

Sl no.	Type of equipment
1	12m^3 Electric Hydraulic Shovel
2	120 T Rear discharge dumper
3	4.5m^3 Electric Hydraulic Shovel
4	50 T Rear discharge dumper
5	250 mm diameter Rotary blast hole Drill
6	160 mm diameter Rotary blast hole Drill
7	610 HP crawler mounted dozer
8.	410 HP crawler mounted dozer

Auxiliary Equipments: Apart from the main Heavy earth moving equipments for removal of overburden and extraction of coal, a fleet of other auxiliary equipments are suggested for smooth operation of the opencast mine.

Table below shows the list of auxiliary equipments suggested in this project.

Table 5.6 – Auxiliary Equipment

Sl no.	Type of equipment
1	285 HP Motor grader
2	28 KL water sprinkler
3	25T Vibratory compactor
4	4.5 M^3 F.E loader
5	100 T mobile crane
6	60 T mobile crane

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7	18 T mobile crane
8	Jack hammer drill with compressor
9	$2m^3$ hydraulic backhoe
10	Mobile Workshop/Service van
11	Tyre handler
12	460 HP Wheel dozer
13	$8m^3$ Tipping truck

5.6 CALENDAR PROGRAMME OF EXCAVATION

5.6.1 A detailed calendar plan of excavation of mine – take has been drawn from the volume regime. The calendar programme of excavation has been given in the Table 5.3 If the table is studied, then it is seen that the total production life of the mine will be 25 years for Proved Reserve. In the first year of production (P1) the mine will produce 2.0 million tonne of coal by removing a volume of 6.49 Mcum of O. B. The running stripping ratio of the mine has been worked out to 3.24 cum/tonne.

In the second year of production (P2) of the mine, the quarry will produce 4 MT of coal and the corresponding overburden removal including interburden between seams will be 9.92 million cum. The resultant stripping ratio i.e. current ratio for P2 works out to 2.48 cum/te

The opencast mine will reach its target of production in the 3rd production year. In this year, the mine will produce 6.0 MT of coal by removing 14.87 Million Cum of overburden. The running stripping ratio in 3rd year has been estimated to be 2.48 cum/te.

From 4th year onwards upto 24th year of production life which is last year upto proved reserve, the mine will continue to produce at the rate of 6.0 million tonnes of coal at varying volume of overburden per annum as can be seen from the table. The varying running stripping ratios have also been depicted in the same table.

Apart from the running stripping ratio the calendar programme of excavation also shows the average stripping ratio on the basis of cumulative coal and O.B.

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Initially there will be two Constructions years, starting from the date of granting mining lease. Infrastructure like access road, power line, sub-station, stores, Workshop, CHP, Mine Office, Belt Conveyor system, RLS, Loading Bulb and railway line will be constructed during the period.

The mine will have 25 years of life for proved reserve excluding 2 years of construction period for Proved Reserve.

5.6.2 CONFIGURATION OF MAJOR EQUIPMENTS.

On the basis of calendar programme of excavation, the various equipments have been proposed for deployment for both coal production and overburden removal. The population of various heavy earth moving machineries has been arrived at on the basis of its annual productivity and the quantum of material to be handled by each equipment. Table 5.7 shows the annual productivity of various excavators.

Table 5.7

Sl No.	Particulars	Materials to be removed	Annual Productivity (M.Cum)
1	25 Cum Electric Rope Shovel + 200 T Rear Dumper (Elec. Wheel drive)	OB	5.92
2	12 Cum Electric Hydraulic Shovel + 120 T Rear Dumper (Mech. drive)	OB	3.08
3	4.5 Cum Electric Hydraulic Shovel + 50 T Rear Dumper	OB	1.11
4	12 Cum Electric Hydraulic Shovel + 120 T Rear Dumper.	Coal	3.24
5	4.5 Electric Hydraulic Shovel + 50 T Rear Dumper	Coal	1.18

For the transportation of excavated material to various places, such as external spoil dump and internal spoil dump for O.B. spoil (Mobile In pit Crusher, if the same is chosen and coal handling plant for coal trucks of different sizes to match with the excavators of different bucket size, have been proposed. The working strength of the various trucks has been determined on the basis of lead distances to be traversed by

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various trucks during various stages of mining operation and the volume of materials to be transported by each truck.

Table 5.8 shows the annual productivity of various trucks on the basis of lead distances against the excavator combination.

Table 5.8

Sl No	Dumpers	Annual Productivity (M.Cum) for various lead in km						
		1.0	1.5	2.0	2.5	3.0	3.5	4.0
1	200 T rear Dumper + 25 Cum Elect. Rope shovel in O. B.	1.3937	1.2623	1.1308	1.0422	0.9518	0.9207	0.8896
2	120 T rear Dumper + 12 Cum Hyd. Shovel in O.B.	0.5190	0.4405	0.3929	0.3610	0.3282	0.3029	0.2776
3	50 T rear Dumper + 4.5 Cum Hyd. Shovel in O.B.	0.2128	0.1801	0.1603	0.1471	0.1335	0.1232	0.1129
4	120 T rear Dumper + 12 Cum Hyd. Shovel in coal	0.5346	0.4537	0.4047	0.3718	0.3380	0.3120	0.2859
5	50 T rear Dumper + 4.5 Cum Hyd. Shovel in coal	0.2192	0.1855	0.1651	0.1515	0.1375	0.1269	0.1163

5.6.4 CRITERION OF DEPLOYMENT OF MAJOR HEMM

5.6.4.1 In the 1st year of production life, 12 Cum bucket hydraulic shovel is proposed to be deployed for removal of top O.B. in addition, removal of large partings and extraction of thick coal seams. This excavator will work in conjunction with 120 T rear dumper (mechanical drive). In addition, 4.5 Cum Hydraulic Shovel is suggested for deployment for removal of thin partings and coal seams.

From 2nd year onwards, 25 M^3 Electric Rope Shovel will be deployed for the removal of top overburden alongwith 200 T Rear Discharge Dumper (Electric Wheel Drive). 12 M3 Hydraulic Shovel will assist the rope shovel as and when required. In the pursuit of

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proper utilization of all excavators, it is suggested that the spare capacity of the hydraulic excavators irrespective of its sizes and place of deployment, will be utilized during mining operation, either for coal winning or for removal of overburden. This principle will be followed till the end of the project. Upto the 5th year, number of 4.5 M^3 hyd. shovel is 3, but from 6th year onwards the requirement of 4.5 M^3 hydraulic shovels for thin partings and coal seams gets reduced. The balance capacity of these shovels will be utilized by deployment in higher (15 m) benches.

5.6.4.2 REAR DUMPERS

Following combination of dumpers has been planned:

Table 5.9

Type of Material	Bench height	Type of shovel	Type of dumper
Top OB	15 m	25 M^3 ERS	200 T Elect. Wheel Drive
OB + Coal	15 m	12 M^3 HS	120 T Mechanical Drive
OB + Coal	8 m	4.5 M^3	50 T Mechanical Drive

Requirement of equipment population during different years of production in terms of the programmed excavation is shown later. ROM coal will be dumped into the receiving hoppers of the CHP and after 2 stages crushing to –50 mm will be loaded to feeder to belt conveyors.

For the initial 6 years, overburden, which will be excavated, will be dumped only in the external dump. From the 7th year onwards, internal dumping will commence in the decoaled zone in Sector A. In fact, internal dumping will commence in decoaled zone in Sector A, towards the end of the 6th year.

Requirement of dumpers year wise for both overburden and coal will depend on long lead of the place of unloading and has been calculated as such for each production year.

5.6.4.3 RBH DRILLS

Following combination has been envisaged.

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Table 5.10

Type of Material	Bench height	Type of shovel	Type of drill
Top OB	15 m	25 M^3 ERS	250 mm
OB + Coal	15 m	12 M^3 HS	250 mm
OB + Coal	8 m	4.5 M^3	160 m

Strength of drills has been estimated on the basis of the workload and the ratio of volume of material per meter of drilling and is shown later.

5.6.4.4 DOZERS

Following combination has been envisaged:

Table 5.11

Type of Material	Bench height	Type of shovel	Type of dozers
Top OB	15 m	25 M^3 ERS	600 HP
OB + Coal	15 m	12 M^3 HS	600 HP
OB + Coal	8 m	4.5 M^3	410 HP

600 HP dozers will also be employed in the OB dump yard
Requirement of Major HEMM has been given in the Table no – 5.12

5.7 Requirement of the land for the Project:

654 Ha of land inside the block boundary and 100 Ha of land outside the block boundary proposed for the project would be utilized for different purposes to carry out the Project for operation as stated in Table 5.13.

Table 5.13
Break-up of land of proposed area

Sl. No.	Activity	Total	Forest land (Ha)	Non Forest land (Ha)
1.	Excavation area (Phase I)	470.18	13.31	456.87
2.	External OB Dump area (Outside the block boundary)	100.00	-	100.00
3.	Safety zone and Infrastructure	27.06		27.06
4.	Coal bearing area (Unexplored)	156.76		156.76
	Total	754	13.31	740.69

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Table 5.12
Requirement of Heavy Earth Moving Equipments

Sl No	Items	Capacity	Population
1	Elec. Rope Shovel	25 Cum Bucket	4 Nos
2	Elec. Hydraulic Shovel	12 Cum Bucket	3 Nos
3	Elec. Hydraulic Shovel	4.5 Cum Bucket	3 Nos
4	Rear Dumper(Elec. Wheel)	200 T	26 Nos
5	Rear Dumper(Mechanical)	120 T	30 Nos
6	Rear Dumper(Mechanical)	50 T	23 Nos
7	RBH Drill	250 mm diameter	8 Nos
8	RBH Drill	160 mm diameter	6 Nos
9	Dozer (Crawler)	600 HP	7 Nos
10	Dozer (Crawler)	410 HP	3 Nos
11	Motor Grader	285 HP	3 Nos
12	Water Sprinkler	28 KL	3 Nos
13	Mobile Crane	100 T	1 Nos
		60 T	1 Nos
		18 T	1 Nos
14	Vibratory Compactor	25 T	1 Nos

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Chapter – VI
DRILLING & BLASTING

Following guiding principles have been incorporated in designing drilling and blasting parameters:

- If the burden is less, there will be venting of explosive gases with a loss of efficiency and generation of fly rock. More burden results in back break and poor fragmentation.
- Too close spacing causes crushing and crater forming between holes, boulders in burden area and excessive toes. Too wide spacing results in inadequate fracturing between holes, accompanied by bumps on the face and toe problems between holes.
- Fragmentation will depend on proper explosive energy input at strategic locations within rock mass and its proper time of release.

1. Sub – drill depth may be 0.2 times the distance between adjacent holes. Stemming depth will be 0.7 to 1.0 times the burden.
2. Bottom priming will be done with detonating – cord down the hole with cap sensitive explosives in cast boosters distributed along the column.
3. Delay interval will be optimized during trial blasting. We may follow Langefore, 2 – 5 milliseconds per meter of burden.
4. Air deck blasting will be tried.
5. Pit blasting engineer will optimize powder factor, watch out for quantity of over size and secondary blasting, improve utilization of shovel and reduce damage to bucket teeth.
6. SMS/SME will be used. In the support plant, facilities for storage of raw materials, preparation of intermediaries, utilities, quality control setup, and maintenance facility for the pump truck will be provided. The explosive manufacturer will erect this setup after obtaining necessary permissions from CCOE, Chief Inspector of Factories, State Pollution Board and DGMS. Pump truck will carry all chemical ingredients required for formation of explosives for separate compartments, facility for blending ingredients. Booster required will

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be a 50 gm cast booster. Rate of charging will be 200 – 300 kg/ min. Density will be varied to suit strata conditions.

7. Only a small magazine of 5 tonne capacity will be sufficient to store cast boosters, detonating fuse, detonators etc. Only one explosive van will be sufficient.

8. Magazine will be constructed as per the provision of Indian Explosive Rules 1983. Application for the grant of license in Form 22 to possess explosive for use will be submitted to CCOE. This will be accompanied by plans, drawn to scale, of the proposed premises and of the site on which magazine is to be located. Safety distances in terms of Form 17 will be ensured. Magazine will be a Mode "A" magazine of permanent construction. Watch towers, validated security system, magazine guards with bullet proof jackets will be provided.

9. Shots will be fired from a strong enclosure provided with a visible closed window. DGMS circulars will be followed. Blasting will be done in daylight. Danger zone of 500 mt from the site of blasting will be demarcated.

Site-specific suggestion:

Shovel size	Bench height (mt)	Diameter of hole (mm)	Burden (mt)	Spacing (mt)	Max charge/delay (kg)	Type of sequence of detonation
25 m^3 & 12 m^3	15	250	5 – 6	6 – 9	750	Electric short delay
6 m^3	8	160	5 – 6	6 – 9	750	Electric short delay

It is aimed to have nil toe, good fragmentation and throw of about 7 mt.

Avarage annual O.B removal= 26.76 million m^3 at 6 million tonne per year coal production Weekly O.B removal = 5, 10,000 m^3
Weekly Explosive required = 204 tonnes at 2.5 m^3/Kg
Monthly O.B removal = 22, 23,000 m^3
Monthly Explosive required = 892 tonnes
Avarage annual Coal production = 6 million tonne
Weekly Coal production = 1, 20, 000 tonnes
Weekly Explosive required = 20 tonnes at 6 tonnes/kg
Monthly Coal Production = 500000 tonnes
Monthly Explosive required = 83 tonnes

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Chapter – VII
MINE DRAINAGE

7.1 SURFACE DRAINAGE

7.1.1 TOPOGRAPHY

The block shows a flat topography and is dissected by number of seasonal streams. The ground, in general, slopes towards south and west. The elevation varies from 432 m to 459 m with reference to Mean Sea Level within the block.

7.1.2 EXISTING SURFACE DRAINAGE

Surface drainage is controlled by Basaria Nala in the East and Baldeori Nala in the South Central Part of the block. All the nalas are seasonal, but during rainy season June to October, they discharge their load into Barki River, which flows on the west of the block. The average rainfall in the region is about 1181.52 mm of which 69% precipitation is during the rainy season. The nearest rain gauging station is at Barka Gaon block office, where daily rainfall is recorded. From the records available at the block office from 1979 to 2004, it may be observed that the maximum annual rainfall of 2037.50 mm was recorded in the year 1994 and the minimum was 656.20 mm in the year 2002. In the monsoon period maximum rainfall observed was 820.30 mm in August 1994. In non-monsoon period (November to May), the maximum rainfall recorded was 132.20 mm in March '88. Average number of rainy days is around 75.

7.1.3 GARLAND DRAIN

Proper garland drains shall be made before every monsoon at the periphery of active edge of quarry and around dumps to prevent the surface rainwater to enter the quarry.

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7.2 MINE WATER PUMPING

Mine working shall be planned in such a way that working faces and haul road shall remain dry as far as possible. Suitable gradient along quarry

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floor and benches shall be provided to facilitate self- drainage of water to lowest level. Water accumulated in the sump shall be directly pumped out of the mine to drain away to nalas.

Calculation for Sump capacity: -

Year	Voide area (ha)	Total in flow (cum)	Mine flow (cum)	Seepage (cum)	Sump capacity (cum)
1	2.8	36400	18200	3640	21840
3	8.2	106600	53300	10660	63960
5	173	2249000	1124500	224900	1349400
10	250	3250000	1625000	32500	1950000

Calculation for pumping load: -

Year	Total water for pumping (cum)	Pumping rate (cum per hour)	Pump	
			Capacity (cum per hour)	Quantity (nos.)
1	54600	546	200	3
3	117260	1175	200	6
5	2473900	24739	1000	24
10	3575000	35750	1000	35

I **Provision of pumps**

Assuming 20 hrs of pumping and 6 days to pump out total water, the required pumping is being described below.

- **Initial stage of mine**

Main pump –During the initial stage of mine operation, when the depth of the mine shall be low and gradually increases, low head pumps suitable for 50 m to 100m depth shall be provided as given below:-

a. 540 cum per hr capacity; 50 m head - 4 nos.

b. 540 cum per hr capacity; 80 m head - 4 nos.

c. 540 cum per hr capacity; 100 m head - 4 nos.

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- **Ultimate stage of mine**

Main pump - To meet the pumping rate requirement the following pumps complete with 6.6 KV electrical and accessories has been selected.

a. 540 cum per hr capacity, 150 m head - 3 nos.

b. 540 cum per hr capacity, 250 m head - 4 nos.

Face Pumps -

Eight (8) face pumps have been provided to pump out water accumulated at quarry benches for discharge to main sump. The capacity shall be 50 cum per hr 45 m head with electricals 15 KV motor.

Slurry pump -

Six (6) nos. of slurry pumps have also been provided to pump out slurry accumulated at working faces of capacity 250 cum per hr, 45 m head with 75 KV motor.

Diesel Pump -

Two (2) nos. of 80 m head, 300 cum per hr capacity with all accessories have been provided for operation during power breakdown and emergency.

7. 6 Phasing of the pump

SL. NO.	DESCRIPTION	TOTAL QTY	1ST YEAR	2ND YEAR	3RD YEAR	4TH YEAR	5TH YEAR	10TH YEAR
			QTY	QTY	QTY	QTY	QTY	QTY
1	540 CUM/HR X 250 M HEAD X 385 KW TEFC - 6.6 KV MOTOR & STARTER	4					3	
2	540 CUM/HR X 100 / 150 M HEAD X 120 KW TEFC - 6.6 KV MOTOR & STARTER	7		1	2	2	2	

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3	540 CUM/HR X 80 M HEAD X 70 KW TEFC - 440 KV MOTOR & STARTER	2		1	1			
4	540 CUM/HR X. 50 M HEAD X 70 KW TEFC - 440 KV MOTOR & STARTER	2		2			o	
5	300 CUM/HR X 80 M HEAD WITH ALL ACCESSORIES (DIESEL DRIVEN)	2	1	1				
6	250 CUM/HR X 45 M HEAD X 75 KW TEFC-440 V MOTOR & STARTER (SLURRY PUMP)	6		2	2	2		
7	50 CUM/HR X 45 M HEAD X 15 KW TEFC-440 V MOTOR & STARTER (FACE PUMP)	8		4	4			
8	50 CUM/HR X 16 M HEAD X 4.5 KW TEFC-440 V MOTOR & STARTER (PRIMINIG PUMP)	3					3	
9	STEEL PIPE OF INTERNAL DIAMETER 300 MM (LENGTH IN KM)	3			1	1	1	
10	STEEL PIPE OF INTERNAL DIAMETER 250 MM (LENGTH IN KM)	2		1	1			
11	STEEL PIPE OF INTERNAL DIAMETER 200 MM (LENGTH IN KM)	2		1	1			
12	HDFC PIPE OF INTERNAL DIAMETER 250 MM (LENGTH IN KM)	1	1					
13	VALVES, FITTING,BENDS, ARMOURED SUCTION & DELIVERY HOUSES ETC.	L.S.		L.S.	L.S.	L.S.	L.S.	L.S

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Chapter – VIII
DISPOSAL OF WASTE

8.0 Proposed quarry is be opened in Barakar formation, which consists of alluvial soil and Barakar rocks like Sand Stone and Shale. The thickness of the soil / weathered mantle generally varies from 6 to 16 m. It is commonly dirty white to reddish brown in color. Carbonaceous Shale generally constitutes bulk of in – seam burden.

8.1 The over burden / waste stripping operation will commence first with top soil removal. In this minetake, top soil has been considered to be of 4m depth only. This 4m top soil will be stripped and proposed to be dumped in the temporary top soil dump over indicated reserve area for using it for reclamation purposes in phases, as a particular dump reaches its maximum dump height. The volume of top soil has been estimated to be 18.81 M.Cum (Solid) i.e. 24.45 M. Cum (Loose). The location of topsoil dump has been shown in the Final Dump Plan (Drawing No – NTPC/ ACMM/ KRD/ 13). In the 1st year, top soil will be dumped over the embankments against Basaria Nala and plantation will be done along the embankment. Similarly, topsoil will be used in plantations around the boundary of the leasehold, along the access road and surrounding the area to the north within the block for infrastructure After this, topsoil will be spread over the external dump, after the same reaches its maximum height and the external dump will be afforested. Similarly when Sector A dump reaches maximum height topsoil will be spread and afforestation will be done. Similar procedure will be followed for topsoil from Sector C and Sector D also. Depending on convenience, and availability of area or spreading topsoil as final operation, the same will be temporarily stacked in the area over the indicated reserve wherefrom it will be reclaimed and spread at the final scheduled place as above. A separate set of backhoe, a 320 HP dozer and four 10 T dumpers are provided for handling and rehandling of topsoil. In this plan of operation storage time of topsoil is being reduced and plantation measures are being facilitated.

8.2 Quarry will be sub – divided in 4 different sectors. Sector A is the first sector starting from the mine entry, spanning 6 years. The overburden removed from sector A amounting to 89.21 MCum (solid), 115.97 MCum (Loose) including toposoil will be mostly accommodated in the external OB dump, to the north of the proposed

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the block boundary in non coal bearing and non forest land, over an area of about 100 Ha. The height of the overburden dump will be 120 m. The study regarding the maximum height of external dump can be done by a reputed institute. If we restrict the external dump height to 90 m, 33 Ha of Forest area will be required to accommodate the dump. It can accommodate 109.37 MM^3. Balance 3.87 MM^3 OB (Hard strata) will be dumped in the internal dump of Sector A. In the north of the property, the Basaria nala has to be diverted for accommodation of OB in non coal bearing and non forest area. Although tentative diversion of Basaria nala has been shown on the Surface Master Plan, the actual route diversion of Basaria nala will be proposed after detailed study of area drainage pattern.

After sector A is completed, work will start in Sector B, between 7th and 12th years Two OB roads will carry hard OB for internal dumping in Sector A. Total OB from Sector B is 165.94 MCum (Soild) and 215.7 MM^3 loose. When internal dumping comes upto the ground level, flush against the sides of excavation dumping will be continued for making a super dump over the area for a maximum height of 90 mt. This modality will be followed in the subsequent internal dumps in Sector B and Sector C also.

After sector B is extracted, work will start in Sector C. Two OB roads will carry OB for internal dumping. Total quantity from Sector C is 191.52 Mcum (Soild) i.e 248.98 MM^3 loose

After sector C is extracted work will commence in Sector D, the last sector, two OB roads will carry OB for internal dumping in sector C. Total Quantity of Sector D is 174.55 MCum (soild) i.e 226.92 MM^3 loose.

8.3 Disposal of Fly Ash

Due to paucity of non coal and non forest land for making external dump for OB, the mine has been designed to maximize internal dumping of overburden. The stripping ratio is high at 4.37 OB: 1 Coal. To maximize internal dumping of OB, superdump above the ground level has been designed. In Sector A, Sector B and Sector C, the internal dumps inclusive of the super dumps above ground level over the surface area of these three sectors will be utilized for accommodating OB from all the 4 sectors. The void of Sector D will not be completely filled up by internal dumping This will be filled up, when the mine proceeds seamlessly in the Phase II of the

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indicated reserve, by OB brought from the later. Thus, this will not be available for any other purpose than OB dumping. However, in the Phase II, which is beyond the present mine plan exercise, there will be residual void left which will not be more than 35 m in depth, while winding up. At the end of mining operation, the possibility of dumping of fly ash in the void may be studied.

The schedule of disposal of waste is shown in Table 8.1

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Table 8.1
Scheme of Disposal of Waste

Sl No.	Year	Top Soil (Loose)	Hard Strata (Loose)	External Dump (Topsoil)	Location of Topsoil dump	Ext. Dump (Hard Strata)		Internal Dump (Hard Strata)		Total Quantity (loose)
						Qty	Location	Qty	Location	
1	1	0.20	8.24	0.20	Surface on the indicated reserves	8.24	To the north of incrop (no-coal area, non forest area)			8.44
2	2	0.30	12.60	0.30		12.60	Do			12.90
3	3-4	0.92	37.74	0.92		37.74	Do			38.66
4	5	0.50	20.60	0.50		20.60	Do			21.10
5	6	0.81	34.08	0.81		30.21	Do	3.87	Sector A	34.89
6	7-10	3.24	136.32	3.24		-		136.32	Do	139.56
7	11	0.83	35.52	0.83		-		35.52	Do	36.35
8	12	0.93	38.91	0.93		-		38.91	SectorA/ B	39.84
9	13-16	3.72	155.64	3.72		-		155.64	Sector B	159.36
10	17	1.02	42.85	1.02		-		42.85	Do	43.87
11	18	1.07	44.66	1.07		-		44.66	Sector B/C	45.73
12	19-20	2.14	89.32	2.14		-		89.32	Sector C	91.46
13	21	0.82	34.20	0.82		-		34.20	Do	35.02
14	22-23	1.68	71.46	1.68		-		71.46	Do	73.14
15	24	0.46	19.40	0.46		-		19.40	Do	19.86
16	25	0.17	7.24	0.17		-		7.24	Sector C/D	7.41
Total	49	18.81	788.78	18.81		109.39		679.39		807.59

All Quantities in MCum

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Chapter – IX

USE OF MINERAL

9.0 USE OF MINERAL:

The coal project has been designed for target production of 6 Million Tonnes per annum, majority of ROM Coal bearing E to F Grade. From a study of borehole data, it is estimated that the average ash during the first nine years of coal production, will be about 34%. Deterioration due to mining will be another about 4%. Kerendari 'A' Block is linked to Barh Stage II of NTPC Ltd.

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Chapter – X

MINERAL PROCESSING

10.0 MINERAL PROCESSING:

No float and sink test and study on coal petrology has been conducted, even on borehole samples. After the washability characteristics of the coals of different coal seams are determined, at a later date, the option of constructing a central coal washing plant beside the rail loading bulk will be examined and suitable flow sheet will be designed. Coal from this mine is linked to Barh Stage II of NTPC Ltd.

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SURFACE TRANSPORT

11.0 SURFACE TRANSPORT:

Overburden will be transported in 200T, 120 T and 50 T dumpers, either to the internal dump or the external dump, topsoil being separately transported for stacking at a separate site.

Coal will be transported by 120 T and 50 T dumpers and fed to the hopper of C.H.P and crushed to -50 mm through double stage crushing. Crushed coal will be fed through feeder to series of 1600m belt conveyors for onward transmission to the rail loading station for loading through RLS.

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Chapter XII

OTHER FACILITIES

12.1 SITE SERVICES

The site infrastructure to be provided by NTPC will include roads, workshops, stores, power supply, pumping, surface water management, potable and industrial water supplies, offices, communication and other amenities required for the work force.The project site does not belong to a developed area and the local community will be included in the development process as per NTPC policy. A modern large mine will be constructed and operated at a remote location and this is expected to bring in improvement of life of the community.

12.2 POWER SUPPLY

12.2.1 REQUIREMENT

The proposed mining blocks are virgin. No basic infrastructure like power; Railway and water supply etc are presently available. Based on rated capacity of 6.0 MTY ROM Coal for Kerendari "A" Block and considering electric power consumption in HEMM, coal crushing, conveying, loading, pumping, workshop etc aggregate requirement of power shall be in the range of about 20 MVA at high voltage, preferably 132KV.

12.2.2 SOURCE

The mining block falls under D. V. C command area. The nearest source is D.V.C sub – station at Hazaribagh located at the distance of about 45 KM. Power can be drawn by erecting 132 KV over head line on Tower. In case power is made available at 132KV to Pakri-Barwadih coal Block; then it can be further extended by 10 KM up to Kerandari coal block

NTPC Super thermal power station is proposed to be commissioned by 2009-10 at Tandwa is located about 15 KM from proposed mining block. An alternative way may be to draw power from NTPC's proposed power plant at 132 KV.

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12.2.3 DISTRIBUTION

The 132/33 KV Sub-Station for the project will feed 33 KV switching station to feed power to respective sub-station for HEMM, CHP, Pumps, Workshop, Colony. Shovels and drills will be fed from mobile substation. The rest will be fed from fixed substation. From mobile substation, trailing cable will feed power to Shovel and Drill at 6.6 KV. Power for CHP, Conveyors, Pumps, Workshop and Colony will be fed by overhead line.

Restricted earthing has been envisaged for electrical system, which will also be protected from lightning and high voltage Surge.

Substations and switching stations will be equipped with safety features and fire fighting arrangements. Capacitor banks will be provided to improve the system power factor to 0.95 or better.

12.3 WORKSHOP

12.3.1 EXCAVATION WORKSHOP

The excavation workshop will have repair bay for dumpers, dozers, pay loaders, washing bay, filling station, stores, parking space, engine repair room, auto electrician room, maintenance bays, office etc.

Inspection, washing, daily maintenance, lubrication, weekly/periodic maintenance, modular replacement, minor repair of assemblies/sub – assemblies will be done under preventive maintenance and scheduled maintenance respectively. Annual plan of major overhaul will be drawn up. Mobile repair/maintenance van will also be provided.

12.3.2 E& M WORKSHOP

E & M workshop will undertake the following activities:

- Minor repair, medium repair and replacement of components, assemblies and sub-assemblies of CHP equipment, pumps and other electrical and mechanical equipment.
- Daily washing of LMVs and washing of equipment assemblies and sub-assemblies as and when required.
- Periodical lubrication.

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- Repairs and replacement of components / assemblies for LMV.
- Minor and medium repair of switchgears, motors, self-starters and other electrical equipment.
- Battery charging facilities and re-conditioning of batteries.

A combined complex has been envisaged for HEMM, E&M workshop and stores.

12.4 ROAD

From the state highway Hazaribagh to Tandwa via Barkagaon, the PWD road for Kerendari has taken off. This will extended to be infrastructure complex of the mine.

Feeder roads to the surrounding villages, which will not be disturbed, will be strengthened.

12.5 WATER SUPPLY

There will be enough water being pumped from the mine, which will cater to the requirement of industrial water for dust suppression, washing and maintaining green zone. Drinking water will be supplied from bore wells and stored to overhead tanks and distributed through pipelines to different facilities to the area for drinking and domestic purpose. Tube wells will be dug for the surrounding villages for water supply, as water table is expected to go down with mining. Some discharge pipes of mine water will feed into the village ponds to recharge the water tables.

12.6 COAL HANDLING ARRANGEMENTS

Two alternatives have been considered

1. Coal Handling Plant
2. Fully mobile sizing station at face.

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1. Coal Handling Plant

1.1 <u>General</u>: - Coal handling plant will include receiving ROM coal, crushing it to desired size of -50 mm, storage and reclamation through ground bunker for onward transportation through cross country conveyor up to loader point.

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Rapid load out system with the arrangement of rapid in motion loading shall be provided as per railway norms.

C.H.P. will have the following functional units: -

a) Receiving and crushing

b) Storage and reclamation

c) Long distance conveyor

d) Loading and dispatch

1.2 **Receiving and crushing:** - Coal from face shall be transported by dumpers up to receiving pit for crushing through primary crusher of 2000TPH capacity to crush ROM coal to -- 200 mm size. Crushed coal will be collected by conveyor and shall be fed to secondary crusher for further crushing to –50 mm size.

1.3 **Storage and reclamation:** - Crushed coal from the crusher house will be fed to two circuits of elevating conveyor, 1600mm, for onward transportation to ground bunker. Coal will be reclaimed by a plough feeder, fitted at the bottom of the bunker opening. The Feeder will discharge coal on a reclaim conveyor. The reclaim conveyor will feed coal to long distance conveyors.

1.4 **Long Distance Conveyor:** - There shall be two circuits of long distance conveyor to carry crushed coal up to loading point.

1.5 **Load and dispatch** :- Provision of high-speed rake loading in-motion system at the rate 5500 TPH shall be made. Two number of silos, each of 4000 Te capacity on twin rail tracks shall be provided for simultaneous loading. Silo will be provided with pre weigh hopper and telescopic swing chutes. The movement of train without detaching the engine with provision of creep control loco shall be made. Provision of in-motion electronic weighbridge for weighing both empty and loaded wagons shall be made.

1.6 **Auxiliary facility:** - The electronic belt weigher will be provided for weighment of coal and its continuous recording for all coal passing through C.H.P. Dust suppression and dust extraction unit shall be installed to control dust in the working zone of the C.H.P. area Hydrant type and portable type fire extinguisher shall be installed to arrest accidental fire.

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2. Mobile sizing station

In view of flexibility and consistent efficient operation; compact design, modular construction and low maintenance; fully mobile sizing station may be considered. It may be positioned between mine face and overland conveyor and equipped with twin shaft primary sizer for crushing to -200mm. The hopper fitted in the sizing station shall be fed directly from face with run-of-mine coal by Shovel. Coal is then drawn up by apron feeder to discharge into sizer; & reducing it to product size, suitable for long distance conveyor haulage. Discharge conveyor of the sizer will discharge coal to long distance conveyor. The sizer station and mining shovel move repeatedly back and forth along the mine face until the entire coal has been excavated.

12.7 MANPOWER

While planning the manpower, it is to be remembered that there is no existing Industrial scenario in this remote neighborhood and the Mine has to be self reliant on operational, maintenance and service activities. Implementation of this project will generate employment potential of about 1230 persons which will improve the prosperity of the area.

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Chapter – XIII

ENVIRONMENTAL MANAGEMENT PLAN

13.1 GENERAL

To maintain ecological balance and to check harmful effects of coal mining at Kerendari A coal block, environmental control measures have been integrated into the process of mine planning.

The measures envisaged in the report are to be regarded as guidelines and depending upon the continuing advice to be taken from experts of relevant fields, the suggested schemes are to be detailed and if necessary will be modified from time to time to meet statutory requirements. In this chapter all technical, biological and socio economic control measures have been envisaged and these pertained to:

- Air Pollution Control
- Water Management and Water Pollution Control
- Noise Control
- Control of vibration, noise and fly rock generation due to blasting
- Revegetation / plantation
- Land use Planning
- Socio-economic measures

13 (a) EXISTING SCENRIO/BASELINE INFORMATION

13 (a) (i) LAND USE PATTERN

Kerandari block comprises both of forest and non-forest land. The lease area constitutes 1615.38 acres of land, out of which 32.87 acres is Forest area and the rest 1582.51 acres is non forest land. The forest area covers 2.03% of the total area of the mine lease. The entire area of the block is covered by soil/alluvium and necessary steps will be taken for removal of topsoil separately while quarrying, so that the same could be used during land reclamation. There are 7 villages in the core zone of the mine lease area that will need rehabilitation and resettlement. The rehabilitation will be done as per requirement and in accordance with the statutory norms

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13 (a) (ii) WATER REGIME

Core zone

The Kerandari block is drained by small seasonal nalas draining out storm water to Hendraj nadi flowing southeast of the block. There are couple of small water bodies (ponds) in the block that holds the rainwater for two three months after the monsoon. All of them get dry during the summer months.

Buffer zone

The area forms a part of Damodar river basin. The entire area may be broadly divided in two watersheds namely Barki nadi in the western portions and Ghaghra nadi watershed in the eastern portion. The Barki nadi flows southerly and originates from the hilly terrain in the north. This river has many tributaries, important being Chundru flowing easterly and Garua nadi flowing westerly. The Ghaghra watershed has three important branches namely Hendraj nadi, Harhori nadi and Lathorva nala. This watershed has southeasterly slope and it occupies central portion of the area. The drainage of the area represents dendritic to sub-dendritic pattern. The main rivers of area are perennial and they overflow their bank during monsoon period.

13 (a) (iii) FLORA AND FAUNA

Flora

In the block, there are 17 tree species and 18 shrub species, which belong to 12 and 13 families respectively, as recorded in phytosocological study of vegetation. The important trees are Shal, Asan, Bija, Mahua, Kendu, Amla, Mango, Jamun, Bargat etc. The shrubs are mainly Putus, Karonda. Different types of grasses and climbers are also present.

Fauna

There is rare wildlife observed in the mine lease area due to small and thin forest area. However, some wolves, foxes, rabbits etc. are occasionally seen in the block.

13 (a) (iv) CLIMATE AND METEOROLOGY

The year may broadly be divided into four seasons:

- Winter season : December to February
- Pre-monsoon season : March to May

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- Monsoon season : June to September
- Post-monsoon season : October to November

Hourly micro-meteorological data was recorded at the site for a period of 3 months comprising one full winter season from December 2006 to February 2007. Brief summary of the recorded data is given in Table.13.1

TABLE 13.1

SUMMARY OF MICRO-METEOROLOGICAL DATA

Particulars	Maximum	Minimum	Average
Temperature (°C)	31.90	5.40	17.87
Relative humidity	94.00	24.10	55.54
Wind speed (km/hr)	22.90	0.00	4.04
Predominant wind direction	WNW (21.06% of readings)		

The rainfall data for the period from 1979 to 2004 as recorded in Barkagaon raingauge station has been sumarised at Table 13.2

TABLE 13.2

SUMMARIZED DATA OF RAINFALL (1979 – 2004) AS RECORDED AT RAINGAUGING STATION OF BARKAGAON BLOCK OFFICE (In mm)

Sl No.	Particulars	Max. Rainfall in 1 year	Min. Rainfall in 1 year	Mean
1	Annual rainfall	2037.50 (1994)	856.20 (202)	1181.52
2	Monthly rainfall a. Monsoon period (June – Oct) b. Non monsoon period	820.30 132.20	5.60 Nil	217.81 16.46
3	No. of rainy days	99 (1994)	43 (2002)	75
4	Daily rainfall a. Monsoon period (June – Oct) b. Non monsoon period	201.60 (05.07.86) 60.00 (02.03.82)		- -

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WIND SPEED

Wind speed plays a dominant role in dispersion of air pollutants. The wind speeds were found in the range between 0.0 and 22.90 KMPH, with the average value of 4.04 KMPH. Winds were found usually high

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WIND DIRECTION AND WINDROSE DIAGRAM

This is also one of the important parameters in the dispersion of air pollutants since it determines the direction of transport of pollutants. West North-Western (WNW) winds are the most frequent accounting for more than 21.06%. Frequency of occurrence of winds from different wind directions under different wind speed ranges, also called wind rose pattern, have been computed from the hourly average values recorded continuously during the three months period and presented in Table 13.2

TABLE 13.3

WIND FREQUENCY TABLE OF DATA MONITORED AT SITE

(01/12/2006 TO 28/02/2007)

Direction from	Percent frequency (wind speed in km/hr)							
	Calm	1.8-5	5-10	10-15	15-20	>20	Total	Ex. Calm
	DAY TIME (06 hrs to 17 hrs)							
E	1.95	0.74	0.00	0.00	0.00	0.00	2.69	0.74
ENE	2.41	2.23	0.65	0.56	0.19	0.00	6.04	3.63
NE	1.76	2.51	0.56	0.46	0.28	0.00	5.57	3.81
NNE	2.41	0.74	0.19	0.00	0.00	0.00	3.34	0.93
N	2.32	0.28	0.09	0.09	0.00	0.00	2.78	0.46
NNW	2.14	2.04	1.02	0.74	0.28	0.00	6.22	4.08
NW	2.23	2.79	2.88	2.69	1.02	0.09	11.70	9.47
WNW	2.23	8.82	7.80	10.40	5.66	0.65	35.56	33.33
W	1.49	4.46	4.64	3.62	1.11	0.09	15.41	13.92
WSW	1.39	0.37	0.00	0.00	0.00	0.00	1.76	0.37
SW	1.21	0.28	0.19	0.00	0.00	0.00	1.68	0.47
SSW	1.49	0.28	0.09	0.00	0.00	0.00	1.86	0.37
S	0.46	0.28	0.00	0.00	0.00	0.00	0.74	0.28
SSE	0.74	0.00	0.00	0.00	0.00	0.00	0.74	0.00
SE	1.21	0.46	0.00	0.00	0.00	0.00	1.67	0.46
ESE	1.76	0.46	0.00	0.00	0.00	0.00	2.22	0.46
Total	27.20	26.74	18.11	18.56	8.54	0.83	99.98	72.78
	NIGHT TIME (18 hrs to 06 hrs)							
E	5.03	0.00	0.00	0.00	0.00	0.00	5.03	0.00
ENE	5.77	0.00	0.00	0.00	0.00	0.00	5.77	0.00
NE	4.28	0.00	0.00	0.00	0.00	0.00	4.28	0.00
NNE	3.82	0.09	0.00	0.00	0.00	0.00	3.91	0.09
N	5.12	1.21	0.47	0.00	0.00	0.00	6.80	1.68
NNW	4.47	4.28	2.14	0.09	0.00	0.00	10.98	6.51
NW	4.66	0.09	0.00	0.00	0.00	0.00	4.75	0.09
WNW	4.84	1.12	0.56	0.00	0.00	0.00	6.52	1.68
W	4.19	8.01	3.82	0.09	0.00	0.00	16.11	11.92

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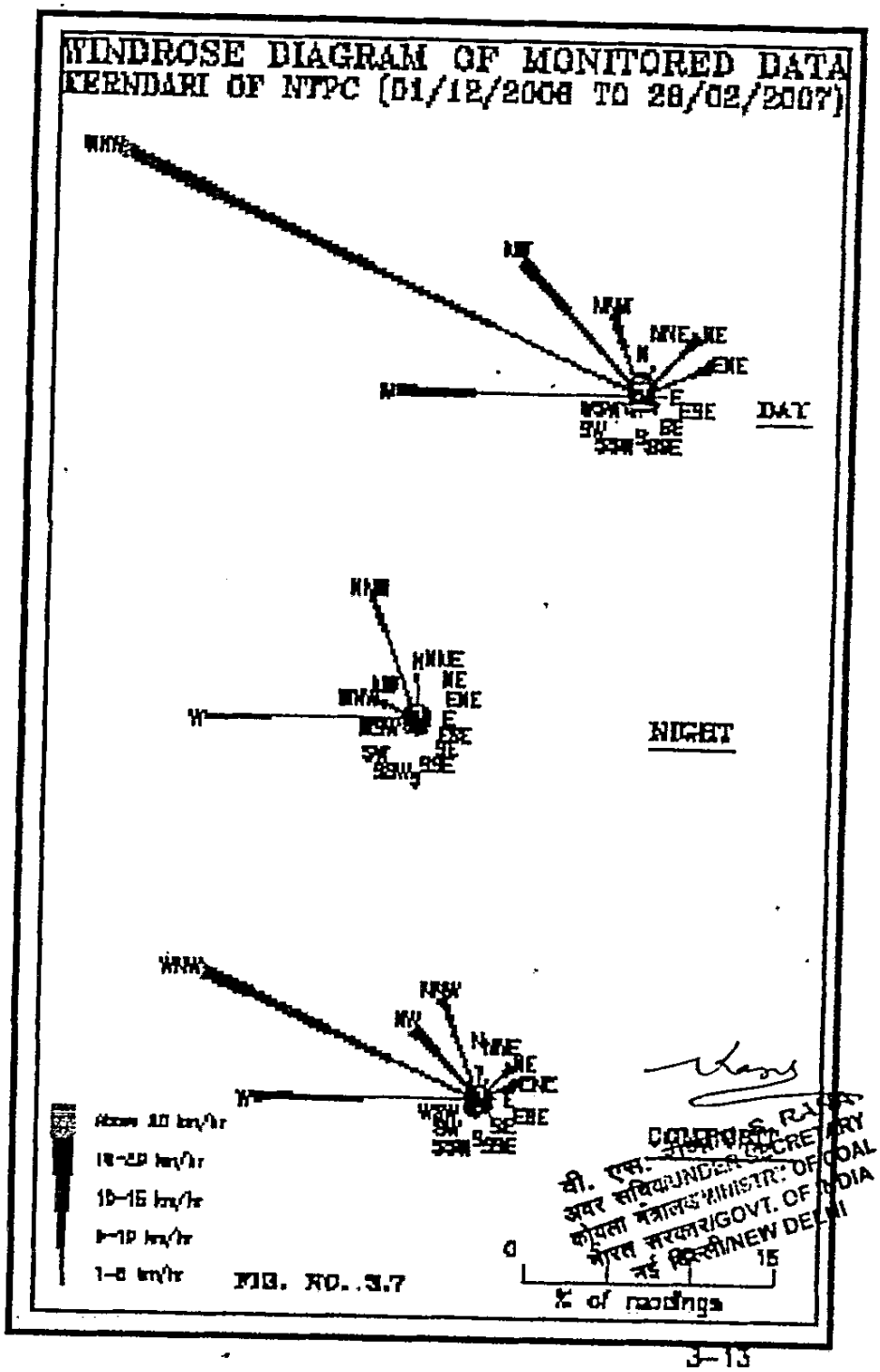
Direction from	Percent frequency (wind speed in km/hr)							
	Calm	1.8-5	5-10	10-15	15-20	>20	Total	Ex. Calm
WSW	4.10	0.09	0.00	0.00	0.00	0.00	4.19	0.09
SW	4.66	0.00	0.00	0.00	0.00	0.00	4.66	0.00
SSW	5.03	0.00	0.00	0.00	0.00	0.00	5.03	0.00
S	5.03	0.00	0.00	0.00	0.00	0.00	5.03	0.00
SSE	4.56	0.09	0.00	0.00	0.00	0.00	4.65	0.09
SE	6.52	0.00	0.09	0.00	0.00	0.00	6.61	0.09
ESE	5.68	0.00	0.00	0.00	0.00	0.00	5.68	0.00
Total	**77.76**	**14.98**	**7.08**	**0.18**	**0.00**	**0.00**	**100.00**	**22.24**
	COMPOSITE (Day + Night)							
E	3.49	0.37	0.00	0.00	0.00	0.00	3.86	0.37
ENE	4.09	1.12	0.33	0.28	0.09	0.00	5.91	1.82
NE	3.02	1.26	0.28	0.23	0.14	0.00	4.93	1.91
NNE	3.11	0.42	0.09	0.00	0.00	0.00	3.62	0.51
N	3.72	0.74	0.28	0.05	0.00	0.00	4.79	1.07
NNW	3.30	3.16	1.58	0.42	0.14	0.00	8.60	5.30
NW	3.44	1.44	1.44	1.35	0.51	0.05	8.23	4.79
WNW	3.53	4.97	4.18	5.21	2.84	0.33	21.06	17.53
W	2.84	6.23	4.23	1.86	0.56	0.05	15.77	12.93
WSW	2.74	0.23	0.00	0.00	0.00	0.00	2.97	0.23
SW	2.93	0.14	0.09	0.00	0.00	0.00	3.16	0.23
SSW	3.25	0.14	0.05	0.00	0.00	0.00	3.44	0.19
S	2.74	0.14	0.00	0.00	0.00	0.00	2.88	0.14
SSE	2.65	0.05	0.00	0.00	0.00	0.00	2.70	0.05
SE	3.86	0.23	0.05	0.00	0.00	0.00	4.14	0.28
ESE	3.72	0.23	0.00	0.00	0.00	0.00	3.95	0.23
Total	**52.43**	**20.87**	**12.60**	**9.40**	**4.28**	**0.43**	**100.01**	**47.58**

Note : Calm is cut off at wind speed <1.8 km/hr as per CPCB

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TEMPERATURE

The maximum and minimum values of temperatures recorded during monitoring periods are 31.90°C and 5.40°C respectively.

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HUMIDITY

The maximum and minimum values of relative humidity measured during sampling period are 94.00% and 24.10% respectively.

13 (a) (v) AIR ENVIRONMENT

To quantify the impact of proposed mining on the ambient air quality, it is necessary to evaluate initially the existing ambient air quality of the core and the buffer zones. The existing air quality in terms of SPM, RPM, SO2, NOx, CO and Pb has been measured through land monitoring.

SAMPLING PERIOD AND STATIONS

In order to establish the baseline status with respect to ambient air quality, four air sampling stations were established in the area, one in core zone and the remaining three in the area surrounding the lease area. The ambient air quality survey was conducted during winter season from 1st December 2006 to 28th February 2007. The sampling locations are given in Table.13.4

TABLE 13.4
LOCATION OF AIR SAMPLING STATIONS

Sl. No.	Location	Location Code	Distance from CA1 (Km)	Direction
1	Lagalpiyadih	CA1	Core Zone	Core Zone
2	Mungawatanr	BA1	1.0 km	SE
3	Tunda	BA2	0.6 km	N
4	Kabed	BA3	0.5 Km	W

SAMPLING SCHEDULE & PARAMETERS

The survey was performed during the 3 months period of winter season, with frequency of twice a week at each site. 24-hour average samples were collected from each station These samples were analysed in laboratory by adopting the methods specified in the National Ambient Air Quality Standards, The following air pollution parameters were monitored during the sampling periods:

1. Respirable Particulate Matter
2. Suspended Particulate Matter
3. Sulphur Dioxide (SO_2)

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4. Oxides of Nitrogen (NOx)

OBSERVATIONS

The observations for air quality made during the winter season of 2006-07 have been presented in Table 13.5

TABLE 13.5
SUMMARY OF AMBIENT AIR QUALITY MONITORING RESULTS

Sl. No.	Location	Grade	24 hourly average concentration ($\mu g/m^3$)			
			RPM	SPM	SO_2	NOx
1	Lagalpiyadih	Max.	57	139	6.8	8.5
		Min.	27	67	4.8	6.7
2	Mungawatanr	Max.	52	129	7.5	8.2
		Min.	27	67	5.5	6.5
3	Tunda	Max.	45	111	6.3	6.9
		Min.	15	35	4.6	4.8
4	Kabed	Max.	62	154	7.7	8.8
		Min.	30	73	5.8	6.9

**The concentration of CO is below 1000 ppm at all locations*

ANALYSIS OF RESULTS

1) SUSPENDED PARTICULATE MATTER (SPM):

The Suspended particulate matter monitored in the area showed the maximum values ranging between 111 to 154 $\mu g/m^3$, the highest being at Kabed Village. These values of SPM are well within the permissible limits for rural and residential areas.

2) RESPIRABLE PARTICULATE MATTER (RPM):

Respirable particulate matter monitored in the area showed the maximum values in the range of 45.0–62 $\mu g/m^3$. The highest value of RPM level of 62$\mu g/m^3$ was observed at Kabed village due to rural activities & vehicular movements. This site is about 1.1km from the mine site in W direction. The RPM concentration in the study area was found to be well within the NAAQ norms prescribed for rural and residential area.

3) SULPHUR DI-OXIDE (SO_2):

The maximum value of Sulphur dioxide in the area from the monitored data was in the range of 6.3 to 7.7 $\mu g/m^3$. This also was recorded at Kabed village. Still the values are much below the permissible limits for rural and residential area as per NAAQS.

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4) OXIDES OF NITROGEN (NOx):

Ambient air quality status monitored for nitrogen oxides in the area were in the range between 6.5 to 8.8µg/m^3. Maximum value was recorded at the time of sampling at Kabed station. The higher values were observed at this location due to vehicular movement and local residential activities. The values of NOx monitored in the study area are well within the limits of NAAQ standards.

5) CARBON MONOXIDE-CO

CO concentration at all the locations was found to be less than 1 ppm.

13 (a) (vi) WATER QUALITY

Water quality monitoring was carried out in order to collect baseline data on existing water quality which can be used to predict the impacts of coal mining at Kerendari A on the water regime.

SURFACE WATER

The ML area is drained by few first order nallahs, which finally drain into Hendraj River flowing in southeast direction. The area has two perennial rivers namely Ghagra, which originate from the hill located north of the block, Barki and Chundru are other two important seasonal tributaries which are fed through ground water during summer season and have low discharge. Besides these, there are a large number of tanks and small reservoirs constructed by making bunds on local streams/ nallah. These tanks and reservoir are the source of surface water to meet the water requirement over the area.

GROUND WATER

Except for central parts of the area formed by Damodar river basin, the larger parts are underlain by compact meta-sedimentary formations of Precambrian period. The groundwater in these compact formations occurs with in the secondary porosity (cracks & joints) in unconfined state. As such only the sandstones of Barakar and Raniganj have primary porosity. The occurrence and movement of groundwater in the area is controlled by prevailing geomorphology. The groundwater over the ML area occurs under unconfined state in shallow aquifer and under confined state in deeper aquifer. The primary porosity of alluvial sediments and weather mantle forms the shallow groundwater repository in the area while the consolidated Barakar Sandstone forms the deeper groundwater repository in the area. During field investigation well in...to has

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been carried out and the water levels were observed. To observe behavior of water table over the year, repeat measurements were made in May 2007. The observed data is given in Table 13.6 The observed water level data indicate that shallow water table persists during post monsoon season. No wells in the area exist to have detailed information of deeper aquifer. The geological report does not report the depth to water table during exploratory period.

TABLE 13.6
LOCATION OF WATER SAMPLING STATIONS

Sl. No.	Location code	Location	Sample code	Type
1	SW1	Hendraj Nadi	SW1	Surface water
2	SW2	Garhi Nadi	SW2	Surface water
3	SW3	Jordag dam	SW3	Surface water
4	SW4	Lajdag dam	SW4	Surface water
5	GW1	Garri kalan	GW1	Ground water
6	GW2	Tandwa	GW36	Ground water
7	GW3	Serandag	GW40	Ground water
8	GW4	Chamgarha	GW12	Ground water
9	GW5	Parpain	GW21	Ground water
10	GW6	Kandaber	GW27	Ground water
11	GW7	Sonbarsa	GW14	Ground water
12	GW8	Pahra	GW4	Ground water
13	GW9	Joka	GW10	Ground water
14	GW10	Kerendari	GW8	Ground water
15	GW11	Dari kalan	GW17	Ground water

TABLE 13.7
SUMMARIZED WATER QUALITY (MAY 2007)

Sl. No.	Location code	TDS, mg/l	pH Value	Chloride as Cl (mg/l)	Sulphate as SO_4, mg/l	Total Hardness ($CaCO_3$) (mg/l)	Fluoride (mg/l)
1.	SW1	244	7.79	8	6	88	0.82
2.	SW2	158	8.19	8	11	144	1.06
3.	SW3	606	8.47	8	4	112	<0.01
4.	SW4	112	7.86	10	9	104	0.77
5.	GW1	372	7.87	38	17	284	0.35
6.	GW2	760	8.11	79	55	452	2.88
7.	GW3	86	7.17	26	6	52	0.49
8.	GW4	426	7.92	16	5	224	0.37
9.	GW5	576	7.83	40	37	312	0.77
10.	GW6	1008	7.59	117	48	448	1.0

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11.	GW7	544	7.83	52	23	300	<0.01
12.	GW8	128	7.40	18	8	136	<0.01
13.	GW9	380	7.78	30	36	200	<0.01
14.	GW10	1330	7.74	167	101	700	<0.01
15.	GW11	984	7.68	95	56	572	<0.01
Drinking water	Desirable	500	6.50 – 8.50	250	200	300	1.0
norms (IS:10500)	Permissible	2000	-	1000	400	600	1.5

On comparison with the Drinking Water Standards the analysis of the water samples shows:

- Colour, odour, taste and turbidity are within desirable limits and unobjectionable.
- pH value varies between 7.17 to 8.47 for the collected samples which is within the desirable range of 6.5 to 8.5.
- Chloride is within desirable limit in all the surface and ground water samples.
- Total hardness exceeds the desirable limit in four ground water samples but is within permissible limit in all water samples except in one ground water sample.
- Dissolved solids are well within the permissible limits in ground water samples as well as in surface water samples except in two ground water samples.
- Copper, manganese, sulphate, nitrate, fluoride and zinc are within desirable limit.
- Cadmium, selenium, arsenic, mercury, lead, hexavalent chromium, aluminium and boron are below the detectable limits.
- From these observations, it can be concluded that the surface as well as ground water are potable after primary treatment at home.

13 (a) (vii) NOISE LEVELS

In order to know the existing noise levels noise monitoring has been carried out at ten locations.

METHOD OF MONITORING

Sound Pressure Level (SPL) measurements were measured at all locations: one reading for every hour was taken for 24 hours. The day noise levels have been monitored

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during 6 am to 10 pm and night levels during 10 pm to 6 am at all the locations covered in 10 km radius of the study area. The noise level measurements have been made at 10 locations within the area in the summer season of 2007 (May 2007). All the 10 locations are situated in rural and residential areas. The observations have been presented in Table 13.8

TABLE. 13.8
SUMMARISED RESULTS OF NOISE MONITORING (MAY 2007)

Sl. No	Location	Location Number	Noise Level [Leq in dB (A)]			
			Measured values		Permissible Limit	
			Day	Night	Day	Night
1	Lagalpiyadih	CN1	42.50	38.10	55	45
2	Kerandari	BN1	41.90	37.70	55	45
3	Tunda	BN2	39.90	36.60	55	45
4	Mungwatand	BN3	40.50	37.60	55	45
5	Tandwa	BN4	46.00	37.00	55	45
6	Sirma	BN5	42.10	37.30	65	55
7	Agartali	BN6	46.70	41.00	55	45
8	Garri kalan	BN7	46.30	39.20	55	45
9	Kabed	BN8	42.70	37.70	55	45
10	Jamira	BN9	40.10	37.70	55	45

Based on the observations made during the studies, it is concluded that the noise levels observed at all the locations are within the limits specified for rural and residential areas.

13 (a) (viii) TRAFFIC DENSITY

Traffic density measurements were performed at one location near Tandwa-Kerendari Road. The monitoring was performed in May, 2007.

METHODOLOGY

Traffic density measurements were made continuously for 24 hours by visual observation and counting of vehicles under three categories, viz, heavy motor vehicles, light motor vehicles and two/three wheelers. As traffic densities on the roads are high, two skilled persons were deployed simultaneously at each station during each shift - one person on each of the two directions for counting the traffic. At the end of each hour, fresh counting and recording was undertaken. Total numbers of vehicles per hour

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under the three categories were determined. The results of measurements are given in Table 13.9

TABLE 13.9
TRAFFIC DENSITY

Traffic vehicle	No. of vehicles per day
	Near Tandwa-Kerendari Road
H.M.V.	447
L.M.V.	132
Two/three wheelers	187
Grand Total	**766**

13 (a) (ix) SOIL CHARACTERISTICS

To establish the baseline characteristics with respect to soil quality in the area, survey of soil quality was conducted during summer season of 2006-07.

LOCATION

Topsoil samples from the two locations were collected and characterized. The two locations are agriculture field in Pagar village and barren land of the core zone. The soil analysis results for these locations are given in Table 13.10

Table 13.10

SOIL TEST RESULTS

	Location		Kerendari	Pagar
1.	pH		6.43	6.32
2.	Electrical Conductivity	µ mhos/cm	0.078	0.10
3.	Nitrate	Kg/ha	10.31	7.65
4.	Phosphorous	Kg/ha	0.21	0.93
5.	Potassium	% by mass	0.017	0.016
6.	Calcium carbonate	% by mass	14.3	21.2
7.	Sodium	% by mass	0.017	0.015
8.	Chloride	% by mass	0.040	0.084
9.	Sulphate	% by mass	29	12
10.	Available Iron	% by mass	0.067	0.01

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11.	Organic matter	% by mass	0.79		0.87	
12.	Natural moisture content	% by mass	1.59		6.72	
13.	Available water storage capacity	% by volume	20		13.2	
14.	Bulk Density	g/cm3	1.68		1.75	
15.	Grain size distribution		Seive mm	% passing	Seive mm	% passing
			2	76	2	73
			1	54	1	48
			0.850	47	0.850	43
			0.425	21	0.425	21
			0.212	9	0.212	15
			0.150	7	0.150	7
			0.75	1	0.75	3
			Pan	0	Pan	0

Observation

The results of the soil quality analysis observations are as follows:

1. The soil is mainly Light brown in colour.
2. The quick weathering genesis has produced shallow, loam and sandy soil. The sandy soils are poor in organic contents and have low moisture retaining capacity.
3. The pH of soil varies from 6.32 to 6.43 for the locations.
4. Conductivity of soil samples is normal.

13 (a) (x) SOCIO-ECONOMICS

In the area, i.e. the area falling within 10 km from the mine, there are 103 inhabited revenue villages. The entire buffer zone falls within Chatra and Hazaribagh Districts of Jharkhand. Out of the 103 villages, 8 falls in Simaria Tehsil, 17 fall within Tandwa Tehsil, 65 under Kerendari Tehsil and 13 under Barkgaon Tehsil. Population in the area is presented in Table 13.11

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TABLE 13.11

DEMOGRAPHIC DETAILS OF THE CORE AND BUFFER ZONE (As per Census 2001)

Description	Total
Total Population	107777
Male Population	54082
Female Population	53695
Females/1000 males	993
No. of households	18943
Average Family size, persons/family	5-6
Schedule caste	24077
SC as % of total population	22.34
Schedule Tribe	3123
ST as % of total population	2.90
Total literates	37965
Male literates	25487
Female literates	12478
Literates as % of total population	35.23
Male literates as % of male population	47.12%
Female literates as % of female population	23.23%

Salient features of the demographic profile are as follows:

a) Male population is more than the female population but male- female ratio is quite higher than that of the state and country.

b) The average family size is more than 5 persons/family.

c) Schedule tribes population is minimal (2.9%).

d) Literacy rate is less than 50%. Female literacy is much lower than the male literacy rate.

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EMPLOYMENT AND OCCUPATION

Employment pattern and occupation are the two main indicators of the economic profile, and the same for the individual villages, based on 2001 census data. A summary of employment pattern and occupation is presented in Table 13.12

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TABLE 13.12

SUMMARY OF EMPLOYMENT & OCCUPATION IN THE CORE AND BUFFER ZONE

Description	Total
Total workers	43862
Total workers as % of total population	40.7%
Main workers	26737
Main workers as % of total workers	60.95%
Marginal workers	17125
Marginal workers as % of total workers	39.04%
Non workers	63915
Non workers as % of total population	59.30
Break-up of main workers	
Cultivators (%)	68.73
Agricultural labours (%)	15.16
Household industries (%)	2.27
Other workers (%)	13.84
Total	**100.0**
Break-up of marginal workers	
Cultivators (%)	41.93
Agricultural labours (%)	48.25
Household industries (%)	3.21
Other workers (%)	6.62
Total	**100.00**

Salient features of employment pattern and occupation in the area are as follows:

a) Cultivators and agricultural labourers account for approximately 84% of total main workers and approximately 90% of marginal workers of the total population. These figures indicate that agriculture is the main occupation.

b) The average family size in the area is more than 5 persons/household. As main workers constitute 24.81% of the total population, it is therefore concluded that, on an average, at least one person in each household has full time employment.

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13 (a) (xi) HYDROGEOLOGY

The alluvial sediments limited down to 20 m depth mostly forms shallow aquifer in the area and is being exploited through open wells and hand pumps to meet the domestic need of local inhabitants. The groundwater in this aquifer occurs in unconfined water

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table conditions. The deeper aquifer contains groundwater in confined or semiconfined conditions. Few shallow tubewells limited to 60 m depth have been constructed by farmers to meet the irrigational need of water. To evaluate the prevailing hydrogeological scenario intensive well inventory has been carried out and around 45 open wells were examined during November 2006 on which repeat observations were taken during June 2007 to estimate the change in groundwater storage.

Depth to groundwater

The well inventory data for post monsoon period of 2006 and pre-monsoon season of 2007 (June) have been presented in Table 13.14

TABLE 13.14
WATER LEVEL DATA

Sl. No.	Location	Well No.	Owner	Observed Water Level m.b.g.l.	Observed Summer Level m.b.g.l.	Seasonal Fluctuation (m)
1.	Gari Kalan	1	Jhari Mahto & Sukha Mahto	2.90	6.90	4.00
2.	Patra Kalan	2	Bhyali	6.30	9.48	3.18
3.	Jamira	3	Ranbir Singh	5.30	12.25	6.95
4.	Pahera	4	Maladhari	1.84	6.27	4.43
5.	Hewai	5	Naresh Paswan	4.82	5.12	0.30
6.	Deswari	6	Lalji	3.90	7.69	3.79
7.	Kerendari	7	Rupan Rav	2.10	3.62	1.52
8.	Kerendari (Belcha)	8	Govt. well	2.00	5.50	3.5
9.	Karli	9	Waquid Bhainya	3.70	4.70	1.00
10.	Joko	10	Beno Sao	1.60	3.95	2.35
11.	Salga	11	Doman Rana	2.95	5.91	2.96
12.	Chamgarha (Keri)	12	Tegu Mahto	2.54	3.62	1.08
13.	Kerigarha	13	Chaman Mahto	5.45	8.29	2.84
14.	Sonbarsa	14	Khedan Mahto	2.1	6.42	4.32
15.	Sonbarsa	15	Govt. Well	4.50	7.73	3.23
16.	Chunchu	16	Chillu Sao	2.90	4.47	1.57
17.	Dari Kalan	17	Khedu Mahto	2.10	6.05	3.95
18.	Sindwari	18	Koleswar Sao	4.20	6.50	2.30
19.	Sikri	20	Jagdis Sao	3.8	4.95	1.15
20.	Parpain	21	Prasidi Mahto	3.25	4.48	1.23
21.	Dewaria Kalan	22	Md Hobile	3.4	5.88	2.48
22.	Dewaria Khurd	23	Govt.	6.6	8.52	1.92
23.	Garhi Khurd	24	Jaganath Rana	3.85	9.43	5.58
24.	Panrepura	25	Karam Mahto	3.6	8.78	5.18

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Sl. No.	Location	Well No.	Owner	Observed Water Level m.b.g.l.	Observed Summer Level m.b.g.l.	Seasonal Fluctuation (m)
25.	Chatti-Bariatu	26	Shyamlal Sao	4.1	6.47	2.37
26.	Kandaber	27	Shyamlal	3.0	12.2	9.2
27.	Belta	28	Mukesh	5.8	10.05	4.25
28.	Patra khurd	29	Baleshwar Rana	1.4	7.24	5.84
29.	Pagar	30	Nareshwar Pathak	5.2	12.26	7.06
30.	Jordag	31	Lakhan	2.80	6.16	3.36
31.	Laionkwas	32	Dinesh Misra	1.2	8.08	6.88
32.	Laionkwas	33	Damari Sah	3.2	8.42	5.22
33.	Bhadai Khap	34	Govt.	1.7	2.07	0.37
34.	Bhadai Khap	35	Govt.	0.7	2.42	1.72
35.	Tandwa	36	Govt.	1.95	4.66	2.71
36.	Sihora/ Kishanpur	39	Bijali Bhuiya	6.80	11.83	5.03
37.	Serandag	40	Danu Sao	3.70	4.12	0.42
38.	Saradhu	41	Habaliya	7.7	-	-
39.	Saradhu	42	Sohar Projapati	3.3	4.36	1.06
40.	Parhadih	43	Ramu Rana	2.0	4.43	2.43
41.	Gariloung	44	Kameshwar	1.4	2.75	1.35
42.	Lochar	TW	E. W.	4.51		
43.	Sanahan Joli	45	Jhalha Mahto	1.18	3.85	2.67
44.	Kamrang Kalan	46	Govt.	5.49	8.20	2.71
45.	Naiparam	47	Lakhan Mahto	3.36	4.86	1.5
46.	Pagar	50	Harihar Pd.	5.3	11.39	6.09
	Average					**3.25**

The review of the water level data indicates a large variation in water level over the project area. This variation is on account of variable geomorphology which controls the configuration of the water table in the area.

Using the observed water level the depth to water table maps for pre & post monsoon seasons have been prepared. The review of map indicates shallow water table conditions (water table less than 5 m below ground) exist over the south-western portion of the area. The depth to water table over the M.L. area range between 3.0 to 5.0 m below ground during post monsoon season and during pre-monsoon season of 2007 it was observed more than 10 m below ground. The deeper water table is observed over the entire northern and south-eastern portions of the area. The shallow water table condition is observed in the valley portion over south west of M.L. area during post monsoon season.

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Groundwater flow regime

The geomorphology of the area is the main controlling factor for groundwater flow. The flow of groundwater with in the shallow aquifer of the area is towards south, that is towards regional slope and flow direction. The drainage in the area is effluent in nature. To decipher the groundwater flow regime, the water table elevation contour map has been drawn using the observed water level and spot heights. The review of this map indicates general groundwater flow towards south over the western portion of the study area and towards south-east over eastern sector of the study area. The ground water flows towards the master drainage in these two sectors of the area. Over the M.L. area easterly groundwater flow is indicated through the map.

The water table slope is highly variable over the area ranging between 6 to 20 m/km and it is in accordance to the land slope. The flatter slope of water table is observed in valley portions while steeper slope is observed at the hill slopes. The water slope over the M.L. area is eastward at is around 7 m/km.

Water table fluctuation

The rainfall is the principal source of groundwater recharge over the area. The water table fluctuates over the year due to recharge taking place, or, on exploitation of groundwater from the storage. To monitor the groundwater status in the area, Central Groundwater Board has established a key well at Tandwa to observe the behaviour of water table. The monitored data is reproduced in Table 13.15 and using this data water level hydrograph has been drawn to show the historic behaviour of water table in the area. The review of data and the hydrograph indicate a rising trend in groundwater storage over the entire period of observation. No consistency in data is reflected from the hydrograph.

TABLE 13.15
WATER LEVEL OF TANDWA HYDROGRAPH STATION

Year	January	May	August	November
1991	-	12.81	-	
1992	-	-	-	
1993	7.04	-	4.00	
1994	9.00	-	3.05	
1995	-	9.72	3.26	3.48
1996	6.74	10.98	3.67	5.20
1997	7.93	6.99	3.99	5.05
1998	4.45	6.21	2.16	

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Year	January	May	August	November
1999	3.97	-	-	3.50
2000	3.10	-	6.85	-
2001	6.38	-	-	-
2002	-	-	-	-
2003	-	-	-	-
2004	3.12	-	-	-
2005	7.26	-	7.69	-

The groundwater storage change over the entire area was evaluated through repeat water level observations on the inventorised wells during post- monsoon and pre-monsoon season. The water table fluctuation data indicates large variation, ranging between 0.42m to 6.95m. As against the fluctuation data, indicating large storage change exceeding 5 m in the M.L. area, lower quantum changes around 2.0 m occur in valley parts located south-east and east of ML area.

AQUIFER CHARACTERS

The test well and observation well are located adjacent to southern boundary of the M.L. area. As the well yield was found quite low during the development it was decided to conduct a slug test on the well to determine the hydraulic characters of the formation. The pump test was not feasible on account of extremely poor discharge from the well. The test well and the observation well were identical in lithology and design. The observation well has been chosen to conduct the slug test.

The slug tests are the means by which a single well can be utilized to estimate the horizontal hydraulic conductivity of saturated subsurface formations. The slug test generally gives the value of hydraulic conductivity at the particular point. In slug test a known volume of water is either suddenly taken out or added into the well. In response to this sudden addition or removal of water, the change in storage takes place which is reflected through pie-zometric head variation in the formation tapped into the well being tested. The removal of water / slug may be done using a long boiler which is lowered into the well and known volume slug is taken out. The addition of slug may also be done using a tanker or any container of known volume. All efforts are made for sudden addition / removal. The water level into the well is observed before addition or removal of slug. The changes in water level are observed using a suitable measuring device which may be a transducer or ordinary tape or any suitable electronic device for automatic recording. During experimentation, the known volume of slug was suddenly added into the well using four number of containers of known volume. The water level

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before addition was observed and the level observation continued till the maximum slug added have passed into the aquifer and the water level reached to original level.

The slug test data has been presented in Table13.16

TABLE 13.16
SLUG TEST DATA

Site Location	-	Lochar Observation Well 1
Project	-	Kerendari Coal Mining Project
Static water level (Y_0)	-	4.60 m. b.m.p.
Water added	-	45 litres in one minute
Radius of well	-	75 mm
Effective radius	-	150 mm

Time Since Pump Started Minute (t)	Depth to Water Level (m.b.m.p) (Y^t)	Drawdown (m)	Y^0/Y^t
0.5	1.19	0	3 41
0.5	1.19	0	3.41
1	1.22	0.04	3.38
2	1.235	0.04	3.365
3	1.275	0.08	3.325
4	1.31	0.12	3.51
5	1.34	0.15	3 43
6	1.37	0.18	3 35
8	1.43	0.22	3 22
10	1.485	0.27	3.097
15	1.61	0.40	2.857
20	1.72	0.51	2 67
30	1.93	0.72	2.38
40	2.10	0.90	2 19
50	2.25	1.06	2.04
60	2.38	1.19	1.93
70	2.49	1.30	1 58
80	2.58	1.39	1 78
90	2.65	1.46	1 73
100	2.72	1.53	1.69
110	2.78	1.59	1 65
120	2.82	1.63	1 63
130	2.87	1.68	1.60
145	2.92	1.73	1 57
160	2.98	1.79	1.54
180	3.04	1.85	1 51
200	3.11	1.92	1.479
220	3.17	1.91	1.45
240	3.20	1.98	1 437

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GROUNDWATER RESOURCE

The groundwater resource for the area has been worked out as per the standard procedures recommended by groundwater estimation committee, Govt. of India.

Ground water resource by Adhoc norms

To evaluate the monsoon ground water replenishable resource, the monsoon rainfall for the area was taken from the records of IMD. The area having slope more than 20% have not been considered as the runoff from such area is large and possibility of recharge in low. The infiltration coefficient of 20% was considered appropriate to evaluate quantum of recharge to groundwater repository through rainfall.

Study area	-	429.44 Sq.km
Area suitable for recharge (60%)	-	257.66 Sq.km
Monsoon rainfall	-	1116.2 mm
Infiltration factor	-	20%
Monsoon rainfall recharge	-	57.52 MCM

Groundwater recharge by water table fluctuation method

Total study area	-	429.44 Sq.km
Area suitable for recharge (60%)	-	257.66 Sq.km
Seasonal fluctuation	-	3.25 m
Specific yield	-	5%
Monsoon G.W. recharge	-	41.86 MCM

Annual groundwater recharge

The rainfall is the only source for groundwater replenishment. No major surface irrigation network exists in the area. During the non-monsoon season the potential evaporation rate is much higher than the rainfall. Therefore direct recharge to groundwater storage through rainfall during non-monsoon season is not expected.

As per norms of G.E.C. the monsoon season recharge to groundwater by water table fluctuation approach should be preferred subjected to, it does not exceed the 20% of the estimates by rainfall infiltration method. Therefore, the annual ground water

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resource may safely be taken as 41.86 MCM, which has been worked out by water table fluctuation method and it is less than the estimates by rainfall infiltration method.

13(b) ENVIRONMENTAL IMPACT ASSESSMENT

An essential step in Environmental Impact Assessment (EIA) is to identify all potential environmental impacts (both beneficial and adverse). The identified impact due to mining and associated activities has been studied in relation to the following areas:

13(b) (i) IMPACT ON LAND USE

Existing (pre-mining) land use in lease area is given in Para 13 (a) (i). Mining, dumping, road, built – up area etc. will change the existing land use pattern by degrading/utilizing non-forest land. Plantation/utilization break-ups (at 5-yearly stage) have been given in Table no 13.18.

Table 13.18
Land use pattern at first 5 year

Activities	Area (in hectare)
Mined Area	150.00
External Dump	100.00
Temporary top soil stack over indicated reserve	53.00
Infrastructure including CHP, office etc.	8.99
Temporary coal stock (1 month production)	2.00
Access road, conveyor, Baldeori Nala diversion	14.00
Embankment against Basaria Nala	13.00
Plantation	7.58

13(b) (ii) IMPACT ON WATER QUALITY

Washing of coal has not been envisaged at present. Thus pollution of surface water from the effluent discharged from the washery is ruled out.

13(b) (iii) IMPACT ON NOISE LEVELS

The noise level in and around the mine may increase in future due to mechanised mining operation, blasting and operation of crusher. However, the noise levels in and around the area is expected to be below 75 dB (A).

13(b) (iv) IMPACT ON AIR ENVIRONMENT

Mining operations such as excavation, loading and unloading, movement of dumpers on haul roads, back filling, crushing, screening and also drilling and blasting

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expected to generate airborne fugitive dusts. Emission of pollutants like nitrous fumes (No_x), sulpher oxides (SO_x), carbon monoxide (CO) etc from diesel operated equipment will also have some contribution.

The ambient air quality of the area shows that the pollutants like SPM, SO_x, No_x and CO are well within the specified tolerance limits. As such the air environment of the mine is not likely to be adversely affected during the five year period.

13(b) (v) VIBRATION LEVELS (DUE TO BLASTING)

Blasting pattern has been designed to minimise the vibration levels. However, vibration levels will be studied once the blasting is done in the lease area.

13(b) (vi) IMPACT ON WATER REGIME

Excavation in Sector B, after first 6 years of coal production, will affect Baldeori Nala, which will be diverted along the western boundary of the lease hold, digging a channel 3 m wide and 5m deep, before any excavation starts in Sector B, preferably during the initial two construction years. Ground water level of the area varies from 25 to 35 m from the surface. The opencast mining below ground water level shall involve release of water in the order of 1000 m^3/hr through pumping which will be discharged to the proposed garland drain. The drawl of this quantity of water is expected to be recharged through rains during monsoon which is 200-800 mm in monsoon and 100 – 200 mm in post & pre monsoon season. Industrial water requirement for drilling, spraying over road, washing of machinery etc. shall be met through creating a small reservoir on Basaria Nala on the north of the property. A pump will be fitted to take water from the reservoir to an overhead tank for industrial use. Overflow from the ware will go along the original alignment of the Basaria nala.

The active mining activity for the five years period does not encounter any stream/nallah. As such accumulation of surface water is not envisaged in any quarry even during rainy season. Suitable storm water drains will be made above the top bench to channelise the surface run-off during rainy season.

13(b) (vii) IMPACT ON SOCIO-ECONOMICS

Displacement of human settlement will be involved due to the proposed mining activities. Adequate settlement and rehabilitation schemes will be implemented as per the guidelines of State/Central Govt. Mining activities will have a positive effect on the socio-economic condition of the people nearby, as it is a steady source of income for them. With the continuation of mining operation employment opportunities, communication, medical facilities, schooling etc will be improved further.

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13(b) (viii) HISTORICAL MONUMENTS

There is no historical monument in and around the mining lease boundary.

13 (c) ENVIRONMENTAL MANAGEMENT PLAN

To maintain ecological balance & to check harmful effects due to mining and allied activities, environmental control measures have been integrated into the process of mine planning.

13(c) (i) STORAGE & PRESERVATION OF TOP SOIL

Efforts will be made to excavate and segregate topsoil separately. Top soil will be scraped by dozer before the ground preparation for drilling and blasting. Top soil will be transported to the top soil temporary storage area over the indicated reserve. This top soil will be reclaimed and spread over the internal dump from the 8th year onwards. During initial period of mining, the top soil shall be directly utilized for plantation of saplings along the proposed roads and the identified land. Some topsoil will be utilized for spreading over the external OB dump to the north of the property to facilitate plantation over the OB dump.

13 (c) (ii) PROPOSAL FOR RECLAMATION OF LAND AFFECTED BY MINING ACTIVITIES

As per the year wise excavation programme envisaged in the mining plan, the mine benches will remain active till the end of first five years of operation. Accordingly, the reclamation of mined out area will not be possible during first five years. However, the back filling of mined out area will start after 6th year of mine operation. To facilitate maximization of internal dumping, it has been planned to sectorise the area, mostly under the proved reserve, for which the mining plan is being prepared into 4 sectors, namely, sector A – the rise most sector; sector B, to the dip side of sector A; sector C, to the dip side of sector B and sector D to the dip side of sector C. Each of the sectors will have 2 OB roads on the eastside and a 3rd OB road on the eastside at the surface level for moving the dumpers to the workshop. The scheme of backfilling is depicted on the sector plans and dump plan. After backfilling in one sector has reached ground level, flush against the sides of excavation, further internal dumping will be continued to make the height of the dump upto 60 mt in 2 tiers of 30 mt each. Since the dump upto ground level is constrained by the original ground along the sides of the

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excavation, which provides stability, no problem is foreseen in heightening the dumps upto 60 mt so as to maximize internal dumping and make minimal demand on additional land for external dump.

13 (c) (iii) PLANTATION PROGRAMME

For the total mine upto the proved reserve under planning a total of 470.18 Ha area will be excavated. To compensate for the above, plantation will be undertaken during first five years as per the following plantation schedule.

Year	Area to be covered (ha)	No. of trees to be planted (@ 1250 saplings/ha), 75 % survival rate
First year	2.05	all around the lease boundary
Second year	1.81	Along the embankment
Third year	0.97 + 0.50	To compensate the plant died + Infrastructure
Fourth year	0.60 + 0.50	Along the access road, out side the dump area
Fifth year	1.20	On the external dump/mine periphery & along road

Five yearly plantation schedule proposed for conceptual stage of mine planning is as follows.

The green belt will serve the following purposes:

- Compensate the loss of vegetation due to setting up of the mine
- Prevent the spread of fugitive dust generated due to mining and allied activities
- Attenuate noise generated by the mine.
- Reduce soil erosion
- Increase green covers and improve aesthetics.

The species to be planted in the area are Mango, Mahua, Sal etc. Local species as available will also be planted.

In addition to compensatory afforestation, green belt will also be developed in vacant areas, around office buildings, garage, stores etc. along the road sides and on the external dump.

13 (c) (iv) STABILISATION, VEGETATION AND MANAGEMENT OF DUMPS

The quantity of OB/waste to be dumped during first five years has been estimated at 115.71 Mm^3 (loose). The dumping of OB/waste has been proposed in over 100 Ha of non forest and non coal land to the north of the project, to a height of 120 m which will accommodate 109.37 MM^3 overburden. A quantity of 6.34 MM^3 OB will be dumped in

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non forest and non coal land to the north of the project, to a height of 120 m which will accommodate 109.37 MM^3 overburden. A quantity of 6.34 MM^3 OB will be dumped in the 6th year, in the internal dump of Sector A. The external waste dump will be stabilised by terracing the slopes. Soft soil will be spread over the hard OB and thereafter, plantation will be carried out over the stabilised external dump to increase the stability of dump & also to make the surroundings more eco-friendly. Only local species will be planted under the guidance of state forest department.

A 1.5 m high barrier wall will be erected along the outer edge of external dump at a distance of 15 m form dump toe to arrest the rolling stones down the dump edge. A drainage channel will be dug inside the wall to channelise the rain water falling over the dump area. The channel will be cleaned periodically particularly before the onset of monsoon. Dozer and backhoe has been envisaged for terracing of dump slopes as well as maintaining the drainage.

13(c) (v) MEASURES TO CONTROL EROSION/SEDIMENTATION OF WATER COURSES

Continuous monitoring will be done to remove overburden material and loose sediments from the working mine benches and excavation zone to avoid rolling of the same into the water course and thereby prevent the erosion and sedimentation. Retention wall will be constructed around the dump to prevent rolling down of loose sediments. Settling pits will be constructed at appropriate locations along the water channels to arrest sediments and clean water will be allowed to flow into natural water course.

13 (c) (vi) TREATMENT AND DISPOSAL OF WATER FROM MINE

The water inside the mine pit is expected from the rain water during rainy season. Entire precipitation over the pit will be channelised systematically into natural drainage. In order to ensure the discharge of clean water into the natural drainage, sedimentation ponds will be made at suitable location to arrest the sludge. Accumulated sludge will be scraped off regularly to maintain the clear mine water discharge. In order to monitor and for subsequent management of water quality, monitoring stations will be located near settling pit. Effluent treatment plant is envisaged for treatment of water discharge from workshop as well as domestic waste.

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13 (c) (vii) MANAGEMENT OF AIR QUALITY

In the proposed lease area, the existing air quality is within the norms as specified by the National Ambient Air Quality Standards (NAAQS). Fugitive dust shall be generated in open cast mine due to drilling, blasting, handling of overburden & coal. To control dust from various operations following measures will be resorted to.

- Drilling area will be wetted prior to drilling
- Water will be sprayed during loading/unloading of OB and ore
- Periodical water spraying will be done on haul road, overburden dump & stacks of coal.
- Trees will be planted on road side.
- Dumps will be stabilised by planting grass/trees

It has been proposed that all mining and ore processing equipment will have dust extraction and separation attachment to minimise air pollution. In order to monitor and subsequent management of air quality, monitoring stations will be located near dust generating areas such as haul road, OB dump, coal handling plant etc.

13 (c) (viii) PROTECTIVE MEASURES FOR GROUND VIBRATION/AIR BLAST CAUSED BY BLASTING

Loosening of rock mass will be done by the blasting of 10 to 15 m deep and 160/250 mm diameter blast holes. Delay interval will be optimized during trial blasting. We may follow Langefore, 2 – 5 milliseconds per meter of burden. Air deck blasting will be tried. Burden and spacing will be finalized after experimentation. Milli-second delay detonators have been envisaged to minimize the ground vibration. Blast vibration studies will be conducted to optimize the burden & spacing and explosive requirement so as to minimize the vibration effect due to the blasting.

Blasting will be carried out in a periodical manner and during the daylight hours so as to minimize the impact on the local habitants and the faunal species.

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13 (c) (ix) MEASURES FOR PROTECTING HISTORICAL MONUMENTS AND FOR REHABILITATION OF HUMAN SETTLEMENTS

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Historical monuments do not exist within 5 km radius of the proposed ML area. Adequate scheme for rehabilitation for human settlement within the leasehold area will be implemented in line with the policies of Central/State Govt.

13 (c) (x) SOCIO-ECONOMIC BENEFITS ARISING OUT OF MINING

The activities involved in mining and subsequent preparation of coal at proposed leasehold area will generate employment potential both directly or indirectly. As the proposed mining and transportation may be envisaged through contractual means, through Mine Developer & Operator (MDO), local people will have employment opportunities as skilled, semi-skilled and unskilled labourers in mining, transportation and allied activities. Thus, there will be overall improvement in the socio-economic status of the people of the surrounding areas. Mining activities will have a positive effect on the socio-economic condition of the people nearby, as it is a steady source of income for them. With the continuation of mining operation employment opportunities, communication, medical facilities, schooling etc will be improved further. The environment management plan has been shown in NTPC/ ACMM/KRD/12

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Chapter XIV

PROGRESSIVE MINE CLOSURE PLAN

14.1 INTRODUCTION

Name of Lease: Kerendari A Block of North Karanpura Coalfield in Hazaribagh district (Jharkhand)

Regd. Office: NTPC Bhawan, Scope Complex, 7 Institutional Area,

Lodhi Road, New Delhi – 110003

Extent of Lease Area: 654 Ha

Type of Lease Area: The area is moderately flat with gentle slope. Ground slopes towards south and west. Elevation varies from 432 mt to 459 mt RL with reference to MSL within the block.

Existing land use pattern:

Kerendari A Block is a virgin area; it has never been used for mining. Therefore, there is no degradation of land.

1. Method of Mining: Mechanised opencast using shovel, dumper with drilling and blasting.
2. Reason for Closure: As the plan is progressive mine closure plan, the reason for closure is not applicable.
3. Statutory Obligations: There has been no mining in the lease area. So no statutory obligation is applicable.
4. Closure Plan Preparation:

Name : NTPC Ltd.

Regd. Office : NTPC Bhawan, Scope Complex, 7 Institutional Area

Dist : New Delhi, State: New Delhi

For all correspondence the following address may be contacted.

NTPC Bhawan, Scope Complex, 7 Institutional Area

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Name & Address of the RQP who has prepared this plan:

RQP No. 34011 / (30) / 2006-CPAM
Shri P. K. Banerjee
C/O ACMM Pvt. Ltd.
C/194, Road No. 1, Ashok Nagar, Ranchi – 834002, Phone: +919431594313

14.2 MINE DESCRIPTION

The details on Geology are described in Chapter 4 of this document. However, a brief of the same is also given below:

Topgraphy: The Kerendari A Block shows a flat topography. The ground, in general, slopes towards south and west. The elevation varies from 432 m to 459 m RL with reference to MSL within the block. In general the entire block has a more or less flat topography. The drainage is controlled by the Basaria Nala in the east and Baldeori Nala in the south central of the block. All the nalas are seasonal but during the rainy season they discharge their load in the Bakri River, which flows on the west of the block.

Local Geology: The block comprises Talchir, Karhabari, Barakar, Barren Measures and Ranigang Formation belonging to Damuda Subgroup of Lower Gondwana. Talchir Formation rests directly over the Archaeans. The Karharbaris and Barakars are the main Coal bearing formations in the block. The stratigraphic succession of the block is given in Table No- 14.01 (Same as 04.02)

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Table No. – 14.01

Stratigraphic Succession of Kerendari "A" block

Period	Group	Sub-Group	Formation	Thickness range (m)	Lithology
Recent			Alluvium		Detrital & Alluvial Soil + Subsoil
Upper Permian	Lower Gondwana	Damuda	Raniganj	Upto 107.00	Fine to medium grained micaceous sandstone, Interbanded shale and sandstone, carbonaceous shale & Thin Coal seams
			Barren Measures	Up to 268.00	Dark grey Shale, Sandy Shale & inetrbanded Shale & Sandstone.
			Barakar	Up to 182.00	Fine to coarse grained sandstone, shale, Carbe Shale & coal seams.
			Karharbari	24.00 81.00	Medium to coarse grained sandstone, shale, silicfied quartzitic sand stone & thin coal seams.
Permo-carboniferous	-	-	Talchir	6.00	Green coloured shale Boulders & Conglomerates
----------			*Unconformity*		----------
Pre-Cambrian	–	–	Metamorphics		Granite Gneisses & Quartzites

Structure: Kerendari "A" block is located in northern part of the North Karanpura Cola field. The block is moderately faulted with 5 faults. Most of the faults are generally curvilinear in nature, and have almost NW-SE trend with variable northerly/north easterly throw giving rise to a step fault configuration. The strike of the strata is almost E-W in the entire block. The general dip of the strata/Coal seams is

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Southerly and varies from 9^0 to 11^0. Five faults have been interpreted is the block on the basis of Surface and Sub-Surface data. Three of these faults viz – F_1, F_2 & F_3 are in continuation from the adjoining Dumri & Chatti-Bariatu blocks. The remaining two faults viz F4 & F_5 have been interpreted from Surface & Sub-Surface data generated in the block. In general, the faults are curvilinear in nature with low to moderate throw towards North & North East. The block is moderately disturbed by faults. The details of faults as interpreted on the basis of available information for Kerendari "A" block is given in Table No- 14.02 (same as 04.03).

Table No. : 14.02

Details of Faults in Kerendari "A" Block

Fault No	Extent Of Fault	Trend of Fault	Direction of throw	Amount of Throw (m)	Evidences
F_1- F_1	About 2.5 Km	NW-SE	NE	100-130	Continuation from Dumri Block and separates Chatti-Bariatu block on the Western side. Based on stratum colours of both sides.
F_2- F_2	About 3.5 Km	NW-SE	N/NE	15-40	Continuation from Dumri block. Seams II Top, II Bottom, I Top and roof of I Middle are omitted in BH CMKNC- 79
F_3- F_3	About 3.6 Km	NW-SE	N/NE	20-30	Continuation from Dumri block. (i) Seam II Top is faulted in BH CMKNC-49. (ii) Floor of Seam IV Top. IV Bottom, III top and III Bottom are faulted in BH CMKNC-27
F_4-F_4	About 3.6 Km	NW-SE	N/NE	20-30	(i) Roof of Seam IV top is faulted in BH CMKNC-80 (ii) Seam IV D,IV C, IV B, IV A & IV top are faulted in BH CMKNC-81
F_5-F_5	About 1.7 Km	NW-SE	NE	0-40	(i) Seams IV D, IV C, IV B. IV A & IV top are faulted in BH CMKNC-25 (ii) Floor of seam III bottom is faulted in BH CMKK-116. (iii) Floor of seams II bottom I top, I middle, I bottom & local are totally faulted in BH CMKNC-82

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Reserve: The Geological report has mentioned coal reserves under 2 categories, the area to the north, explored in detail upto about 300 m depth, demarcated as proved category and for the area lying on the southern part of the block, having a thick barren measure cover, reserves therein have been calculated and put under indicated category. 24 additional boreholes will be required to be drilled to prove the structure and reserves in this part.

GSI has drilled 3 regional boreholes. CMPDI has drilled 83 boreholes. In 57 boreholes, overall proximate analysis for coal seams encountered in these boreholes was determined. For the remaining 22 boreholes, it was calculated. Borehole density is 13 bhs/sq. km.

The general grade of coals of Kerendari 'A' ranges between 'B' to 'G' with major portion of reserves falling in E to F grade, totalling 90% of proved reserve.

Net Geological reserves are given below:

Item	Proved (MT)
Total Net Geological reserve	188.79
L seam, considered unworkable	4.22
Net (minus L seam)	184.57
Coal lost in barrier against boundary & Nala	22.07
Coal lost in batter	13.02
Mining loss	7.47
Mineable reserves	142.01
Maximum depth upto lowest workable I Bottom seam	325 m
O.B.	142.01 MT
Coal	4.37
Overall S. R.	25 years
Mine life	188.79

Mining Method: Mechanized Opencast: Drilling & Blasting, Excavation by Shovels (Rope & Hydraulic), Transportation to CHP and double stage crushing to –50 mm.

Mineral Beneficiation: No Beneficiation

14.3 REVIEW OF IMPLEMENTATION OF MINING PLAN/SCHEME OF MINING INCLUDING FIVE YEARS PROGRESSIVE CLOSURE PLAN UPTO THE FINAL CLOSURE OF THE MINE

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The progressive mine closure plan is being prepared for the 1st time in respect of the mine. This mining plan has been prepared afresh.

14.4 CLOSURE PLAN

14.4.1 Mined Out Land

The lease is being freshly allotted. The area has never been mined.

14.4.2 Water Quality Management

Garland drains around the quarry with settling tanks will arrest suspended solid matter. Effluents from the workshop and the CHP will be collected and treated before discharge.

14.4.3 Air Quality Management

There will be constant monitoring of air quality to keep within the prescribed norms. Dust suppression measures will be operative. Plantation around the quarry and CHP will put up a green belt for mitigating air pollution. External OB dump afforested.

14.4.4 Waste Management

In the first six years proposed external dump to the north of the project will be utilized. Subsequently the quarry will be backfilled, from the seventh year onwards. To maximize internal dumping the mine has been divided in four sectors. Starting from incrop side with Sector A towards the dip there will be three more sectors, Sector B adjoining Sector A, Sector C adjoining Sector B and Sector D adjoining Sector C.

14.4.5 Topsoil Management

The area has a topsoil of 4 to 5 mt depth approximately. Topsoil will be temporarily dumped on the surface area over the indicated reserve; the height of this dump will not be more than 15 mt. The topsoil will be reclaimed and spread over the internal dumps in phases, as soon as internal dumping of hard strata has been completed in a dumped area.

14.4.6 Tailing Dump Management

Not Applicable

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14.4.7 Infrastructure

The infrastructure consists of substation CHP loading onto belts, Workshops, Floors, Mine office. There are also some blasting shelters, rest shelters etc. The mine office may be handed over to the State Government on closure of the mine. All structurals and P & M will be removed for gainful use in other units.

14.4.8 Disposal of Mining Machinery

Nearly all the mining machinery will be moved to the other units of the owner. Only the scraps and non-usable machines, if any, will be auctioned.

14.4.9 Safety & Security

Security Personnel will be detailed for a period of two years after mine closure for protecting new plantations in the reclamation area and look after the protective fence around the boundary of the mine to prevent any stray animal/man entering the area.

14.4.10 Disaster Management & Risk assessment

Provisions under coal mines regulation and rules made there under and different circulars of DGMS will be strictly followed. Safety training will be imparted in the vocational training center to the workers for protection against landslide/fall, moving equipment and precautions during blasting, electrical shock protection and against accidental fire.

14.4.11 Care & Maintenance During Temporary Discontinual

During such period round the clock security guard will be provided to prevent stray animal or persons entering mining area. Termporary fencing with notice about danger will be erected.

14.5 ECONOMIC REPURCUSSIONS OF CLOSURE OF MINE AND MANPOWER RETRENCHMENTS

To mitigate any hardship the company will do the following

1) Transfer all the skilled employees to other mining areas

2) Skill of the unskilled workers will be developed through structured programme to the extent possible so that they can be absorbed in other units or they can follow some self-employment.

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3) Suitable VRS or other compensation as per law in consultation with the district labour commissioner will be follwed.

14.6 TIME SCHEDULE OF ABANDONMENT

A tentative time schedule for abandonment has been shown in the following bar chart:

ABONDONEMENT TIME FRAME												
HEADS	QUARTERS											
	1	2	3	4	5	6	7	8	9	10	11	12
Disposal of Mobile Machinary												
Disposal of P&M												
Rehabilitation of Mine Workers												
Reclamation of Quarry Land												
Reclamation of Dump Area												
Tailing Dam Management												
Topsoil Management												
Disposal of Office												

14.7 ABONDONEMENT COST

As this is a Progressive Mine Closure Plan, only tentative cost estimate has been done for the time being on approximate basis. The exact figures will depend on the price index during the time of mine closure. Only tentative abandonment cost is given in Table 14.03

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Table No. – 14.03

Abandonment cost

HEADS	RS. In Lacs
Disposal of Mobile Machinary	80
Disposal of P & M	140
Rehabilitation of Mine Workers	Nil-Shifted to other units
Reclamation of quarry	200
Reclamation/Afforastation of Dump Area	192
Tailing Dump Management	Nil
Topsoil Management	500
Disposal of Office	Nil
Total	1112

14.8 FINANCIAL ASSURANCE

CALCULATION OF FINANCIAL ASSURANCE

Sl No	Head	Area put on use at startup plan	Additional Requirement during Plan Period	Total	The area considered as fully reclimed	Net area considered for Calculation
a	b	c	d	e=c+d	f	G=e-f
1	Area to be excavated	0.00	153.67	153.67	0.00	153.67
2	Storage for topsoil	0.00	8.80	8.80	0.00	8.80
3	Overburden/dump	0.00	100.00	100.00	0.00	100.00
4	Coal stock	0.00	2.00	2.00	0.00	2.00
5	Infrastructure	0.00	8.99	8.99	0.00	8.99
6	Roads	0.00	14.00	14.00	0.00	14.00
7	Railways	0.00	0.00	0.00	0.00	0.00
8	Green belt	0.00	3.00	3.00	0.00	3.00
9	Tailing Pond	0.00	0.00	0.00	0.00	0.00
10	Effluent treatment plant	0.00	0.00	0.00	0.00	0.00
11	Mineral separation plant	0.00	0.00	0.00	0.00	0.00
12	Township area	0.00	0.00	0.00	0.00	0.00
13	Others	0.00	0.00	0.00	0.00	0.00
	Total	0.00	290.46	290.46	0.00	290.46

@ Rs. 25000 per Ha, the financial assurance required RS. 5,853,675.30

The financial assurance for the above mentioned amount will be provided on confirmation from Ministry of Coal

P.K. BANERJEE
Recognised Qualified Person
No.- 34011/(30)/2006-CPAM
Ministry of Coal, Govt. of India

Signature Not Verified
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Date: 2025.06.26 14:23:24 IST
Reason: AGM(Commercial)
Location: NTPC Limited

14.9 CERTIFICATES

The said closure plan complies with all statutory rules, regulations, orders made by central and state Governments, Statutory Organizations etc. All measures proposed in this plan will be implemented in a time bound manner as proposed.

14.10 RELEVANT PLANS & SECTIONS

Geological Plan

Sections

Final Stage Dump plan

P.K. BANERJEE
Recognised Qualified Person
No - 34011/(30)/2006-CPAM
Ministry of Coal, Govt. of India

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Date: 2025.06.25 14:23:24 IST
Reason: AGM(Commercial)
Location: NTPC Limited

0663-454360

A-1(1)

No. 13016/29/2003-CA-I
Government of India
Ministry of Coal
.....

New Delhi, dated the 25th January, 2006.

To

The Chairman-cum-Managing Director,
National Thermal Power Corporation Limited,
NTPC Bhawan,
SCOPE Complex, Lodhi Road,
New Delhi – 110 003.

Subject : Allocation of Kerandari, Chatti Bariatu in North Karanpura coalfield in Jharkhand, Chhatrasal in Singrauli coalfield in Madhya Pradesh and Dulanga in Ib valley coalfield in Orissa for mining of coal for their Power Plants to M/s. National Thermal Power Corporation (NTPC).

Sir,

I am directed to refer to your letter No. 01/FM &MO/Coal Mining/006-623 dated 01.03.2005 and to state that the Central Government, after considering your request, has decided to allocate the four coal blocks viz., Kerandari (229 mt.), Chatti Bariatu (243 mt.) in North Karanpura coalfield in Jharkhand, Chhatrasal (150 mt.) in Singrauli coalfield in Madhya Pradesh and Dulanga (260 mt.) in Ib valley coalfield in Orissa for mining of coal for exclusive use in your specified proposed Power Plants (details of location, capacity, coal requirement and schedule for commissioning of each associated power plant to be provided by NTPC). This allocation is in pursuance of the provisions contained in Section 3(3)(a)(iii) of the Coal Mines (Nationalisation) Act, 1973. The allocation of these blocks is subject to the following conditions:

i) The allocation of the 4 blocks to M/s. NTPC has been made to meet the coal requirement of the following Power projects.

Coal Block	Power Project/location Name / Capacity	Coal requirement (mtpa)
Kerandari Chatti Bariatu Chhatrasal Dulanga	(Details to be provided by NTPC).	

M/s. NTPC shall provide the above details within 15 days of issue of this letter.

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Date: 2025.06.26 14:23:24 IST
Reason: AGM(Commercial)
Location: NTPC Limited

ii) The coal produced from the block shall not replace any coal linkage given to M/s. NTPC by the Coal India Limited/ its subsidiary companies and/ or by the Singareni Collieries Company Limited.

iii) The block is meant for captive use in their own specified end use projects i.e. Power Generation.

iv) The company will use the middlings generated in the process of washing for power generation i.e.the useable middings/rejects generated during beneficiation shall be used captively by the allocattee. The modalities of disposal of surplus coal/ middlings/ rejects if any, would be as per the prevailing policy/ instructions of the Government at the relevant point in time and could also include handing over such surplus coal/ middlings/rejects to the local CIL subsidiary or to any person designated by it at a transfer price to be determined by the Government.

v) The coal production from the captive blocks shall commence within 36 months (42 months in case the area is in forest land) of the date of this letter in OC mine and in 48 months(54 months in case the area fall under forest land) from the date of this letter in UG mine. The power projects based on coal from these blocks shall commence generation latest by the end of the 11th Five Year Plan. The end use project schedule and the coal mine development schedule should be submitted to this Ministry within 3 months from the date of this letter. A copy of the indicative milestone chart is enclosed.

vi) The Company shall buy the Geological report from CMPDIL within six weeks of the date of this letter.

vii) The company shall submit a mining plan for approval by the competent authority under the Central Government within six months from the date of this letter.

viii) The progress of the mine will be monitored annually with respect to the approved mining plan, which will mention the zero date

Ix) No coal shall be sold, delivered, transferred or disposed of except for the stated captive mining purposes except with the previous approval of the Central Government.

x) Mining of Coal from the allocated captive coal block shall be carried out in accordance with the applicable Statutes/Rules/Orders/Directions governing the mining of coal in the country.

xi) The allocated coal blocks of Kerandari and Chatti Bariatu are overlapped by Coal Bed Methane (CBM) block given to the Oil and Natural Gas Commission (ONGC) for exploration. Process to exclude this captive coal block from the boundary of the CBM block has been initiated. In case the exclusion does not materalise,

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Date: 2025.06.26 14:23:24 IST
Reason: AGM(Commercial)
Location: NTPC Limited

whatever reasons, then this allocation would be subject to the exploration rights accruing to the ONGC over the said CBM block. The allocatee of the captive coal block shall extend all reasonable co-operation, assistance and facility to the ONGC for carrying out the CBM exploration operations in the over-lap region without any additional cost to the ONGC.

xii) Those of the above conditions relevant at the time of grant of mining lease shall be included as additional conditions in the mining lease in addition to any further conditions imposed by or agreed to by the Central Govt.

xiii) The State Government at the time of seeking previous approval for the grant of mining lease shall submit a draft of the mining lease containing the above relevant conditions for vetting by the Central Govt. The final mining lease shall be as vetted/modified by the Central Govt. Any deviation from the vetted/modified draft shall render the mining lease deed *ab-initio* null and void and without effect.

2. Allocation / mining lease of the coal block may be cancelled, inter-alia, on the following grounds :-

(a) Unsatisfactory progress of implementation of their end use sponge iron plant / power plant.
b) Unsatisfactory progress in the development of coal mining project.
c) For breach of any of the conditions of allocation mentioned above.

The De-allocation/cancellation of mining lease shall be without any liability to the Government or its agencies, whatsoever. Any expenses incurred by the allocatee or any right or liability arising on the allocattee out of the measures taken by him shall solely be to his account and in no way be transferred to or borne by the Government or its agencies.

3. The company may approach CMPDIL for the geological report and contact the State Government authorities concerned for the necessary permissions/clearances etc. for attaining mining rights and related matters. The arrangement of transport of coal will have to be worked out by the company.

Yours faithfully,

(V.S. Rana)
Under Secretary to the Govt. of India.

Encls. As above.

Signature Not Verified
Digitally signed by PARIMAL PIYUSH
Date: 2025.06.26 14:23:24 IST
Reason: AGM(Commercial)
Location: NTPC Limited

FAX. NO : 06546 - 270852

0120 - 2410201

Attn : AK Dutt
DGM

No.CMPDI/DG/033.4/ 88-89 Date : 10.01.2007

A-II

To,

Shri S.K. Gupta,
AGM (I/C),
Chatti Bariatu & Kerandari Mining Project,
Nawabganj,
Hazarigagh-825 301.

Sub: **Geological Report for Kerandari Coal Mine Block.**

Dear Sir,

Kindly refer to your letter No.CB&K:AGM(I/C):2007 dated 03.01.2007, addressed to Director (CRD), CMPDI, regarding Geological Report of Kerandari Coal Mine block.

The Geological Report of Kerandari block has been handed over to your representative Mr. Shrikant Sinha, Engineer (Mining) on 10.01.2007. The cost of exploration to be paid by you in respect of this block shall be intimated shortly.

Thanking you,

Yours faithfully

10/1/07

(K.R. Lakshminarayanan)
CHIEF GENERAL MANAGER
(Exploration)

Copy for kind information to:

1. Director (T/CRD), CMPDI, Ranchi.

Received the same. Shrikant Sinha 10/1/07

Signature Not Verified
Digitally signed by PARIMAL PIYUSH
Date: 2025.06.26 14:23:24 IST
Reason: AGM(Commercial)
Location: NTPC Limited

A – III

सीएमपीडीआई
आईएसओ 9001 कम्पनी
CMPDI
ISO 9001 Company

सेन्ट्रल माइन प्लानिंग एण्ड डिजाइन इन्स्टीच्यूट लिमिटेड
गोंडवाना प्लेस, कांके रोड, राँची – 834 008 (झारखण्ड), इण्डिया
Central Mine Planning & Design Institute Limited
Gondwana Place, Kanke Road, Ranchi - 834 008 (Jharkhand) INDIA

No. CMPDI/DG/033.4/ 693 Dt. 22.3.07
22

FAX NO.0120-2474085 / 2474091 / 2474066

To

AGM (CM),
NTPC Limited,
Coal Mining & Coal Washeries Division,
West Wing, 1st Floor, PDIL Bhawan,
A-14, Sector 1, NOIDA 201301 (UP)
Hazaribagh-825301.

Sub: Interim Exploration Cost of Kerandari – A Block

Dear Sir,

Kindly refer to your letter no. CM/CMPDI Expl-Cost-04/01 dt.14.3.07 on the above subject. As already informed to you vide our letter dt.8.3.07 the pricing mechanism for recoverable cost of exploration is under review. As soon as the same is finalized the final cost of exploration shall be communicated to you.

Thanking you,

Yours faithfully,

23/03/07

Chief General Manager (Exploration)

Signature Not Verified
Digitally signed by PARIMAL PIYUSH
Date: 2025.06.25 14:23:24 IST
Reason: AGM(Commercial)
Location: NTPC Limited

A-IV(1)

Ref. No: 01/CM/Kerandari/Sec.4(1)/07/ Dated. 21/05/07

To,

The Director (PRIW),
Ministry of Coal,
5th Floor, Loknayak Bhawan,
New Delhi- 110003

Subject: Notification under Section 4(1) of CBA (A&D) Act, 1957 in respect of Kerandari Coal Block in distt. Hazaribagh, Jharkhand State.

Dear Sir

This is to state that we had submitted our proposal for the subject notification through the Ministry of Power vide our Reference no. 01/ CM/ Kerandari /Sec 4(1)/06/1 dated 13.10.06 in line with your office letter no 43025/ 5 /2005/ PRIW-1 dated 5.10.06 for the block area measuring approximately 602 Ha, based on the Interim Geological Report provided by CMPDIL. However, the block area was revised to 654 Ha while finalizing the Geological Report by CMPDIL. Accordingly, the area to be notified has now been revised to 654 Ha. The corresponding revised land plan no NTPC / CM / Sec 4(1)/ Kerandari / 06 / 01 R (1) has been duly verified by CMPDIL and submitted to your office.

The draft text of notification, land schedule and the boundary description of the revised area is being furnished herewith. The three certificates as required for processing the proposal are also being furnished herewith.

We hope the above fulfills the requirement for processing the proposal for notification. It is, therefore, requested that our case may please be processed for notification expeditiously.

Thanking You,

Yours Faithfully

(R K Akhaury)
DGM (CM-Civil)

Encl:a/a

Copy: The Director (Thermal), Kind Attention: Sh. Puneet Goel,
Ministry of Power,
Shram Shakti Bhawan,
New Delhi - 110001

GM(CM&CW) may kindly see.

22/5/07

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Digitally signed by PARIMAL PIYUSH
Date: 2025.06.25 14:23:24 IST
Reason: AGM(Commercial)
Location: NTPC Limited

A – IV (2)

LAND SCHEDULE :
KERANDARI COAL MINING BLOCK
DISTRICT- HAZARIBAGH; JHARKHAND
PLAN NO. NTPC/CM/SEC4(I)/KERANDARI/06/01(R1)

SL.NO	VILLAGE	THANA	VILLAGE NO	DISTRICT	AREA(ha)	AREA (acres)	REMARKS
1	TARHESSA	KERADARI	10	HAZARIBAGH	17.29 (approx)	42.70 (approx).	PART
2	PANDU	KERADARI	11	HAZARIBAGH	168.75	416.81	PART
3	PAGAR	KERADARI	19	HAZARIBAGH	190.86	471.42	PART
4	KABED	KERADARI	20	HAZARIBAGH	40.74	100.63	FULL
5	BALEDEORI	KERADARI	21	HAZARIBAGH	55.65	137.46	FULL
6	BASARIA	KERADARI	22	HAZARIBAGH	103.93	256.71	FULL
7	LOCHAR	KERADARI	23	HAZARIBAGH	76.78	189.65	PART
				TOTAL	654.00 (approx).	1615.38 (approx).	

Boundary Description:

Line A-B The line starts from point "A"at the North –west corner of village Pandu (village no.11) , passes through southern part of the village Tarhessa (village No. 10) and ends at the point " B" near the eastern boundary of the village Tarhessa .

Line B-C The Line starts from point "B" near the eastern boundary of village Tarhessa (villageno.10), moves southward & ends at point 'C' at the South-east corner of Village Tarhessa.

Line C-D The line starts from point "C" near the South-east corner of the village Tarhessa , Passes along north- eastern boundaries of village Pandu (Village no. 11) & village Basaria (Village no. 22) & ends at the point "D" on the north east corner of village Basaria.

Line D-E The line starts from point 'D' on the north –east corner of village Basaria (village

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Date: 2025.06.26 14:23:24 IST
Reason: AGM(Commercial)
Location: NTPC Limited

No.22), passes along the eastern boundary of village Basaria & ends at point "E" on the south –east corner of the said village .

Line E-F — The line starts from point 'E'on the south – east corner of the village Basaria (village no. 22) passes through the eastern part of village Lochar (village no. 23) & ends at point "F" at south- east corner of the village Locher (village no. 23).

Line F-G — The line starts from point "F" at south- east corner of the village Locher (village no. 23) moves along the southern boundary of said village & ends at point "G" on the southern boundary itself.

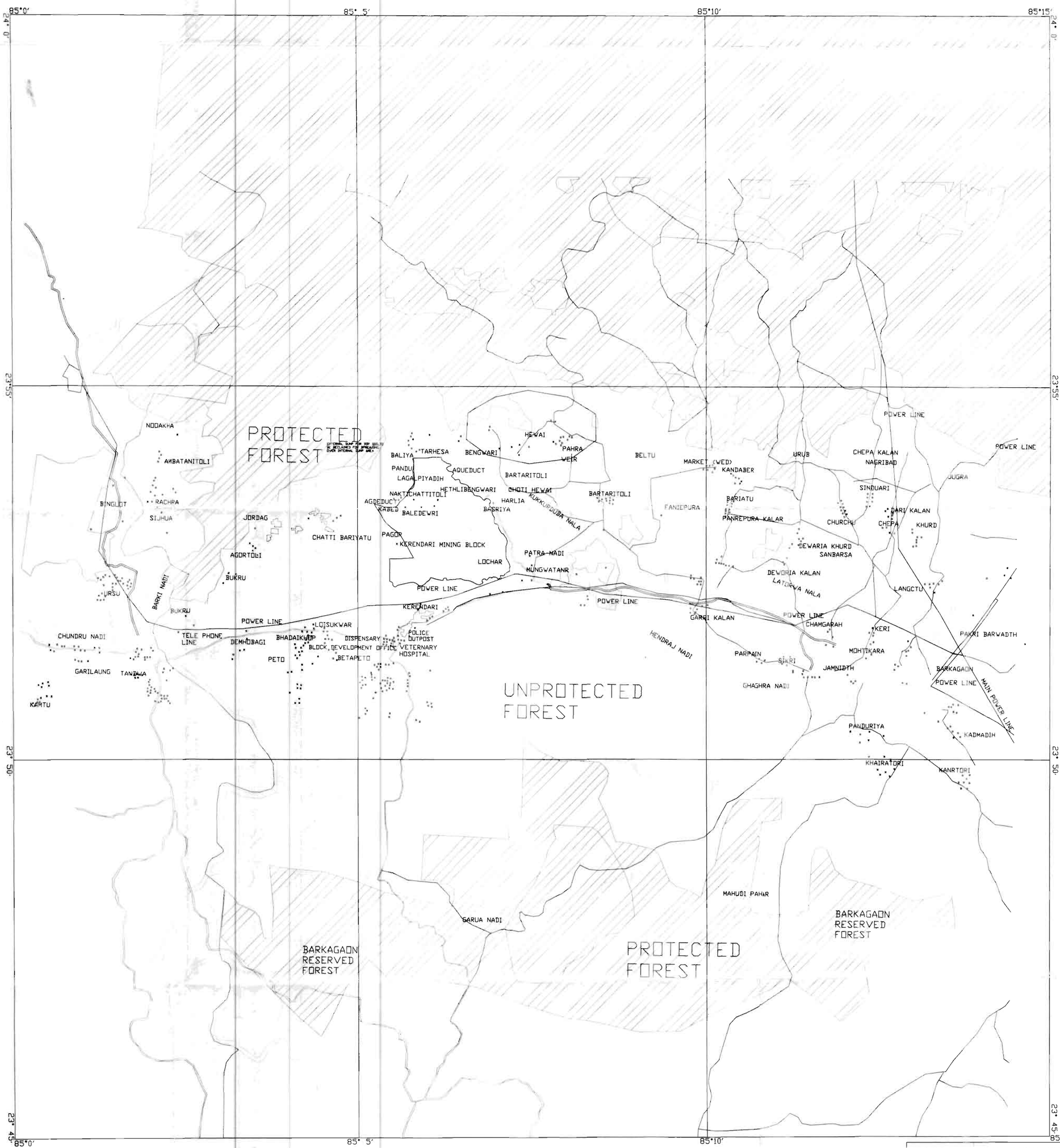
Line G-H — The line starts from point "G" on the southern boundary on village Locher (Village no. 23) moves along the southern boundaries of village locher (Village no. 23) and village Pagar (Village no. 19) & ends at point " H" on southern corner of village Pagar .

Line H-I — The line starts from point "H" on southern corner of village Pagar passes through the points "H1", "H2", "H3", "H4", near the southern boundary of the village Pagar moves northwards up to point "H5" in the said village further moves eastwards up to point "H6" in the said village , then moves in the north-west direction meeting at point "I" near the south – west corner of the village Kabed (village no 20) .

Line I-J — The line starts from point " I" the south – west corner of village Kabed (village no 20) passes through village Pagar (village no. 19) & ends at point "J" near the eastern boundary of the Village Pagar.

Line J-K-A — The line starts from point "J" near the eastern boundary of the Village Pagar (Village no.19) passes through the north –west corner of village Kabed (village no. 20) Further moves towards north passing through the western part of village Pandu (village no.11) and finally ends at point "A" at the North –west corner of village Pandu (village no.11).

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Digitally signed by PARIMAL PIYUSH
Date: 2025.06.25 14:23:24 IST
Reason: AGM(Commercial)
Location: NTPC Limited



LEGEND

- BLOCK BOUNDARY
- TOWN OR VILLAGE, HUTS
- ROAD METALLED, UNMETALLED
- CART TRACK
- RIVER, CANAL, STREAM
- BOUNDARY SUBDIVN TAHSIL
- FOREST PROTEDTED, UNPROTECTED
- POWER LINE, TELEPHONE LINE

PLATE NO. 1

PROJECT	KERENDARI 'A' COAL PROJECT				
SUBJECT	LOCATION PLAN				
CLIENT	M/S NTPC LTD.				
CONSULTANT	ACMM LTD IN COLLABORATION WITH EXPERTS FROM SRG SERVICES				
DRAWING DETAILS	SCALE 1:50000	Drawing No. NTPC/ACMM/KRD/1	Checked By: K.K. CHAUDHURI	Drawn By: S. GAIN	DATE NOV '07

P.K. BANERJEE
Recognised Qualified Person
No.- 34011/(30)/2006-CPAM
Ministry of Coal, Govt. of India

Signature Not Verified
Digitally signed by PARIMAL PIYUSH
Date: 2025.06.06 14:23:24 IST
Reason: AGM(Commercial)
Location: NTPC Limited

वी. एस. राणा/V. S. RANA
अवर सचिव/UNDER SECRETARY
कोयला मंत्रालय/MINISTRY OF COAL
भारत सरकार/GOVT. OF INDIA
नई दिल्ली/NEW DELHI



LEGEND

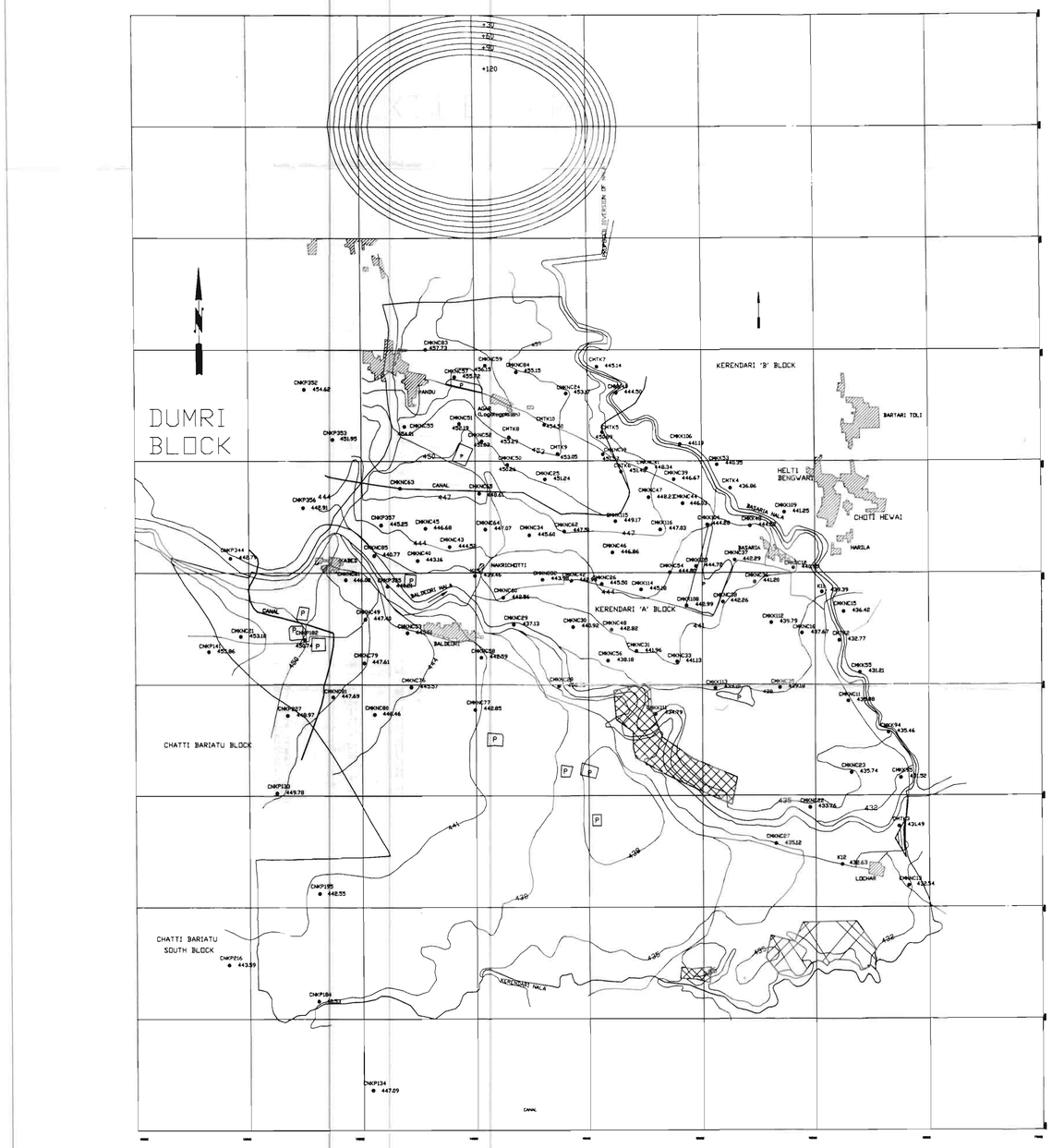
- BLOCK BOUNDARY
- TOWN OR VILLAGE, HUTS
- ROAD METALLED, UNMETALLED
- CART TRACK
- RIVER,CANAL,STREAM
- BOUNDARY SUBDIVN TAHSIL
- FOREST PROTEDTED, UNPROTECTED
- POWER LINE, TELEPHONE LINE

PLATE NO. 2

PROJECT	KERENDARI 'A' COAL PROJECT
SUBJECT	KEY PLAN
CLIENT	M/S NTPC LTD.
CONSULTANT	ACMM LTD IN COLLABORATION WITH EXPERTS FROM SRG SERVICES
DRAWING DETAILS	SCALE 1:50000 · Drawing No. NTPC/ACMM/KRD/2 · Checked By K.K. CHAUDHURI · Drawn By S.GAIN · DATE NOV '07

P.K. BANERJEE
Recognised Qualified Person
No. - 34011(3C)/2006-CPAM
Ministry of Coal, Govt. of India

Signature Not Verified
Digitally signed by PARIMAL PIYUSH
Date: 2025.06.26 14:23:24 IST
Reason: AGM(Commercial)
Location: NTPC Limited



LEGEND:

- BOREHOLE DRILLED BY BECL
- BOREHOLE DRILLED BY CMPDI
- REDUCED LEVEL IN METERS
- PIEZO
- CANAL
- PROTECTED FOREST
- SURFACE CONTOUR IN METERS
- BLOCK BOUNDARY
- ROAD
- RIVER/NALA
- VILLAGE BOUNDARY
- BLOCK BOUNDARY

SCALE

P.K. BANERJEE
Recognised Qualified Person
No.- 3401I/(30)/2006-CPAM
Ministry of Coal, Govt. of India

PLATE NO. 3

PROJECT	KERENDARI 'A' COAL PROJECT				
SUBJECT	REVENUE PLAN SHOWING BLOCK BOUNDARY AND LAND USE				
CLIENT	M/S NTPC LTD.				
CONSULTANT	ACMM LTD IN COLLABORATION WITH EXPERTS FROM SRG SERVICES				
DRAWING DETAILS	SCALE 1::0000	Drawing No. NTPC/KCP/KERD/3	Checked By K.K. CHAUDHURI	Drawn By S. SARKAR	DATE NOV '07

Dr. (Mrs.) S. Hana
Asst. Administrative Officer (Legal)
Office of the Chief Law Officer
The Revenue Court of India
New Delhi

Signature Not Verified
Digitally signed by PARIMAL PIYUSH
Date: 2025.06.04 14:23:24 IST
Reason: AGM(Commercial)
Location: NTPC Limited

PROPOSED DIVERSION OF NALA

KERENDARI 'B' BLOCK

KERENDARI 'A' BLOCK

DUMRI BLOCK

CHATTI BARIATU BLOCK

CHATTI BARIATU SOUTH BLOCK

BARTARI TOLI

HELTI BENGWARI

CHOTI HEWAI

HARILA

LOCHAR

PANDU

AGAR (Logotoppradih)

KABEJ

NAKRICHOTTI

BALDEORI NALA

BASARIA NALA

KERENDARI NALA

CANAL

BALDEORI

CMKNC83 457.73
CMKNC59 456.15
CMKNC84 455.15
CMKNC57 455.72
CMKNC24 453.17
CMKK49 444.50
CMTK7 445.14
CNKP350 454.62
CMKNC51 452.19
CMKNC55 454.01
CMTK10 454.50
CMTK8 453.29
CMKNC52 451.03
CMTK5 450.99
CMKK106 441.19
CNKP353 451.95
CMTK9 453.05
CMKNC50 450.26
CMKNC10 451.57
CMKK53 440.35
CMTK6 451.48
CMKNC41 448.34
CMKNC39 446.67
CMKNC63
CANAL
CMKNC65 448.61
CMTK4 436.86
CMKNC47 448.23
CMKNC44 446.03
CNKP356 442.91
CMKK109 441.25
CMKK115 449.17
CMKK104 444.28
CMKK48 444.52
CMKK116 447.03
CNKP357 445.25
CMKNC45 446.68
CMKNC64 447.07
CMKNC34 445.60
CMKNC62 447.51
CMKNC43 444.52
CMKNC46 446.86
CMKNC37 442.29
CMKNC85 440.77
CMKNC40 443.16
CNKP344 442.79
CMKK105 444.72
CMKNC54 444.80
CMKNC12 440.95
CMKNC61 446.08
CNKP355 446.21
K15 439.46
CMKNC32 443.98
CMKNC42 442.98
CMKNC26 445.50
CMKK114 445.18
CMKNC36 441.20
CMKNC60 442.56
K11 439.39
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CMKK112 439.79
CMKNC16 437.67
CMTK2 432.77
CMKNC53 445.61
CMKNC31 453.18
CNKP182 450.74
CMKNC31 441.96
CMKNC56 438.18
CMKNC33 441.13
CMKK55 431.21
CNKP141 455.86
CMKNC58 442.59
CMKNC79 447.61
CMKNC76 445.57
CMKNC28 436.85
CMKK113 439.10
CMKNC35 439.18
CMKNC11 435.88
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CMKNC77 442.85
CMKK111 434.79
CMKK94 435.46
CNKP227 448.97
CMKNC80 446.46
CMKNC23 435.74
CMKK95 431.52
CNKP133 449.78
CMKNC22 433.76
CMTK3 431.49
CMKNC27 435.18
K12 432.63
CMKNC13 432.54
CNKP195 442.55
CNKP216 443.59
CNKP184 440.53
CNKP134 447.09

INDEX

- ⊕ K-12, ⊕ CMKK-115, ⊕ CMKNC-54, ⊕ CMTK-4, ⊕ CMKP-195 — BOREHOLE DRILLED BY CMPDI
- ⊕ K-12 — BOREHOLE DRILLED BY GSI
- 442.55 — REDUCED LEVEL IN METERS
- P — POND
- CANAL
- 444 — SURFACE CONTOUR IN METERS
- BLOCK BOUNDARY
- ROAD
- RIVER/NALA
- VILLAGE
- BLOCK BOUNDARY

SCALE 0km 100m 200m 300m 400m 500m

P.K. BANERJEE
Recognised Qualified Person
No.- 34011/(30)/2008-CPAM
Ministry of Coal, Govt. of India

PLATE NO. 4

PROJECT	KERENDARI 'A' COAL PROJECT				
SUBJECT	TOPOGRAPHICAL PLAN				
CLIENT	M/S NTPC LTD.				
CONSULTANT	ACMM LTD IN COLLABORATION WITH EXPERTS OF SRG SERVICES				
DRAWING DETAILS	SCALE 1:5000	Drawing No. NTPC/ACMM/KRD/4	Checked By	K.K. CHAUDHURI	DATE NOV '07
			Drawn By :	T. GHOSH	

Signature Not Verified
Digitally signed by PARIMAL PIYUSH
Date: 2025.06.04 14:23:24 IST
Reason: AGM(Commercial)
Location: NTPC Limited

I BOT
I MID
I TOP
II BOT
II TOP
III BOT
III TOP
IV BOT
IV TOP

DUMRI BLOCK

KERENDARI'B' BLOCK

PROPOSED DIVERSION OF NALA

BASARIA NALA

BARAKAR
BARREN MEASURES

CHATTI BARIATU BLOCK

PROVED

INDICATED

CHATTI BARIATU SOUTH BLOCK

KERENDARI NALA

RANIGANJ

13500E 14000E 14500E 15000E 15500E 16000E 16500E
7000N 6500N 6000N 5500N 5000N 4500N

INDEX

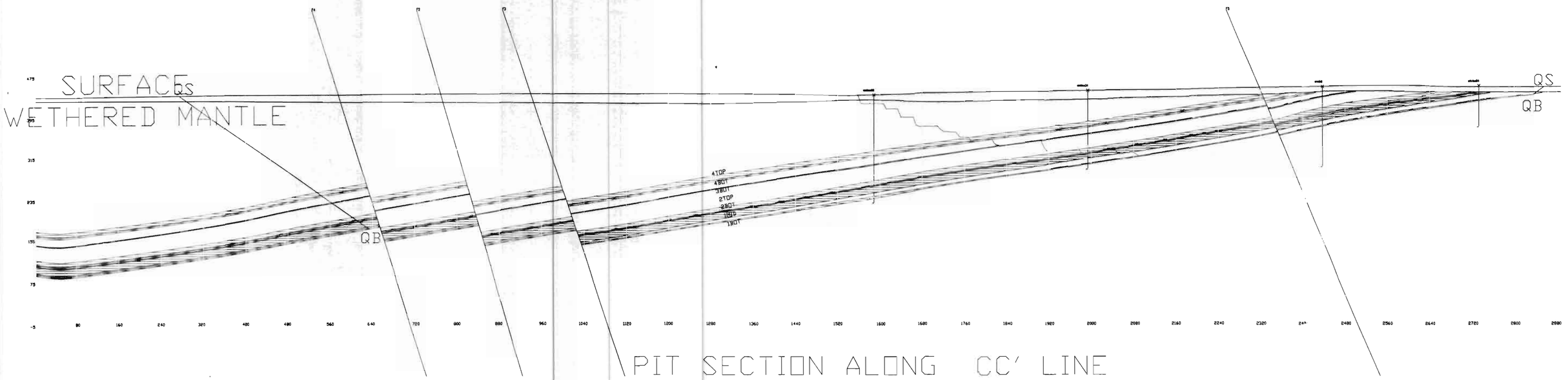
SECTION LINES	B B'
BORE HULE	cmknc46
INDICATION LINE	
FAULT	F4
BLOCK BOUNDARY	
SEAM INCROP	

Signature Not Verified
Digitally signed by PARIMAL PIYUSH
Date: 2025.06.24 14:23:24 IST
Reason: AGM(Commercial)
Location: NTPC Limited

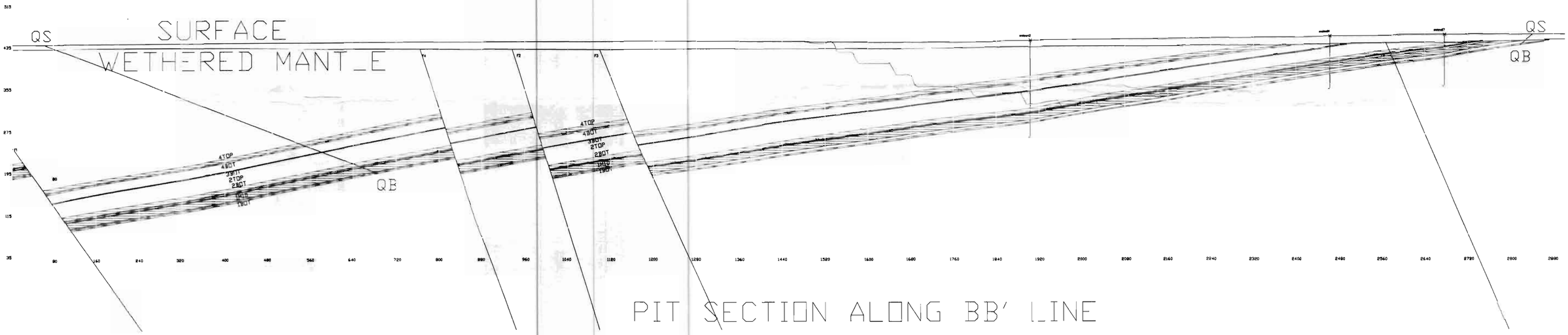
P.K. BANERJEE
Recognised Qualified Person
No.- 34011/(30)/2006-CPAM
Ministry of Coal, Govt. of India

PLATE NO. 5

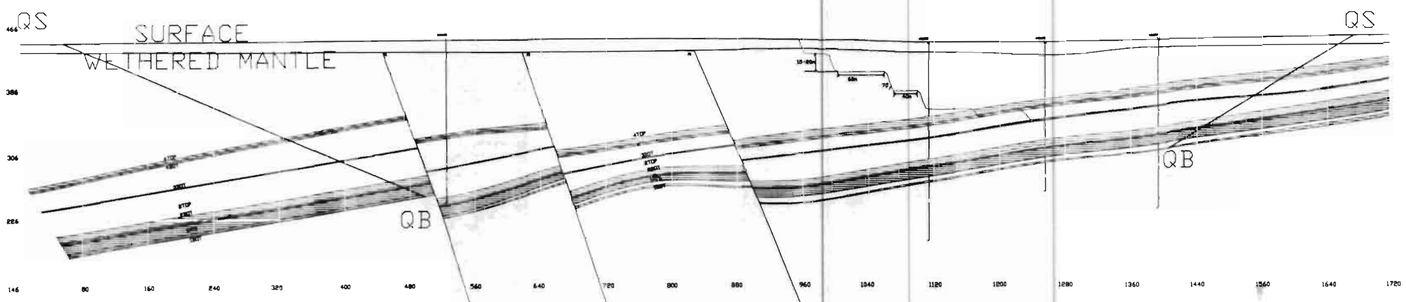
PROJECT	KERENDARI 'A' COAL PROJECT					
SUBJECT	GEOLOGICAL PLAN					
CLIENT	M/S NTPC LTD.					
CONSULTANT	ACMM LTD IN COLABORATION WITH EXPERTS OF SRG SERVICES					
DRAWING DETAILS	SCALE 1:5000	Drawing No. NTPC/ACMM /KRD/5	Checked By :	K.K. CHAUDHURI	DATE NOV '07	
			Drawn By :	T. GHOSH		



PIT SECTION ALONG CC' LINE



PIT SECTION ALONG BB' LINE



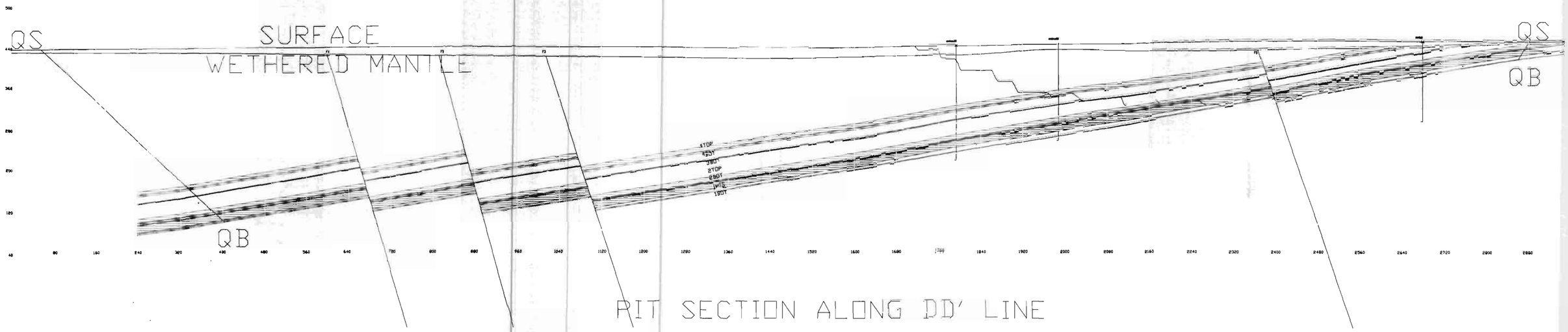
PIT SECTION ALONG AA' LINE

Signature Not Verified
Digitally signed by PARIMAL PIYUSH
Date: 2025.06.26 14:23:24 IST
Reason: AGM(Commercial)
Location: NTPC Limited

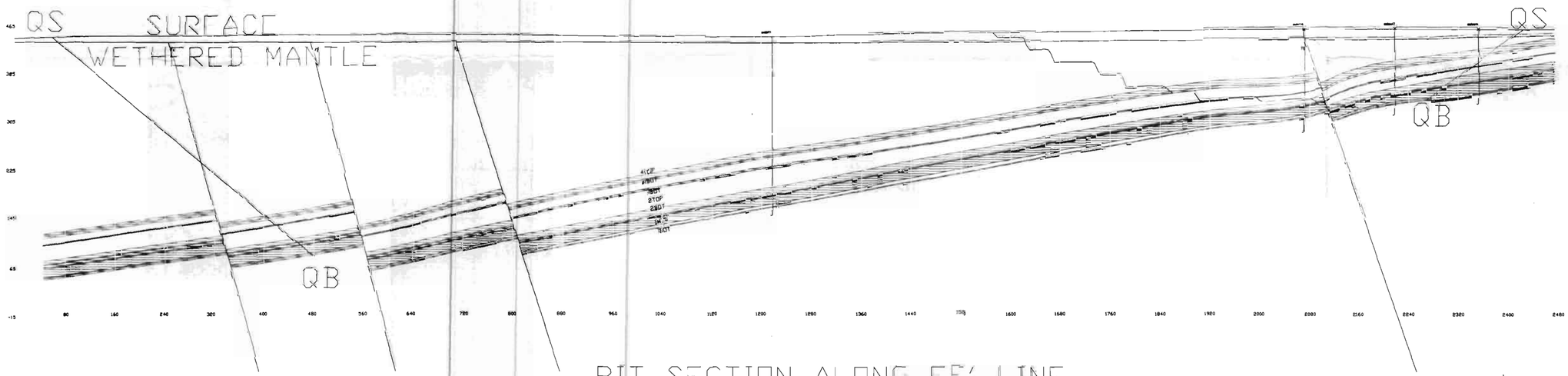
P.K. BANERJEE
Recognised Qualified Person
No.- 34011/(30)/2006-CPAM
Ministry of Coal, Govt. of India

PLATE NO.6A

PROJECT	KERENDARI 'A' COAL PROJECT			
SUBJECT	MINING CROSS SECTION AA', BB' AND CC' SHOWING MINING POSITION AT THE END OF 5TH YEAR			
CLIENT	M/S NTPC LTD.			
CONSULTANT	ACMM LTD IN COLLABORATION WITH EXPERTS FROM SRG SERVICES			
DRAWING DETAILS	SCALE 1:4000	Drawing No. NTPC/ACMM/KRD/6A	Checked By: K.K. CHAUDHURI Drawn By:	DATE NOV'07



PIT SECTION ALONG DD' LINE



PIT SECTION ALONG EE' LINE

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PLATE NO.6B

PROJECT	KERENDARI 'A' COAL PROJECT				
SUBJECT	MINING CROSS SECTION DD' AND EE' SHOWING MINING POSITION AT THE END OF 5TH YEAR				
CLIENT	M/S NTPC LTD.				
CONSULTANT	ACMM LTD IN COLLABORATION WITH EXPERTS FROM SRG SERVICES				
DRAWING DETAILS	SCALE 1:4000	Drawing No. NTPC/ACMM/KRD/6B	Checked by K.K. CHAUDHURI	Drawn by PIYUSH	DATE NOV '07

Signature Not Verified
Digitally signed by PARIMAL PIYUSH
Date: 2025.06.26 14:23:24 IST
Reason: AGM(Commercial)
Location: NTPC Limited

EXT.OB DUMP

+30
+60
+90
+120

PROPOSED DIVERSION OF NALA

SITE INFRASTRUCTURE

CHP
S/S
W/S
Offices
Store
coal stock yard

DUMRI BLOCK

CHATTI BARIATU BLOCK

CHATTI BARIATU SOUTH BLOCK

KERENDARI 'A' BLOCK

PANDU

AGAR (Lagatoggodih)

BARTARI TOLI

HELTI BENGWARI

CHOTI HEWAI

HARILA

BASARIA

LOCHAR

NAKRICHOTTI

KABEDI

CANAL

BALDEORI NALA

KERENDARI NALA

3 CONVEYORS

POWER LINE

3 CONVEYORS

Loading Bulb

Loading Point of MGR

CNKP352 454.62
CNKP353 451.95
CNKP356 448.91
CNKP357 445.25
CNKP344 448.79
CNKP335 446.61
CNKP182 450.74
CNKP141 453.86
CNKP133 449.78
CNKP195 442.55
CNKP216 443.59
CNKP184 [illegible]
CNKP134 447.09

CMKNC83 457.73
CMKNC59 456.15
CMKNC84 455.15
CMKNC57 455.42
CMKNC24 453.27
CMKNC55 454.01
CMKNC51 452.19
CMKNC52 453.89
CMKNC50 450.26
CMKNC25 451.24
CMKNC63
CMKNC35 448.61
CMKNC45 446.68
CMKNC64 447.07
CMKNC34 445.60
CMKNC62 447.51
CMKNC43 444.52
CMKNC85 440.77
CMKNC40 443.16
CMKNC82 446.01
CMKNC42 442.99
CMKNC26 445.50
CMKNC60 442.86
CMKNC49 447.40
CMKNC53 445.41
CMKNC21 453.18
CMKNC79 447.61
CMKNC76 445.57
CMKNC81 447.69
CMKNC80 446.46
CMKNC77 444.85
CMKNC29 437.13
CMKNC30 440.92
CMKNC48 442.82
CMKNC31 441.96
CMKNC56 438.18
CMKNC33 441.13
CMKNC28 436.85
CMKNC46 446.86
CMKNC54 444.80
CMKNC32 441.20
CMKNC15 436.42
CMKNC16 437.67
CMKNC35 439.18
CMKNC18 435.88
CMKNC23 435.74
CMKNC22 433.76
CMKNC27 435.12
CMKNC13 432.54

CMTK7 445.14
CMTK10 454.50
CMTK8 453.29
CMTK9 453.05
CMTK5 450.92
CMTK6 451.48
CMTK4 436.86
CMTK2 432.77
CMTK3 431.49

CMKK106 441.19
CMKK107 441.35
CMKK109 441.25
CMKK104 444.20
CMKK115 449.17
CMKK116 447.03
CMKK114 445.78
CMKK108 442.99
CMKK102 439.79
CMKK117 439.10
CMKK94 435.46
CMKK95 431.52
K12 432.63

CMKNC39 446.67
CMKNC47 448.23
CMKNC44 446.03

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SCALE

LEGEND

K-12	PIT BOUNDARY		ROAD
CMKK-115	BOREHOLE DRILLED BY GSI	444	SURFACE CONTOUR IN METERS
CMKNC-84			BLOCK BOUNDARY
CMTK-4	BOREHOLE DRILLED BY CMPDI		ROAD
CNKP-195			RIVER/NALA
442.55	REDUCED LEVEL IN METERS		VILLAGE
P	POND		BLOCK BOUNDARY
	CANAL		EXTERNAL O.B. DUMP
	EMBANKMENT		

PLATE NO. 7

PROJECT	KERENDARI 'A' COAL PROJECT			
SUBJECT	SURFACE MASTER PLAN			
CLIENT	M/S NTPC LTD.			
CONSULTANT	ACMM LTD IN COLLABORATION WITH EXPERTS FROM SRC SERVICES			
DRAWING DETAILS	SCALE 1:10000	Drawing No. NTPC/ACMM/KRD/01	Checked By: K.K. CHAUDHURI Drawn By: S.SARKAR	DATE NOV '07

बी. एस. राणा/V. S. RANA
अवर सचिव/UNDER SECRETARY
कोयला मंत्रालय/MINISTRY OF COAL
भारत सरकार/GOVT. OF INDIA
नई दिल्ली/NEW DELHI

Signature Not Verified
Digitally signed by PARIMAL PIYUSH
Date: 2025.06.20 14:23:24 IST
Reason: AGM(Commercial)
Location: NTPC Limited



EXCAVATION AND DUMP QUANTITIES

Coal(Mte)		OB(M.Cum)		Volume of Waste(M.Cum)	
yearwise	Cumulative	yearwise	Cumulative	Internal dump	External dump
2.00	2.00	5.49	5.49	Nil	5.49

LEGEND

- EXTERNAL DUMP
- BLOCK BOUNDARY
- No. & LOCATION OF BOREHOLES DRILLED BY CMPDI
- FLOOR CONTOURS IN METRES
- SURFACE CONTOURS IN METRES
- QUARRY BATTER
- HAUL ROAD
- NALA
- BENCH

00m 100m 200m 300m 400m 500m

P.K. BANERJEE
Recognised Qualified Person
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Ministry of Coal, Govt. of India

P.K.BANERJEE
RQP NO. 34011/(30)/2006-CPAM

PLATE NO. 8

PROJECT	KERENDARI 'A' COAL PROJECT
SUBJECT	INITIAL BOX CUT PLAN
CLIENT	M/S NTPC LTD.
CONSULTANT	ACMM LTD IN COLLABARATION WITH EXPERTS FROM SRG

DRAWING DETAILS	SCALE	Drawing No.	Checked By :	K.K. CHAUDHURI	DATE
	1:5000	NTPC/ACMM/KRD/8	Drawn By :	S.SAHAR	NOV '07

S. K. SINHA
UNDER SECRETARY
MINISTRY OF COAL
GOVT. OF INDIA
NEW DELHI

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Digitally signed by PARIMAL PIYUSH
Date: 2025.06.27 14:23:24 IST
Reason: AGM(Commercial)
Location: NTPC Limited



EXCAVATION AND DUMP QUANTITIES

Coal(Mte)		OB(M.Cum)		Volume of Waste(M.Cum)(Loose)	
yearwise	Cumulative	yearwise	Cumulative	Top Soil	External dump
2.00	2.00	8.44	8.44	0.20	8.24

LEGEND

- EXTERNAL DUMP
- BLOCK BOUNDARY
- No. & LOCATION OF BOREHOLES DRILLED BY CMPDI
- FLOOR CONTOURS IN METRES
- SURFACE CONTOURS IN METRES
- QUARRY BATTER
- HAUL ROAD
- NALA
- BENCH

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P.K.BANERJEE
RQP NO. 34011/(30)/2006-CPAM

PLATE NO.'9A'

PROJECT	KERENDARI 'A' COAL PROJECT
SUBJECT	MINE STAGE PLAN AT THE END OF 1ST YEAR OF MINE OPERATION
CLIENT	M/S NTPC LTD.
CONSULTANT	ACMM LTD IN COLLABARATION WITH EXPERTS FROM SRG
DRAWING DETAILS	SCALE 1:5000 Drawing No. NTPC/A.CMM/KRD/9A Checked By: K.K. CHATTERJEE Drawn By: S. SARKAR DATE NOV '07

Signature Not Verified
Digitally signed by NATIONAL INFORMATICS CENTRE
Date: 2005.06.14 23:24 IST
Reason: ACMM Enterprises
Location: NTPC Limited

EXT. OB DUMP
(100 Ha)

PROPOSED DIVERSION OF NALA

BASARIA NALA

AREA KEPT FOR TEMPORARY STORAGE OF TOP SOIL

N

0m 100m 200m 300m 400m 500m

EXCAVATION AND DUMP QUANTITIES

Coal(Mte)		OB(M.Cum)		Volume of Waste(M.Cum)	
yearwise	Cumulative	yearwise	Cumulative	Top Soil	External dump
4.00	6.00	12.9	21.34	.30	12.60

LEGEND

- EXTERNAL DUMP
- BLOCK BOUNDARY
- No. & LOCATION OF BOREHOLES DRILLED BY CMPDI (CMTK-4)
- FLOOR CONTOURS IN METRES
- SURFACE CONTOURS IN METRES
- QUARRY BATTER
- HAUL ROAD
- NALA
- BENCH

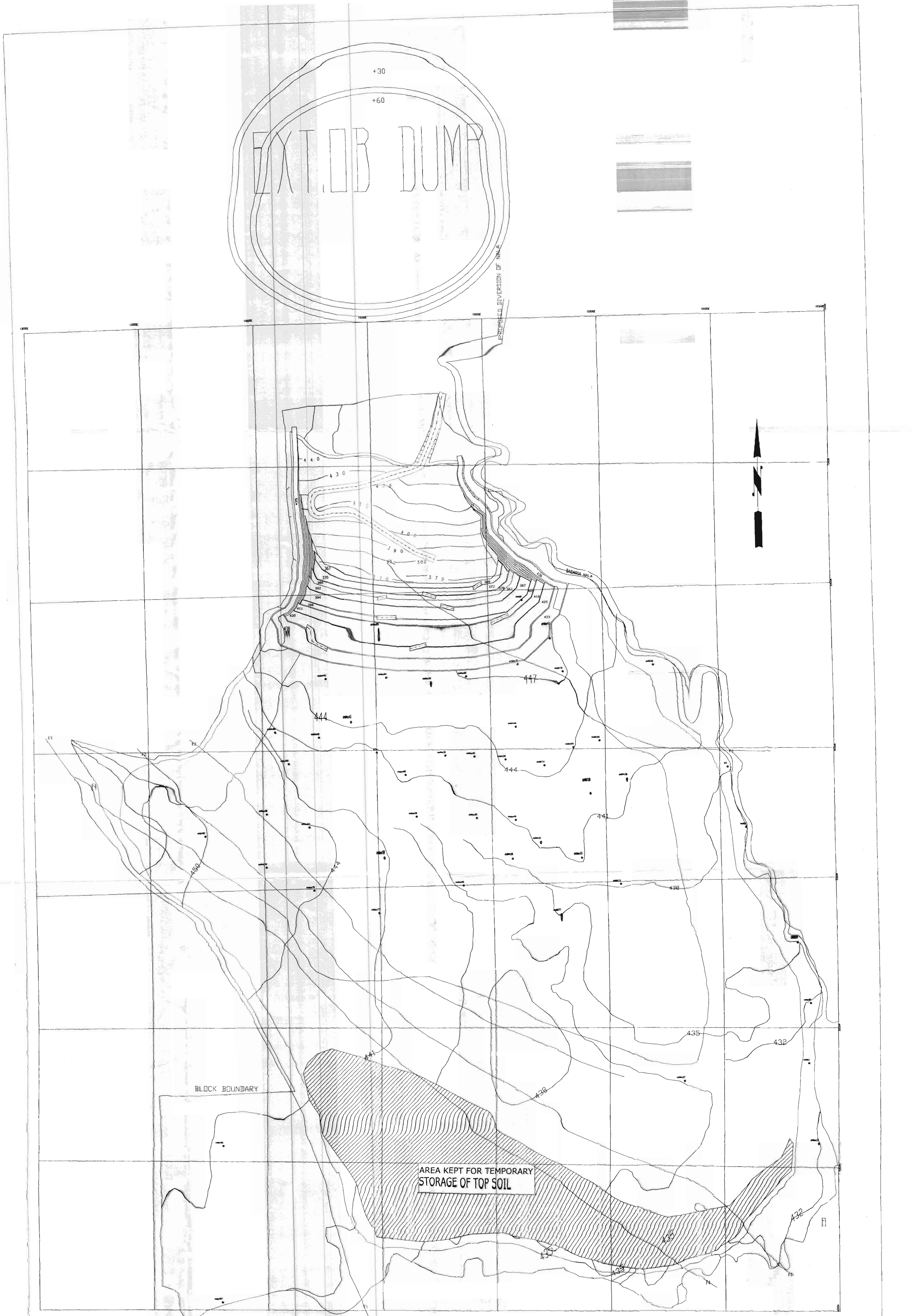
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RQP NO. 34011/(30)/2006-CPAM

PLATE NO. 9B

PROJECT	KERENDARI 'A' COAL PROJECT
SUBJECT	MINE STAGE PLAN AT THE END OF 2ND YEAR OF MINE OPERATION
CLIENT	M/S NTPC LTD.
CONSULTANT	ACMM LTD IN COLLABARATION WITH EXPERTS FROM SRG
DRAWING DETAILS	SCALE 1:5000 / Drawing No. NTPC/ACMM/KRD/9B / Checked By: K.K. CHAUDHURI / Drawn By: S.SARKAR / DATE NOV '07

Signature Not Verified
Digitally signed by HARIMAL PIYUSH
Date: 2025.06.27 14:23:24 IST
Reason: AGM(Commercial)
Location: NTPC Limited



EXCAVATION AND DUMP QUANTITIES

Coal(Mte)		OB(M.Cum)		Volume of Waste(M.Cum)	
yearwise	Cumulative	yearwise	Cumulative	Top Soil	External dump
6.00	12.00	19.33	40.67	0.46	18.87

LEGEND

- EXTERNAL DUMP
- BLOCK BOUNDARY
- No. & LOCATION OF BOREHOLES DRILLED BY CMPDI (CMTK-4)
- FLOOR CONTOURS IN METRES (440)
- SURFACE CONTOURS IN METRES (438)
- QUARRY BATTER
- HAUL ROAD
- NALA
- BENCH

0m 100m 200m 300m 400m 500m

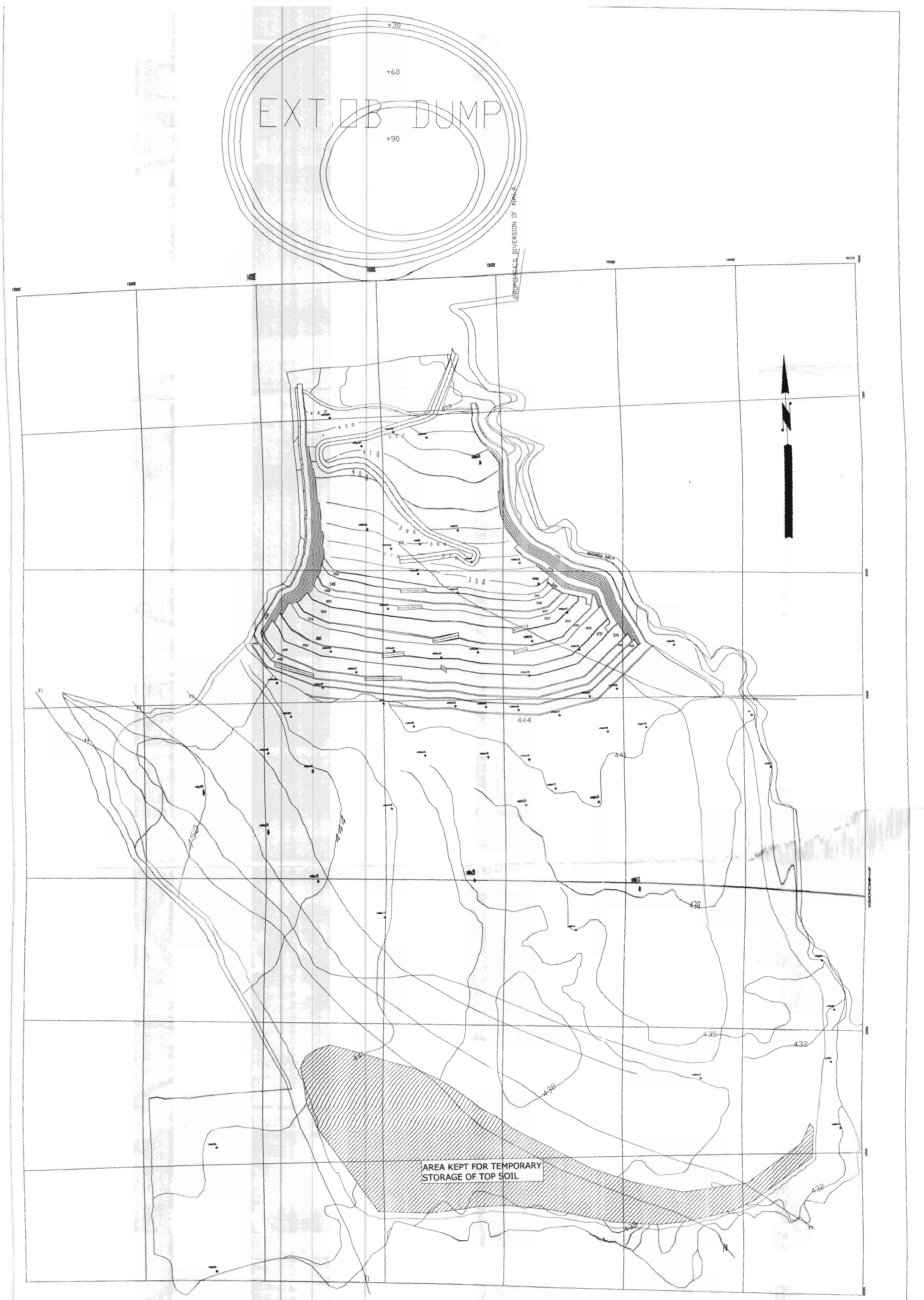
Signature Not Verified
Digitally signed by PARIMAL PIYUSH
Date: 2025.06.04 14:23:24 IST
Reason: AGM(Commercial)
Location: NTPC Limited

P.K. BANERJEE
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Ministry of Coal, Govt. of India

P.K.BANERJEE
RQP NO. 34011/(30)/2006-CPAM

PLATE NO. 9C

PROJECT	KERENDARI 'A' COAL PROJECT				
SUBJECT	MINE STAGE PLAN AT THE END OF 3RD YEAR OF MINE OPERATION				
CLIENT	M/S NTPC LTD.				
CONSULTANT	ACMM LTD IN COLLABARATION WITH EXPERTS FROM SRG				
DRAWING DETAILS	SCALE 1:5000	Drawing No. NTPC/ACMM/KRD/9C	Checked By :	K.K. CHAUDHURI	DATE NOV '07
			Drawn By :	S. SARKAR	



EXCAVATION AND DUMP QUANTITIES

Coal(Mte)		OB(M.Cum)		Volume of Waste(M.Cum)	
yearwise	Cumulative	yearwise	Cumulative	Top Soil	External dump
6.00	18.00	19.33	60	0.46	18.87

LEGEND

EXTERNAL DUMP

BLOCK BOUNDARY

No. & LOCATION OF BOREHOLES DRILLED BY CMPDI

FLOOR CONTOURS IN METRES

SURFACE CONTOURS IN METRES

QUARRY BATTER

HAUL ROAD

NALA

BENCH

0m 100m 200m 300m 400m 500m

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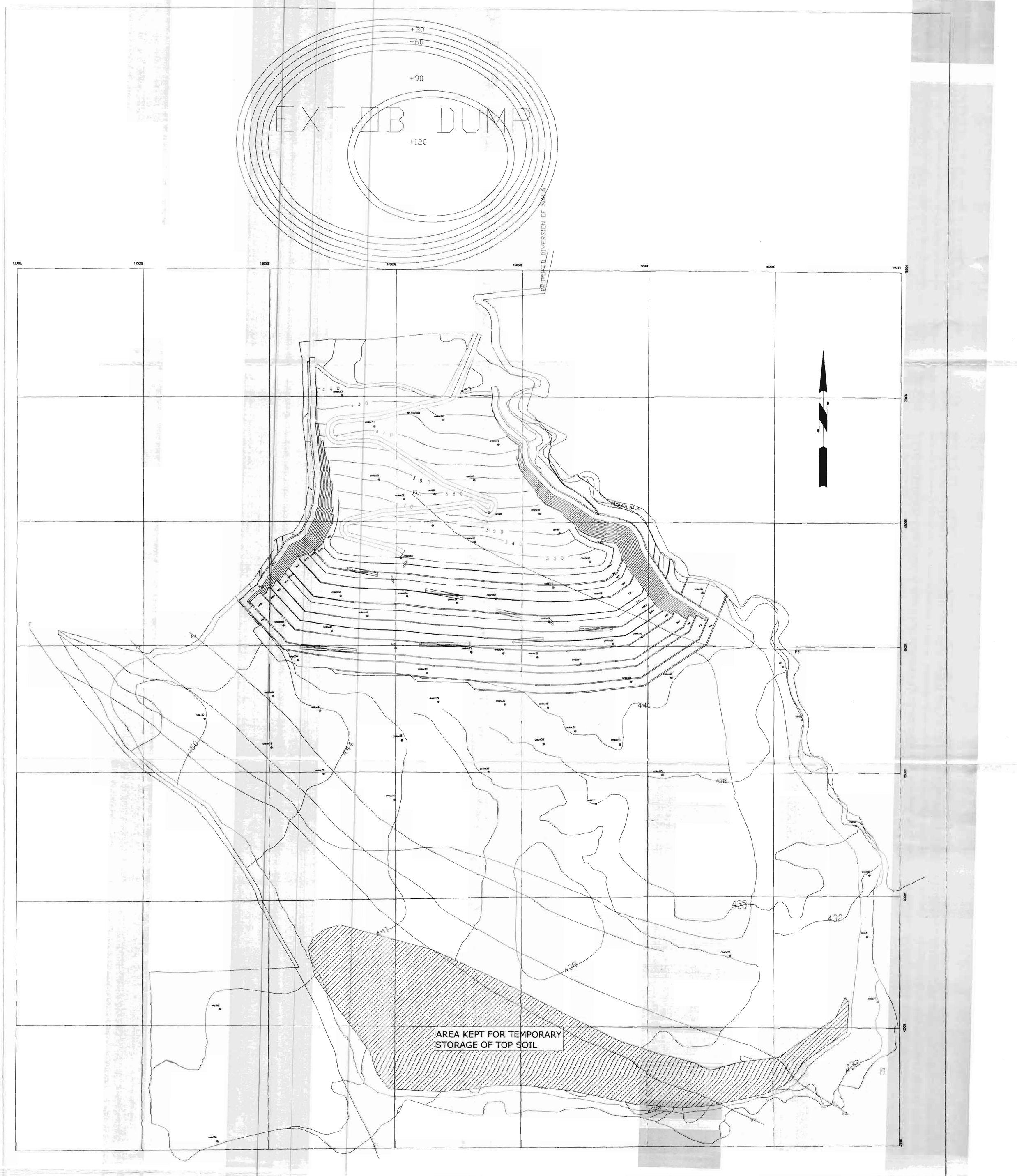
P.K.BANERJEE

RQP NO. 34011/(30)/2006-CPAM

PLATE NO. 9D

PROJECT	KERENDARI 'A' COAL PROJECT			
SUBJECT	MINE STAGE PLAN AT THE END OF 4TH YEAR OF MINE OPERATION			
CLIENT	M/S NTPC LTD.			
CONSULTANT	ACMM LTD IN COLLABARATION WITH EXPERTS FROM SRG			
DRAWING DETAILS	SCALE 1:5000	Drawing No. NTPC/ACMM/KRD/9D	Checked By : K.K. CHAUDHURI Drawn By : S. SARKAR	DATE NOV '07

Signature Not Verified
Digitally signed by PARIMAL PIYUSH
Date: 2025.06.26 14:23:24 IST
Reason: AGM(Commercial)
Location: NTPC Limited



EXCAVATION AND DUMP QUANTITIES

Coal(Mte)		OB(M.Cum)		Volume of Waste(M.Cum)	
yearwise	Cumulative	yearwise	Cumulative	Top Soil	Internal dump
6.00	24	21.10	81.10	0.50	20.6

LEGEND

- EXTERNAL DUMP
- BLOCK BOUNDARY
- No. & LOCATION OF BOREHOLES DRILLED BY CMPDI (CMTK-4)
- FLOOR CONTOURS IN METRES (440)
- SURFACE CONTOURS IN METRES (438)
- QUARRY BATTER
- HAUL ROAD
- NALA
- BENCH

0m 100m 200m 300m 400m 500m

P.K. BANERJEE
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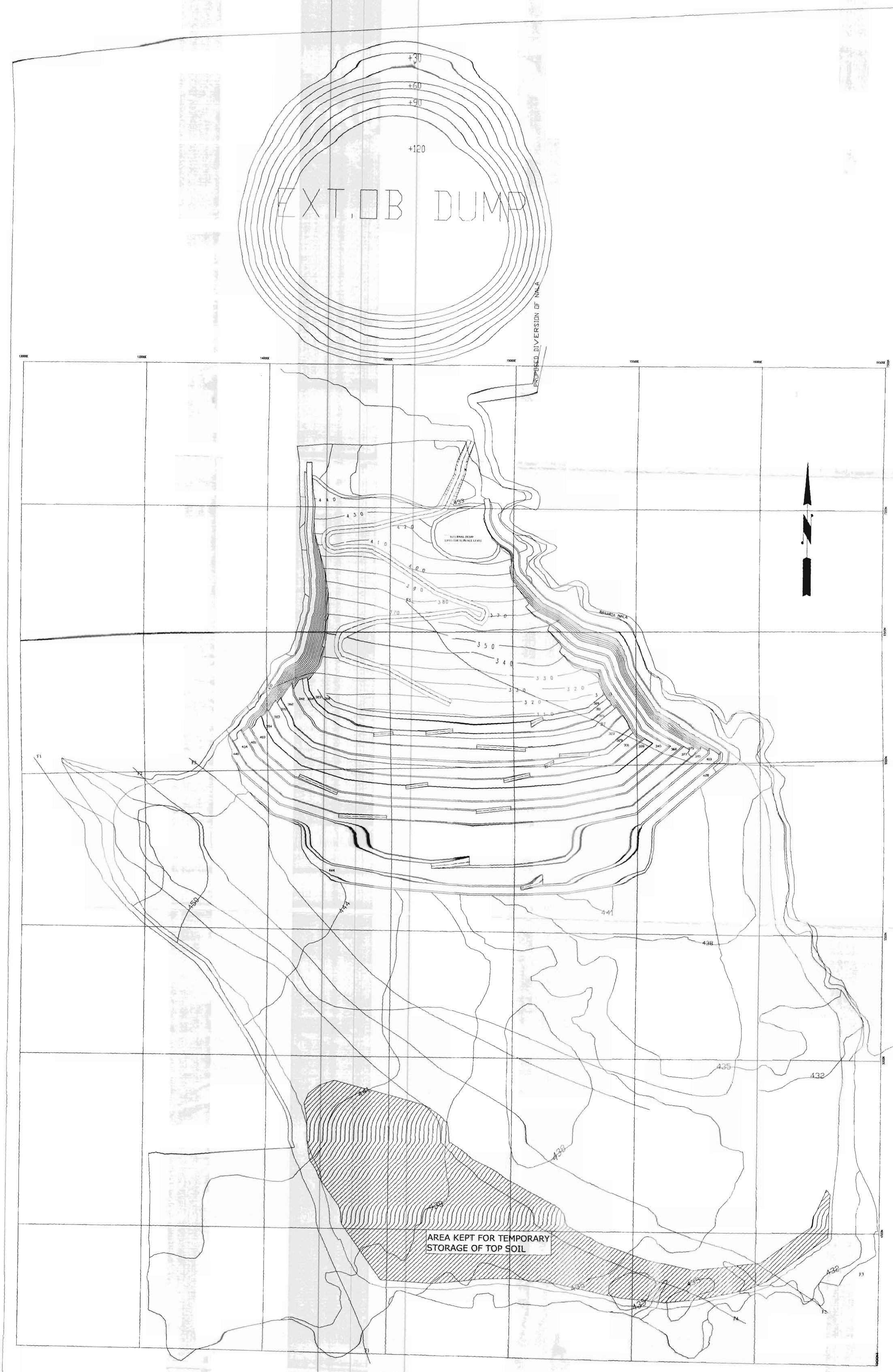
P.K.BANERJEE
RQP NO. 34011/(30)/2006-CPAM

M. S. RANA
UNDER SECRETARY
MINISTRY OF COAL
GOVT. OF INDIA
NEW DELHI

PLATE NO. 9E

PROJECT	KERENDARI 'A' COAL PROJECT				
SUBJECT	MINE STAGE PLAN AT THE END OF 5TH YEAR OF MINE OPERATION				
CLIENT	M/S NTPC LTD.				
CONSULTANT	ACMM LTD IN COLLABARATION WITH EXPERTS FROM SRG				
DRAWING DETAILS	SCALE 1:5000	Drawing No. NTPC/ACMM/KRD/9E	Checked By :	K.K. CHAUDHURI	DATE NOV '07
			Drawn By :	S. SARKAR	

Signature Not Verified
Digitally signed by PARIMAL PIYUSH
Date: 2025.06.24 14:23:24 IST
Reason: AGM(Commercial)
Location: NTPC Limited



EXCAVATION AND DUMP QUANTITIES

Coal(Mte)		OB(M.Cum)		Volume of Waste(M.Cum)		
yearwise	Cumulative	yearwise	Cumulative	Top Soil	Internal dump	ExternalDump
6.00	18.00	34.89	94.89	0.46	3.87	30.21

LEGEND

- EXTERNAL DUMP
- BLOCK BOUNDARY
- No. & LOCATION OF BOREHOLES DRILLED BY CMPDI
- FLOOR CONTOURS IN METRES
- SURFACE CONTOURS IN METRES
- QUARRY BATTER
- HAUL ROAD
- NALA
- BENCH

0m 100m 200m 300m 400m 500m

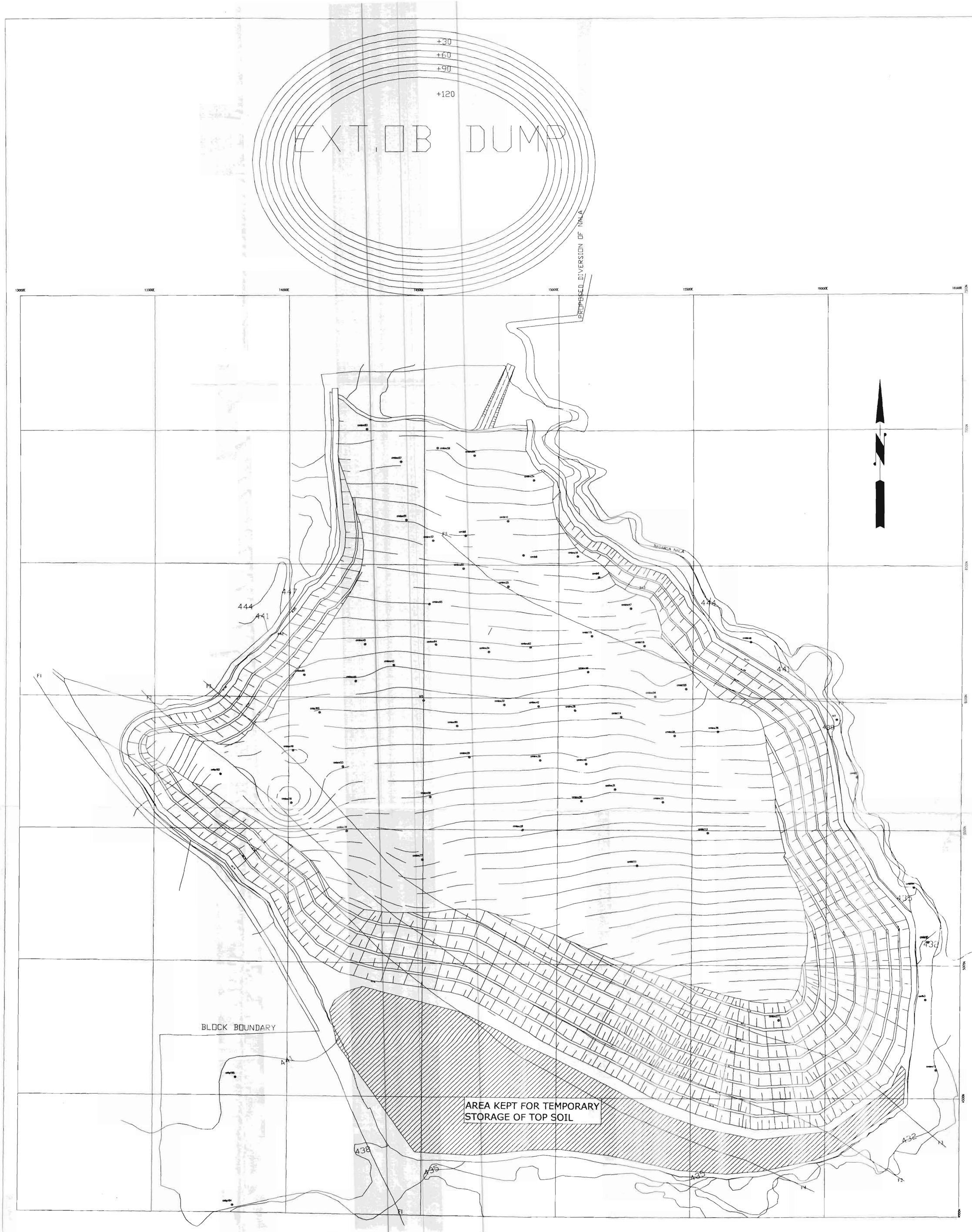
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RQP NO. 34011/(30)/2006-CPAM

PLATE NO. 9F

PROJECT	KERENDARI 'A' COAL PROJECT				
SUBJECT	MINE STAGE PLAN AT THE END OF 6TH YEAR OF MINE OPERATION (SECTOR A COMPLETED)				
CLIENT	M/S NTPC LTD.				
CONSULTANT	ACMM LTD IN COLLABARATION WITH EXPERTS FROM SRG				
DRAWING DETAILS	SCALE 1:5000	Drawing No. NTPC/ACMM/KRD/9F	Checked By :	K.K. CHAUDHURI	DATE NOV '07
			Drawn By :	S. SARKAR	

Signature Not Verified
Digitally signed by PARIMAL PIYUSH
Date: 2025.06.06 14:23:24 IST
Reason: AGM(Commercial)
Location: NTPC Limited



EXCAVATION AND DUMP QUANTITIES

Coal(Mte)		OB(M.Cum)		Volume of Waste(M.Cum)	
yearwise	Cumulative	yearwise	Cumulative	Top Soil	Internal dump
6.00	142.01	7.41	807.59	0.17	7.24

LEGEND

- EXTERNAL DUMP
- BLOCK BOUNDARY
- No. & LOCATION OF BOREHOLES DRILLED BY CMPDI (CMTK-4)
- FLOOR CONTOURS IN METRES (440)
- SURFACE CONTOURS IN METRES (438)
- QUARRY BATTER
- HAUL ROAD
- NALA
- BENCH

0m 100m 200m 300m 400m 500m

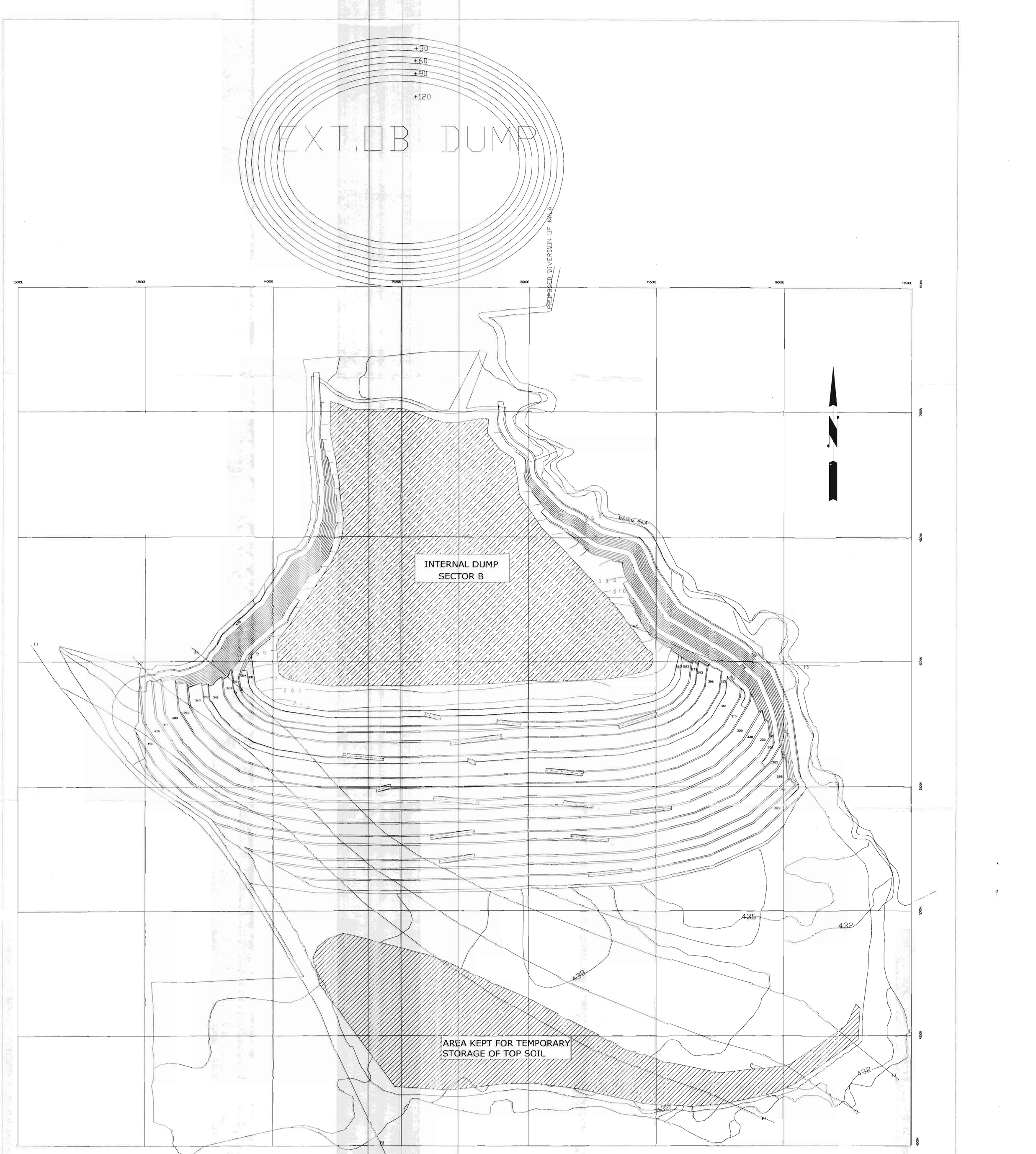
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No. - 34011/(30)/2006-CPAM
Ministry of Coal, Govt. of India

P.K.BANERJEE
RQP NO. 34011/(30)/2006-CPAM

PLATE NO. 9G

PROJECT	KERENDARI 'A' COAL PROJECT				
SUBJECT	MINE STAGE PLAN AT THE END OF 25TH YEAR OF MINE OPERATION				
CLIENT	M/S NTPC LTD.				
CONSULTANT	ACMM LTD IN COLLABARATION WITH EXPERTS FROM SRG				
DRAWING DETAILS	SCALE 1:5000	Drawing No. NTPC/ACMM/KRD/9G	Checked By :	K.K. CHAUDHURI	DATE NOV '07
			Drawn By :	S. SARKAR	

Signature Not Verified
Digitally signed by SARIMAL PIYUSH
Date: 2025.06.26 14:23:24 IST
Reason: AGM(Commercial)
Location: NTPC Limited



EXCAVATION AND DUMP QUANTITIES

Coal(Mte)		OB(M.Cum)		Volume of Waste(M.Cum)		
yearwise	Cumulative	yearwise	Cumulative	Top Soil	Internal dump	ExternalDump
6.00	66	39.84	331.7	0.93	38.91	Nil

LEGEND

- INTERNAL DUMP
- TOP SOIL DUMP
- EXTERNAL DUMP
- BLOCK BOUNDARY
- No. & LOCATION OF BOREHOLES DRILLED BY CMPDI
- FLOOR CONTOURS IN METRES
- SURFACE CONTOURS IN METRES
- QUARRY BATTER
- HAUL ROAD
- NALA
- BENCH

0m 100m 200m 300m 400m 500m

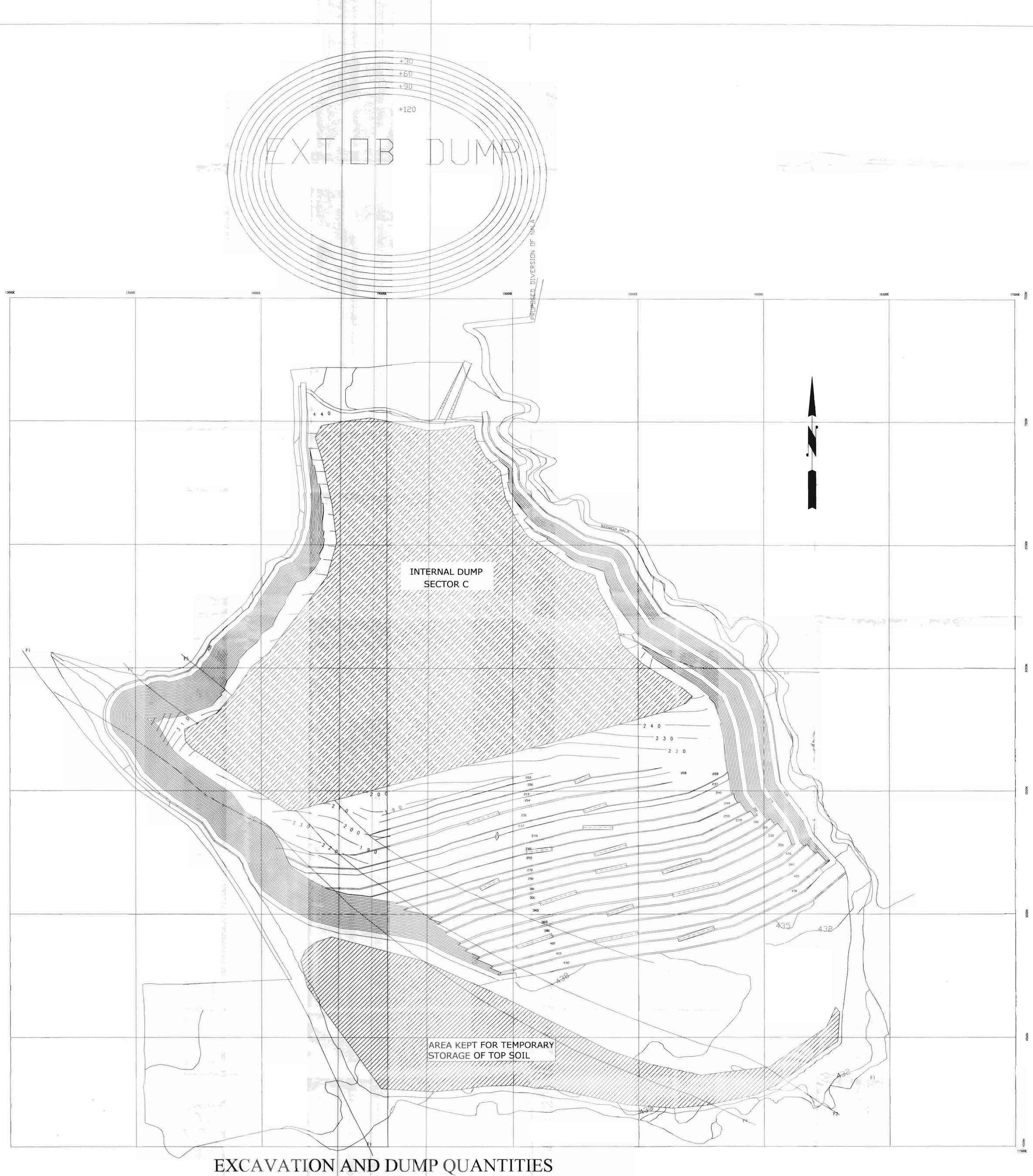
P.K. BANERJEE
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No.- 34011/(30)/2006-CPAM
Ministry of Coal, Govt. of India

P.K.BANERJEE
RQP NO. 34011/(30)/2006-CPAM

PLATE NO. 10A

PROJECT	KERENDARI 'A' COAL PROJECT
SUBJECT	SECTOR B PLAN
CLIENT	M/S NTPC LTD.
CONSULTANT	ACMM LTD IN COLLABARATION WITH EXPERTS FROM SRG
DRAWING DETAILS	SCALE 1:5000 · Drawing No. NTPC/ACMM/KRD/10A · Checked By : K.K. CHAUDHURI · Drawn By : S. SARKAR · DATE NOV '07

Signature Not Verified
Digitally signed by PARIMAL PIYUSH
Date: 2025.06.26 14:23:24 IST
Reason: AGM(Commercial)
Location: NTPC Limited



EXCAVATION AND DUMP QUANTITIES

Coal(Mte)		OB(M.Cum)		Volume of Waste(M.Cum)	
yearwise	Cumulative	yearwise	Cumulative	Top Soil	Internal dump
6.00	102	45.73	580.67	1.07	44.66

LEGEND

- INTERNAL DUMP
- TOP SOIL DUMP
- EXTERNAL DUMP
- BLOCK BOUNDARY
- No. & LOCATION OF BOREHOLES DRILLED BY CMPDI (CMTK-4)
- FLOOR CONTOURS IN METRES (440)
- SURFACE CONTOURS IN METRES (A38)
- QUARRY BATTER
- HAUL ROAD
- NALA
- BENCH

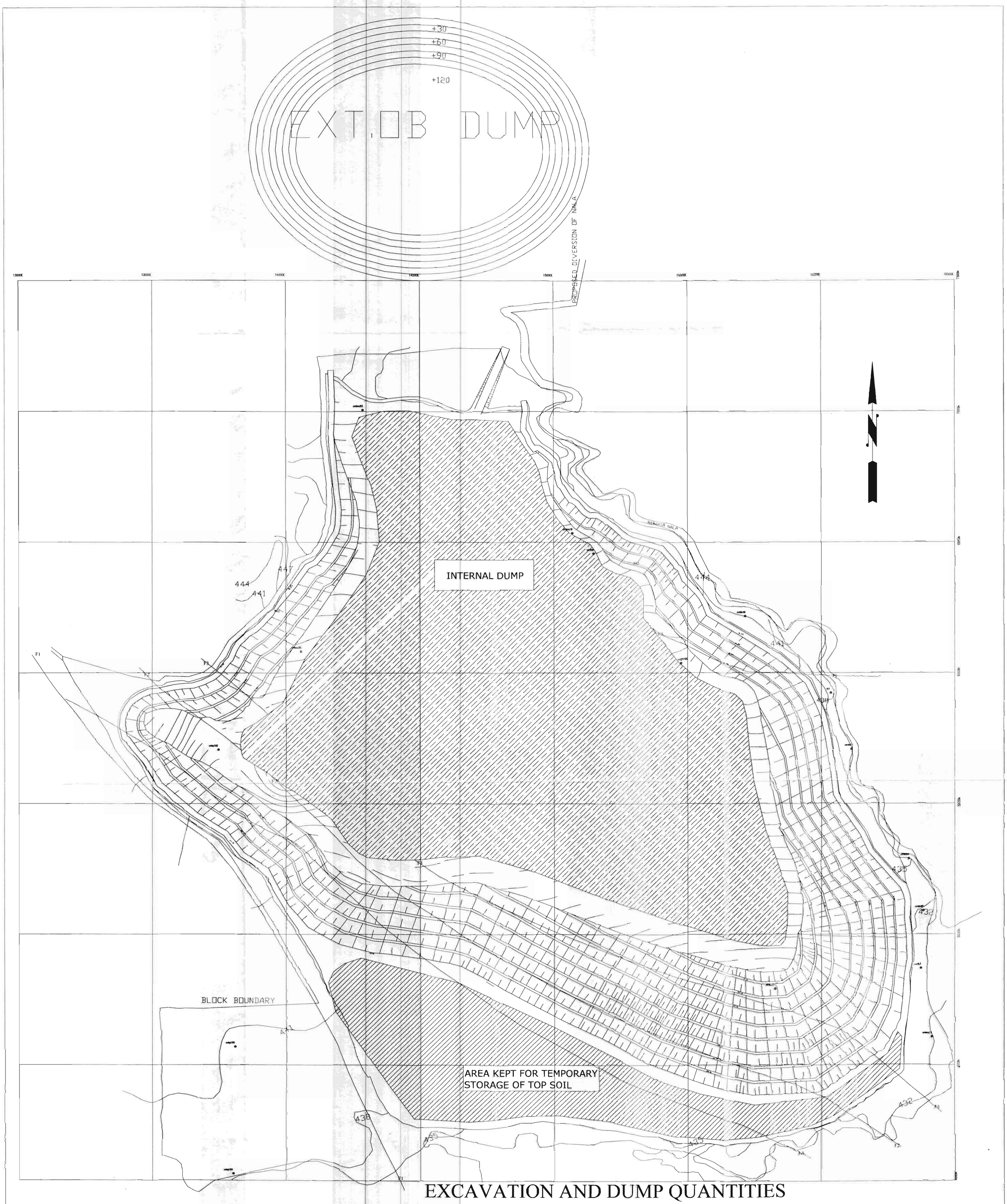
Signature Not Verified
Digitally signed by PARIMAL PIYUSH
Date: 2025.06.04 14:23:24 IST
Reason: AGM(Commercial)
Location: NTPC Limited

S. RANA
UNDER SECRETARY
MINISTRY OF COAL
GOVT OF INDIA
NEW DELHI

P.K.BANERJEE
RQP NO. 34011/(30)/2006-CPAM

PLATE NO. 10B

PROJECT	KERENDARI 'A' COAL PROJECT
SUBJECT	SECTOR C PLAN
CLIENT	M/S NTPC LTD.
CONSULTANT	ACMM LTD IN COLLABARATION WITH EXPERTS FROM SRG
DRAWING DETAILS	SCALE 1:5000 · Drawing No. NTPC/ACMM/KRD/10B · Checked By : K.K. CHAUDHURI · Drawn By : S. SARKAR · DATE NOV '07



EXCAVATION AND DUMP QUANTITIES

Coal(Mte)		OB(M.Cum)		Volume of Waste(M.Cum)	
yearwise	Cumulative	yearwise	Cumulative	Top Soil	Internal dump
6.00	142.01	7.41	187.87	0.17	7.24

LEGEND

- INTERNAL DUMP
- TOP SOIL DUMP
- EXTERNAL DUMP
- BLOCK BOUNDARY
- No. & LOCATION OF BOREHOLES DRILLED BY CMPDI (CMTK-4)
- FLOOR CONTOURS IN METRES (440)
- SURFACE CONTOURS IN METRES
- QUARRY BATTER
- HAUL ROAD
- NALA
- BENCH

0m 100m 200m 300m 400m 500m

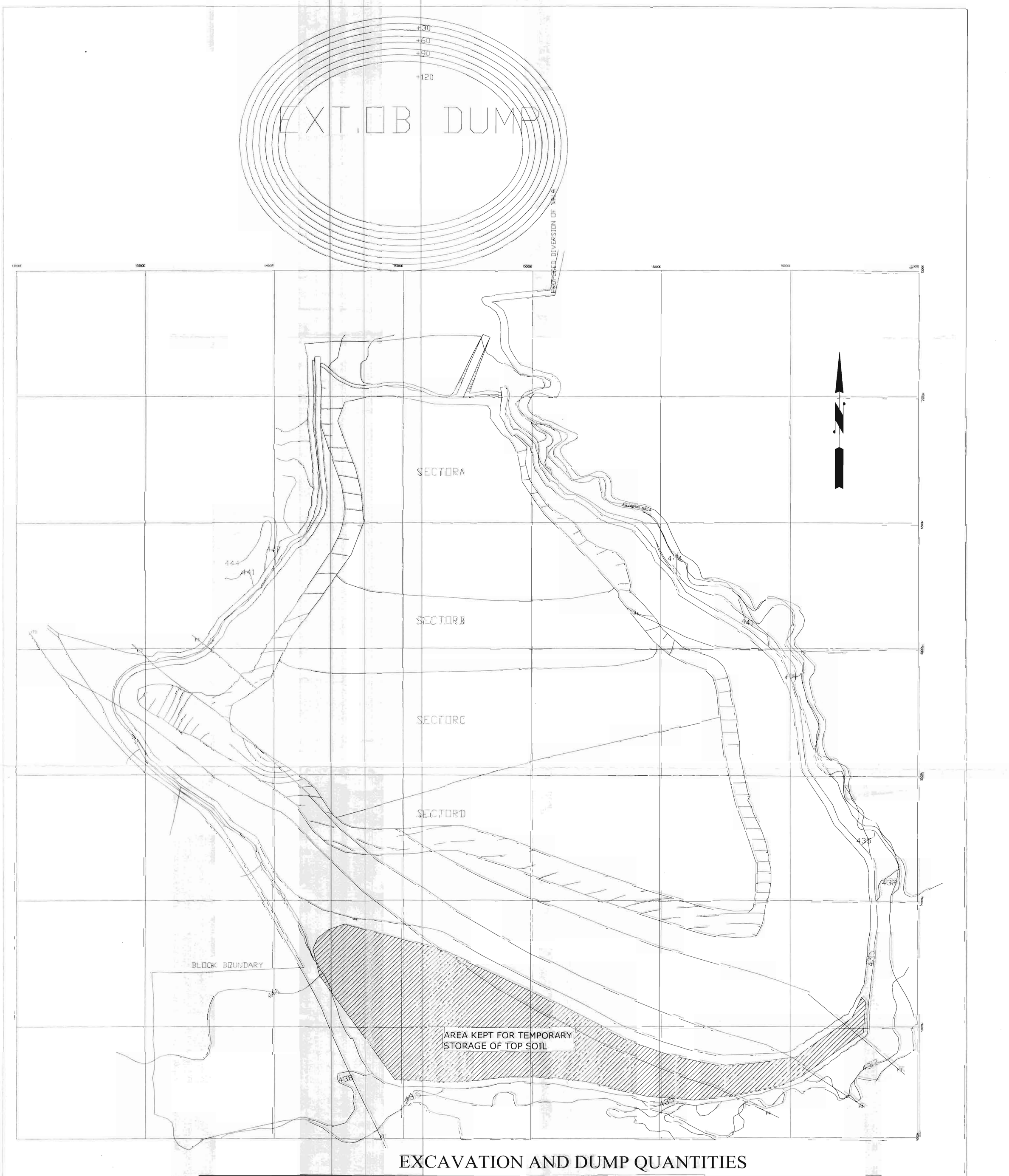
P.K. BANERJEE
Recognised Qualified Person
No.- 34011/(30)/2006-CPAM
Ministry of Coal, Govt. of India

P.K.BANERJEE
RQP NO. 34011/(30)/2006-CPAM

PLATE NO. 10C

PROJECT	KERENDARI 'A' COAL PROJECT
SUBJECT	SECTOR D PLAN
CLIENT	M/S NTPC LTD.
CONSULTANT	ACMM LTD IN COLLABARATION WITH EXPERTS FROM SRG
DRAWING DETAILS	SCALE 1:5000 · Drawing No. NTPC/ACMM/KRD/10C · Checked By: K.K. CHAUDHURI · Drawn By: S.SARKAR · DATE NOV '07

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Date: 2025.06.24 14:23:24 IST
Reason: AGM (Commercial)
Location: NTPC Limited



EXCAVATION AND DUMP QUANTITIES

Coal(Mte)		OB(M.Cum)		Volume of Waste(M.Cum)	
yearwise	Cumulative	yearwise	Cumulative	Top Soil	Internal dump
6.00	142.01	7.41	807.59	0.17	7.24

LEGEND

- INTERNAL DUMP
- TOP SOIL DUMP
- EXTERNAL DUMP
- BLOCK BOUNDARY
- No. & LOCATION OF BOREHOLES DRILLED BY CMPDI
- FLOOR CONTOURS IN METRES
- SURFACE CONTOURS IN METRES
- QUARRY BATTER
- HAUL ROAD
- NALA
- BENCH

P K BANERJEE
Recognised Qualified Person
No. - 34 01/03/2006 - CPAM
Ministry of Coal, Govt. of India

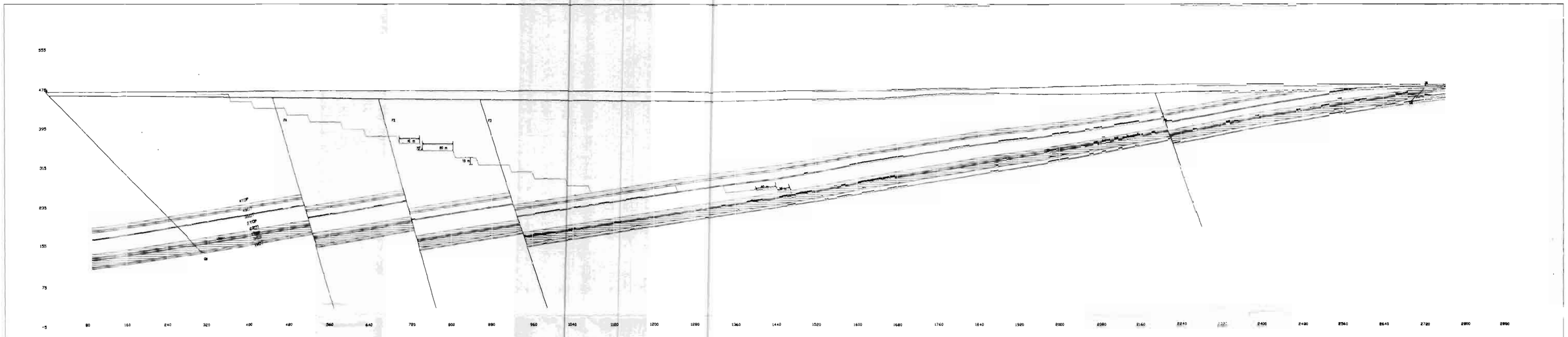
P.K.BANERJEE
RQP NO. 34011/(30)/2006-CPAM

वी. एस. राणा/V. S. RANA
अवर सचिव/UNDER SECRETARY
कोयला मंत्रालय/MINISTRY OF COAL
भारत सरकार/GOVT. OF INDIA
नई दिल्ली/NEW DELHI

PLATE NO. 10

PROJECT	KERENDARI 'A' COAL PROJECT
SUBJECT	SECTORISATION PLAN
CLIENT	M/S NTPC LTD.
CONSULTANT	ACMM LTD IN COLLABARATION WITH EXPERTS FROM SRG
DRAWING DETAILS	SCALE 1:5000 · Drawing No NTPC/ACMM/KRD/10 · Checked By: K.K. CHAUDHURI · Drawn By: S. SARKAR · DATE NOV '07

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Digitally signed by PARIMAL PIYUSH
Date: 2025.06.26 14:23:24 IST
Reason: AGM(Commercial)
Location: NTPC Limited



PIT SECTION ALONG CC' LINE

Seam 4top	Seam 4com
Seam 4bot	
Seam 3bot	
Seam 2top	
Seam 2bot	
Seam 1top	Seam 1 tmc
Seam 1mid	
Seam 1bot	
QS	QUARRY SURFACE
QB	QUARRY BOTTOM

00m 40m 80m 120m 160m 200m

P.K. BANERJEE
Recognised Qualified Person
No.- 34(11)(30)2006-CPAM
Ministry of Coal, Govt. of India

PLATE NO. 11

PROJECT	KERENDARI 'A' COAL PROJECT			
SUBJECT	MINING CROSS SECTION WITH MINING SYSTEM			
CLIENT	M/S NTPC LTD.			
CONSULTANT	ACMM LTD IN COLLABORATION WITH EXPERTS OF SRG SERVICES			
DRAWING DETAILS	SCALE 1:4000	Drawing No. NTPC ACMM/KRD/11	Checked by / Drawn by	DATE NOV '07

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Digitally signed by PARIMAL PIYUSH
Date: 2025.06.26 14:23:24 IST
Reason: AGM(Commercial)
Location: NTPC Limited

Code	Name	Distance from Core Zone	Direction
CA1	KERENDARI BLOCK	0 KM	-
BA1	MUNGWATANR	2.7 KM	SE
BA2	PF BOUNDARY	1.75 KM	N
BA3	KABED	1.8 KM	SW
NOISE			
BN1	KALPIYADIH		
BN1	(ERANDARI)		
BN2	PF BOUNDARY		
BN3	MUNGWATANR		
BN4	TANDWA		
BN5	SIRMA		
BN6	AGARTAL		
BN7	GARRI KALAN		
BN8	KABED		
BN9	JAMIRA		
WATER			
SW1	BHAGHRA NADI		
SW2	HENBRAJ NADI (PATRA NADI)		
SW3	GARHI NADI		
SW4	JORDAG DAM		
SW5	LAUBAG DAM		
GW1	SIRMA		
GW2	GARHI KALAN		
GW3	TANDWA		
GW4	SERANDAG		
GW5	SHAMDARHA		
GW6	PARPAIN		
GW7	KANDABER		
GW8	SONBARSA		
GW9	PAHRA		
GW10	JOKA		
SOIL			
CS1	CORE ZONE		
BS2	PAGAR		
TRAFFICE			
T1	NEAR TANDWA - KEREDARI ROAD		

SAMPLING STATIONS

CORE ZONE AIR SAMPLING STATIONS	CA
BUFFER ZONE AIR SAMPLING STATIONS	BA
TRAFFICE MONITORING STATIONS	T
CORE ZONE SOIL SAMPLING STATIONS	CS
BUFFER ZONE SOIL SAMPLING STATIONS	BS
GROUND WATER SAMPLING STATIONS	GW
SURFACE WATER SAMPLING STATIONS	SW
CORE ZONE NOISE SAMPLING STATIONS	CN
BUFFER ZONE NOISE SAMPLING STATIONS	BN

Legend

Sl No.	Particulars	Symbol
01	Surface contour / Surface contour	
02	Borehole no. with Surface RL	
03	Block/Leasehold Boundary	
04	Mine Boundary on Surface	
05	Mine Boundary on Floor	
06	Village	
07	Power Transmission Line	
08	Road	
09	River / Nallah	
10	Forest Boundary	
11	Floor Contour of Seam I Bottom	
12	Fault with throw	
13	Proposed Infrastructure	
14	Proposed Dump	
15	Trees	
16	Waterbody	
17	Habitations	

Signature Not Verified
Digitally signed by BARIMAL PIYUSH
Date: 2025.06.30 14:23:24 IST
Reason: AGM(Commercial)
Location: NTPC Limited

0 2 4 6 8 km
SCALE

P.K. BANERJEE
Recognised Qualified Person
No.- 3401/(30)/2006-CPAM
Ministry of Coal, Govt. of India

PLATE NO. 12

PROJECT	KERENDARI 'A' COAL PROJECT
SUBJECT	ENVIRONMENT MANAGEMENT PLAN
CLIENT	M/S NTPC LTD.
CONSULTANT	ACMM LTD IN COLLABORATION WITH EXPERTS FROM SRG SERVICES

DRAWING DETAILS	SCALE	Drawing No.	Checked by	Recommended	DATE
	1:35000	NTPC/ACMM/KRD/12	Drawn by	S.SARKAR	NOV '07



LEGEND

- EXTERNAL DUMP
- BLOCK BOUNDARY
- FLOOR CONTOURS IN METRES
- SURFACE CONTOURS IN METRES
- QUARRY BATTER
- NALA
- BENCH

बी. एस. राणा/V. S. RANA
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भारत सरकार/GOVT. OF INDIA
नई दिल्ली/NEW DELHI

PLATE NO.13

PROJECT	KERENDARI 'A' COAL PROJECT				
SUBJECT	DUMP PLAN				
CLIENT	M/S NTPC LTD.				
CONSULTANT	ACMM LTD IN COLLABARATION WITH EXPERTS FROM SRG				
DRAWING DETAILS	SCALE 1:10000	Drawing No. NTPC/ACMM/KRD/13	Checked By	K.K. CHAUDHURI	DATE NOV '07
			Drawn By	S. SARKAR	

Signature Not Verified
Digitally signed by PARIMAL PIYUSH
Date: 2025.06.20 14:23:24 IST
Reason: AGM(Commercial)
Location: NTPC Limited

EXT.OB DUMP

PROPOSED DIVERSION OF NALA

SITE INFRASTRUCTURE

CHP

S/S

W/S

Offices

Store

DUMRI BLOCK

KERENDARI 'B' BLOCK

BARTARI TOLI

HELTI BENGWARI

CHOTI HEWAI

HARILA

BASARIA NALA

CANAL

NAKRICHOTTI

KABEDIH VILLAGE

BALEDEOBIL VILLAGE

KERENDARI 'A' BLOCK

MINE INDUSTRIAL AREA

COAL TRANSPORTATION CORRIDOR

3 CONVEYORS

PAGAR CHATTI BARIATU BLOCK

PAGAR VILLAGE

CHATTI BARIATU VILLAGE

JORDAG VILLAGE

AGARTOLI VILLAGE

POND

TEMPLE

DISPENSARY

CHATTI BARIATU OCP

CHATTI BARIATU SOUTH BLOCK

CHATTI BARIATU SOUTH BLOCK

KERENDARI NALA

LOCHAR

K12

ACHRA BLOCK

Loading Point of MGR

Legend Chatti-Bariatu

Sl No.	Particulars	Symbol
01	Surface contour	
02	Borehole no. with surface RL	
03	Block Boundary	
04	Mine Boundary on Surface	
05	Mine Boundary on Floor	
06	Village	
07	Power Transmission Line	
08	Road	
09	River / Nallah	
10	Pond	
11	Forest Boundary	
12	Proposed Lease Hold Boundary	
13	Proposed Infrastructure	
14	Proposed Dump	

LEGEND KERANDARI 'A'

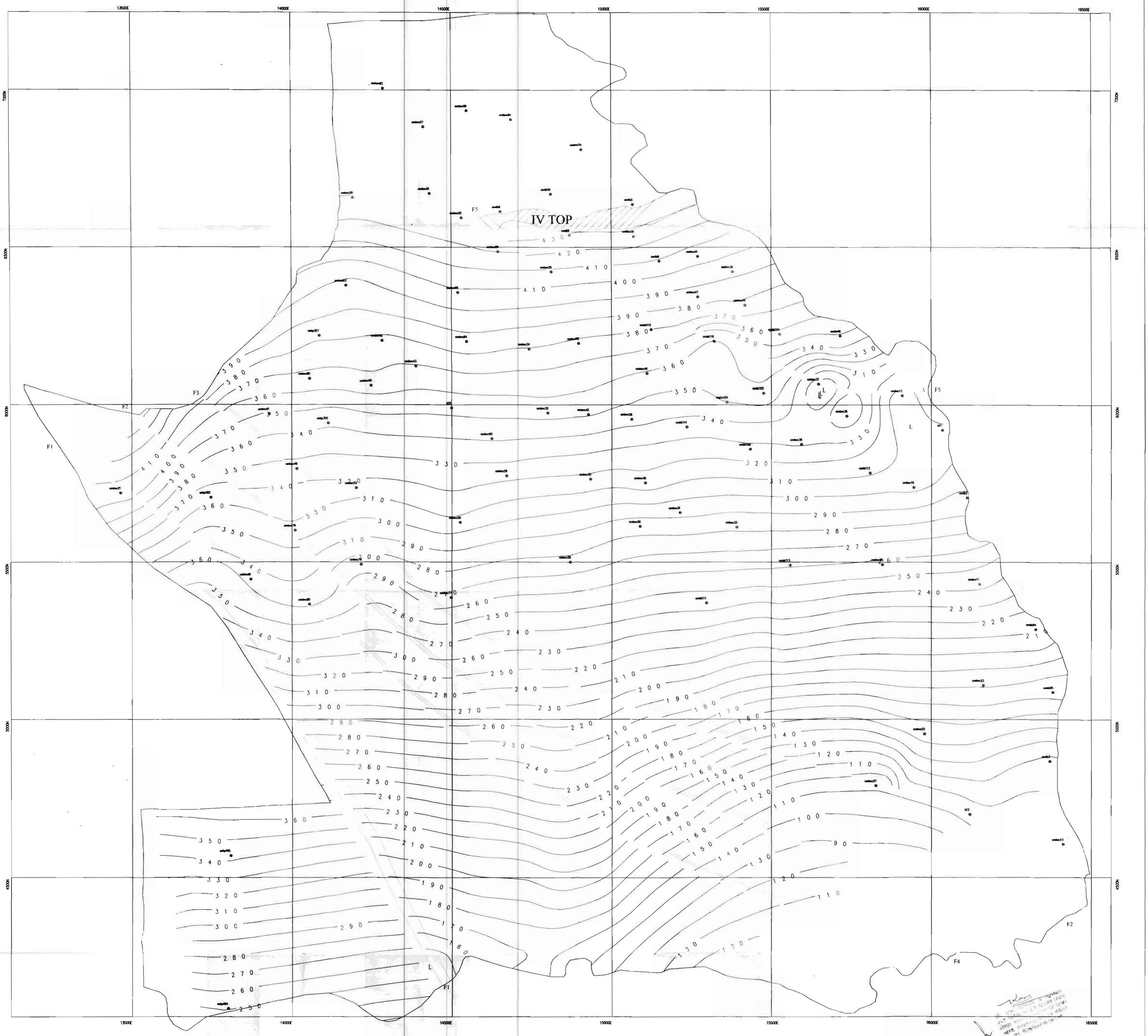
- K-12, CMKK-105, CMKNC-54, CMTK-4 — BOREHOLE DRILLED BY GSI
- CMKP-195 — BOREHOLE DRILLED BY CMPDI
- 442.55 — REDUCED LEVEL IN METERS
- P — POND
- CANAL
- 444 — SURFACE CONTOUR IN METERS
- BLOCK BOUNDARY
- ROAD
- RIVER/NALA
- VILLAGE
- BLOCK BOUNDARY

P.K. BANERJEE
Recognised Qualified Person
No.- 34011/(30)/2006-CPAM
Ministry of Coal, Govt. of India

PLATE NO. 14

PROJECT	CHATTI-BARIATU & KERANDARI 'A' COAL PROJECT		
SUBJECT	COMBINED SURFACE MASTER PLAN		
CLIENT	M/S NTPC LTD.		
CONSULTANT	ACMM LTD IN COLLABORATION WITH EXPERTS FROM SRG SERVICES		
DRAWING DETAILS	SCALE 1:10000	Drawing No. NTPC/CBL/KRD/14	DATE NOV '07

Signature Not Verified
Digitally signed by PARIMAL PIYUSH
Date: 2025.06.26 14:23:24 IST
Reason: AGM(Commercial)
Location: NTPC Limited



P.K. BANERJEE
Recognised Qualified Person
No.- 34011/(30)/2006-CPAM
Ministry of Coal, Govt. of India

PLATE NO. 15H

INDEX

BORE HOLE — cmknc46⊕

CONTOUR — 140

FAULT — F3

BLOCK BOUNDARY

SEAM INCROP — IVTOP

Signature Not Verified
Digitally signed by PARIMAL PIYUSH
Date: 2025.06.06 14:23:24 IST
Reason: AGM(Commercial)
Location: NTPC Limited

PROJECT	KERENDARI 'A' COAL PROJECT				
SUBJECT	FLOOR CONTOUR PLAN SEAM IVTOP				
CLIENT	M/S NTPC LTD.				
CONSULTANT	ACMM LTD IN COLLABORATION WITH EXPERTS FROM SRG SERVICES				
DRAWING DETAILS	SCALE 1:5000	Drawing No. NTPC/ACMM/KRD/15H	Checked By :	K.K. CHAUDHURI	DATE NOV '07
			Drawn By :	T. GHOSH	

13500E 14000E 14500E 15000E 15500E 16000E 16500E

7000N 6500N 6000N 5500N 5000N 4500N

IV BOT

IV COMB

F5

IV BOT/

IV BOT/

IV COMB

F3

F2

F1

F4

INDEX

BORE HOLE cmknc46

CONTOUR 140

FAULT F3

BLOCK BOUNDARY

SEAM INCROP IV BOT/IVCOMB

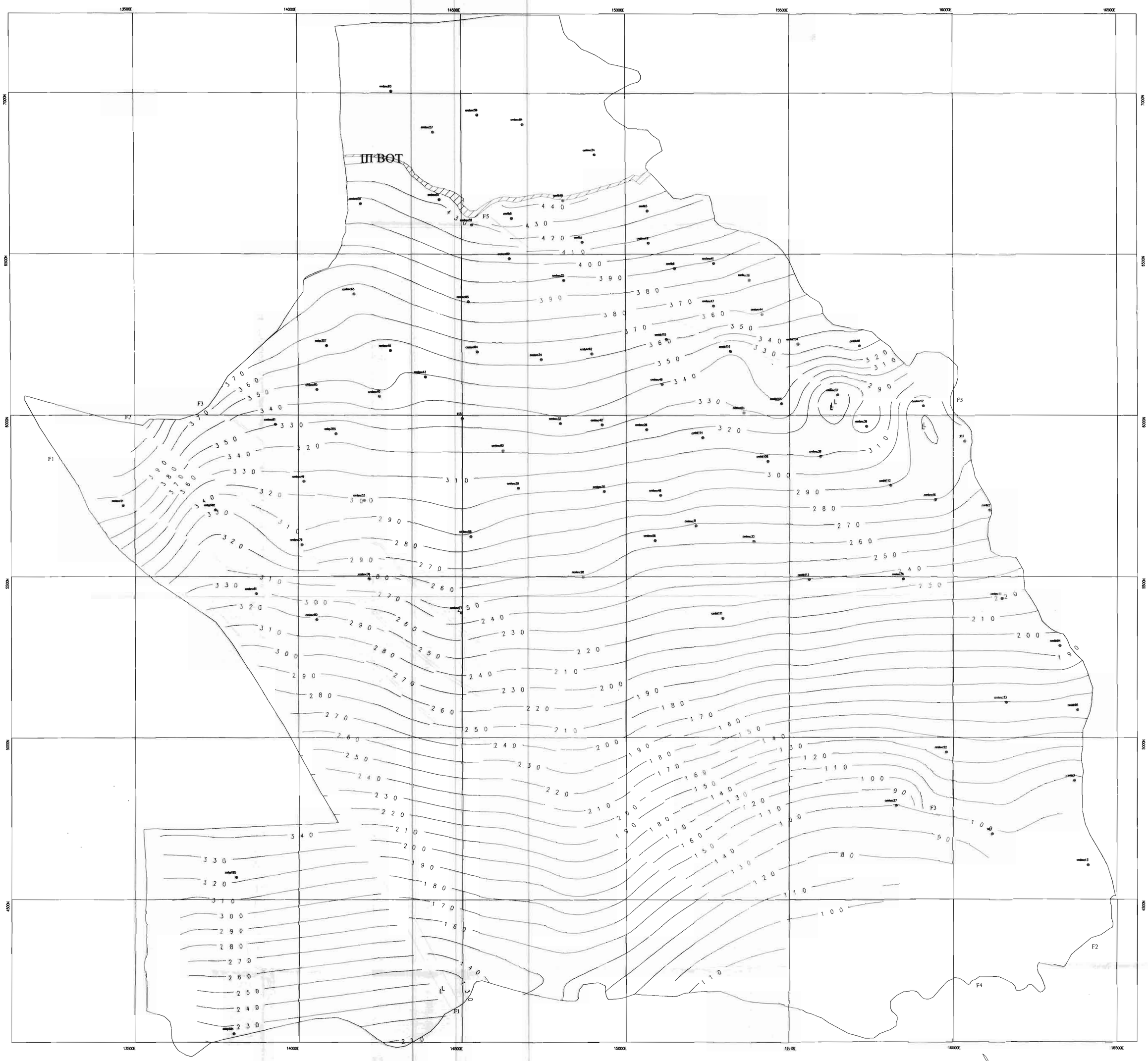
Signature Not Verified
Digitally signed by PARIMAL PIYUSH
Date: 2025.06.26 14:23:24 IST
Reason: AGM(Commercial)
Location: NTPC Limited

S. RANA
MANAGER (SURVEY)
MINISTRY OF COAL
GOVT. OF INDIA
NEW DELHI

P.K. BANERJEE
Recognised Qualified Person
No :- 340(11)/(3)/2016-CPAM
Ministry of Coal, Govt. of India

PLATE NO. 15G

PROJECT	KERENDARI 'A' COAL PROJECT				
SUBJECT	FLOOR CONTOUR PLAN_SEAM IV BOT/1V COMB				
CLIENT	M/S NTPC LTD.				
CONSULTANT	ACMM LTD IN COLLABORATION WITH EXPERTS FROM SRG SERVICES				
DRAWING DETAILS	SCALE 1:5000	Drawing No. NTPC/ACMM/KRD/15G	Checked By :	K.K. CHAUDHURI	DATE NOV '07
			Drawn By :	S.SARKAR	



P.K. BANERJEE
Recognised Qualified Person
No.- 34011/(30)/2006-CPAM
Ministry of Coal, Govt. of India

PLATE NO. 15F

INDEX

BORE HOLE — cmknc46

CONTOUR — 140

FAULT — F3

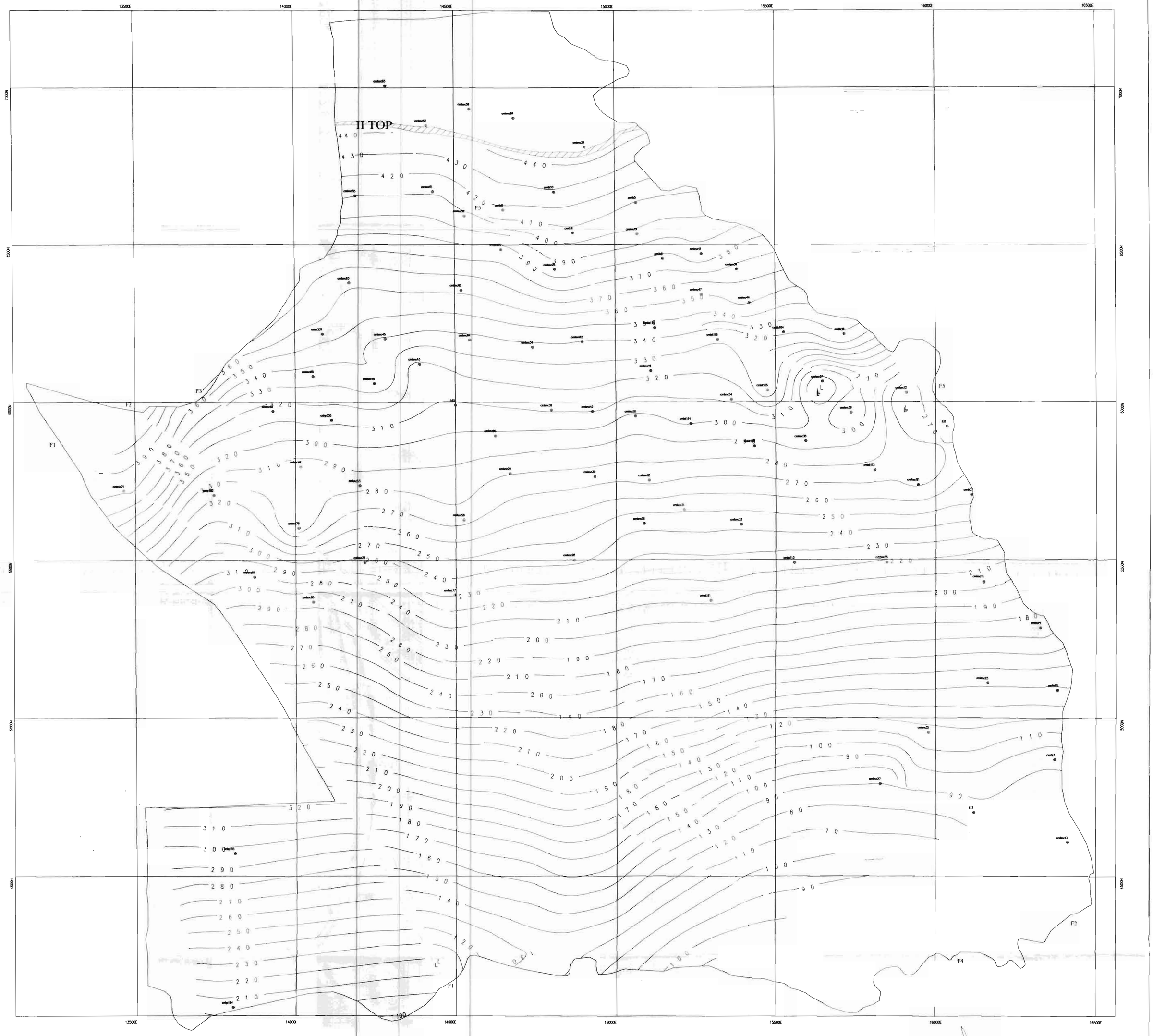
BLOCK BOUNDARY

SEAM INCROP — III BOTTOM

Signature Not Verified
Digitally signed by PARIMAL PIYUSH
Date: 2025.08.04 14:23:24 IST
Reason: AGM(Commercial)
Location: NTPC Limited

PROJECT	KERENDARI 'A' COAL PROJECT					
SUBJECT	FLOOR CONTOUR PLAN SEAM III BOTTOM					
CLIENT	M/S NTPC LTD.					
CONSULTANT	ACMM LTD IN COLLABORATION WITH EXPERTS FROM SRG SERVICES					
DRAWING DETAILS	SCALE 1:5000	Drawing No. NTPC/ACMM/KRD/15F	Checked By :	K.K. CHAUDHURI	DATE NOV '07	
			Drawn By :	T. GHOSH		

P. S. BANA
अवर सचिव/UNDER SECRETARY
कोयला मंत्रालय/MINISTRY OF COAL
भारत सरकार/GOVT. OF INDIA
नई दिल्ली/NEW DELHI



P.K. BANERJEE
Recognised Qualified Person
No.- 34011/(30)/2006-CPAM
Ministry of Coal, Govt. of India

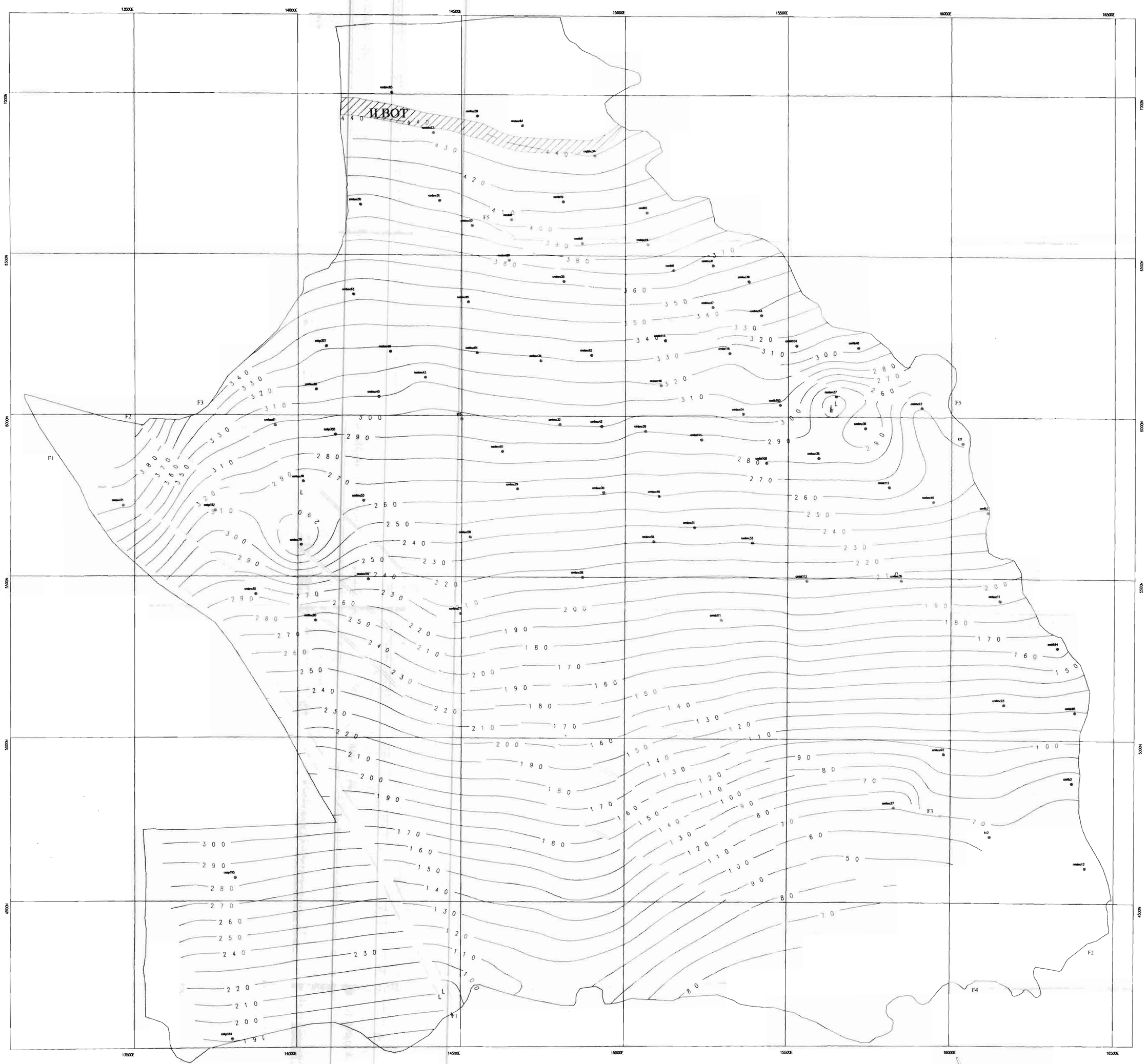
PLATE NO. 15E

INDEX

BORE HOLE	cmknc46
CONTOUR	140
FAULT	F3
BLOCK BOUNDARY	
SEAM INCROP	II TOP

PROJECT	KERENDARI 'A' COAL PROJECT				
SUBJECT	FLOOR CONTOUR PLAN SEAM I I TOP				
CLIENT	M/S NTPC LTD.				
CONSULTANT	ACMM LTD IN COLLABORATION WITH EXPERTS FROM SRG SERVICES				
DRAWING DETAILS	SCALE 1:5000	Drawing No. NTPC/ACMM/KRD/15E	Checked By :	K.K. CHAUDHURI	DATE NOV '07
			Drawn By :	T. GHOSH	

Signature Not Verified
Digitally signed by PARIMAL PIYUSH
Date: 2025.06.26 14:23:24 IST
Reason: AGM(Commercial)
Location: NTPC Limited



P.K. BANERJEE
Recognised Qualified Person
No.- 34011/(30)/2006-CPAM
Ministry of Coal, Govt. of India

PLATE NO. 15D

INDEX

BORE HOLE — cmknc46

CONTOUR — 140

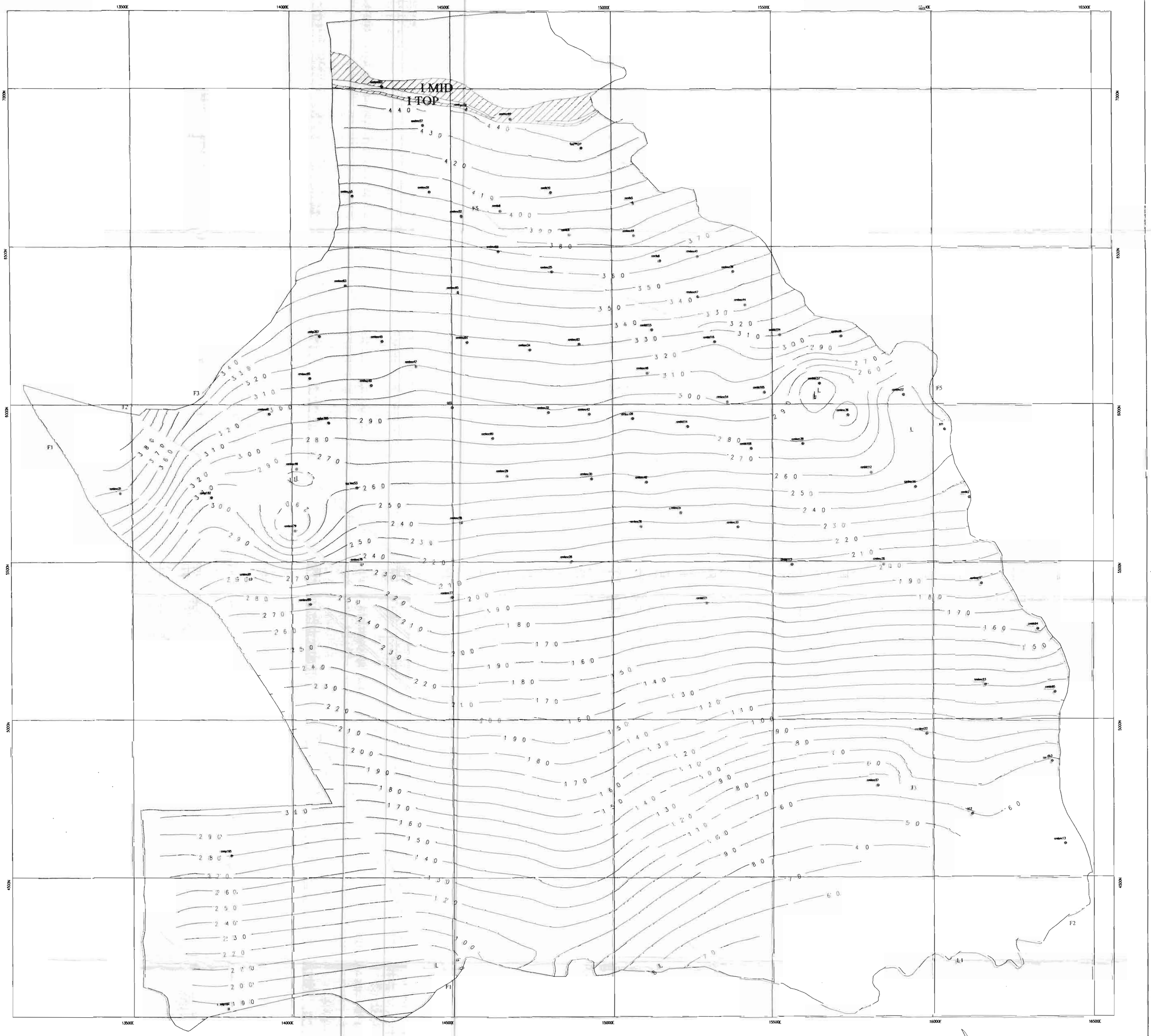
FAULT — F3

BLOCK BOUNDARY

SEAM INCROP — IIBOTTOM

PROJECT	KERENDARI 'A' COAL PROJECT				
SUBJECT	FLOOR CONTOUR PLAN SEAM I IBOT				
CLIENT	M/S NTPC LTD.				
CONSULTANT	ACMM LTD IN COLLABORATION WITH EXPERTS FROM SRG SERVICES				
DRAWING DETAILS	SCALE 1:5000	Drawing No. NTPC/ACMM/KRD/15D	Checked By :	K.K. CHAUDHURI	DATE NOV '07
			Drawn By :	T. GHOSH	

Signature Not Verified
Digitally signed by PARIMAL ARORA
Date: 2025.06.26 14:23:24 IST
Reason: AGM(Commercial)
Location: NTPC Limited



INDEX

BORE HOLE cmknc46

CONTOUR 1 4 0

FAULT F5

BLOCK BOUNDARY

SEAM INCROP ITOP

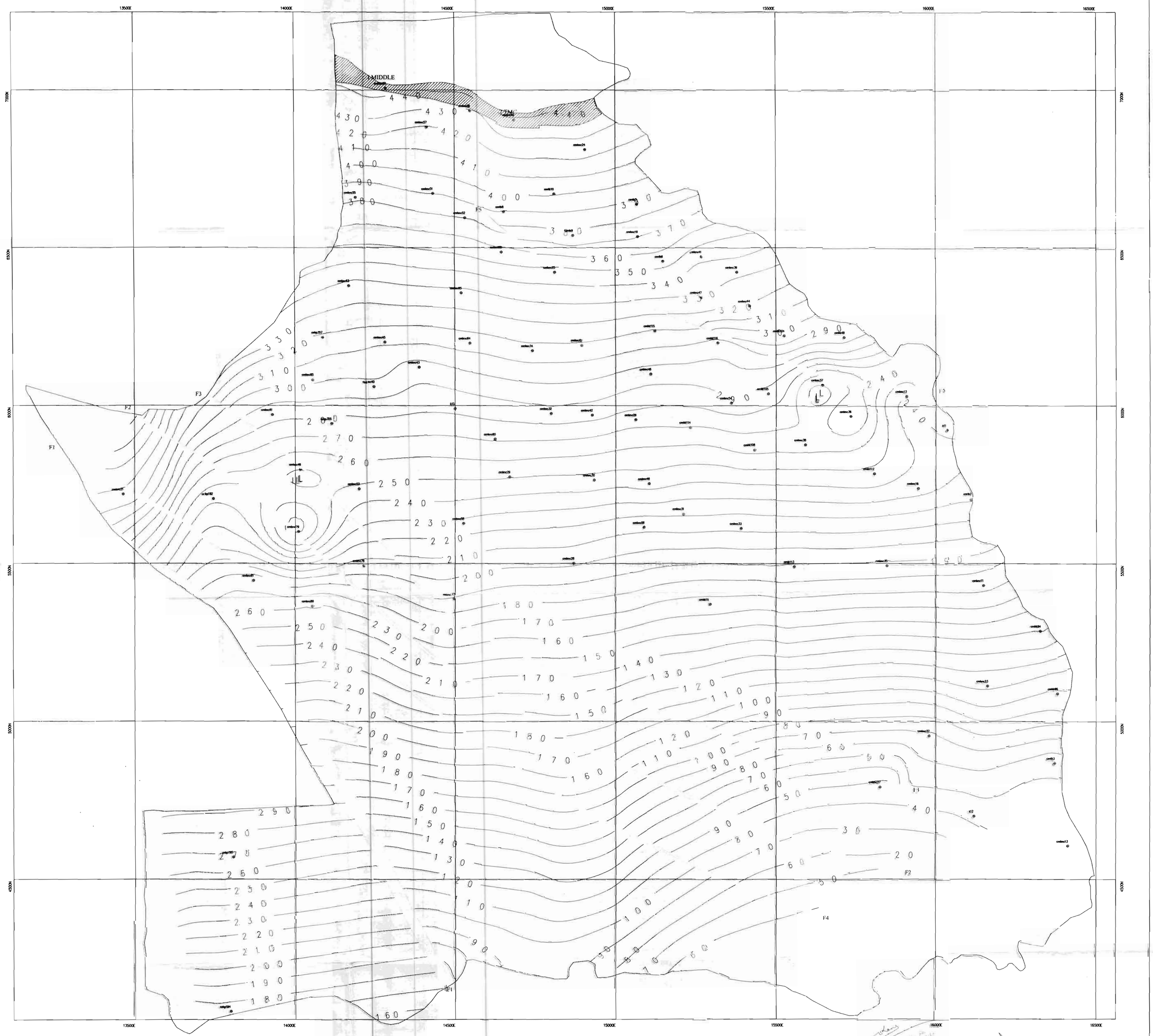
P.K. BANERJEE
Recognised Qualified Person
No.- 14011/(30)/2006-CPAM
Ministry of Coal, Govt. of India

PLATE NO. 15C

PROJECT	KERENDARI 'A' COAL PROJECT				
SUBJECT	FLOOR CONTOUR PLAN SEAM I TOP				
CLIENT	M/S NTPC LTD.				
CONSULTANT	ACMM LTD IN COLLABORATION WITH EXPERTS FROM SRG SERVICES				
DRAWING DETAILS	SCALE 1:5000	Drawing No. NTPC/ACMM/KRD/15C	Checked By	K.K. CHAUDHURI	DATE NOV '07
			Drawn By	T. GHOSH	

V. S. RANA
UNDER SECRETARY
GOVT OF INDIA
NEW DELHI

Signature Not Verified
Digitally signed by PARIMAL PIYUSH
Date: 2025.06.26 14:23:24 IST
Reason: AGM(Commercial)
Location: NTPC Limited



INDEX

BORE HOLE — cmknc46

CONTOUR — 140

FAULT — F3

BLOCK BOUNDARY

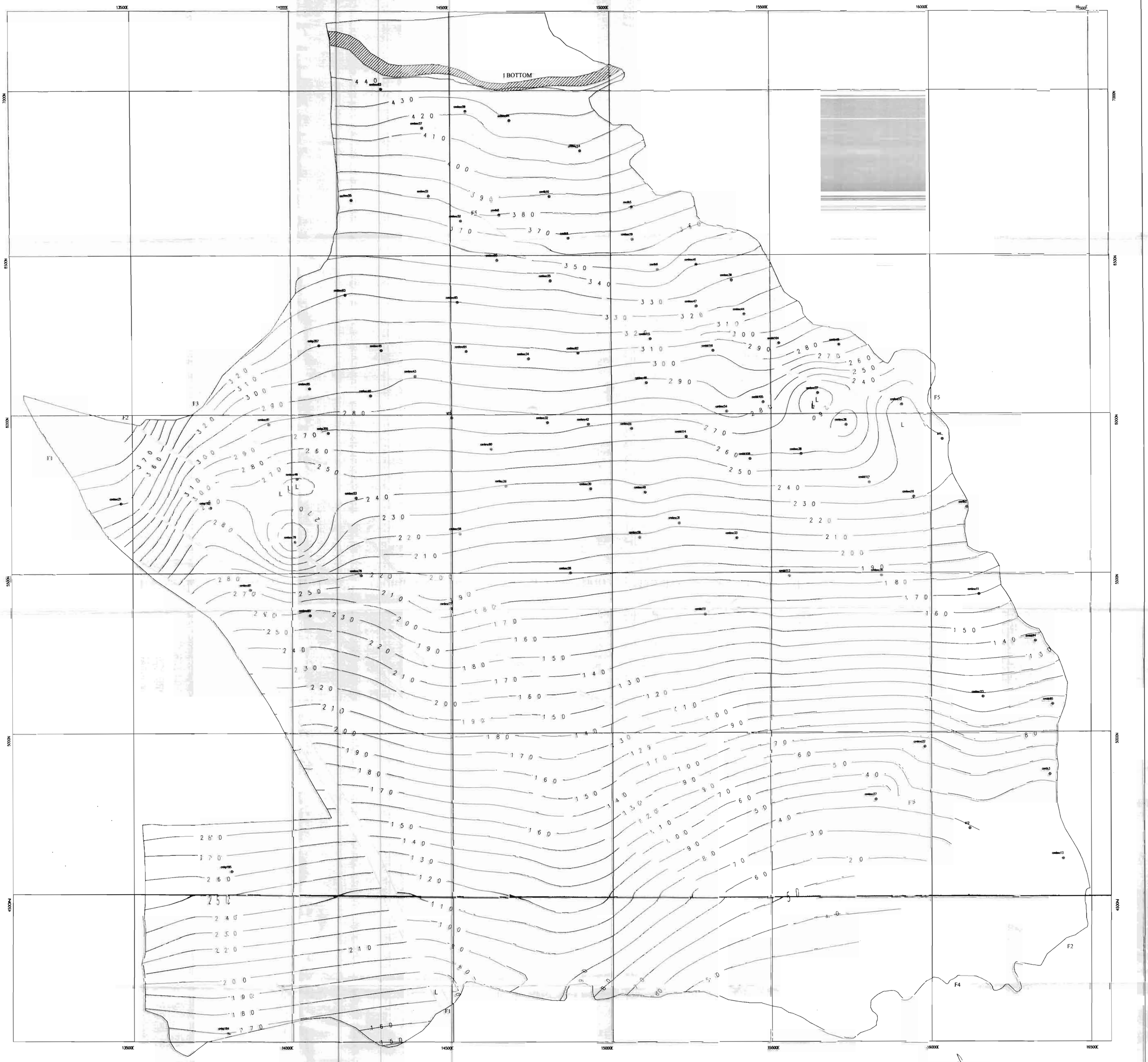
SEAM INCROP — I MID/1TMC

Signature Not Verified
Digitally signed by PARIMAL PIYUSH
Date: 2025.06.26 14:23:24 IST
Reason: AGM(Commercial)
Location: NTPC Limited

P.K BANERJEE
Recognised Qualified Person
No.- 3401(30)/2006-CPAM
Ministry of Coal, Govt. of India

PLATE NO. 15B

PROJECT	KERENDARI 'A' COAL PROJECT				
SUBJECT	FLOOR CONTOUR PLAN_SEAM I MID/1 TMC				
CLIENT	M/S NTPC LTD.				
CONSULTANT	ACMM LTD IN COLLABORATION WITH EXPERTS FROM SRG SERVICES				
DRAWING DETAILS	SCALE 1:5000	Drawing No. NTPC/ACMM/KRD/15B	Checked By :	K.K. CHAUDHURI	DATE NOV '07
			Drawn By :	T. GHOSH	



P.K. BANERJEE
Recognised Competent Person
No.- 34011/(30)/2006-OPAM
Ministry of Coal, Govt. of India

PLATE NO. 15A

INDEX

BORE HOLE — cmknc46

CONTOUR — 1 A 0

FAULT — F3

BLOCK BOUNDARY

SEAM INCROP — I BOTTOM

PROJECT	KERENDARI 'A' COAL PROJECT				
SUBJECT	FLOOR CONTOUR PLAN SEAM I BOTTOM				
CLIENT	M/S NTPC LTD.				
CONSULTANT	ACMM LTD IN COLLABORATION WITH EXPERTS FROM SRG SERVICES				
DRAWING DETAILS	SCALE 1:5000	Drawing No. NTPC/ACMM/KRD/15A	Checked By :	K.K. CHAUDHURI	DATE NOV '07
			Drawn By :	T. GHOSH	

Signature Not Verified
Digitally signed by PARIMAL PIYUSH
Date: 2025.06.26 14:23:24 IST
Reason: AGM(Commercial)
Location: NTPC Limited

सत्यमेव जयते

Ministry of Environment & Forests (MOEF)

No.J-11015/133/2007-IA.II(M)

Paryavaran Bhawan,
C.G.O.Complex,
New Delhi -110510.

To
Shri M.H. Rao,
General Manager,
M/s National Thermal Power Corporation,
Engineering Office Complex,
A-8A, Sector 24, NOIDA – 201301

Dated: 31st March 2010

Sub: Kerendari 'A' Coal Mine Block (6 MTPA in a project area of 1173 ha) of M/s National Thermal Power Corporation Ltd., located in North Karanpura Coalfields in Dist. Hazaribagh, Jharkhand - Environmental Clearance– reg.

Sir,

This is with reference to letter No. CC:ESE:7012:2007:GEN: dated 07.02.2007 and subsequent letters dated 09.03.2007, 30.03.2007, and 25.09.2007 for Terms of Reference (TOR) and this Ministry's grant of TOR vide letter dated 24.04.2007 and modification thereto vide letter dated 20.11.2007 and application for environmental clearance dated 28.05.2009, and subsequent letters dated 27.10.2009, 05.11.2009, 17.02.2010 and 22.03.2010 and letter No. 174/Misc./08-09/446 dated 26.06.2009 of the Principal Chief Conservator of Forests, Conservation of Biodiversity and Chief Wildlife Warden, Government of Jharkhand on the above-mentioned subject. The Ministry of Environment & Forests has considered the application. It is noted that the project is for opening a new **Kerendari Opencast Coal Mine Project of 6 million tonnes per annum (MTPA) in a total project area of 1173 ha of which the total ML area is 654 ha,** for captive consumption of their Barh Super Thermal Power Plant Stage-2 (2x 660 MW) and Tanda TPP. The grade of coal is mainly E-F.

The project involves a total project area of **1173** ha, 169.35 ha is forestland, 938.62 ha is agricultural land, 32.70 ha is water body and the balance ha is others. There are no National Parks, Wildlife Sanctuary, Biosphere Reserves found in the 15 km buffer zone. However there are a number of reserved and protected forests in the study area. Of the total forestland requirement of 169.35 ha, 53.19 ha is within ML, and of the balance 116.16 ha, 74 ha is for CHP and railway corridor and 42.16 ha for external OB dump. Forestry clearance has been applied for. There are a number of Schedule-I and II fauna such as the Indian Elephant, Sloth Bear, Indian Wolf, Spotted Deer, Sambar, Leopard, Indian Monitor Lizard found in the study area. A Wildlife Conservation Plan has been prepared and the approval of the State Government has been obtained. The drainage of the block is controlled by Basaria nala and Baldeori nala which flow along the eastern boundary and central part of the block respectively and are tributaries of Hahoro River which joins River Damodar. It is proposed to modify the existing drainage by diversion of the Baldeori nala to the boundary and to construct an embankment of 3m height and 30m width at the bottom all along the Basaria nala. Presently there are no industries in the 10 km buffer zone. No new roads or diversion of existing roads is planned. Transportation of 20,000 TPD of coal from the mine to CHP would be by dumpers and from CHP by overhead closed conveyors to Railway siding at village Khadamdari and thereafter by rail to the linked Tanda/Barh STPP. The conveyor-cum-rail corridor consists of a stretch of 13.1km of rail and 10.5 km of overhead closed conveyors in the 74 ha of forestland to enable movement of wild animals, extending upto unloading part at the Railway Siding with Silo Loading facilities. The approach roads

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to the mine would be strengthened. A common township of 10.65 ha for Chhattibariu and Kerandari with 633 dwelling units is planned at a distance of 5km from the coalmine.

The project is opencast by mechanised method involving shovel-and-dumper. **The rated capacity of the mine is 6 MTPA of coal production.** Of the total project area of 1173 ha, 470.18 ha is for quarry area, 130 ha is for external OB dump, 7.58 ha is for green belt, 27.06 ha is for infrastructure, 14 ha is for roads and nala diversion, 13 ha is for embankment and 122.18 ha is for unutilised area and safety zone. Ultimate working depth of the mine is 395m below ground level (bgl). Water table is in the range of 2.07-12.25m bgl during pre-monsoon and 0.7-6.8m bgl during post-monsoon. Average water requirement is 2509 m^3/d, which would be initially met from bore well water and after intersection of water table, will be met from mine pit water for the mine operations and bore well water (832 m3/d) for domestic consumption. Peak mine water discharge is estimated as 7,15,000 m3/d. Of an estimated 621.22 Mm3 of waste generated over the life of mine, 84.14 Mm3 of OB would be dumped in external OB dump in an area of 130 ha and of a max. height of 120m, and 210 Mm3 of OB would be stored temporarily in an area of 250 ha in Chhattibariatu (S) Coal Block and the balance 327.07 Mm3 of OB would be backfilled into the decoaled void of Kerendari coalmine. Of the total 380ha required for external dumping of OB, 250 ha of area would be in the adjoining Chhattibariatu (South) Coalmine Block of M/s NTPC proposed to be mined at a later stage, which would temporarily store the OB in its mineralised area and the entire OB would be rehandled at the end of mine life into the decoaled voids of the Kerandari Coalmine. Backfilling will begin from the 6th year and continue till end of mine life. Plantation at the post mining stage would cover an area of 470.18 ha. Project involves R&R of 7 villages – Tarhesa, Pandu, Pagar, Kabed, Baledeori, Basaria and Lochar comprising about 1453 PAFs and land losers. Anticipated life of mine at the rated capacity of 6 MTPA is 25 years. Public Hearing was held on 09.01.2009. Mining Plan was approved by Ministry of Coal on 04.08.2008. Capital cost of the Coalmine project is **Rs. 89947.21 lakhs.**

2. The Ministry of Environment & Forests hereby accords environmental clearance for the above-mentioned **Kerendari Opencast Coal Mine Project of M/s National Thermal Power Corporation Ltd. for production of coal at 6 MTPA annual rated capacity in a total project area of 1173 ha** under the Environmental Impact Assessment Notification, 2006 and subsequent amendments thereto and Circulars thereto subject to the compliance of the terms and conditions mentioned below:

A. **Specific Conditions**

(i) Mining shall not be carried out in 169.35 ha of forestland until prior forestry clearance is obtained under FC Act 1980.

(ii) Prior approval of the Flood & Irrigation dept, shall be obtained for the proposed route for diversion of Baldeori nala, design of the embankment and realignment of the diverted nala along the fault lines. A minimum safe distance of 60m distance shall be maintained between the realigned nala and embankment. The embankment shall be a minimum 3 m higher than the HFL and 30m wide at the bottom The slope of the embankment shall at least 2:1 towards the ML, compacted and stone pitching done towards the river and shall be stabilised with plantation. Materials such as OB shall be tested for strength before using for construction of embankment.

(iii) Topsoil shall be stacked properly within the earmarked area for one topsoil dump of a max. height of 15m height with proper slope at earmarked site(s) and shall be used concurrently for reclamation and development of green belt.

(iv) Of the estimated total 621.22Mm^3 of OB generated to stored in external OB dumps, 84.14 Mm^3 of OB shall be stacked at earmarked external OB dumpsite of an area of 130 ha and shall not exceed a height of 120m consisting of 4 benches of 30m each. The ultimate slope of the dump shall not exceed 28°. Reclamation of the external OB dump shall be done using native species and species of economic importance. Monitoring and management of reclaimed dumpsites shall continue until the vegetation becomes self-sustaining. Compliance status shall

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be submitted to the Ministry of Environment & Forests and its Regional office located at Bhubaneshwar on yearly basis. The balance 210 Mm^3 of OB to be temporarily stored in an external OB dump of an area of 250ha in the mineralised area of the adjoining Chhattibariatu (South) Coalmine Block of M/s NTPC shall be entirely rehandled at the end of mine life into the decoaled voids of the Kerendari Coalmine and the backfilled area biologically reclaimed.

(v) The design of the dumps shall be done incorporating the specific recommendations of the Slope Stability study for the internal and external dumps keeping in view the rainfall (peak), soil characteristics, proposed dump stabilisation measures, etc,. Regular monitoring of dump slope stability shall be also carried out. These modifications shall also be appropriately reflected in the Mining Plan.

(vi) A thick 3-tier plantation shall be developed between quarry, external OB dump and habitation using native species and species f economic importance.

(vii) Catch drains and siltation ponds of appropriate size shall be constructed to arrest silt and sediment flows from soil, OB and mineral dumps. The water so collected shall be utilised for watering the mine area, roads, green belt development, etc. The drains shall be regularly desilted and maintained properly.

Garland drains (size, gradient and length) and sump capacity shall be designed keeping 50% safety margin over and above the peak sudden rainfall and maximum discharge in the area adjoining the mine site. Sump capacity shall also provided adequate retention period to allow proper settling of silt material.

(viii) Dimension of the retaining wall at the toe of the dumps and OB benches within the mine to check run-off and siltation shall be based on the rainfall data.

(ix) Drills shall be wet operated.

(x) Controlled blasting shall be practiced only during daytime with use of delay detonators. The mitigative measures for control of ground vibrations and to arrest the fly rocks and boulders shall be implemented.

(xi) Raw coal from CHP shall be transported by closed conveyors to the railway siding proposed at village Khadamdari and thereafter by rail to the linked Tanda/Barh STPP. The conveyor-cum-rail corridor consisting of a stretch of 13.1km of rail and 10.5km of overhead closed conveyors and extend upto unloading part at the Railway Siding with Silo Loading facilities and from there to linked Barh STPS/Tanda by rail. There shall be no road transportation of coal.

(xii) All approach roads shall be black topped and internal roads shall be black topped or concreted. The roads shall be regularly cleaned with mechanical sweepers. A 3-tier avenue plantation using local species shall be developed along the main roads, and approach roads to the mine and at Railway Siding. Green belt shall be developed using local species all along the periphery of the site, along the areas such as infrastructure, and at Railway Siding.

(xiii) Crushers at the CHP shall be operated with high efficiency bag filters, water sprinkling system shall be provided to check fugitive emissions from crushing operations, conveyor system, haulage roads, transfer points, etc. Hoppers of the coal crushing unit shall be fitted with high efficiency bag filters and mist spray water sprinkling system shall be installed and operated effectively at all times of operation to check fugitive emissions from crushing operations, transfer points of and from transportation roads and at Railway Siding.

(xiv) Company's Railway siding at village Khadambari shall be established within 3 years from date of grant of environmental clearance.

(xv) No fly ash from the TPP shall be used in backfilling of the void without undertaking an environmental feasibility study and without prior approval of this Ministry.

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(xvi) Regular monitoring of groundwater level and quality shall be carried out by establishing a network of exiting wells and construction of new peizometers. The monitoring for quantity shall be carried out four times a year in pre-monsoon (May), monsoon (August), post-monsoon (November) and winter (January) seasons and for quality in May and in monsoon in the villages in core and buffer zone. Data thus collected shall be submitted to the Ministry of Environment & Forests and to the Central Pollution Control Board quarterly within one month of monitoring.

(xvii) The levels of fluoride and TDS in drinking water shall be regularly monitored and records thereon maintained. In case the levels are found to be higher than the prescribed limits in the groundwater and mine discharge water, the project authorities shall provide drinking water to the affected villages in the impact zone.

(xviii) The Company shall put up artificial groundwater recharge measures including rainwater harvesting structures for augmentation of groundwater resource in case monitoring indicates decline in water table. The project authorities shall meet water requirement of nearby village(s) in case the village wells go dry due to dewatering of mine.

(xix) ETP shall also be provided for workshop, and CHP. Effluents shall be treated to conform to prescribed standards, particularly for pH and TSS in case of discharge into any watercourse within or outside the lease. Mine water discharge and run off from external dumps shall be treated to prescribed norms and monitored at all the outlet points before discharge into natural water courses or onto land.

(xx) An STP shall be provided for the township/colony to treat the domestic effluents to prescribed standards and for green belt development or reuse in project activities.

(xxi) Any additional water requirement envisaged shall be obtained by recycle/reuse to the maximum extent and from rainwater harvesting measures. Recycled water shall be used for development and maintenance of green belt and in the Plant Operations.

(xxii) Industrial wastewater shall be properly collected, treated so as to conform to the standards prescribed under GSR 422 (E) dated 19th May 1993 and 31st December 1993 or as amended from time to time before discharge. Oil and grease trap shall be installed for treatment of workshop effluents.

(xxiii) Area brought under afforestation shall not be less than 472.29 ha which includes reclaimed external OB dump (130 ha), backfilled area (332.71 ha), along ML boundary (7.58 ha), along roads, Infrastructure (2 ha), in undisturbed areas, Infrastructure and in colony by planting native species in consultation with the local DFO/Agriculture Department. The density of the trees shall be around 2500 plants per ha.

(xxiv) A Progressive Closure Plan shall be implemented by reclamation of quarry area of 470.18 ha of which 332.17 ha shall be backfilled and afforested by planting native plant species in consultation with the local DFO/Agriculture Department. The density of the trees shall be around 2500 plants per ha. The balance 137.47 ha of decoiaed area being converted into a water reservoir and gently sloped along the upper benches and stabilised and reclaimed with plantation.

(xxv) A Conservation Plan (in-situ and ex-situ) for endangered Schedule-I and II faunal species reported in the study area and for the medicinal plants found in and around the project area shall be prepared and implemented in consultation with the State Forest and Wildlife Departments. The implementation of the various activities there under and the status thereof shall be regularly reported to this Ministry and the MOEF Regional Office, Bhubaneshwar and uploaded on the company's website. The proponent shall also participate in the Regional Wildlife Conservation Plan to be prepared by the State Wildlife Dept. and shall also contribute financially for implementation of the RAP.

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(xxvi) An amount not less than a capital expenditure of Rs 2102.62 lakhs and a revenue expenditure of Rs 497.85 lakhs (which shall be up scaled after adjusting for depreciation of the rupee) shall be earmarked and utilised for environmental protection measures, the status of which shall be uploaded regularly on the company website and also furnished as part of the Monitoring report.

(xxvii) A detailed project specifc R&R Plan shall be prepared for the 7 villages – Tarhesa, Pandu, Pagar, Kabed, Baledeori, Basaria and Lochar comprising about 1453 PAFs and land losers and Implemented in consultation with the stakeholders. R&R shall be based on norms laid down/approval by the State Government and shall not be inferior than that in the National R&R Policy and shall be completed within a specified time-frame. R&R shall include specific income generation schemes. A Corpus Fund of Rs 5 crores shall be created for maintenance of the R&R colony. Annuities shall be provided for the vulnerable sections of the displaced population. Alternate livelihood schemes shall be implemented for the persons not being absorbed for employment.

(xxviii) The proponent shall provide a minimum Rs. 5 per tonne of coal as supporting revenue expenditure (which shall be up scaled after adjusting for depreciation of the rupee) towards activities undertaken under CSR. The details of the activities and expenditure made thereon shall be displayed on the company's website and updated at least once in six months.

(xxix) For monitoring land use pattern and for post mining land use, a time series of landuse maps, based on satellite imagery (on a scale of 1: 5000) of the core zone and buffer zone, from the start of the project until end of mine life shall be prepared once in 3 years (for any one particular season which is consistent in the time series), and the report submitted to MOEF and its Regional office at Bhubaneshwar.

(xxx) A Final Mine Closure Plan along with details of Corpus Fund shall be submitted to the Ministry of Environment & Forests for approval 5 years in advance of final mine closure for approval and for Habitat Restoration by using a mix of native species found during pre-mining stage.

B. General Conditions

(i) No change in technology and scope of working shall be made without prior approval of the Ministry of Environment and Forests.

(ii) No change in the calendar plan including quantum of mineral coal and waste being produced shall be made.

(iii) Four ambient air quality monitoring stations shall be established in the core zone as well as in the buffer zone for monitoring PM10, PM2.5, SO2 and NOx. Location of the stations shall be decided based on the meteorological data, topographical features and environmentally and ecologically sensitive targets in consultation with the State Pollution Control Board. Monitoring of heavy metals such as Hg, As, Ni, Cd, Cr, in particulates shall be carried out at least once in six months.

(iv) Data on ambient air quality (PM10, PM 2.5, SO2 and NOx and heavy metals such as Hg, As, Ni, Cr, etc) and other monitoring data shall be regularly submitted to the Ministry including its Regional Office at Bhubaneshwar and to the State Pollution Control Board and the Central Pollution Control Board once in six months. Random verification of samples through analysis from independent laboratories recognised under the EP Rules, 1986 shall be furnished as part of the compliance report.

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(v) Adequate measures shall be taken for control of noise levels below 85 dBA in the work environment. Workers engaged in blasting and drilling operations, operation of HEMM, etc shall be provided with ear plugs/muffs.

(vi) Industrial wastewater (workshop and wastewater from the mine) shall be properly collected, and treated so as to conform to the standards including for heavy metals before discharge prescribed under GSR 422 (E) dated 19th May 1993 and 31st December 1993 or as amended from time to time. Oil and grease trap shall be installed before discharge of workshop effluents.

(vii) Vehicular emissions shall be kept under control and regularly monitored. Vehicles used for transportation of the mineral shall be covered with tarpaulins and optimally loaded.

(viii) Monitoring of environmental quality parameters shall be carried out through establishment of adequate number and type of pollution monitoring and analysis equipment in consultation with the State Pollution Control Board and data got analysed through a laboratory recognised under EP Rules, 1986.

(ix) Personnel working in dusty areas shall wear protective respiratory devices and they shall also be provided with adequate training and information on safety and health aspects.

Occupational health surveillance programme of the workers shall be undertaken periodically to observe any contractions due to exposure to dust and to take corrective measures, if needed.

(x) A separate environmental management cell with suitable qualified personnel shall be set up under the control of a Senior Executive, who will report directly to the Head of the company.

(xi) The funds earmarked for environmental protection measures shall be kept in separate account and shall not be diverted for other purpose. Year-wise expenditure shall be reported to this Ministry and its Regional Office at Bhubaneshwar.

(xii) The Project authorities shall advertise at least in two local newspapers widely circulated around the project, one of which shall be in the vernacular language of the locality concerned within seven days of the clearance letter informing that the project has been accorded environmental clearance and a copy of the clearance letter is available with the State Pollution control Board and may also be seen at the website of the ministry of Environment & Forests at http://envfor.nic.in

(xiii) A copy of the environmental clearance letter shall be marked to concerned Panchayat/Zila Parishad, Municipal Corporation or Urban Local Body and local NGO, if any, from whom any suggestion/representation has been received while processing the proposal. A copy of the clearance letter shall also be displayed on the company's website.

(xiv) A copy of the clearance letter shall be displayed on the website of the concerned State Pollution Control Board. The EC letter shall also be displayed at the Regional Office, District Industry Centre and Collector's Office/Tehsildar's Office for 30 days.

(xv) The clearance letter shall be uploaded on the company's website. The compliance status of the stipulated EC conditions shall also be uploaded by the project authorities on their website and updated at least once every six months so as to bring the same in the public domain. The monitoring data of environmental quality parameters (air, water, noise and soil) and critical pollutants such as PM10, PM2.5, SO_2 and NO_x (ambient and stack if any) and critical sectoral parameters shall also be displayed at the entrance of the project premises and mines office and in corporate office and on the company's website.

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(xvi) The project proponent shall submit six monthly reports on the status of compliance of the stipulated environmental clearance conditions (both in hard copy and in e-mail) to the respective Regional Office of the MOEF, the respective Zonal offices of CPCB and the SPCB.

(xvii) The Regional Office of this Ministry located at Bhubaneshwar shall monitor compliance of the stipulated conditions. The Project authorities shall extend full cooperation to the office(s) of the Regional Office by furnishing the requisite data/ information/monitoring reports.

(xviii) The environmental statement for each financial year ending 31st March in Form-V is mandated to be submitted by the project proponent tot the concerned State Pollution Control Board as prescribed under the Environment (Protection) Rules, 1986, as amended subsequently, shall also be uploaded on the company's website along with the status of compliance of EC conditions and shall be sent to the respective Regional Offices of the MOEF by E-mail.

3. The Ministry or any other competent authority may stipulate any further condition for environmental protection.

4. Failure to comply with any of the conditions mentioned above may result in withdrawal of this clearance and attract the provisions of the Environment (Protection) Act, 1986.

5. The above conditions will be enforced *inter-alia*, under the provisions of the Water (Prevention & Control of Pollution) Act, 1974, the Air (Prevention & Control of Pollution) Act, 1981, the Environment (Protection) Act, 1986 and the Public Liability Insurance Act, 1991 along with their amendments and Rules. The proponent shall ensure to undertake and provide for the costs incurred for taking up remedial measures in case of soil contamination, contamination of groundwater and surface water, and occupational and other diseases due to the mining operations.

(Dr.T.Chandini)
Director

Copy to:

1. Secretary, Ministry of Coal, Shastri Bhawan, New Delhi.
2. DG (F) and Special Secretary, MOEF, New Delhi.
3. Principal Chief Conservator of Forests, Biodiversity Conservation and Chief Wildlife Warden, Govt. of Jharkhand, Ranchi w.r.t. Special Condition No. (xxiii) and (xxv)
4. Secretary, Department of Environment & Forests, Government of Jharkhand, Secretariat, Ranchi.
5. Chief Conservator of Forests, Regional office (EZ), Ministry of Environment & Forests, A/3 Chandrashekarpur, Bhubaneshwar – 751023.
6. Chairman, Jharkand State Pollution Control Board, TA Building, HEC Complex, PO Dhurwa, Ranchi.
7. Chairman, Central Pollution Control Board, CBD-cum-Office Complex, East Arjun Nagar, New Delhi -110032.
8. Member-Secretary, Central Ground Water Authority, Ministry of Water Resources, Curzon Road Barracks, A-2, W-3 Kasturba Gandhi Marg, New Delhi.
9. District Collector, Hazaribagh, Government of Jharkhand.
10. Monitoring File 11. Guard File 12. Record File.

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F. No. 8-53/2011-FC
Government of India
Ministry of Environment and Forests
(FC Division)

Paryavaran Bhawan,
CGO Complex,
Lodhi Road, New Delhi - 110510
Dated: 1st February, 2012

To

The Principal Secretary (Forests),
Government of Jharkhand,
Ranchi.

Sub: Diversion of 243.32 ha of forest land for North Karanpura Coal Keredari Coal Mining Project in favour of M/s NTPC Ltd. in Chatra South and Hazaribagh West Forest Division of Districts Chatra and Hazaribagh, respectively in the State of Jharkhand.

Sir,

I am directed to refer to the State Government's letter no. 3/Vanbhumi-103/2010-1643 dated 4.05.2011on the subject mentioned above seeking prior approval of the Central Government under Section-2 of the Forest (Conservation) Act, 1980 and to say that the proposal has been examined by the Forest Advisory Committee constituted by the Central Government under section-3 of the said Act.

After careful examination of the proposal of the State Government and on the basis of the recommendation of the Forest Advisory Committee, the Central Government hereby conveys the in-principle approval for diversion of 243.32 ha of forest land for North Karanpura Coal Keredari Coal Mining Project in favour of M/s NTPC Ltd in Chatra South and Hazaribagh West Forest Division of Districts Chatra and Hazaribagh, respectively in the State of Jharkhand subject to fulfilment of the following conditions:

1. The Legal status of the forest land proposed to be diverted shall remain unchanged.

2. (i) Compensatory Afforestation (CA) shall be raised and maintained over double degraded forest land equal at the project cost.

   (ii) The State Government shall immediately transfer and mutate the non-forest land identified for CA in favour of the State Forest Department.

   (iii) The land identified for the purpose of CA shall be clearly depicted on a Survey of India toposheet of 1:50,000 scale.

   (iv) The non-forest land identified for raising Compensatory Afforestation shall be notified by the State Government as RF under Section-4 or PF under Section-29 of the Indian Forest Act, 1927 or under the relevant Section(s) of the local Forest Act, as the case may be, within a period of six months. The Nodal Officer (Forest Conservation) shall report compliance in this regard.

3. The State Government shall charge the Net Present Value of the forest area diverted under this proposal from the User Agency as per the Judgement of the Hon'ble Supreme Court of India dated 28.03.2008 & 09.05.2008 in IA No. 566 in WP (C) No. 202/1995 and as per the guidelines issued by this Ministry vide letter No. 5-3/2007-FC dated 05.02.2009 in this regard.

4. The User Agency shall furnish an undertaking to pay the additional NPV, if so determined, as per

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the final decision of Hon'ble Supreme Court of India.

5. The User Agency shall create, fence and maintain a proper safety zone around the mining area. The User Agency shall deposit funds with the Forest Department for the creation, protection and regeneration of the safety zone area, and also shall bear the cost of afforestation over one and a half time of the safety zone area in degraded forest elsewhere.

6. All the funds received from the User Agency under the project shall be transferred to Ad-hoc CAMPA in account number **CA 1587** of Corporation Bank, Block-11, CGO Complex, Phase-I, Lodhi Road, New Delhi - 110 510.

7. A detailed alternate evacuation plan will be submitted keeping in mind the fact that diversion of forest land for part of proposed railway line has not been granted yet.

8. In view of displacement of people the User Agency shall prepare welfare plan for displaced people, which can track individual displaced facilities and establish an appropriate welfare unit to monitor the welfare.

9. The user Agency shall implement the R & R Plan as per the R & R Policy of State Government in consonance with National R&R Policy, Government of India before the commencement of the project work and implementation. The said R & R Plan will be monitored by the State Government/Regional Office of MoEF along with indictors for monitoring and expected observable milestones.

10. The period of diversion under this approval shall be twenty (20) years or coterminous with the mining lease subject to possession of valid lease by User Agency under the MMDR Act, 1957.

11. The forest land shall not be used for any purpose other than that specified in the proposal.

12. The following activities shall be undertaken by the User Agency under supervision of the State Forest Department at the project cost:

    i. Proper mitigative measures to minimize soil erosion and choking of streams if available the vicinity of mining area shall be prepared and implemented.

    ii. Planting of adequate drought hardy plant species and sowing of seeds to arrest soil erosion.

    iii. Construction of check dams, retention/toe walls to arrest sliding down of the excavated material along the contour.

13. Ample care shall be taken while reclaiming the mined area by employing suitable top soil management scheme and ensuring plantation of native species of the area.

14. The user agency shall provide fuel wood preferably alternate fuel such as kerosene oil and LPG to the labourers working at the site to avoid damage to adjoining forests.

15. No labour camps shall be set up inside the forest area.

16. Forest land shall not be used for any purpose other than that as specified in the proposal.

17. The forest land proposed to be diverted shall under no circumstances be transferred to any other agency, department or person without prior approval of the Central Government.

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18. The user agency will prepare a conservation plan for the project area under the guidance of the State Forest Department for maintenance and eco-restoration of the area at the project cost.

19. Any tree felling shall be done only when it is unavoidable under strict supervision of the State Forest Department.

20. No damage to the flora and fauna of the adjoining area shall be caused.

21. The user agency shall obtain Environmental Clearance and any other clearances required for such project before the final approval.

22. The user agency shall take up the de-silting of the village tanks within five km area from the mine lease boundary as a Corporate's social responsibility so as to mitigate the impact of siltation of such tanks, if any.

23. The User Agency will ensure the dumping of over burden (OB) as per the approved phased Reclamation plan.

24. The user agency shall obtain the clearance under the provisions of ST&OTFD (Recognition of Forest Rights) Act, 2006 before the final approval and shall submit certificate towards the settlement of all claims and rights over the proposed forest land under the Act, along with the compliance report, as per the MoEF advisory dated 03.08.2009.

25. Any other condition that the CCF (Central), Regional Office, Bhubaneswar, may impose from time to time for the protection and improvement of flora and fauna in the forest area.

26. Compliance of any legal matters, in any court of law, shall be the responsibility of the user agency / and the State Government.

27. The user agency shall submit the annual compliance report in respect of the above conditions to the State Government and to the Regional Office, Bhubaneswar regularly.

After receipt of the compliance report on fulfilment of the conditions mentioned above, the proposal shall be considered for final approval under Section-2 of the Forest (Conservation) Act, 1980.

Yours faithfully,

Shy 2/2/12
(S. P. Singh)
Sr. Assistant Inspector General of Forests.

Copy to:-

1. The Principal Chief Conservator of Forests Government of Jharkhand, Ranchi.
2. The Nodal Officer, Office of the PCCF, Government of Jharkhand, Ranchi.
3. The Chief Conservator of Forest, Regional Office, Bhubaneshwar.
4. User Agency
5. Monitoring Cell, FC Division.
6. Guard file.

Shy 2/2/12
(S. P. Singh)
Sr. Assistant Inspector General of Forests

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Purchased by	:	NTPC LTD
Description of Document	:	Article 5 General Agreement
Property Description	:	Not Applicable
Consideration Price (Rs.)	:	0 (Zero)
First Party	:	NTPC LTD
Second Party	:	Not Applicable
Stamp Duty Paid By	:	NTPC LTD
Stamp Duty Amount(Rs.)	:	500 (Five Hundred only)

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THE ALLOTMENT AGREEMENT BY AND BETWEEN THE PRESIDENT OF INDIA AND NTPC LIMITED IN RESPECT OF KERANDARI COAL MINE

This Stamp-paper forms an integral part of this deed of Allotment Agreement.

Vivek Bharadwaj

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NTPC Limited NTPC NEW DELHI

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Location: NTPC Limited

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This Allotment Agreement is made by and between following:

PARTIES:

1 **The President of India**, acting through the Central Government represented by the Nominated Authority appointed under Section 6 of the Coal Mines (Special Provisions) Ordinance, 2014) read with Coal Mines (Special Provisions) Second Ordinance, 2014 (the "**Nominated Authority**").

2 **NTPC Limited** incorporated in India under the Companies Act, 1956 with corporate identity number L40101DL1975GOI007966, whose registered office is at NTPC Bhawan, Scope Complex, 7, Institutional Area, Lodhi Road, New Delhi – 110003, India (the "**Allottee**").

BACKGROUND:

A. The Supreme Court of India through its judgment dated August 25, 2014 read with its order dated September 24, 2014 (collectively the "**Supreme Court Judgment**") had cancelled allotment of 204 coal blocks.

B. Subsequent to the Supreme Court Judgment, the Coal Mines (Special Provisions) Ordinance, 2014 read with Coal Mines (Special Provisions) Second Ordinance, 2014 (collectively the "**Ordinance**") were promulgated and the Coal Mines (Special Provisions) Rules, 2014 (the "**Rules**") were framed for auction and allotment of all blocks which were subject to cancellation pursuant to the Supreme Court Judgment.

C. The Coal Mine (*as defined in Clause 1.1.18*) was included in the list of such 204 coal blocks and accordingly, its allotment to the Prior Allottee (*as defined in Clause 1.1.40*) was cancelled pursuant to the Supreme Court Judgment, with effect from the 'appointed date' (as defined in the Ordinance).

D. Thereafter, the Central Government issued an order under Rule 8(2) of the Rules, dated December 18, 2014, as amended, to the Nominated Authority for allotment of the Coal Mine pursuant to Section 5 of the Ordinance. In such order, generation of power was the "**Specified End Use**" with respect to the Coal Mine.

E. Pursuant to an allotment process conducted in accordance with the Ordinance, the Rules, the Allotment Document, dated February 18, 2015 and receipt of a direction from the Central Government under Rule 11(9) of the Rules, the Allottee has become entitled to enter into an agreement with the Nominated Authority pursuant to Rule 13(5) of the Rules with respect to allocation of the Coal Mine to the Allottee for use in the Specified End Use Plant (*as defined in Clause 1.1.45*).

F. Accordingly, the Nominated Authority and the Allottee are entering into this Agreement

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with respect to matters related to allocation of the Coal Mine, including without limitation development of the Coal Mine and production and utilisation of coal from the Coal Mine.

NOW THEREFORE, in consideration of the mutual covenants, terms and conditions and understandings set forth in this Agreement, and other good and valuable consideration (the adequacy of which are hereby mutually acknowledged), the Parties with the intent to be legally bound hereby agree as follows:

1. DEFINITIONS AND INTERPRETATION

The definitions and rules of interpretation in this clause apply in this Agreement.

1.1. Definitions

1.1.1. "**Acceptable Bank**" shall mean a Scheduled Bank as listed in the Second Schedule of the Reserve Bank of India Act, 1934 excluding those listed under the headings of Gramin Banks, Urban Co-operative Banks and State Co-operative Banks.

1.1.2. "**Agreement**" means this Allotment Agreement and all attached annexure, schedules, exhibits and instruments supplemental to or amending, modifying or confirming this Agreement in accordance with the provisions of this Agreement.

1.1.3. "**Agreement Date**" shall mean the date on which execution of this Agreement by both the Allottee and the Nominated Authority is completed.

1.1.4. "**Allotment Conditions**" shall have the meaning given to such expression in Clause 3.1.

1.1.5. "**Allotment Date**" shall have the meaning given to such expression in Clause 4.3.

1.1.6. "**Allotment Document**" shall have the meaning given to it under the Rules and shall include the Allotment Document dated February 18, 2015 for allotment of the Coal Mine.

1.1.7. "**Allotment Order**" shall have the meaning given to such expression in the Ordinance and the Rules.

1.1.8. "**Applicable Law**" shall mean all applicable statutes, laws, by-laws, rules, regulations, orders, ordinances, protocols, codes, guidelines, policies, notices, directions, judgments, decrees or other requirements or official directive of any Governmental Authority or court or other law, rule or regulation approval from the relevant Governmental Authority, government resolution, directive, or other government restriction or any similar form of decision of, or determination by, or any interpretation or adjudication having the force of law in India.

1.1.9. "**Appropriation Event**" shall have the meaning given to such expression in Clause 6.2.1.

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1.1.10. "**Arrangement**" shall have the meaning given to such expression in Clause 8.3.1.

1.1.11. "**Arrangement Application**" shall have the meaning given to such expression in Clause 8.3.1.

1.1.12. "**Authorised Representative**" shall have the meaning given to such expression in Clause 4.4.

1.1.13. "**Business Day**" shall mean a day which is not a Saturday, Sunday or any other day declared as a public holiday by the Central Government.

1.1.14. "**Central Government**" shall mean the Government of India, acting through the Ministry of Coal.

1.1.15. "**CIL**" shall mean Coal India Limited (a Government of India undertaking).

1.1.16. "**CIL Notified Price**" shall mean the prevailing notified price of relevant grade(s) of coal by CIL or any of its subsidiaries, as may be territorially relevant to the Coal Mine, as on the date of sale of coal.

1.1.17. "**Claim**" shall have the meaning given to such expression in Clause 18.3.

1.1.18. "**Coal Mine**" shall mean the coal mine as more particularly described in SCHEDULE A.

1.1.19. "**Companies Act**" means the Companies Act, 1956 or the Companies Act, 2013, as applicable, as now enacted or as the same may from time to time be amended, re-enacted or replaced.

1.1.20. "**Control**" shall include the right to appoint majority of the directors or to control the management or policy decisions exercisable by a person or persons acting individually or in concert, directly or indirectly, including by virtue of their shareholding or management rights or shareholders agreements or voting agreements or in any other manner.

1.1.21. "**Commencement Plan**" shall have the meaning given to such expression in Clause 5.1.

1.1.22. "**Designated Bank Account**" shall mean the following bank account of the Nominated Authority:

Name of the bank: State Bank of India
Account number: 34823879210
Name of the account holder: Nominated Authority, Account -II (Allotment), Ministry of Coal, Government of India
IFSC Code: SBIN0003771

1.1.23. "**Diversion Notice**" shall have the meaning given to such expression in Clause 8.4.1.

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1.1.24. "**Efficiency Parameters**" shall have the meaning given to such expression in Clause 10.1.

1.1.25. "**Eligibility Conditions**" shall mean the eligibility conditions specified in the Ordinance and the Rules including all the eligibility conditions listed in Clause 3.2 of the Allotment Document.

1.1.26. "**Encumbrances**" means any mortgage, pledge, equitable interest, assignment by way of security, conditional sales contract, hypothecation, right of other Persons, claim, security interest, encumbrance, title defect, title retention agreement, voting trust agreement, interest, option, lien, charge, commitment, restriction or limitation of any nature whatsoever, including restriction on use, voting rights, transfer, receipt of income or exercise of any other attribute of ownership, right of set-off, any arrangement (for the purpose of, or which has the effect of, granting security), or any other security interest of any kind whatsoever, or any agreement, whether conditional or otherwise, to create any of the same.

1.1.27. "**Governmental Approval**" means any authorization, approval, consent, licence or permit required from any Governmental Authority.

1.1.28. "**Governmental Authority**" means any government authority, statutory authority, government department, agency, commission, board, tribunal or court or other law, rule or regulation making entity having or purporting to have jurisdiction on behalf of the Republic of India or any state or other subdivision thereof or any municipality, district or other subdivision thereof.

1.1.29. "**Event of Force Majeure**" shall have the meaning given to such expression in Clause 23.1.

1.1.30. "**Good Industry Practice**" means, in relation to any undertaking and any circumstances, the exercise of that degree of skill, diligence, prudence and foresight which would reasonably and ordinarily be expected from a skilled and experienced Person engaged in the same type of undertaking under the same or similar circumstances.

1.1.31. "**Indemnified Party**" shall have the meaning given to such expression in Clause18.1.

1.1.32. "**Mine Plan**" shall mean a plan which has been approved in accordance with the Applicable Laws in relation to the Coal Mine.

1.1.33. "**Mining Lease**" shall have the meaning given to such expression in Clause 5.3.1.

1.1.34. "**Monthly Payment**" shall have the meaning given to such expression in Clause 9.1.1.

1.1.35. "**Ordinance**" shall have the meaning given to such expression in Clause B of the Background.

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1.1.36. "**Other Plants**" shall have the meaning given to such expression in Clause 8.4.1.

1.1.37. "**Parties**" means and refers to the Nominated Authority and the Allottee collectively and "**Party**" refers to any one of them.

1.1.38. "**Performance Security**" shall have the meaning given to such expression in Clause 6.1.1.

1.1.39. "**Person**" means any individual, sole proprietorship, unincorporated association, body corporate, corporation, company, partnership, limited liability company, joint venture, Governmental Authority or trust or any other entity or organization.

1.1.40. "**Prior Allottee**" shall have the meaning given to it in the Ordinance and for the purposes of the Coal Mine, the Prior Allottee shall be NTPC Limited incorporated in India under the Companies Act with corporate identity number L40101DL1975GOI007966, whose registered office is at NTPC Bhawan, Scope Complex, 7, Institutional Area, Lodhi Road, New Delhi – 110003, India.

1.1.41. "**Reference Index**" shall have the meaning given to such expression in Clause 9.2.1.

1.1.42. "**Reserve Price**" shall mean INR 100/Tonne (Indian Rupees One hundred/Tonne).

1.1.43. "**Rules**" shall have the meaning given to such expression in Clause B of the Background.

1.1.44. "**Selectee**" shall have the meaning given to such expression in Clause19.3.3(b).

1.1.45. "**Specified End Use Plant**" shall mean the plant engaged in generation of power situated at Dist. Ambedkar Nagar, Uttar Pradesh, India, as prescribed for the Coal Mine under Rule 8(2) of the Rules, as more particularly described in SCHEDULE B.

1.1.46. "**State Government**" shall mean the Government of the state where the Coal Mine is located.

1.1.47. "**Substitution Notice**" shall have the meaning given to such expression in Clause19.3.3(b).

1.1.48. "**Supreme Court Judgment**" shall have the meaning given to such expression in Clause A of the Background.

1.1.49. "**Taxation**" (including with correlative meaning, the terms "**Tax**" and "**Taxes**") means (a) any and all taxes, assessments and other charges, duties, impositions and similar liabilities imposed by any Governmental Authority, including without limitation taxes based upon or measured by gross receipts, income, profits, sales and value added, withholding, payroll, excise and property taxes, together with all interest, penalties and additions imposed with respect to such amounts; (b) any liability for the payment of any

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taxes, assessments and other charges, duties, impositions and similar liabilities by the Allottee as a result of being a member of an affiliated, consolidated, combined or unitary group for any period; and (c) any taxes, assessments and other charges, duties, impositions and similar liabilities for the payment of any amounts by the Allottee as a result of any express obligation to indemnify any other Person or as a result of any obligation under any agreement or arrangement with any other Person with respect to such amounts and including any liability for Taxes of a predecessor entity.

1.1.50. "**Third Party**" means any Person that is not a signatory to this Agreement.

1.1.51. "**Term**" shall have the meaning given to such expression in Clause 24.2.

1.1.52. "**Termination Event**" shall have the meaning given to such expression in Clause24.3.1.

1.1.53. "**Upfront Amount**" shall mean an amount equal to INR 54,43,25,721 (Indian Rupees Fifty Four Crore Forty Three Lakh Twenty Five Thousand Seven Hundred and Twenty One) payable by the Allottee in terms of Clause 5.2.

1.1.54. "**Warranties**" shall have the meaning given to such expression in Clause 17.1.

1.2. **Interpretation**

1.2.1. Any reference to any statute or statutory provision shall include:

(i) all subordinate legislation made from time to time under that provision (whether or not amended, modified, re-enacted or consolidated);

(ii) such provision as from time to time amended, modified, re-enacted or consolidated (whether before or after the date of this Agreement) to the extent such amendment, modification, re-enactment or consolidation applies or is capable of applying to any transactions entered into under this Agreement prior to the Agreement Date and (to the extent liability there under may exist or can arise) shall include any past statutory provision (as from time to time amended, modified, re-enacted or consolidated) which the provision referred to has directly or indirectly replaced;

1.2.2. Unless the context otherwise requires, words in the singular shall include the plural and the plural shall include the singular.

1.2.3. References to the masculine, the feminine and the neuter shall include each other.

1.2.4. References to a "**company**" shall include a company, corporation or other body corporate, wherever and however incorporated or established.

1.2.5. The recitals and schedules form part of this Agreement and shall have the same force and

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effect as if expressly set out in the body of this Agreement, and any reference to this Agreement shall include any recitals and schedules to it. Any references to clauses and schedules are to clauses and schedules to this Agreement. Any references to parts or paragraphs are, unless otherwise stated, references to parts or paragraphs of the schedule in which the reference appears.

1.2.6. A reference to **this Agreement** or **any other document** shall be construed as references to this Agreement or that other document as amended, varied, novated, supplemented or replaced from time to time.

1.2.7. A reference to **this Clause** shall, unless followed by reference to a specific provision, be deemed to refer to the whole Clause (not merely the sub-Clause, paragraph or other provision) in which the expression occurs.

1.2.8. A reference to a **party** shall include that party's representatives, successors and permitted assigns.

1.2.9. Each of the representations and warranties provided in this Agreement is independent of other representations and warranties and unless the contrary is expressly stated, no Clause in this Agreement limits the extent or application of another Clause.

1.2.10. Headings to Clauses, parts and paragraphs of schedules and schedules are for convenience only and do not affect the interpretation of this Agreement.

1.2.11. A reference to "**in writing**" includes any communication made by letter or fax **but not e-mail** (unless otherwise expressly provided in this Agreement).

1.2.12. Unless otherwise specified, any reference to a time of day is to Indian Standard Time.

1.2.13. Any words following the terms **including, include, in particular, for example or any similar expression** shall be construed as illustrative and shall not limit the sense of the words, description, definition, phrase or term preceding those terms.

1.2.14. Where the context permits, **other** and **otherwise** are illustrative and shall not limit the sense of the words preceding them.

1.2.15. References to a document in **agreed form** are to that document in the form agreed by the parties and initialled by them or on their behalf for identification.

1.2.16. Any obligation on a party not to do something includes an obligation not to allow that thing to be done.

2. ALLOCATION OF THE COAL MINE

2.1. The Allottee hereby represents and warrants to the Nominated Authority that it has

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complied with all the terms and conditions of the Ordinance, the Rules, the Allotment Document and other Applicable Laws, as were required to be complied with by the Allottee, with respect to allotment process for the Coal Mine and the Allottee is eligible in all respects to receive allocation of the Coal Mine. The Allottee also represents and warrants to the Nominated Authority that it is in compliance with all the Eligibility Conditions and would continue to be in compliance with all the Eligibility Conditions during the Term.

2.2. Relying on the representations and warranties of the Allottee and the information, documents and other undertaking provided by the Allottee, including the Warranties provided under Clause 17, the Nominated Authority is pleased to enter into this Agreement with the Allottee for allocation of the Coal Mine to the Allottee subject to terms and conditions specified in this Agreement.

3. CONDITIONS FOR ALLOTMENT

3.1. Allotment Conditions

The issuance of the Allotment Order in favour of the Allottee shall be subject to satisfaction of the following conditions (collectively the "**Allotment Conditions**"):

(a) the Allottee continuing to be in compliance with all the Eligibility Conditions;

(b) the Allottee having paid the first instalment of the Upfront Amount, in accordance with Clause 5.2.1;

(c) the Allottee having furnished the Performance Security;

(d) the Allottee having deposited an amount equal to INR 0 (Indian Rupees Zero), being the Fixed Amount, in the Designated Bank Account;

(e) only in the event that the Allottee is a Prior Allottee for the Coal Mine or any other Schedule I coal mine (as defined in the Ordinance), the Allottee having paid the Additional Levy within the due date for payment of such Additional Levy as specified in Rule 18 of the Rules; and

(f) The Allottee having provided a written intimation to the Nominated Authority in substantially the same form as provided in SCHEDULE C regarding: (i) the movable property which the Allottee has not negotiated to own or utilise and which it intends to move and store under Section10(4) of the Ordinance; (ii) the contracts which the Allottee is desirous of adopting under Section 11(1) of the Ordinance, including contracts with secured creditors; and matters incidental thereto.

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3.2. **Completion of Allotment Conditions and Notice**

3.2.1. Upon satisfaction of each of the Allotment Conditions specified in Clause 3.1, the Allottee shall provide a written notice to the Nominated Authority in substantially the same format as provided in SCHEDULE D (the "**Completion Notice**")

3.2.2. In the event the Allottee does not provide a Completion Notice with respect to each of the Allotment Conditions listed in Clauses 3.1(a); 3.1(b); 3.1(c); 3.1(d); 3.1(e) (in cases where the Allottee is a Prior Allottee for the Coal Mine or any other Schedule I coal mine (as defined in the Ordinance)) and Clause 3.1(f), within 30 Days of the Agreement Date, then the Nominated Authority may terminate this Agreement without incurring any liability whatsoever by providing a written notice to the Allottee. It is clarified that in such event the Allottee shall not be entitled to receive the Allotment Order and the Nominated Authority shall be entitled to dispose the Coal Mine in the manner provided in the Ordinance and the Rules, including through re-auction/re-allotment or through appointment of a designated custodian.

3.2.3. If the Allottee does not provide a Completion Notice with respect to 3.1(f) and fails to provide a written intimation in substantially the same form as provided in SCHEDULE C within 30 Days of the Agreement Date, then it shall be deemed that the Allottee is not desirous of owning or utilising any movable property or continuing any contract. In such cases, without prejudice to Clause 3.2.2, the Nominated Authority may elect to issue the Allotment Order without including aforementioned particulars in the Allotment Order; if all other Allotment Conditions have been satisfied by the Allottee and corresponding Completion Notice have been provided to the Nominated Authority.

4. THE ALLOTMENT ORDER

4.1. Upon receipt of the Completion Notice evidencing compliance with each of the applicable Allotment Conditions, the Nominated Authority may issue the Allotment Order, subject to the Ordinance, the Rules, the Allotment Document and other Applicable Laws, in the manner provided in this Clause 4.

4.2. The Allotment Order shall be issued by the Nominated Authority in substantially the same format as specified by the Central Government.

4.3. Prior to issuance of the Allotment Order, the Nominated Authority shall provide a written notice to the Allottee specifying the date of the Allotment Order (the "**Allotment Date**") and the date and time on which and place from where the Allotment Order may be collected by the Allottee.

4.4. The Allottee shall depute an authorised representative of the Allottee ("**Authorised Representative**") to receive the Allotment Order on behalf of the Allottee on the date,

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time and place specified by the Nominated Authority under Clause 4.3.

4.5. The Authorised Representative shall be provided the Allotment Order in duplicate and shall be required to acknowledge the receipt of the Allotment Order. In the event, the Authorised Representative is not present on the date and time specified by the Nominated Authority under Clause 4.3, then the Nominated Authority shall dispatch the Allotment Order by registered post with acknowledgment due, to the registered office of the Allottee.

4.6. The Allottee shall, within seven Business Days of the receipt of the Allotment Order through the Authorised Representative or through registered post, as the case may be, sign and return the duplicate copy of the Allotment Order in acknowledgement thereof. In the event the duplicate copy of the Allotment Order duly signed by the Allottee is not received by the aforementioned date, the Nominated Authority may, unless it consents to extension of time for submission thereof, appropriate the Performance Security and other payments made by such Allottee as damages and also terminate this Agreement and cancel and withdraw the Allotment Order.

5. POST ALLOTMENT OBLIGATIONS

5.1. Commencement Plan

5.1.1. Within 30 Business Days of the date of the Allotment Order, the Allottee shall be required to submit a detailed plan (the "**Commencement Plan**") towards commencement of mining operations at the Coal Mine. The Commencement Plan shall include all actions that the Allottee may be required to perform to commence mining operations at the Coal Mine and shall include such information as may be required by the Nominated Authority, including without limitation, information regarding the following:

(a) the Governmental Approvals, including the Mining Lease which shall be required for commencement of mining operations at the Coal Mine and the time within which the Allottee would make applications for such Governmental Approvals; and

(b) revisions to the Mine Plan if any, as may be proposed by the Allottee.

5.1.2. The Commencement Plan shall be prepared by the Allottee to ensure strict compliance with the Efficiency Parameters.

5.2. Payment of the Upfront Amount

5.2.1. *First Instalment of fifty per cent*

The first instalment of fifty per cent of the Upfront Amount being an amount equal to INR 27,21,62,860.50 (Indian Rupees Twenty Seven Crore Twenty One

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Lakh Sixty Two Thousand Eight Hundred Sixty and Fifty Paise), shall be deposited by the Allottee in the Designated Bank Account in the manner provided in Clause 3.1(b) as an Allotment Condition.

5.2.2. *Second Instalment of twenty five per cent*

The second instalment of twenty five per cent of the Upfront Amount being an amount equal to INR 13,60,81,430.25 (Indian Rupees Thirteen Crore Sixty Lakh Eighty One Thousand Four Hundred Thirty and Twenty Five Paise), shall be deposited by the Allottee in the Designated Bank Account, on or prior to expiry of 15 Business Days from the date of execution of the Mining Lease by the relevant State Government.

5.2.3. *Third Instalment of twenty five per cent*

The third instalment of twenty five per cent of the Upfront Amount being an amount equal to INR 13,60,81,430.25 (Indian Rupees Thirteen Crore Sixty Lakh Eighty One Thousand Four Hundred Thirty and Twenty Five Paise), shall be deposited by the Allottee in the Designated Bank Account, on or prior to expiry of 15 Business Days from the date of grant of mine opening permission from the state pollution control board of the relevant State where the Coal Mine is located..

5.2.4. *Failure to pay the Upfront Amount*

In the event the Allottee fails to pay the second instalment or the third instalment of the Upfront Amount within the time specified in Clause 5.2.2 or Clause 5.2.3, respectively, then the Nominated Authority shall be entitled to appropriate the Performance Security in the manner stipulated in Clause 6 (PERFORMANCE SECURITY) and such failure may also result in termination of this Agreement as provided in Clause 24 (EFFECTIVE DATE, TERM AND TERMINATION).

5.3. **The Mining Lease**

5.3.1. Pursuant to Section 8(4)(b) and Section 8(8), read with Section 8(12) of the Ordinance, the Allottee shall become entitled to the mining lease with respect to the Coal Mine (the "**Mining Lease**") to be granted by the State Government upon issuance of the Allottee Order.

5.3.2. The Allottee shall promptly upon issuance of the Allotment Order make an application to the State Government for grant of a Mining Lease in the name of the Allottee.

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6. PERFORMANCE SECURITY AND APPROPRIATION

6.1. Performance Security

6.1.1. The Allottee shall provide an irrevocable and unconditional guarantee from an Acceptable Bank payable at Delhi for an amount equal to INR 1,32,24,00,000 (Indian Rupees One Hundred Thirty Two Crore and Twenty Four Lakh) (the "**Performance Security**") in substantially the same form as provided in SCHEDULE F for the performance of its obligations within such time as specified in Clause 3.2.2

6.1.2. The Performance Security shall be an amount which is equal to aggregate of: (a) one year royalty calculated on the basis of peak rated capacity of the Coal Mine as per the approved Mine Plan, payable to respective State Government with respect to the Coal Mine; and (b) the annual peak rated capacity of the Coal Mine as per the approved Mine Plan multiplied by the Reserve Price.

6.1.3. In case of any revision in the Mine Plan in accordance with Clause 14, the amount of Performance Security shall be revised accordingly.

6.1.4. In such case, bank guarantee constituting the Performance Security shall be substituted with another bank guarantee of the enhanced value issued in accordance with this Clause 6, within a period of 15 Business Days of receipt of approval for revision to the Mine Plan.

6.1.5. The Performance Security should remain valid until such time when the Coal Mine achieves the annual peak rated capacity.

6.2. Events for appropriation of the Performance Security

6.2.1. The Performance Security may be appropriated by the Nominated Authority upon occurrence of any of the following events (the "**Appropriation Event**"), to be determined by the Nominated Authority in its sole discretion:

(a) failure of the Allottee to provide the duly acknowledged duplicate copy of the Allotment Order as required under Clause 4.6;

(b) failure of the Allottee to make payment of the first instalment, second instalment or the third instalment of the Upfront Amount within the time specified in Clause 3.1(b), Clause 5.2.2 or Clause 5.2.3, respectively;

(c) failure of submission of Commencement Plan within the time specified in Clause 5.1.1;

(d) failure of the Allottee to comply with the Efficiency Parameters as required under

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Clause 10;

(e) any change in Control or transfer of right, title or interest in the Coal Mine which is not in conformity with Clause 13;

(f) failure to make payment of the Monthly Payment in accordance with this Agreement;

(g) any utilisation of coal which is not in conformity with Clause 8; or

(h) any other breach or non-compliance of any of the provisions of this Agreement including in case of the Warranties being untrue or misleading or incorrect in any manner whatsoever.

6.2.2. Provided however that in the event an Appropriation Event has occurred solely on account of an Event of Force Majeure as provided in Clause 23, which could not have been mitigated by the Allottee through Good Industry Practice, then the Performance Security shall not be appropriated for such specific Appropriation Event.

6.3. **Manner of appropriation of the Performance Security**

6.3.1. Upon occurrence of an Appropriation Event, to be determined by the Nominated Authority, the Nominated Authority shall have the unconditional right to appropriate the Performance Security by providing a written notice to the Allottee, in the following proportion:

#	Appropriation Event	Amount of the Performance Security to be appropriated
1.	Failure of the Allottee to provide the duly acknowledged duplicate copy of the Allotment Order as required under Clause 4.6	Entire Performance Security.
2.	Failure of the Allottee to make payment of the first instalment, second instalment or the third instalment of the Upfront Amount within the time specified in Clause 3.1(b), Clause 5.2.2 or Clause 5.2.3, respectively	An amount equal to the first instalment, and/or second instalment and/or third instalment of the Upfront Amount together with 12% per annum simple interest on such amount starting from the date on which such amount was due and until the date of appropriation

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#	Appropriation Event	Amount of the Performance Security to be appropriated
		of the Performance Security.
3.	Failure of submission of Commencement Plan within the time specified in Clause 5.1.1	An amount equal to 10% of the Performance Security
4.	Failure of the Allottee to comply with the Efficiency Parameters as required under Clause 10	Such per cent of the Performance Security for each failure to comply with the Efficiency Parameters as specified in SCHEDULE E.
5.	Any change in Control or transfer of right, title or interest in the Coal Mine which is not in conformity with Clause 13	Entire Performance Security.
6.	Any utilisation of coal which is not in conformity with Clause 8	Entire Performance Security.
7.	Failure of the Allottee to make payment of the Monthly Payment	The amount of Monthly Payment due and payable, along with a simple interest of twelve per cent per annum, starting from the date on which such amount was due and until the date of appropriation of the Performance Security.
8.	Any other breach or non-compliance with any of the provisions of this Agreement, including in case of the Warranties being untrue or misleading or incorrect in any manner whatsoever.	Such proportion as may be determined by the Nominated Authority in its sole discretion.

6.3.2. Any Appropriation Event resulting in appropriation of the entire Performance Security shall be a Termination Event for the purposes of Clause 24 (EFFECTIVE DATE, TERM AND TERMINATION).

6.3.3. In the event of a part appropriation of the Performance Security, the Allottee shall be

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required to: (i) rectify the Appropriation Event; and (ii) top-up the bank guarantee constituting the Performance Security within fifteen Business Days of receipt of a notice under Clause 6.3.1, failure to do so shall be a Termination Event for the purposes of Clause 24 (EFFECTIVE DATE, TERM AND TERMINATION). Appropriation Event, except as mentioned in clause 6.2.1(d), shall be rectified within seven Business Days of receipt of a notice under Clause 6.3.1. Appropriation Event mentioned in clause 6.2.1 (d) shall be rectified within the time specified in SCHEDULE E.

6.3.4. In the event that on account of one or more Appropriation Events, an amount equal to hundred per cent of the Performance Security is appropriated in aggregate in one or more instances, the same shall be a Termination Event for the purposes of Clause 24(EFFECTIVE DATE, TERM AND TERMINATION).

7. INFORMATION

7.1. In addition to information that may be required to be provided in accordance with Applicable Laws, the Allottee shall provide periodic reports to the Nominated Authority (or such other Governmental Authority as may be specified by the Nominated Authority) regarding mining operations at the Coal Mine, including compliance with the Efficiency Parameters, in accordance with the following provisions:

(a) Pre-Commencement Report

Prior to commencement of mining operations at the Coal Mine, the Allottee shall provide a written intimation ("**Pre-commencement Report**") to the Nominated Authority and the Central Government once every thirty calendar days regarding the following:

(i) the actions taken by the Allottee towards commencement of the mining operations at the Coal Mine, including compliance with the Commencement Plan;

(ii) any deviations from the Commencement Plan, the reasons for such deviations and the steps taken by the Allottee to rectify such deviation; and

(iii) whether in the opinion of the Allottee, it shall be able to commence mining operations at the Coal Mine within the time mentioned in the Commencement Plan.

The Allottee shall also inform the Nominated Authority in writing within 3 Business Days of receipt of the mine opening permission from the state pollution control board of the relevant State where the Coal Mine is located.

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(b) ***Commencement Report***

Within three Business Days of the commencement of mining operations at the Coal Mine, the Allottee shall provide a written intimation to the Nominated Authority confirming commencement of mining operations at the Coal Mine (the "**Commencement Report**").

(c) ***Monthly Report***

Subsequent to the Commencement Report, the Allottee shall provide a written intimation ("**Monthly Report**") to the Coal Controller's Organisation within seven Business Days of end of each calendar month comprising: (i) a declaration regarding compliance with the Efficiency Parameters in the immediately preceding calendar month. In the event of a non-compliance with the Efficiency Parameters, complete particulars of the same, including the reasons for such non-compliance, and the corrective steps proposed to be undertaken; and (ii) such other information as may be required to be provided by the Nominated Authority.

(d) ***Yearly Report***

Within seven Business Days of conclusion of the annual general meeting of the Allottee, it shall provide the following information to the Coal Controller's Organisation:

(i) two certified copies of its balance sheets, cash flow statement and profit and loss account, along with a report thereon by its statutory auditors; and

(ii) such other information as may be required to be provided, by the Nominated Authority.

7.2. The Pre-Commencement Report, the Commencement Report, the Monthly Report and the Yearly Report shall be provided to the Nominated Authority or the Coal Controller's Organisation as attachments to an email addressed to the following e-mail address: (i) nomauthority.moc@nic.in in case of the Nominated Authority; or (ii) coalcont-wb@nic.in in case of the Coal Controller's Organisation. Such attachments must be digitally signed by the Allottee using a Class III digital signature certificate issued by a certifying authority in India.

7.3. The Nominated Authority shall have the right to seek such further information regarding the Pre-Commencement Report, the Commencement Report, the Monthly Report or the Yearly Report and also seek independent verification of the same.

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8. UTILISATION OF COAL

8.1. Utilisation of Coal in the Specified End Use Plant

Except as otherwise provided in this Clause 8, the coal extracted from the Coal Mine shall be utilised by the Allottee strictly in the Specified End Use Plant; and shall not be utilised for any other purpose whatsoever, either directly or indirectly.

8.2. Middling or washery rejects

8.2.1. The Allottee shall adhere to Good Industry Practice with respect to mining of coal and make best efforts to reduce generation of middling or washery rejects and utilise the same in any captive power plant of the Allottee. In any case the middling or washery rejects generated from the Coal Mine shall not exceed normative limits.

8.2.2. Any middling or washery rejects generated from the Coal Mine may be sold by the Allottee and the Allottee shall maintain separate records for the middling or washery rejects generated, utilised and sold. However, the middling or washery rejects generated from the Coal Mine should in no event, exceed the normative limits.

8.3. Arrangements for optimal utilisation

8.3.1. In terms of Section 20 of the Ordinance and Rule 19 of the Rules, the Allottee shall be permitted to enter into arrangements for optimum utilisation of the Coal Mine (the "**Arrangement**"). In the event the Allottee is desirous of entering into an Arrangement, it shall make an application (the "**Arrangement Application**") to the Central Government in accordance with Rule 19 of the Rules.

8.3.2. The Arrangement Application shall be filed by the Allottee prior to undertaking any Arrangement and no Arrangement shall be given effect to until the Arrangement Application has been approved by the Central Government.

8.3.3. The Arrangement Application shall be made in writing and shall include complete particulars of the proposed Arrangement, including the particulars required to be provided under Rule 19(2) of the Rules i.e. (a) parties to the proposed Arrangement; (b) the proposed Arrangement; (c) the manner in which such Arrangement would achieve optimal utilisation of the relevant coal mines and cost efficiencies.

8.3.4. In the event that the Central Government grants its approval to the Arrangement, then prior to implementation of the Arrangement, the Allottee shall provide to the Central Government duly certified copy of all agreements and other documents related to the Arrangement.

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8.4. **Utilisation in any other plant of the Allottee**

8.4.1. In the event that the Allottee is desirous of utilising the coal extracted from the Coal Mine in any other plants of the Allottee or its subsidiary company (in terms of the Companies Act, 2013) engaged in the same specified end use as the Specified End Use Plant ("**Other Plant(s)**") pursuant to Section 20(2) of the Ordinance, then the Allottee shall provide a written intimation ("**Diversion Notice**") to the Central Government.

8.4.2. In accordance with Rule 20(2) of the Rules, the Diversion Notice shall be provided at least thirty Business Days prior to the intended date of such utilisation.

8.4.3. In the event that, upon submission of the Diversion Notice the Central Government seeks further information regarding the aforementioned utilisation, then the Allottee shall provide the same within seven Business Days. The Allottee shall not utilise the coal extracted from the Coal Mine in any Other Plant(s) if: (i) the Central Government determines in its sole discretion that such utilisation is not in accordance with Section 20(2) of the Ordinance or Rule 20(2) of the Rules; or (ii) information regarding compliance with Section 20(2) of the Ordinance or Rule 20(2) of the Rules with respect to such utilisation is not provided to the Central Government in the manner stipulated under this Clause 8.4.

8.4.4. The Diversion Notice shall include complete particulars of the proposed utilisation of coal extracted from the Coal Mine in any Other Plant, including without limitation:

(i) name and address of the Other Plant(s);

(ii) the ownership of the Other Plant(s). It is clarified that such Other Plant(s) should be owned solely by the Allottee or its subsidiary company (in terms of the Companies Act, 2013) to be eligible to get coal in terms of Section 20(2);

(iii) the mechanism for transportation of coal from the Coal Mine to the Other Plant(s);

(iv) the requirement of coal of the Other Plant(s); the sources from which such requirement is being met; and the per cent of such requirement being proposed to be met from the Coal Mine; and the manner in which such diversion would affect the Specified End Use Plant originally associated with the Coal Mine.

8.4.5. In the event that coal extracted from the Coal Mine is being diverted to any Other Plant(s) pursuant to this Clause 8.4, then the Allottee or any of its subsidiary company owning such Other Plant(s) shall also be required to adhere to the stipulations under this Agreement with respect to the utilisation of coal from the Coal Mine and the Specified End Use and any Applicable Law.

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8.5. **Sale to CIL**

8.5.1. Any coal extracted from the Coal Mine which is in excess of the requirements of coal for the Specified End Use Plant and the Other Plant(s) shall be required to be supplied to CIL at the CIL Notified Price.

8.5.2. It is clarified that for the purposes of sale of coal to CIL, the determination of grade of coal shall be based on joint analysis of coal carried out by the Allottee and CIL. It is further clarified that, the Allottee shall continue to make Monthly Payments with respect to the coal extracted from the Coal Mine as per Clause 9 including on the coal sold to CIL.

8.5.3. All Taxes applicable on such sale of coal shall be payable additionally.

9. MONTHLY PAYMENTS AND ESCALATION

9.1. **Monthly Payment**

9.1.1. The Allottee shall be required to make monthly payments (the "**Monthly Payment**") with respect to the coal extracted from the Coal Mine on the basis of the Reserve Price (as escalated in accordance with Clause 9.2).

9.1.2. The Monthly Payment is required to be made in the Designated Bank Account within 20 calendar days of expiry of each month with respect to coal extracted from the Coal Mine in such calendar month.

9.1.3. All payments required to be made by the Allottee shall be made net of all applicable Taxes. In the event, Taxes are payable, the Allottee shall gross-up the amount payable and make payment of the aggregate amount.

9.2. **Escalation**

9.2.1. For the purposes of computation of the Monthly Payment, the Reserve Price shall be subject to an escalation on a year-on-year basis every financial year on the basis of the pre-specified escalation formula that is prescribed in the relevant Standard Bidding Document for Design, Build, Finance, Own and Operate (DBFOO) bidding as formulated by Ministry of Power for escalation of fuel cost from captive mines (the "**Reference Index**"), and the Reserve Price shall stand increased by the per cent increase of the Reference Index on a year-on-year basis. It is clarified that for the purposes of escalation in a subsequent financial year, the escalated Reserve Price of the immediately preceding year shall be considered. The last published Reference Index shall be used for computing the escalation. The subject escalation would be applicable after the issuance of the Allotment Order.

9.2.2. In the event that the failure of the Allottee to make payment of the Monthly Payment

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exceeds for more than three instances, such non-compliance may also result in termination of this Agreement as provided in Clause 24 (EFFECTIVE DATE, TERM AND TERMINATION).

9.3. It is clarified that in addition to the aforementioned payments any royalty payable under Applicable Laws shall be payable additionally.

10. EFFICIENCY PARAMETERS

10.1. The conduct of mining operations at the Coal Mine shall be subject to the milestones listed in SCHEDULE E (the "**Efficiency Parameters**").

10.2. The Allottee would provide periodic information to the Nominated Authority and the Central Government regarding compliance with the Efficiency Parameters in the manner stipulated in Clause 7 (INFORMATION).

10.3. Any non compliance with the Efficiency Parameters would result in appropriation of the Performance Security in the manner stipulated in Clause 6 (PERFORMANCE SECURITY) and in case where such non-compliance exceeds for more than five instances, such non-compliance may also result in termination of this Agreement as provided in Clause 24 (EFFECTIVE DATE, TERM AND TERMINATION).

11. GENERAL RIGHTS AND OBLIGATIONS

11.1. Limited Mining Rights

The Allottee shall be entitled to receive a Mining Lease for conduct of mining operations only in the Coal Mine and shall not be entitled to conduct the mining operations in any other area pursuant to this Agreement. The rights granted to the Allottee herein to conduct mining operations are exclusive within the Coal Mine. The Government undertakes not to grant any rights to mine coal in the Coal Mine to any Third Party during the Term.

11.2. Authorisations

The Allottee shall obtain and maintain all Governmental Approvals required for conducting the mining operations at the Coal Mine and performing its obligations under this Agreement. The Government undertakes, on a no-obligation basis, to expeditiously provide all necessary approvals and assistance for conducting mining operations and as otherwise may be reasonably required by the Allottee in relation to the rights granted to it under this Agreement.

11.3. Geological and Archaeological Finds

It is expressly agreed that other than rights to mine for coal (as may be granted under any

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Mining Lease pursuant hereto), geological or archaeological rights do not form part of the rights granted to the Allottee under this Agreement and the Allottee hereby acknowledges that except in relation to coal (as may be granted under any Mining Lease pursuant hereto), it shall not have any mining rights or interest in the underlying minerals, metals (including gold, silver etc.), gas, oil, fossils, antiquities, structures or other remnants or things either of particular geological or archeological interest and that such rights, interest and property on or under the Coal Mine shall vest in and belong to the relevant Central/ State Government or the concerned Governmental Authority. The Allottee shall take all reasonable precautions to prevent its workmen or any other person from removing or damaging such interest or property and shall inform the relevant Central/ State Government forthwith of the discovery thereof and comply with such instructions as the concerned Governmental Authority may reasonably give for the removal of such property.

11.4. **Health, Safety, Welfare, Social Security and Minimum Wages**

11.4.1. The Allottee shall comply with all Applicable Laws and observe Good Industry Practice for the protection of the general health, safety, welfare, social security and minimum wages of employees engaged at the Coal Mine, including employees of any contractor or sub-contractor and of all other persons having legal access to the area covered by this Agreement.

11.4.2. Without prejudice to the generality of the foregoing, the Allottee shall ensure payment of minimum wages to the employees engaged at the Coal Mine and in related activity including employees of any contractor or sub-contractor.

11.4.3. The Allottee shall install and utilize such recognized modern safety devices and observe such recognized modern safety precautions as are provided and observed under Good Industry Practice. The Allottee shall maintain in a safe and sound condition for the duration of this Agreement all infrastructure and equipment constructed or acquired in connection with mining operations and required for ongoing operations.

11.4.4. The Allottee shall train employees engaged at the Coal Mine, including employees of any contractor or sub-contractor and of all other persons having legal access to the area covered by this Agreement, in accordance with the Good Industry Practice.

11.4.5. The Allottee shall construct, maintain, and operate health programs and facilities to serve the employees engaged at the Coal Mine, including employees of any contractor or sub-contractor and of all other persons having legal access to the area covered by this Agreement, which programs and facilities shall install, maintain and use modern health devices and equipment and shall practice modern health procedures and precautions in accordance with Good Industry Practice.

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11.4.6. Without prejudice to the generality of the foregoing, in the event the Allottee provides housing, the same shall be built to a standard that provides suitable living environments adequate for health and well-being, and which meet applicable sanitation standards in terms of Good Industry Practice.

12. CONTRACTORS AND SUB-CONTRACTORS

12.1. In the event the Allottee enters into any agreement with any contractor in relation to the mining operations at the Coal Mine, then a duly certified copy of such agreement shall also be submitted to the Nominated Authority within fifteen Business Days of its execution.

12.2. Any Agreement between the Allottee and its contractors shall contain appropriate terms by which the contractor shall acknowledge and comply with the terms of this Agreement and the contractor shall also cause its sub-contractors to acknowledge and comply with the same.

12.3. Nothing in this Agreement shall exempt the Allottee from any and all obligations under this Agreement despite the delegation of such obligations to a contractor or its subcontractors.

12.4. Terms and Conditions for appointment of contractor(s) in relation to coal mining operations may be formulated in line with the terms and conditions specified in the Auction by Competitive Bidding of Coal Mines Rules, 2012 (as amended by notification dated 27.12.2012) framed under Sec. 11A of the MMDR Act. The terms and conditions may be as follows:

12.4.1. In case the Coal Mine is developed through contractor(s), the selection of the contractor(s) in relation to coal mining operation shall be through a competitive bidding process and the Allottee company shall inform the State Government concerned, the Central Government and the Nominated Authority about the engagement of such contractor(s) and the terms and conditions of such engagement, as soon as it is finalised.

12.4.2. The Allottee shall ensure that the criteria of bidding for engagement of the contractor(s) are not linked to CIL Notified Price.

12.4.3. The contractor(s) shall maintain all records as required to be maintained and shall provide such records for the inspection by the Allottee, the State Government concerned, the Central Government and the Nominated Authority.

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13. CHANGE IN CONTROL AND TRANSFER

13.1. Change in Control of the Allottee

13.1.1. Change in Control of the Allottee or any transfer of the Specified End Use Plant along with the rights in relation to the Coal Mine, shall be permissible with prior intimation to the Nominated Authority and the Central Government if:

(a) such change in Control does not result in the Allottee becoming non compliant with any of the Eligibility Conditions or the transferee is also compliant with the applicable Eligibility Conditions, as the case may be. It is clarified that no company other than a Government company or corporation shall be permitted to hold more than twenty-six per cent of the paid up share capital in the Allottee, either directly or through any of its subsidiary company or associate company; and

(b) such change in Control or transfer does not require any prior consent, approval, no-objection certificate or the like under any Applicable Law.

13.1.2. In the event that any change in Control of the Allottee or any proposed transfer of the Specified End Use Plant along with the rights in relation to the Coal Mine requires prior Governmental Approval under any Applicable Laws, then such Governmental Approval shall be granted (in addition to any other requirement under Applicable Law) only if:

(a) the transferee of such right, title or interest or the Allottee subsequent to change of Control, as the case may be, also meets all the applicable Eligibility Conditions; or

(b) the Allottee continues to meet all the applicable Eligibility Conditions, as the case may be

13.2. Change in Control in case of a joint venture

13.2.1. In the cases where allotment has been made to a joint venture of any two or more Government companies or corporations, such companies shall be prohibited from alienating or transferring any interest, except for taking of loans or advances from a bank or financial institution, in the joint venture of whatsoever nature including ownership in favour of a Third Party.

13.3. Consequences of default

13.3.1. In the event of any change in Control or any transfer of right, title or interest in the Coal Mine which is not in conformity with this Agreement or any Applicable Law, then in addition to any rights, remedy or consequences as may be applicable under Applicable Laws, the Nominated Authority or the Central Government may, in its sole discretion,

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appropriate the Performance Security, disqualify the Allottee from participating in any further auction or allotment process conducted by the Nominated Authority; terminate this Agreement; and/or terminate and withdraw the Allotment Order as the case may be.

13.3.2. Any transfer of right, title or interest which is not in conformity with this Agreement or Applicable Laws shall be deemed to be void *ab-initio*.

14. MINE PLAN

14.1. The Mine Plan approved in relation to the Prior Allottee, if any shall also be applicable to the Allottee.

14.2. Upon allocation of Coal Mine, the Allottee may revise the Mine Plan for extraction of more coal as compared to the Mine Plan being subject to revision in accordance with the provisions of Applicable Law and the Agreement.

14.3. The Allottee may increase mine production to the maximum possible extent and utilise the coal in accordance with Clause 8. Subject to Applicable Laws, the Allottee may apply for coal linkages or participate in auction/ allotment for the Specified End Use Plant three years prior to the exhaustion of extractable reserves in the Coal Mine.

15. MINE CLOSURE

15.1. Upon exhaustion of the extractable coal reserves at the Coal Mine the Coal Mine shall be closed, in the manner provided in the mine closure plan and Applicable Laws.

16. COMPLIANCE AND RECORD KEEPING

16.1. The Allottee shall keep at its normal place of business detailed, accurate and up to date records and books of account showing all payments made by the Allottee in connection with this Agreement, the development of the Coal Mine, mining operations and matters incidental thereto and the steps taken by the Allottee to comply with Applicable Laws. Such records and books of accounts shall be required to be maintained for a period of six years. The Allottee shall ensure that such records and books of accounts are sufficient to enable verification of the Allottee's compliance with its obligations under this this Agreement.

16.2. The Allottee shall permit the Nominated Authority and its representatives, to access and take copies of the Allottee's records and any other information held at the Allottee's premises and to meet with the Allottee's personnel to audit the Allottee's compliance with its obligations under this Agreement. Such audit rights shall continue for three years after termination of this Agreement. The Allottee shall give all necessary assistance to the conduct of such audits during the Term of this Agreement and for a period of three year after termination of this Agreement.

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17. REPRESENTATIONS AND WARRANTIES

17.1. The Allottee represents and warrants to the Nominated Authority (save as otherwise disclosed to the Nominated Authority in writing), as of the Agreement Date, in the manner as detailed in SCHEDULE G ("**Warranties**").

17.2. None of the representations, warranties and/ or statements contained in this Agreement shall be treated as qualified by any actual or constructive knowledge on the part of the Nominated Authority or the Central Government or any of its respective agents, representatives, officers, employees or advisers.

17.3. In the event that any of the representations or warranties made or given by the Allottee ceases to be true or stands changed, the Allottee shall promptly notify the Nominated Authority of the same. The Allottee hereby waive all its rights to invoke and shall not invoke the Nominated Authority's knowledge (actual, constructive or imputed) of a fact or circumstance that might make a statement untrue, inaccurate, incomplete or misleading as a defence to a claim for breach of Warranties or covenant or obligation of the Allottee.

18. INDEMNITIES

18.1. In this clause, a reference to the Nominated Authority shall include the Nominated Authority; the Government of India; any of the departments or ministries of Government of India; and of the officers, employees, staff, advisors, representatives or agents of the Government of India (collectively the "**Indemnified Party**") and the provisions of this Clause shall be for the benefit of the Indemnified Party, and shall be enforceable by each such Indemnified Party.

18.2. The Allottee shall indemnify the Indemnified Party against all liabilities, costs, expenses, damages and losses (including but not limited to any interest, penalties and legal costs (calculated on a full indemnity basis) and all other professional costs and expenses) suffered or incurred by the Indemnified Party arising out of or in connection with:

(a) any breach of the Warranties

(b) Allottee's breach or negligent performance or non-performance of this Agreement;

(c) the enforcement of this Agreement;

(d) any claim made against the Indemnified Party for actual or alleged infringement of a Third Party's rights arising out of or in connection with mining operations at the Coal Mine or performance or non performance of any of the obligations under this Agreement to the extent that such claim arises out of the breach, negligent performance or failure or delay in performance of this Agreement by the Allottee,

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its employees, agents or contractors;

(e) any claim made against the Indemnified Party by a Third Party for death, personal injury or damage to property arising out of or in connection with mining operations at the Coal Mine or performance or non performance of any of the obligations under this Agreement;

(f) any loss or damages caused on account of breach of any Applicable Law by the Allottee, including without limitation any costs incurred by the Nominated Authority in cleaning or rectifying of any environmental damages caused by the Allottee on account of, lack of Good Industry Practice; breach, negligent performance or failure or delay in performance of this Agreement; or non-compliance with Applicable Law.

18.3. If any Third Party makes a claim, or notifies an intention to make a claim, against the Indemnified Party which may reasonably be considered likely to give rise to a liability under this indemnity (a "**Claim**"), the Indemnified Party shall as soon as reasonably practicable, give written notice of the Claim to the Allottee, specifying the nature of the Claim in reasonable detail.

18.4. Subject to the Allottee providing security to the Indemnified Party, to the Indemnified Party's sole and absolute satisfaction against any claim, liability, costs, expenses, damages or losses which may be incurred, the Allottee may take such action as it may reasonably deem fit to avoid, dispute, compromise or defend the Claim.

18.5. Payments of the amount of Claim shall become due and payable within thirty Business Days of receipt of notice of Claim. If a payment due from the Allottee under this clause is subject to Tax (whether by way of direct assessment or withholding at its source), the Indemnified Party shall be entitled to receive from the Allottee such amounts as shall ensure that the net receipt, after Tax, to the Indemnified Party in respect of the payment is the same as it would have been were the payment not subject to Tax.

19. ASSIGNMENT, SECURITY FOR FINANCING

19.1. Prohibition on Assignment

19.1.1. Except as provided in this Clause 19, the Allottee shall not assign this Agreement, either directly or indirectly, save and except with the prior consent in writing of the Nominated Authority, which consent the Nominated Authority shall be entitled to decline without assigning any reason.

19.1.2. Subject to compliance with provisions of Clause 19.2, this Agreement may be assigned by the Allottee in the following events:

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(a) upon occurrence of a change in Control or transfer which is permissible in terms of Clause 13, to the transferee; or

(b) upon occurrence of an enforcement event, to a transferee as may be determined by a bank or financial institution in terms of Clause 19.3.

19.2. **Assignment Conditions**

Assignment of this Agreement shall also be subject to the following conditions precedent:

(a) the proposed assignee must meet the applicable Eligibility Conditions;

(b) the proposed assignee must agree to unconditionally and irrevocably adhere to the provisions of this Agreement and must enter into a deed of adherence in the manner as prescribed by the Nominated Authority;

(c) the proposed assignee must have furnished the Performance Security, to substitute any subsisting Performance Security provided by the Allottee;

(d) the proposed assignee must have paid any other amount due from the Allottee and agree to indemnify and hold the Nominated Authority harmless in all respects against any claims from any Third Party or the Allottee with respect to such assignment.

19.3. **Security for financing, enforcement Event**

19.3.1. Subject to Applicable Laws, the Allottee shall be entitled to create security over the Coal Mine through mortgage for the purposes of availing financing from a bank or financial institutions for the purposes of financing of the Specified End Use Plant or mining operations at the Coal Mine and such security creation shall not require prior approval by the Nominated Authority or the Central Government. It is clarified that the Allottee shall be permitted to enter into any agreement with bank or financial institutions with respect to assignment of this Agreement in terms of this Clause 19 and in such case the assignment conditions mentioned in Clause 19.2 shall not be applicable and the conditions specified in Clause 19.3 shall be applicable.

19.3.2. The Allottee shall keep the Nominated Authority promptly informed about: (i) any default in its obligation under any arrangement with any bank or financial institution; (ii) any security interest created over the Coal Mine; and (iii) any action initiated by the bank or financial institution regarding enforcement of security.

19.3.3. In the event of a default, the banks or financial institutions, as the case may be shall be entitled to enforce their security interest, provided that the conditions listed in Clause 19.2 are met, in the manner provided below:

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(a) the security interest shall be exercised in accordance with the provisions of Applicable Laws and any inter-se agreement between the secured creditors, if any.

(b) the lead secured creditor (in case of consortium lending) or the secured creditor with the highest exposure (in case of multiple banking), shall be entitled to seek a substitution of the Allottee by providing a written notice (the "**Substitution Notice**") to the Nominated Authority;

(c) the Substitution Notice shall contain complete particulars of the proposed transferee (the "**Selectee**"), particulars of compliance of the Selectee with all the Eligibility Conditions, particulars of the debt due and such data and information as would be necessary and relevant for the Nominated Authority to decide as to the acceptability of the Selectee;

(d) the Nominated Authority may require such other information as it may deem fit regarding the suitability of the Selectee to receive rights and obligations with respect to the Coal Mine;

(e) the Substitution Notice must be accompanied by an unconditional undertaking of the Selectee to the effect that it shall upon acceptance by the Nominated Authority observe, comply with, perform and fulfil the residual terms, conditions and covenants of this Agreement as if the Selectee had been the Allottee under this Agreement and to assume, discharge and pay the debt due on the terms and conditions agreed to by the Selectee with the secured creditors. The Selectee shall also undertake to enter into such documents and agreements with Nominated Authority as may be necessary or required to give effect to the substitution of the Allottee by the Selectee;

(f) the Nominated Authority shall convey its acceptance or otherwise of the Selectee within sixty Business Days of (a) the date of receipt of the Substitution Notice; or (b) the date of receipt of the additional information and clarifications requested in respect of any data, particulars or information comprised in the Substitution Notice, whichever is later.

(g) In the event that the Nominated Authority fails to communicate its acceptance or otherwise or the objections if any it has to the acceptance of the Substitution Notice, within the time specified in sub-clause (f) above, the Nominated Authority shall be deemed to have accepted the Substitution Notice and the Selectee.

19.3.4. Upon acceptance of the Selectee by the Nominated Authority or the Nominated Authority having been deemed to have accepted the Substitution Notice, this Agreement shall be

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deemed to be assigned in favour of the Selectee without any further act or deed of the Allottee.

20. INSURANCE

20.1. At all times during the Term hereof, the Allottee will maintain, and cause its contractors and sub-contractors to maintain, with financially sound and reputable insurers, insurance against such casualties and contingencies, of such types, on such terms and in such amounts (including deductibles, co-insurance and self-insurance, if adequate reserves are maintained with respect thereto) as is consistent with Good Industry Practice.

21. ACCOUNTS AND AUDIT

21.1. Audited Accounts

The Allottee shall maintain books of accounts recording all its receipts, income, expenditure, payment, assets and liabilities in accordance with Good Industry Practice and Applicable Laws.

21.2. Appointment of Auditors

The Nominated Authority shall have the right, but not the obligation, to appoint at its cost, from time to time and at any time, an auditing firm or an auditor to audit and verify all those matters, expenses, costs, realizations and things with respect to the Coal Mine or which the statutory auditors are required to do, undertake or certify pursuant to this Agreement.

21.3. Certification of claims by Statutory Auditors

Any claim or document provided by the Allottee to the Nominated Authority in connection with or relating to receipts, income, payments, costs, expenses, accounts or audit, and any matter incidental thereto shall be valid and effective only if certified by its statutory auditors.

22. GOVERNMENT INSPECTION

22.1. The Nominated Authority, through its authorized representatives shall have the right to free ingress and egress within any part of the Coal Mine at any time to inspect works or activities being undertaken or implemented by the Allottee in order to monitor and verify compliance with the terms of this Agreement and all Applicable Laws.

22.2. The Nominated Authority, through its authorized representatives, shall have access to the Allottee's financial and other records and transactions (relatable to any period) at any time upon reasonable advance notice, the right to copy therefrom, for the purpose of assessing the performance and compliance of the Allottee with the terms of this

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Agreement and all Applicable Laws, rules and regulations or to aid in the enforcement of the same.

22.3. The Nominated Authority shall have the right to conduct, either directly or indirectly through any Third Party, a performance audit to verify compliance by the Allottee, of its obligations hereunder.

23. EVENT OF FORCE MAJEURE

23.1. Event of Force Majeure means any of the following events or circumstances or combination of the following events or circumstances which are beyond the reasonable control of the Allottee, which could not have been prevented by Good Industry Practice or by the exercise of reasonable skill and care and which or any consequences of which, have a material and adverse effect upon the performance by the Allottee of its obligations or enjoyment of its rights:

(i) acts of God, flood, drought, earthquake or other natural disaster;

(ii) epidemic or pandemic;

(iii) terrorist attack, civil war, civil commotion or riots, war, threat of or preparation for war, armed conflict, imposition of sanctions, embargo, or breaking off of diplomatic relations;

(iv) nuclear, chemical or biological contamination or sonic boom;

(v) collapse of buildings, fire, explosion or accident;

(vi) any labour or trade dispute, strikes, industrial action or lockouts (other than those solely affecting Allottee claiming the same as an Event of Force Majeure and attributable to such Allottee's policies regarding labour, compensation or employment or labour related conditions).

23.2. Provided it has complied with Clause 23.3, if the Allottee is prevented, hindered or delayed in or from performing any of its obligations under this Agreement by an Event of Force Majeure, the Allottee shall not be in breach of this Agreement or otherwise liable for any such failure or delay in the performance of such obligations.

23.3. Upon occurrence of an Event of Force Majeure, the Allottee shall:

(i) as soon as reasonably practicable after the start of the Event of Force Majeure but no later than thirty Business Days from its start, notify the Nominated Authority and the Central Government in writing of the Event of Force Majeure, the date on which it started, its likely or potential duration, and the effect of the Event of Force Majeure on its ability to perform any of its obligations under this

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Agreement; and

(ii) use all reasonable endeavours to mitigate the effect of the Event of Force Majeure on the performance of its obligations including following of Good Industry Practice.

23.4. If an obligation is suspended by reason of an Event of Force Majeure for more than one month continuously, the Parties shall enter into good faith negotiations to revise the terms of this Agreement to reflect the changed circumstances, provided that this Agreement shall remain in effect during the period during which the Parties are negotiating the terms of any such revision.

23.5. Notwithstanding Clause 23.4, in the event that performance of obligations under this Agreement remain suspended for a period of: (a) six months continuously; (b) or nine months over a period of one year, then the Nominated Authority may in its sole discretion terminate this Agreement in the manner provided in Clause 24 (EFFECTIVE DATE, TERM AND TERMINATION).

24. EFFECTIVE DATE, TERM AND TERMINATION

24.1. Effective Date

This Agreement shall come into effect on the Agreement Date. It is clarified that the provisions of this Agreement shall also be included in the Mining Lease.

24.2. Term

This Agreement shall commence on the dates mentioned in Clause 24.1 and shall continue for the period of validity of the Mining Lease granted to the Allottee ("**Term**"), unless agreed otherwise by the Parties and unless this Agreement is terminated earlier in accordance with its terms prior to the expiry of the Term.

24.3. Termination

24.3.1. This Agreement may be terminated upon occurrence of any of the following events (each a "**Termination Event**"):

(a) failure of the Allottee to make payment of the Upfront Amount in the manner provided in Clause 5.2;

(b) failure of the Allottee to complete the Allotment Conditions within the time specified in Clause 3.2;

(c) failure of the Allottee to make payment of additional levy within the time specified under Rule 18 of the Rules, if required to be paid;

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(d) occurrence of any Appropriation Event resulting in appropriation of the entire Performance Security or on account of one or more Appropriation Events, an amount equal to hundred per cent of the Performance Security being appropriated in aggregate (in one or more instances) as provided in Clause 6.3;

(e) failure of the Allottee to replenish the Performance Security within a period of 15 Business Days, in the event that a part of the Performance Security has been appropriated;

(f) non compliance of the Allottee with the Efficiency Parameters for more than five instances (in aggregate and not over a specified period) as provided in Clause 10.3;

(g) suspension of obligations on account of an Event of Force Majeure for a period longer than as specified in Clause 23.5;

(h) failure to make payment of the Monthly Payment for more than three instances (in aggregate and not over a specified period) in terms of Clause 9.2.2;

(i) failure to provide any information requested by the Nominated Authority in terms of this Agreement;

(j) failure of the Allottee to ensure continued compliance with the Eligibility Conditions;

(k) in case the Allottee is a joint venture company, alienation or transfer of any interest, except the taking of loans or advances from a bank or financial institution, in the joint venture of whatsoever nature including ownership in favour of a Third Party;

(l) a company other than a Government company or corporation holding more than twenty-six per cent of the paid up share capital of the Allottee, either directly or through any of its subsidiary company or associate company (such expressions having meaning ascribed under the Companies Act, 2013);

(m) the Allottee dissolves, liquidates, becomes insolvent, commits an act of bankruptcy, makes an assignment for the benefit of creditors, petitions or applies to any tribunal for the appointment of a trustee or receiver for itself, or commences any proceedings concerning itself under a law concerning bankruptcy, or insolvency other than for the purposes of corporate reorganization;

(n) any other breach of any of the provisions of this Agreement (including in case of the Warranties being untrue or misleading or incorrect in any manner whatsoever), which is not cured by the Allottee within thirty Business Days of

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becoming aware of the same, on it own accord or upon receipt of a notice from the Nominated Authority;

(o) surrender of the Coal Mine by the Allottee;

(p) cessation of coal mining operation exceeding a period of one year continuously, or 18 months over a period of two years without occurrence of any Event of Force Majeure;

(q) termination of the Mining Lease granted to the Allottee; or

(r) in the opinion of the Central Government, it is expedient in public interest to terminate this Agreement.

24.3.2. Upon occurrence of a Termination Event, the Nominated Authority may elect to terminate this Agreement by providing a 15 Business Days written notice to the Allottee. The determination of the Nominated Authority regarding occurrence of a Termination Event shall be final and binding on the Allottee.

24.3.3. In case the Nominated Authority elects to terminate this Agreement, then the Performance Security and all other payments made by the Allottee shall be forfeited and the Allottee shall not be entitled to any benefits under this Agreement but would continue to be liable towards any antecedent liability, all obligations accrued before the effective date of the surrender/ termination and also for the obligations that must be fulfilled after termination

24.4. **Retention of Books and Records**

Upon termination of this Agreement, the Allottee shall retain all documents, books and records related to the Coal Mine for a period of three years or such longer period as may specified under Applicable Law. It is clarified that the Allottee may also retain such books and records in electronic form if permitted under Applicable Laws.

25. GOVERNING LAW AND DISPUTE RESOLUTION

25.1. This Agreement and all questions of its interpretation shall be construed in accordance with the laws of India, without regard to its principles of conflicts of laws.

25.2. Any dispute, controversy or claim arising out of or relating to or in connection with the Agreement including a dispute as to the validity or existence of this Agreement, or any breach or alleged breach thereof, shall be settled through mutual discussions between the Parties. In this regard, the Allottee shall nominate an officer not below the rank of a director to participate in the discussions on its behalf.

25.3. In the event that the Allottee fails to nominate an officer in the manner required under Clause 25.2; or the Parties are unable to resolve any dispute in accordance with Clause

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कोयला मंत्रालय
Govt. of India
M/o Coal
Nominated Authority

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25.2 within a period of 30 Business Days starting from the date on which the first notice of dispute was provided by either Party, such dispute shall be resolved in accordance with Section 27 of the Ordinance.

25.4. It is expressly agreed between the Parties, that any existence of a dispute shall not affect in any manner any of the rights of the Nominated Authority under this Agreement, including without limitation the right to appropriate Performance Security or terminate this Agreement, until a final determination in this regard is made.

25.5. The provisions contained in this Clause 25 shall survive the termination of this Agreement.

26. MISCELLANEOUS

26.1. Time of Essence

Each of the Parties hereby agrees that, with regard to all dates and time periods set forth or referred to in this Agreement, time is of the essence.

26.2. Publicity

The Allottee shall not issue any information, document or article for publication in any news or communications media or make any public statement in relation to this Agreement without the prior written consent of the Nominated Authority unless required to do so by Applicable Law, provided that prior to any disclosure of any such information required by Applicable Law, the Allottee must first notify the Nominated Authority, who shall then have the opportunity to respond to and/or dispute such intended disclosure.

26.3. Severability

26.3.1. If any term, provision, covenant or restriction of this Agreement or the application thereof to any Person or circumstance shall be held invalid, void or unenforceable by a court of competent jurisdiction or other Governmental Authority to any extent, the remainder of the terms, provisions, covenants and restrictions of this Agreement and the application thereof to Persons or circumstances (other than those as to which any portion of this Agreement is held invalid, void or unenforceable) shall not be affected thereby and shall remain in full force and effect to the fullest extent permitted by law, so long as the economic or legal substance of the transactions contemplated hereby is not affected in any manner materially adverse to any Party.

26.3.2. Upon such a determination, the Parties shall negotiate in good faith to modify this Agreement so as to effect the original intent of the Parties as closely as possible in an acceptable manner in order that the transactions contemplated hereby be consummated as originally contemplated to the fullest extent possible.

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26.4. **Costs and Expenses**

26.4.1. The Allottee shall bear its own costs in connection with the negotiation, preparation and execution of this Agreement.

26.4.2. The stamp duty payable for this Agreement shall be borne by the Allottee.

26.5. **Further Assurance**

The Allottee shall cooperate with the Nominated Authority and execute and deliver to the Nominated Authority such instruments and documents and take such other actions as may be requested from time to time in order to carry out, evidence and confirm their rights and the intended purpose of this Agreement.

26.6. **Legal And Prior Rights**

All rights and remedies of the Nominated Authority hereto shall be in addition to all other legal rights and remedies belonging to the Nominated Authority and the same shall be deemed to be cumulative and not alternative to such legal rights and remedies aforesaid and it is hereby expressly agreed and declared by and between the Parties hereto, that the determination of this Agreement for any cause whatsoever shall be without prejudice to any and all rights and claims of the Nominated Authority, which shall or may have accrued prior thereto.

26.7. **Waiver**

26.7.1. The waiver of any default or breach under this Agreement by the Nominated Authority shall not constitute a waiver of the right to terminate this Agreement for any substantial default of a similar nature or under any other terms and conditions of this Agreement.

26.7.2. No failure or delay by the Nominated Authority in exercising any right or remedy provided by Applicable Law under or pursuant to this Agreement shall impair such right or remedy or operate or be construed as a waiver or variation of it or preclude its exercise at any subsequent time and no single or partial exercise of any such right or remedy shall preclude any other or further exercise of it or the exercise of any other right or remedy. The rights and remedies of the Nominated Authority under or pursuant to this Agreement are cumulative, may be exercised as often as it considers appropriate and are in addition to its rights and remedies under Applicable Law.

26.7.3. Submission of any document, information, report or notice, which contains any information or reference to any default or breach under this Agreement or any Applicable Law, to the Nominated Authority shall not be construed to be a deemed approval of such breach or default and the Nominated Authority may exercise any rights or remedies with respect to such default at any time.

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26.8. **Amendments**

No amendment of this Agreement (or of any of the documents referred to in this Agreement) shall be valid unless it is in writing and signed by or on behalf of each of the Parties to it. The expression "amendment" shall include any amendment, variation, supplement, deletion or replacement however effected. Unless expressly agreed, no amendment shall constitute a general waiver of any provisions of this Agreement, nor shall it affect any rights, obligations or liabilities under or pursuant to this Agreement which have already accrued up to the date of amendment, and the rights and obligations of the Parties under or pursuant to this Agreement shall remain in full force and effect, except and only to the extent that they are so amended.

26.9. **Counterparts**

This Agreement may be executed in two counterparts, each of which will be deemed an original, with the same effect as if the signatures thereto and hereto were upon the same instrument, but all of which together will constitute one and the same instrument.

26.10. **No Agency or partnership**

The Parties agree that nothing in this Agreement shall be in any manner interpreted to constitute an agency for and on behalf of any other Party. None of the provisions of this Agreement shall be deemed to constitute a partnership between the Parties hereto and no Party shall have any authority to bind the other Party or shall be deemed to be the agent of the other Party in any way.

26.11. **Notices**

All notices, requests, demands or other communication ("**Notice**") required or permitted to be given under this Agreement and the provisions contained herein shall be written in English and shall be deemed to be duly sent by registered post with acknowledgment due, or transmitted by facsimile transmission to the other Parties at the address indicated in SCHEDULE H hereof or at such other address as the Party to whom such notices, requests, demands or other communication is to be given shall have last notified to the Party giving the same in the manner provided in this Clause, but no such change of address shall be deemed to have been given until it is actually received by the Party sought to be charged with the knowledge of its contents. Any notice, request, demand or other communication delivered to the Party to whom it is addressed as provided in this Clause 26.11 shall be deemed to have been given and received on the day of its receipt at such address.

A copy of the Notice sent by registered post with acknowledgment due, or transmitted by facsimile transmission may also be sent through email to the email addresses specified in

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SCHEDULE H solely for the information of the recipient and shall take effect only when the registered post is actually delivered or the fax is received by the recipient, as the case may be.

26.12. **Entire Agreement**

This Agreement (including all such deeds and documents issued or executed pursuant hereto or referred to herein) and the Allotment Document constitutes and represents the entire agreement between the Parties with regard to the rights and obligations of each of the Parties and cancels and supersedes all prior arrangements, agreements or understandings, if any, whether oral or in writing, between the Parties on the subject matter hereof or in respect of matters dealt with herein. In the event of a conflict between this Agreement and the Allotment Document, the provisions of this Agreement shall prevail to the extent of the conflict.

26.13. **Specific Performance of Obligations**

The Nominated Authority shall be entitled to an injunction or injunctions to prevent breaches of this Agreement or to seek or enforce specific performance of this Agreement, in addition to any other legal rights and remedies, without the necessity of demonstrating the inadequacy of monetary damages.

26.14. **Power of the Central Government**

The Allottee acknowledges that for the purposes of this Agreement, the Central Government is acting through the Nominated Authority pursuant to the Ordinance and the Rules. However, for the purposes of exercise of rights and obligations hereunder and any Applicable Law, the Central Government shall be entitled to act through any of its relevant departments, ministries or any Governmental Agencies and all such relevant departments, ministries or any Governmental Agencies shall be entitled to exercise rights and obligations under this Agreement as if such relevant departments, ministries or any Governmental Agencies were a Party hereto.

[Remaining part of this page intentionally left blank, schedules follow.]

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SCHEDULE A - PARTICULARS OF THE COAL MINE

Name of Coal Mine	**Kerandari**
Latitude	23°54'45" N to 23°52'20" N
Longitude	85°05'15" E to 85°07'05" E
Coalfield	North Karanpura
Villages	Tarhesa, Pandu, Pagar, Kabed, Baledeori, Basadia, Lochar
District	Hazaribagh
State	Jharkhand

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SCHEDULE B - PARTICULARS OF THE SPECIFIED END USE PLANT

Name of Specified End Use Plant	Address	Configuration	Capacity
Tanda - II	Dist. Ambedkar Nagar, Uttar Pradesh	2 x 660 MW	1320 MW

**MW stands for Mega Watt*

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SCHEDULE C - FORMAT OF INTIMATION TO THE NOMINATED AUTHORITY

To
The Nominated Authority
[address]

[*date*]

Sub: Intimation under Clause 3.1(f) of the Allotment Agreement (the "Agreement").

Dear Sir,

We write with reference to Clause 3.1(f) of the Agreement read with the Ordinance and the Rules, including Section 10 and Section 11 of the Ordinance in terms of which we intend to own and utilise certain movable property of the Prior Allottee and also adopt certain contracts as detailed below:

(a) particulars of movable property along with the details of the current owner, the terms of negotiations, related documentation and other details, which we intend to own and use in terms of Section 10(1) of the Ordinance is enclosed as Annexure A;

(b) particulars of movable property along with the details of the current owner, the terms of negotiations, related documentation and other details, which we do not intend to own and use and which we intend to move in terms of Section 10(4) of the Ordinance is enclosed as Annexure B;

(c) the list of contracts (including contracts with secured creditors[1]) which we intend to adopt and continue, along with complete particulars of such contracts is enclosed as Annexure C;

(d) the list of contracts (including contracts with secured creditors) which we do not intend to adopt and continue, along with complete particulars of such contracts is enclosed as Annexure D.

Apart from the particulars of the movable property and the contracts listed in this letter, we do not intent to own, use, continue or adopt any other movable property or contracts, as the case may be and do hereby relinquish our rights with respect to the same. We acknowledge that any information not provided in this letter may not be included by the Nominated Authority in the Allotment Order.

[1] Not applicable if the Allottee is the Prior Allottee in which case the secured creditors shall have an option to continue in terms of Section 12(1) of the Ordinance.

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Yours Sincerely,

.....

(Authorised Signatory)
Name:
Designation:

Enclosed: As Above

Annexure A

Annexure B

Annexure C

Annexure D

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SCHEDULE D - FORMAT OF THE COMPLETION NOTICE

To
The Nominated Authority
[address]

[*date*]

Sub: Completion Notice under Clause 3.2.1 of the Allotment Agreement (the "Agreement").

Dear Sir,

We write with reference to Clause 3.2.1 of the Agreement. We have completed each of the Allotment Conditions specified in Clause 3.1 of the Agreement and the particulars of the same are provided below:

(a) We continue to be in compliance with all the Eligibility Conditions;

(b) we have paid the first instalment of the Upfront Amount, in accordance with Clause 5.2.1 through [*particulars of payment to be mentioned*];

(c) we have furnished the Performance Security through [*particulars of performance security and its manner of delivery to be mentioned*];

(d) we have paid the Fixed Amount through [*particulars of payment to be mentioned*];

(e) Additional Levy as was required to be paid has been paid through [*particulars of payment to be mentioned*][2]; and

(f) we have provided a written intimation as was required under Clause 3.1(f) of the Agreement through a letter dated [*particulars to be mentioned*].

Documentary evidence with respect to completion of each of the Allotment Conditions is enclosed.

Yours Sincerely,

.....

(Authorised Signatory)
Name:
Designation:

Enclosed: As Above

[2] Not applicable if the Allottee is not the Prior Allottee.

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SCHEDULE E - EFFICIENCY PARAMETERS

S. N.	Milestone	Time Limit in Months (From the date of the Allotment Order)
		Explored Blocks
1	Prospecting License	0
2	Completion of Exploration and Preparation of Geological Report (GR)	0
	Events after preparation of GR	
3	Mining Lease Application	3
4	Submission of Mining Plan	6
5	Mining Plan Approval	11
6	Previous Approval Application	12
7	Previous Approval	13
8	Forest Clearance Application	11
9	Forest Clearance	21
10	Environment Clearance Application	11
11	Environment Clearance	21
12	Grant of Mining Lease	24
13	Land Acquisition (To reach rated capacity)	36/42(in case of forest land)
14	Opening of Escrow Account	37/43(in case of forest land)
15	Application for Opening Permission	37/43(in case of forest land)
16	Grant of Opening Permission	38/44(in case of forest land)
17	Schedule of Production/ Reaching Rated Capacity	As per approved Mining Plan
18	EUP Synchronisation	As per approved Mining Plan

(a) The percentage for appropriation of Performance Security shall be calculated in proportion to the failure/ delay in compliance with the timelines mentioned for achievement of Efficiency Parameters which shall be broadly based on the weightages prescribed in the recommendations of Inter-Ministerial Group.

(b) In case of non-compliance with the Efficiency Parameters mentioned above, the Successful Bidder shall be required to rectify the same within such time as may be prescribed.

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SCHEDULE F - FORMAT OF PERFORMANCE SECURITY

[*Reference number of the bank*] [*date*]

To

The Nominated Authority

[*address*]

WHEREAS

A. **[Name of the Allottee]** incorporated in India under the Companies Act, [1956/2013] with corporate identity number [CIN of the Allottee], whose registered office is at [address of registered office], India and principal place of business is at [address of principal place of business, if different from registered office] (the "**Allottee**") is required to provide an unconditional and irrevocable bank guarantee for an amount equal to INR [*figures*] (Indian Rupees [*words*]) as a performance security for a period of [*period of performance bank guarantee*].

B. The Performance Security is required to be provided to **The President of India**, acting through the Central Government represented by the Nominated Authority appointed under Section 6 of the Coal Mines (Special Provisions) Ordinance, 2014 read with Coal Mines (Special Provisions) Second Ordinance, 2014 (the "**Nominated Authority**") for discharge of certain obligations under the Allotment Agreement dated [*date*] (the "**Agreement**").

C. We, [***name of the bank***] (the "**Bank**") at the request of the Allottee do hereby undertake to pay to the Central Government an amount not exceeding INR [*figures*] (Indian Rupees [*words*]) to secure the obligations of the Allottee under the Agreement on demand from the Nominated Authority on the terms and conditions herein contained herein.

NOW THEREFORE, the Bank hereby issues in favour of the Nominated Authority this irrevocable and unconditional payment bank guarantee (the "**Guarantee**") on behalf of the Allottee in the amount INR [*figures*] (Indian Rupees [*words*]).

1. The Bank for the purpose hereof unconditionally and irrevocably undertakes to pay to the Nominated Authority without any demur, reservation, caveat, protest or recourse, immediately on receipt of first written demand from the Nominated Authority, a sum or sums (by way of one or more claims) not exceeding in the aggregate the amount of INR

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[*figures*] (Indian Rupees [*words*]) without the Nominated Authority needing to prove or to show to the Bank grounds or reasons for such demand for the sum specified therein and notwithstanding any dispute or difference between the Nominated Authority and Allottee on any matter whatsoever. The Bank undertakes to pay to the Nominated Authority any money so demanded notwithstanding any dispute or disputes raised by the Allottee in any suit or proceeding pending before any court or tribunal relating thereto the Bank's liability under this present being absolute and unequivocal.

2. The Bank acknowledges that any such demand by the Nominated Authority of the amounts payable by the Bank to the Nominated Authority shall be final, binding and conclusive evidence in respect of the amounts payable by Allottee to the Nominated Authority under the Agreement.

3. The Bank hereby waives the necessity for the Nominated Authority from demanding the aforesaid amount or any part thereof from the Allottee and also waives any right that the Bank may have of first requiring the Nominated Authority to pursue its legal remedies against the Allottee, before presenting any written demand to the Bank for payment under this Guarantee.

4. The Bank further unconditionally agrees with the Nominated Authority that the Nominated Authority shall be at liberty, without the Bank's consent and without affecting in any manner the Bank's obligation under this Guarantee, from time to time to:

(i) vary and/or modify and of the terms and conditions of the Agreement;
(ii) extend and / or postpone the time for performance of the obligations of the Allottee under the Agreement, or
(iii) forbear or enforce any of the rights exercisable by the Nominated Authority against the Allottee under the terms and conditions of the Agreement.

and the Bank shall not be relieved from its liability by reason of any such act or omission on the part of the Nominated Authority or any indulgence by the Nominated Authority to the Allottee or other thing whatsoever which under the law relating to sureties would, but for this provision, have the effect of relieving the Bank of its obligations under this Guarantee.

5. Any payment made hereunder shall be made free and clear of and without deduction for, or on account of, any present or future taxes, levies, imposts, duties, charges, fees, commissions, deductions or withholdings of any nature whatsoever and by whom ever imposed; and where any withholding on a payment is required by law, the Bank shall comply with such withholding obligations and shall pay such additional amount in respect of such payment such that the Nominated Authority receives the full amount due hereunder as if no such withholding had occurred. It is clarified that even in such case the

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obligation of the Bank shall not in any manner exceed in the aggregate the amount of INR [*figures*] (Indian Rupees [*words*]).

6. The Bank agrees that Nominated Authority at its option shall be entitled to enforce this Guarantee against the Bank, as a principal debtor in the first instance without proceeding at the first instance against the Allottee.

7. The Bank further agree that the guarantee herein contained shall remain in full force and effect during the period that specified in the Agreement and that it shall continue to be enforceable till all the obligations of the Allottee under or by virtue of the said Agreement with respect to the Performance Security have been fully paid and its claims satisfied or discharged or till the Nominated Authority certifies that the terms and conditions of the Agreement with respect to the Performance Security have been fully and properly carried out by the Allottee and accordingly discharges this guarantee. Notwithstanding anything contained herein, unless a demand or claim under this guarantee is made on the Bank in writing on or before the [date of expiry of bank guarantee] the Bank shall be discharged from all liability under this guarantee thereafter.

8. The payment so made by the Bank under this Guarantee shall be a valid discharge of Bank's liability for payment thereunder and the Nominated Authority shall have no claim against the Bank for making such payment.

9. This Guarantee is subject to the laws of India. Any suit, action, or other proceedings arising out of this Guarantee or the subject matter hereof shall be subject to the exclusive jurisdiction of courts at Delhi.

10. The Bank has the power to issue this Guarantee in favour of the Nominated Authority. This guarantee will not be discharged due to the change in the constitution of the Bank.

11. The Bank undertakes not to revoke this Guarantee during its currency except with the previous consent of the Nominated Authority in writing.

12. The Nominated Authority may, with prior intimation to the Bank, assign the right under this Guarantee to any other departments, ministries or any governmental agencies, which may act in the name of the President of India. The Nominated Authority may also assign this Guarantee in favour of the Governor of a State, with prior intimation to the Bank. Save as provided in this Clause 12, this Guarantee shall not by assignable or transferable.

Dated the [day] day of [month] [year] for the Bank.

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In witness whereof the Bank, through its authorized officer, has set its hand and stamp.

_____

(Signature)

_____

(Name and Designation)

_____

(Bank Stamp)

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SCHEDULE G – WARRANTIES

1. INFORMATION

1.1. The information, provided to the Nominated Authority during the allotment process and any time thereafter, including but not limited to the information contained in this Agreement, by the Allottee is true, accurate and not misleading in any manner whatsoever.

1.2. Neither this Agreement nor any of the information and documents provided during the allotment process exercise contains any untrue statement of fact, or omits to state a material fact necessary to make the statements herein or therein not misleading. The documents provided to the Nominated Authority and/or its advisors during the conduct of the allotment process, are true and complete copies of such documents and none of the information provided to the Nominated Authority and/or its advisors during the allotment process was incorrect, inaccurate or misleading in any manner whatsoever.

2. AUTHORITY

2.1. The Allottee has full legal capacity to enter into this Agreement and to perform its obligations under it and has taken all action necessary to authorise such execution and delivery and the performance of such obligations.

2.2. This Agreement has been duly executed and delivered by the Allottee, and (assuming due authorisation, execution and delivery and performance by the Parties), constitutes a legal, valid and binding obligation of the Allottee, enforceable against the Allottee in accordance with the terms of the Agreement.

2.3. The Allottee has obtained requisite corporate authorisation, including passing of all necessary resolutions to execute this Agreement and carry out all transactions and actions contemplated under this Agreement and do all necessary acts incidental to this Agreement.

2.4. The execution and delivery of this Agreement by the Allottee and the performance of the obligations under it do not and shall not:

(a) conflict with or violate any provision of the memorandum of association or articles of association of the Allottee;

(b) require on the part of the Allottee, any filing with, or permission, authorisation, consent or approval of, any Governmental Authority;

(c) conflict with, result in breach of, constitute (with or without due notice or lapse of time or both) a default under, result in the acceleration of obligations under, create in favour of any party any right to terminate, modify or cancel, or require any

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notice, consent or waiver under, any contract or instrument to which the Allottee is party or by which it is bound or to which its assets are subject;

(d) violate, conflict with or constitute a default under any Applicable Law, lien, lease, judgement, award, ordinance, order, writ, injunction, decree, statute, rule or regulation or any other restriction of any kind or character applicable to the Allottee or its properties or assets;

2.5. No person is entitled to any brokerage, finder's, or other similar fee or commission in connection with the transactions contemplated by this Agreement.

3. **GENERAL**

The Allottee

(a) is a Government company duly organised, validly existing and in good standing under the laws of India;

(b) meets all the Eligibility Conditions prescribed under the Ordinance read with the Rules and the Allotment Document;

(c) has the financial standing and capacity to undertake mining operations at the Coal Mine in accordance with the Efficiency Parameters;

(d) is subject to civil and commercial laws of India with respect to this Agreement and it hereby expressly and irrevocably waives any immunity in any jurisdiction in respect thereof;

(e) there are no actions, suits, proceedings or investigations pending or to the Allottee's knowledge threatened against it at law or in equity before any court or before any other judicial, quasi judicial or other authority, the outcome of which may constitute an event of default hereunder;

(f) has neither violated or defaulted nor has knowledge of any violation or default with respect to any order, writ, injunction or any decree of any court or any legally binding order of any Governmental Authority;

(g) has complied with all Applicable Laws and has not been subject to any fines, penalties, injunctive relief or any other civil or criminal liabilities;

(h) except as set forth in any Mining Lease, all rights and interests of the Allottee in and to the Coal Mine shall pass to and vest in the relevant Governmental Authority on the date of termination or expiry hereof, free and clear of all Encumbrances without any further act or deed on the part of the Allottee or the Central Government;

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Location: NTPC Limited

(i) no bribe or illegal gratification or any other illegal amount has been paid or will be paid in cash or kind by or on behalf of the Allottee to any Person to procure the rights granted hereunder; and

(j) Without prejudice to any express provision contained in this Agreement, the Allottee acknowledges that prior to the execution of this Agreement, the Allottee has after a complete and careful examination made an independent evaluation of the Coal Mine and the information provided by the Nominated Authority, and has determined to its satisfaction the nature and extent of risks and hazards as are likely to arise or may be faced by the Allottee in the course of performance of its obligations hereunder. The Allottee also acknowledges and hereby accepts the risk of inadequacy, mistake or error in or relating to any of the matters set forth above and hereby confirms that the Nominated Authority and any Governmental Authority shall not be liable for the same in any manner whatsoever to the Allottee.

नामनिर्दिष्ट प्राधिकारी भारत सरकार कोयला मंत्रालय Govt. of India M/o Coal Nominated Authority

NTPC Limited एनटीपीसी NTPC NEW DELHI

Signature Not Verified

Digitally signed by PARIMAL PIYUSH
Date: 2025.06.26 14:23:24 IST
Reason: AGM(Commercial)
Location: NTPC Limited

SCHEDULE H - ADDRESS FOR PROVIDING NOTICES

A. Notice to the Nominated Authority

Address	Nominated Authority, Ministry of Coal, World Trade Tower, Ground Floor, Barakhamba Lane, New Delhi - 110001
Telephone	011-23414136
Fax	011-23414136
E-mail (only for information)	nomauthority.moc@nic.in

With CC to the Central Government

Address	Ministry of Coal, Shastri Bhawan, New Delhi - 110001
Telephone	011-23073933
Fax	011-23381678
E-mail (only for information)	soca3.moc@nic.in

B. Notice to the Allottee

Address	NTPC Limited, NTPC Bhawan, Scope Complex, 7, Institutional Area, Lodhi Road, New Delhi – 110003, India
Telephone	011-24362344
Fax	011-24362344
E-mail (only for information)	partham@ntpc.co.in

नामनिर्दिष्ट प्राधिकारी भारत सरकार कोयला मंत्रालय Govt. of India M/o Coal Nominated Authority

NTPC Limited एनटीपीसी NTPC NEW DELHI

Signature Not Verified

Digitally signed by PARIMAL PIYUSH
Date: 2025.06.26 14:23:24 IST
Reason: AGM(Commercial)
Location: NTPC Limited

IN WITNESS WHEREOF, the Parties have caused this Agreement to be duly executed by their duly authorised representatives on the date and year written below, at New Delhi:

Signatories

The Nominated Authority

नामनिर्दिष्ट प्राधिकारी
भारत सरकार
कोयला मंत्रालय
Govt. of India
M/o Coal
Nominated Authority

.....
Name: Vivek Bharadwaj
Date: March 30, 2015

NTPC Limited

NTPC Limited
एन टी पी सी
N.T.P.C

.....
Name: Partha Mazumder
Designation: General Manager (Coal Mining)
Date: March 30, 2015
Duly authorized to execute this Agreement pursuant to resolution passed by the board of directors of the NTPC Limited.

Signature Not Verified
Digitally signed by PARIMAL PIYUSH
Date: 2025.06.26 14:23:24 IST
Reason: AGM(Commercial)
Location: NTPC Limited

Government of India

Ministry of Coal

O/o the Nominated Authority

World Trade Tower, New Delhi

Office of the nominated authority constituted under section 6 of the Coal Mines (Special Provisions) Act, 2015.

Allotment order under clause (c) of sub-rule (2) of rule 7 and sub-rule (1) of rule 13

In re: **Kerandari Coal Mine** (the "mine") particulars of which is specified in **Annexure 1**

Order no.: 103/29/2015/NA

Date: September 08, 2015

In favour of: **NTPC Limited** incorporated in India under the Companies Act, 1956 with corporate identity number L40101DL1975GOI007966, whose registered office is at NTPC Bhawan, Scope Complex, 7, Institutional Area, Lodhi Road, New Delhi – 110003, India (the "Allottee").

For utilisation in: End Use Plant situated at Dist. Ambedkar Nagar, Uttar Pradesh, as more particularly described below (the "End Use Plant")

S. No.	Name of Specified End Use Plant	Address	Configuration	Capacity
1	Tanda - II	Dist. Ambedkar Nagar, Uttar Pradesh	2 x 660 MW	1320 MW

**MW stands for Mega Watt*

WHEREAS, the nominated authority has, in accordance with the provisions of the Coal Mines (Special Provisions) Act, 2015 (the "Act") and the Coal Mines (Special Provisions) Rules, 2014 (the "rules") conducted the allotment of the mine;

AND WHEREAS the allottee is eligible to receive this allotment order with respect to the mine as described in this allotment order, including, inter-alia -

(a) the coal bearing land acquired by the prior allottee and the lands, in or adjacent to the coal mines used for coal mining operations acquired by the prior allottee; and

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(b) any existing mine infrastructure as defined in clause (j) of sub-section (1) of section 3 of the Act.

AND WHEREAS the allottee was also the prior allottee of such Schedule I coal mine;

AND WHEREAS, the allottee has deposited the additional levy payable under sub-section (3) of section 5 of the Act on or prior to the due date specified under rule 18 of the rules;

AND WHEREAS the allottee has furnished a performance bank guarantee dated April 28, 2015 for an amount equal to INR 1,32,24,00,000 (Indian Rupees One Hundred Thirty Two Crore and Twenty Four Lakh) issued by State Bank of India in accordance with the allotment document read with sub-section (6) and sub-section (12) of sections 8 of the Act and sub-rule (4) rule 13 of the rules;

AND WHEREAS the allottee has entered into an Allotment Agreement dated March 30, 2015 (as amended) with the nominated authority in accordance with the provisions of sub-rule (5) of rule 13.

NOW, THE NOMINATED AUTHORITY DOES ORDER:

1. On and from September 08, 2015 ("allotment date") and in accordance with sub-section (4) of section 8 read with sub-section (12) section 8 of the Act, with respect to the mine, the following shall stand fully and absolutely transferred and vested in the allottee, namely: -

(a) all the rights, title, interest and liabilities as were available to the prior allottee;

(b) entitlement to a mining lease to be granted by the State Government with the terms and conditions of the Allotment Agreement forming a part of it on making an application;

(c) all statutory licences, permits, permissions, approvals or consents as per rules, required to undertake coal mining operations in the mine, if already issued by the Central Government, to the prior allottee on the same terms and conditions as were applicable to the prior allottee, as listed in the **Annexure 2**;

(d) entitlement to any statutory licence, permit, permission, approval or consent required to undertake coal mining operations in the mine, if already issued by the Central Government, to the prior allottee on making an application on the same terms and conditions as were applicable to the prior allottee, as listed in the **Annexure 3**;

(e) entitlement to any statutory licence, permit, permission, approval or consent required to undertake coal mining operations in the mine, if already issued by the State Government, to the prior allottee on making an application on the same terms and conditions as were applicable to the prior allottee, as listed in the **Annexure 4**;

(f) rights appurtenant to the approved mining plan of the prior allottee;

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Location: NTPC Limited

(g) in the event the secured creditor elects to continue the facility arrangements and security interest, the Allottee shall continue the credit or banking facilities or other lending arrangements to which the prior allottee was a party in terms of clause (a) of sub-section (1) of section 12 of the Act;

2. The Allottee may seek any change in the terms and conditions attached to such licence, permit, permission, approval or consent by making an application in accordance with applicable laws;

3 This Allotment order is liable to be cancelled in accordance with the provisions of sub-rule (6) of rule 13.



(By the nominated authority)

Signature Not Verified

Digitally signed by PARIMAL PIYUSH
Date: 2025.06.26 14:23:24 IST
Reason: AGM(Commercial)
Location: NTPC Limited

Annexures

Annexure 1: Particulars of the mine

Part A – Description of the mine

Name of Coal Mine	Kerandari
Latitude	23°54'45" N to 23°52'20" N
Longitude	85°05'15" E to 85°07'05" E
Coalfield	North Karanpura
Villages	Tarhesa, Pandu, Pagar, Kabed, Baledeori, Basadia, Lochar
District	Hazaribagh
State	Jharkhand

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Part B – Description of Land in relation to the mine

Type of Land: Freehold Land for Mining as per Mining Lease

Nil

Type of Land: Leasehold Land for Mining as per Mining Lease

Nature	Area (Hectares)
Government Land	27.59
Private Land	-
Forest Land	-

Type of Land: Leasehold Land - Any other land for mine infrastructure as defined in section 3(1) (j) of the Act

Nature	Area (Hectares)
Government Land	4.59
Private Land	-
Forest Land	-

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Part C – Description of Mine Infrastructure in relation to the mine

C1- Mine Infrastructure: Immovable Assets

S. No.	Head of Assets	Description (Nature of Assets)
1	CWIP - Electrical installations	Electrical Installation For Construction Power Arrangement - 33 Kv Line From Kerendari To K D Block
2	CWIP - Electrical installations	Electrical Installation For Construction Power Arrangement - 33 Kv Line From Sindur To Demotand

C2- Mine Infrastructure: Land for Compensatory Afforestation

Type of Land: Freehold Land for Compensatory Afforestation

Nil

Type of Land: Leasehold Land for Compensatory Afforestation

Nature	Area (Hectares)
Government Land	-
Private Land	-
Forest Land	-

C3- Mine Infrastructure: Resettlement and Rehabilitation Land

Type of Land: Resettlement and Rehabilitation Freehold Land

Nil

Type of Land: Resettlement and Rehabilitation Leasehold Land

Nature	Area (Hectares)
Government Land	-
Private Land	-
Forest Land	-

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Annexure 2: Particulars of statutory licences, permits, permissions, approvals or consents issued by the Central Government which are being transferred along with this Allotment Order.

S. No	Statutory Clearance	Ministry/ Agency	Letter No.	Date
1.	**Approval of** **a) Mining Plan** Mining Plan of Kerandari 'A' coal mining block, North Karanpura Coalfield	Ministry of Coal	No.13016/29/2003-CA-I	04.08.2008
	b) Mine Closure Plan Mine Closure Plan (September 2013) for Kerandari 'A' coal mining block, North Karanpura Coalfield		No. 34011-10-2011-CPAM	11.11.2013

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Reason: AGM(Commercial)
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Annexure 3: Particulars of statutory licences, permits, permissions, approvals or consents issued by the Central Government to be obtained on application by the Allottee.

S. No	Statutory Clearance	Ministry/ Agency	Letter No.	Date
1.	Environment Clearance *Kerandari 'A' Coal Mine Block (6 MTPA in a project area of 974 ha)*	Ministry of Environment and Forests	No.J-11015/133/2007-IA.II(M)	31.03.2010
2.	Forest Clearance – Stage 1 *Diversion of 243.32 ha of forest land for North Karanpura Coal Kerandari Coal Mining Project*	Ministry of Environment and Forests	F. No.8-53/2011-FC	01.02.2012
3.	Ground water clearance	Ministry of Water Resources – Central Ground Water Board	No.21-4(39)/CGWA/MER/2009-2744	23.12.2010

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Date: 2025.06.25 14:23:24 IST
Reason: AGM(Commercial)
Location: NTPC Limited

Annexure 4: Particulars of statutory licences, permits, permissions, approvals or consents issued by the State Government to be obtained on application by the Allottee.

S. No	Statutory Clearance	Ministry/ Agency	Letter No.	Date
1.	Consent to establish – Extension of the period of validity of Consent-to-Establish	Jharkhand State Pollution Control Board	Memo No PC/NOC/HBG/10/08/0 -998	06.05.2015
2.	No Objection Certificate for Diversion of Baldeori Nala flowing within Kerandari A coal mining block	Water Resources Department, Government of Jharkhand	No. 2/PMC-55/2009-223	19.03.2013

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Digitally signed by PARIMAL PIYUSH
Date: 2025.06.26 14:23:24 IST
Reason: AGM(Commercial)
Location: NTPC Limited

Government of India
Ministry of Environment, Forest & Climate Change

Indira Paryavaran Bhawan
Aliganj Road,
Jor Bagh, New Delhi

GM(CM-TS) 18.11

No. J-11015/133/2007-IA-II(M) Pt. file

Dated:28th October, 2015

To,

The Managing Director,
M/s NTPC Limited,
NTPC Bhawan, Scope Complex,
7, Institutional Area, Lodhi Road,
New Delhi -110003

RED(CM)

Email: partham@ntpc.co.in

निo(वाणिज्य)/DIR (C)
निo(प्रचालन)/DIR (O)
निo(तकनीकी०)/DIR (T)
निo(मा०सं०)/DIR (HR)
निo(परियोजना)/DIR (PRO)
निo(वित्त)/DIR (F)
क्षेo का०निo( )/RED( )
का० निo ( )/ED( )

Sub: Revalidation/Transfer of Environmental Clearance of Kerandari 'A' Coal Mine Block of 6 MTPA in a total project area of 1173 ha (Latitude 23^0 54' 45" N to 23^0 52' 20" N and Longitude 85^0 05' 15" E to 85^0 07' 05" E) in North Karanpura Coalfields, District Hazaribagh (Jharkhand) – reg.

The Ministry of Environment, Forest and Climate Change (MoEFCC), in accordance with the Environmental Impact Assessment (EIA) Notification, 2006 and subsequent amendment thereto had accorded Environmental Clearance (EC) for **Kerandari 'A' Coal Mine Block of 6 MTPA in a total project area of 1173 ha (Latitude 23^0 54' 45" N to 23^0 52' 20" N and Longitude 85^0 05' 15" E to 85^0 07' 05" E) in North Karanpura Coalfields, District Hazaribagh (Jharkhand) to M/s National Thermal Power Corporation Limited** subject to compliance of terms and conditions stipulated therein vide letter No. **J-11015/133/2007-IA.II (M) dated 31st March, 2010.**

WHEREAS the Hon'ble Supreme Court of India vide judgment dated 25th August, 2014 read with the order dated 24th September, 2014 has cancelled the allocation of 204 coal blocks and issued directions with regard to such coal blocks wherein the Central Government in pursuance of the said directions has to take immediate action to implement the said order.

WHEREAS in pursuance of the judgment and order of the Hon'ble Supreme Court, the nominated authority has, in accordance with provisions of the Coal Mines (Special Provisions) Second Ordinance, 2014 and the Coal Mines (Special Provisions) Rules, 2014 conducted the auction of the mines.

प्राप्ति 10 NOV 2015 एन.टी.पी.सी. लि. सचिवालय, एन टी पी सी लि.

Signature Not Verified
Digitally signed by PARIMAL PIYUSH
Date: 2025.06.25 14:23:24 IST
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Location: NTPC Limited

WHEREAS Ministry of Coal (MOC) vide letter No. **13016/38/2015-CA-III dated 18th September, 2015** has informed that, their Ministry has allotted 8 Coal Mines through allotment routes to 3 different allottees. MOC has requested this Ministry to facilitate transfer of the Environment Clearance and Forest Clearance of these blocks to the successful allottees.

WHEREAS Ministry of Coal vide **Allotment** Order under clause (c) of sub-rule (2) of rule 7 and sub-rule (1) of rule 13 and Order No. **103/29/2015/NA dated 8th September, 2015** has allotted the **Kerandari 'A' Coal Mine Block of 6 MTPA in a total project area of 1173 ha (Latitude 23^0 54' 45" N to 23^0 52' 20" N and Longitude 85^0 05' 15" E to 85^0 07' 05" E) in North Karanpura Coalfields, District Hazaribagh (Jharkhand) to M/s National Thermal Power Corporation Limited** as the successful allottee.

WHEREAS vide Gazette Notification S.O. 811 (E) Notification dated 23.03.2015, MOEFCC has made amendments to paragraph 11 in the Gazette Notification S.O.1533 (E) dated 14th September, 2006. Vide the said amendment; where an allocation of coal block is cancelled in any legal proceeding; or by the Government in accordance with law, the environmental clearance granted in respect of such coal block may be transferred, subject to the same validity period as was initially granted, to any legal person to whom such block is subsequently allocated, and in such case, obtaining of "no objection" from either the holder of environment clearance or from the regulatory authority concerned shall not be necessary and no reference shall be made to the Expert Appraisal Committee or the State Level Expert Appraisal Committee concerned.

WHEREAS in light of the MOC Allotment Order No. **103/29/2015/NA** dated **8th September, 2015,** transfer of EC may not be warranted as the Successful Allottee **M/s National Thermal Power Corporation Limited** is already in possession of EC letter No. **J-11015/133/2007-IA.II (M) dated 31st March, 2010**.

However, the said EC may be considered for revalidation in favour of **M/s National Thermal Power Corporation Limited** for **Kerandari 'A' Coal Mine Block of 6 MTPA in a total project area of 1173 ha (Latitude 23^0 54' 45" N to 23^0 52' 20" N and Longitude 85^0 05' 15" E to 85^0 07' 05" E) in North Karanpura Coalfields, District Hazaribagh (Jharkhand)** subject to the following conditions:

(i) Any change in scope of work will attract the provisions of the Environment (Protection) Act, 1986 and Environmental Impact Assessment Notification, 2006 in conjunction with the subsequent amendments / circulars.

(ii) All conditions stipulated in the EC letter No. **J-11015/133/2007-IA.II (M) dated 31st March, 2010** shall remain unchanged.

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Date: 2025.06.25 14:23:24 IST
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(iii) The allottee shall be liable, if any, for any act of violation of the EP Act, 1986 / EIA Notification 2006/subsequent amendments and circulars which it has inherited during the revalidation/ transfer.

(iv) Allottee shall be liable for compliance of all court directions, if any.

(P. R. Sakhare)
Scientist C

Copy to :

1. The Secretary, Ministry of Coal, Shastri Bhawan, New Delhi.
2. The Secretary, Department of Environment & Forests, Government of Jharkhand, Secretariat, Ranchi.
3. The Chief Conservator of Forests, Regional office (EZ), Ministry of Environment & Forests, A/3 Chandrashekarpur, Bhubaneswar 751023.
4. The Member-Secretary, Jharkhand State Pollution Control Board, TA Building, HEC Complex, PO Dhurwa, Ranchi.
5. The Member-Secretary, Central Pollution Control Board, CBD-cum-Office Complex, East Arjun Nagar, Delhi 110032.
6. The Member-Secretary, Central Ground Water Authority, Ministry of Water Resources, Curzon Road Barracks, A-2, W-3 Kasturba Gandhi Marg, New Delhi.
7. The Advisor, Coal India Limited, SCOPE Minar, Core-I, 4t Floor, Vikas Marg, Laxmi Nagar, New Delhi.
8. The District Collector, **Hazaribagh**, Government of Jharkhand.
9. Monitoring File 10. Guard File 11. Record File. 12. Notice Board

(P. R. Sakhare)
Scientist C

Signature Not Verified
Digitally signed by PARIMAL PIYUSH
Date: 2025.06.25 14:23:24 IST
Reason: AGM(Commercial)
Location: NTPC Limited

एनटीपीसी लिमिटेड
(भारत सरकार का उद्यम)

NTPC Limited
(A Govt. of India Enterprise)

केन्द्रीय कार्यालय/ Corporate Centre

EXTRACTS FROM THE MINUTES OF 476TH MEETING OF THE BOARD OF DIRECTORS HELD ON WEDNESDAY, 21ST AUGUST, 2019.

10595 Item No. 476.2.2 Proposal for Investment Approval for Kerendari 'A' Coal Mining Project, Rated Production Capacity of 6 MTPA

X X X X X X X X X X X X X
X X X X X X X X X X X X X

The Board, after discussion, passed the following resolution:

Resolved that the Investment Proposal for Kerendari A Coal Mining Project (6 Million Tonnes Per Annum) at a'XYKno Capital Services Pvt. Ltd. appraised Current Estimated Cost of Rs. 4182.70 Crore including Interest During Construction (IDC) of Rs. 20.05 Crore and Working Capital Margin money (WCM) of Rs. 32.60 Crore as of 3rd Qtr. '2018 price level for departmental mode of operation with limited outsourcing, subject to Forest Clearance & Consent to Establish clearance from SPCB as per the memorandum submitted before the Board, be and is hereby approved.

Further resolved that the Chairman & Managing Director be and is hereby authorised to approve any subsequent updation in the cost estimates as well as the changes that may be required to be carried out based on comments of the agencies according statutory clearances.

Further resolved that modalities of procurement of Heavy Earth Moving Machinery (HEMM) and methodology of mining shall be reviewed by the Board after ten years of operation of the mine.

xxxxxx

CERTIFIED TRUE COPY
28/05/2025

रितु अरोड़ा
RITU ARORA
कम्पनी सचिव/Company Secretary
एनटीपीसी लिमिटेड/NTPC Limited
NTPC Bhawan, Score Complex,
7, Institutional Area, Lodhi Road, New Delhi-110003

Signature Not Verified
Digitally signed by PARIMAL
Date: 2025.06.25 14:23:24 IST
Reason: AGM(Commercial)
Location: NTPC Limited

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(भारत सरकार का उद्यम)
NTPC Limited
(A Govt. of India Enterprise)

केन्द्रीय कार्यालय/ Corporate Centre

COPY OF THE RESOLUTION PASSED BY THE BOARD OF DIRECTORS THROUGH CIRCULATION ON 15th JANUARY, 2021

CIRCULAR RESOLUTION NO. 1/2021

Subject: Development and Operation of Kerandari Coal Block allocated to NTPC under MDO mode

Resolved that the Kerandari coal block be developed & operated under MDO mode by appointing one mine developer-cum-operator for entire life of the mine, as per the memorandum submitted before the Board is hereby approved.

Further resolved that CMD and/or Director (Commercial) be and is hereby severally authorized to approve any further action related to appointment of mine developer-cum-operator for development & operation of Kerandari coal block.

******

Certified True Copy

Nandini Sarkar

नन्दिनी सरकार
NANDINI SARKAR
कंपनी सचिव
Company Secretary
एनटीपीसी लिमिटेड / NTPC Limited
NTPC Bhawan, Scope Complex,
7, Institutional Area, Lodi Road, New Delhi

Signature Not Verified
Digitally signed by PARIMAL PIYUSH
Date: 2025.06.29 14:23:24 IST
Reason: AGM(Commercial)
Location: NTPC Limited

F. No. 8-53/2011-FC
Government of India
Ministry of Environment, Forests and Climate Change
(Forest Conservation Division)

Indira ParyavaranBhawan,
Aliganj, Jor Bag Road,
New Delhi - 110003.

Dated: 28th August, 2019

To

The Principal Secretary (Forests),
Government of Jharkhand,
Ranchi.

Sub: Diversion of 243.32 ha of forest land for North Karanpura Coal Keredari Coal Mining Project in favour of M/s NTPC Ltd. in Chatra South and Hazaribagh West Forest Division of Districts Chatra and Hazaribagh, respectively in the State of Jharkhand – regarding.

Sir,

I am directed to refer to the State Government's letter no. 3/Vanbhumi-103/2010-1643 dated 4.05.2011 on the above subject seeking prior approval of the Central Government, in accordance with Section-2 of the Forest (Conservation) Act, 1980 After careful examination of the proposal by the Forest Advisory Committee, constituted under Section-3 of the said Act, 'in-principle' approval to the proposal under the Forest (Conservation) Act, 1980 was granted vide this Ministry's letter of even number dated 1st February, 2012 read with letter dated 17th July, 2019 subject to fulfillment of certain conditions prescribed therein. The State Government has furnished compliance report in respect of the conditions stipulated in the in-principle approval and has requested the Central Government to grant final approval.

In this connection, I am directed to say that on the basis of the compliance report furnished by the State Government vide letter No. 22 P 2 (2) 22/2010/575 dated 10.02.2014, 3/VanBhumi-103/2010/68-VP dated 06.01.2017, 3/VanBhumi-103/2010/1825-VP dated 08.05.2018, VanBhumi-103/2010/3956-VP dated 19.09.2018, Van Bhumi-103/2010-1301-VP dated 05.04.2019 and Van Bhumi-103/2010-2657-VP dated 16.07.2019, final approval of the Central Government is hereby granted under Section-2 of the Forest (Conservation) Act, 1980 for diversion of 243.32 ha of forest land for North Karanpura Coal Keredari Coal Mining Project in favour of M/s NTPC Ltd in Chatra South and Hazaribagh West Forest Division of Districts Chatra and Hazaribagh, respectively in the State of Jharkhand subject to following conditions:

1. Legal status of the diverted forest land shall remain unchanged;

2. (i) Compensatory Afforestation (CA) shall be raised and maintained by the State Forest Department over double degraded forest land (323.505 ha) equal in extent to the forest land being diverted, from the funds already provided by the User Agency;

   (ii) Approved site-specific CA schemes, in lieu of diversion of forest land of 243.32 ha shall be implemented by the State Forest Department from the funds already provided by the User Agency;

3. The State Government has realized the Net Present Value of the forest area diverted under this proposal from the User Agency as per the Judgment of the Hon'ble Supreme Court of India dated 28.03.2008 & 09.05.2008 in IA No. 566 in WP (C) No. 202/1995 and as per the guidelines issued by this Ministry vide letter No. 5-3/2007-FC dated 05.02.2009 in this regard, additional NPV if becomes due as per final order of Hon'ble Supreme Court, shall be paid by the User Agency;

4. The User Agency shall furnish an undertaking to pay the additional NPV, if so determined, as per

28.08.19

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Date: 2025.06.26 14:23:24 IST
Reason: AGM(Commercial)
Location: NTPC Limited

the final decision of Hon'ble Supreme Court of India;

5. Fencing, protection and regeneration of the safety zone area (7.5 metre strip all along the outer boundary of the mining lease area), wherever feasible, shall be done at the project cost. Besides this, afforestation on degraded forest land, to be selected elsewhere, measuring one and a half times the area under safety zone shall also be done at the project cost;

6. Funds, if any to be received from the User Agency under the project in future, shall be transferred, through e-challan, to the account of State CAMPA concerned;

7. In view of displacement of people the User Agency shall implement a welfare plan for displaced people, which can track individual displaced facilities and establish an appropriate welfare unit to monitor the welfare.

8. The User Agency shall implement the approved R&R Plan as submitted along with the compliance of Stage-I approval;

9. The period of diversion under this approval shall be twenty (20) years or coterminous with the valid mining lease subject to possession of valid mining lease under the MMDR Act, 1957;

10. The forest land shall not be used for any purpose other than that specified in the proposal;

11. The following activities shall be undertaken by the User Agency under supervision of the State Forest Department at the project cost:

    i. Proper mitigative measures to minimize soil erosion and choking of streams shall be implemented;

    ii. Planting of adequate drought hardy plant species and sowing of seeds to arrest soil erosion;

    iii. Construction of check dams, retention/toe walls to arrest sliding down of the excavated material along the contour;

12. Ample care shall be taken while reclaiming the mined area by employing suitable top soil management scheme and ensuring plantation of native species of the area;

13. The user agency shall provide fuel wood preferably alternate fuel such as kerosene oil and LPG to the labourers working at the site to avoid damage to adjoining forests;

14. No labour camps shall be set up inside the forest area;

15. The forest land proposed to be diverted shall under no circumstances be transferred to any other agency, department or person without prior approval of the Central Government;

16. The user agency shall pay the cost of implementation of Wildlife Management Plan, on pro rata basis, prepared by the State Government for the entire North Karanpura Field, as per the undertaking submitted by them and accepted by State Government along with the Stage-I compliance. Forest land shall be handed over to the user Agency, after realizing the proportionate cost from the User Agency. A copy of the approved Wildlife Life Management Plan, along with detail of proportionate cost shall be submitted to the Ministry and its Regional Office;

17. Any tree felling shall be done only when it is unavoidable under strict supervision of the State Forest Department. User Agency shall translocate the trees, marked for felling, wherever possible, in consultation with the State Forest Department;

18. No damage to the flora and fauna of the adjoining area shall be caused;

19. The user agency will obtain Environmental clearance and any other clearances required for such project, if required;

20. The user agency shall take up the de-silting of the village tanks within five km area from the mine

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Date: 2025.06.26 14:23:24 IST
Reason: AGM(Commercial)
Location: NTPC Limited

lease boundary as a Corporate's social responsibility so as to mitigate the impact of siltation of such tanks, if any;

21. The User Agency will ensure the dumping of over burden (OB) as per the approved phased Reclamation plan;

22. The State Government shall ensure that compliance of Scheduled Tribes and Other Traditional Forest Dwellers (Recognition of Forest Rights) Act, 2006 has been completed in accordance with the relevant Rules and Guidelines issued by the MoEF&CC in this regard;

23. Any other condition that the Dy. Director General of Forests (Central), Regional Office, Ranchi, may impose from time to time, with the approval of competent authority, for protection and improvement of flora and fauna in the forest area, shall also be applicable.

24. Compliance of any legal matters, in any court of law, shall be the responsibility of the user agency / and the State Government; and

25. The user agency shall submit the annual compliance report in respect of the above conditions to the State Government and to the Regional Office, Ranchi regularly.

Yours faithfully,

28/08/19

(Sandeep Sharma)
Assistant Inspector General of Forests (FC)

Copy to:-

1. The Principal Chief Conservator of Forest, Government of Jharkhand, Ranchi.
2. The Deputy Director General (Central), Regional Office, Ranchi.
3. The Nodal Officer (FCA), Office of the PCCF, Government of Jharkhand, Ranchi.
4. User Agency.
5. Monitoring Cell of FC Division.
6. Guard File.

28/08/19

(Sandeep Sharma)
Assistant Inspector General of Forests (FC)

Signature Not Verified
Digitally signed by PARIMAL PIYUSH
Date: 2025.06.28 14:23:24 IST
Reason: AGM(Commercial)
Location: NTPC Limited

JHARKHAND STATE POLLUTION CONTROL BOARD

TOWNSHIP ADMINISTRATION BUILDING, HEC COMPLEX, DHURWA, RANCHI 834004
Telephone: 0651-2400850 (Fax)/ 2400851/2400852/2401847/2400979/2400139

Ref No.: JSPCB/HO/RNC/CTE-4866179/2019/544 Dated : 2019-09-24

Consent to Establish (CTE) under section 25 /26 of the Water (Prevention & Control of Pollution) Act, 1974 and under section 21 of the Air (Prevention & Control of Pollution) Act, 1981

1. Reference: Application (s) No.- 4866179 / dated : 06/09/2019 of KERANDARI COAL MINING PROJECT, Sh. A.K.Gupta for consent under section 25 /26 of the Water (Prevention & Control of Pollution) Act, 1974 and under section 21 of the Air (Prevention & Control of Pollution) Act, 1981

2. Documents Relied Upon:

(a) The content of Environmental Clearance (EC), Ref No No. J-11015/133/2007-IA.II(M) dated 31.03.2010, MoEF&CC, New Delhi.

(b) the content of Forest Clearance (FC), vide ref. no. F. No. 8-53/2011-FC, dated 28.08.2019 and 01.02.2012.

(c) The content of F. No. 13016/59/2015-CA-III, dated 12.02.2016 regarding non-applicability of mining lease for the land acquired under CBA Act, 1957.

(d) The content of Consent to Establish,Ref. No.-D-502(N) Dated 07.03.2011, JSPCB, Ranchi.

(e) The content of Consent to Establish, Extension Ref. No.-B-231 Dated 25.01.2017, JSPCB, Ranchi.

(f) The content Inspection Report (I/R) Memo No. 555 dated 18.04.2019 of Regional Office, JSPCB, Hazaribagh.

3. The consent is granted under section 25 / 26 of the Water (Prevention & Control of Pollution) Act, 1974 and under section 21 of the Air (Prevention & Control of Pollution) Act, 1981 to establish the project in Mauza- Terehassa, Pandu, P S -Keredari, District-HAZARIBAGH as follows:

Project	Site-Area		Investment (Rs)/ Year	Product & Capacity	Period of CTE
	Plot Nos.	Area			
In Expansion	As per EC and FC	As per EC and FC	89947.21 Lacs (as per EC)	Coal - 6.0 MTPA (As per EC)	Date of issue to 31.12.2019

(A) Specific Conditions:

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Digitally signed by PARIMAL PIYUSH
Date: 2025.06.26 14:23:24 IST
Reason: AGM(Commercial)
Location: NTPC Limited

1. Whereas, Consent to Establish was granted to your unit ,Ref. No.-D-502(N) Dated 07.03.2011, JSPCB, Ranchi.
2. Whereas, Consent to Establish was Extended up to 31.12.2017 vide Ref. No.-B-231 Dated 25.01.2017, JSPCB, Ranchi.
3. That, the occupier shall complete all the required works within the stipulated period and submit progress report to the Board in respect of completion of work in every six month.
4. That, the occupier shall submit compliance report to the Board every six month of the conditions stipulated in Environmental clearance issued by MoEF & CC.
5. That, the occupier shall submit compliance report to the Board of the conditions stipulated in NOC (CTE) by JSPCB.
6. Whereas, you have submitted application for extension of validity of CTE for further 02 yeras as land acquisition and development of infrastructure facilities for commencement of the Coal mining activities are under process.
7. That, the conditions mentioned in primary CTE and in the consecutive CTEs granted earlier are applicable in this CTE also.
8. Therefore,in view of the above the competent authority is pleased to extend the validity of CTE for the period upto 31.12.2022 subject to the following conditions:-
9. That, the occupier shall submit application for grant of CTO online under Water (Prevention and Control of Pollution) Act, 1974 and Air (Prevention and Control of Pollution) Act, 1981, four months prior to commissioning of the plant.

(B) General Conditions :

(1) That, the occupier shall construct pucca (i) minimum ten feet high boundary wall and (ii) approach road and internal roads and shall keep the premises neat and clean and tidy.

(2) That, the occupier shall install comprehensive enclosure (s) to cover the places of unloading of raw materials, the equipments of their processing & transferring, the places of loading of products, by products and wastes for prevention of fugitive emission and shall install such automatic inbuilt system(s) that in house dust/ gases collect(s) and undergo (es) cleaning and clean air goes out.

(3) That, the occupier shall install such automatic inbuilt system(s) that process flue gas(es) / process gas(es) and undergo(es) cleaning and clean air go(es) out through the chimney(s), having height(s) as per Central Pollution Control Board norm.

(4) That, the occupier shall have D G Set(s) of the standard as laid in the Environment (protection) Rules, 1986 and shall install it (them) within acoustic enclosure (s) and shall keep the height(s) of exhaust pipe(s) as per Central Pollution Control Board norm .

(5) That, the occupier shall impart treatment as per Central Pollution Control Board text to wastewater and shall keep process effluent in close-circuit and effluent from other sources in conformity with the standard (s).

(6) That, the occupier shall install Central Ground Water Board/ State Ground Water Directorate approved system of rain water harvesting-cum-ground water recharge.

(7) That, the occupier shall create new water body (ies) / remove deposit(s) of existing water body(ies) and nearby stream(s) and pond(s) and shall maintain the wholesomeness of water.

(8) That, the occupier shall grow greenery in the periphery and other available spaces and shall continue enhancing its plant density and biodiversity.

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Date: 2025.06.26 14:23:24 IST
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Location: NTPC Limited

(9) That, this CTE is valid subjected to the validity of mining Lease / Mining Plan / Ecofriendly / Environmental Clearance, if applicable. In case of no renewal of Mining Lease/Mining Plan, this consent shall be treated as revoked automatically.

(10) That, this CTE is issued from the environmental angle only and does not absolve the occupier from other statutory obligations prescribed under any other law or any other instrument in force. The sole and complete responsibility to comply with these conditions laid down in all other laws for the time being in force, rests with the industry/ unit/ occupier.

(11) That, this CTE shall not in any way, adversely affect or jeopardize the legal proceeding , if any, instituted in the past or that could be , instituted against you by the State Board for violation of the provisions of the Act or the Rules made there under.

(12) That, the occupier shall comply with all applicable provisions of the Water (Prevention & Control of Pollution) Act, 1974; the Water (Prevention & Control of Pollution) Cess Act, 1977; the Air (Prevention & Control of Pollution) Act, 1981; and the Environment (Protection) Act, 1986 and Rules there under.

4. **That, this CTE shall not absolve the occupier from making compliance of other statutory prescribed under any law or direction of courts or any other instrument for the time being in force.**

5. **That, this CTE is being issued on the basis of information/ documents/ certificate submitted by the unit. This CTE will be revoked if any of the information/ documents/ certificates/ undertaking given by the occupier is found false/fictitious/forged in future.**

6. **This order shall be valid subject to compliance of all other legal requirements applicable to the unit.**

7. **The State Board reserves the right to revoke, withdraw or make any reasonable variation / change / alteration in condition of this consent.**

This is issued with the approval of the competent authority

RAJEEV LOCHAN BAKSHI
Digitally signed by RAJEEV LOCHAN BAKSHI
Date: 2019.09.24 13:42:41 +05'30'

[Rajeev Lochan Bakshi]
Member Secretary

Memo No. : JSPCB/HO/RNC/CTE-4866179/2019/544

Dated : 2019-09-24

Copy to : M/s KERANDARI COAL MINING PROJECT, CCL, BARKAGAON SITE OFFICE, P.O.-KEREDARI, District-Hazaribagh, Jharkhand/ Chief Inspector of Factories, Ranchi/ Director of Industry, Government of Jharkhand, Ranchi/ Director of Mines, Government of Jharkhand, Ranchi/ Deputy Commissioner, Hazaribagh/ DFO, Hazaribagh/ DMO, Hazaribagh/ R O, JSPCB, Hazaribagh for information & necessary action.

RAJEEV LOCHAN BAKSHI
Digitally signed by RAJEEV LOCHAN BAKSHI
Date: 2019.09.24 13:42:41 +05'30'

Signature Not Verified
[Rajeev Lochan Bakshi]
Member Secretary
Digitally signed by PARIMAL PIYUSH
Date: 2025.06.26 14:23:24 IST
Reason: AGM(Commercial)
Location: NTPC Limited

JHARKHAND STATE POLLUTION CONTROL BOARD

TOWNSHIP ADMINISTRATION BUILDING, HEC COMPLEX, DHURWA, RANCHI 834004
Telephone: 0651-2400850 (Fax)/ 2400851/2400852/2401847/2400979/2400139

Ref No. JSPCB/HO/RNC/CTO-6525836/2019/2582 Dated : 2019-12-28

Consent to operate (CTO) under section 25 /26 of the Water (Prevention & Control of Pollution) Act, 1974 and under section 21 of the Air (Prevention & Control of Pollution) Act, 1981

1. Application (s) dated 2019-10-04 of KERANDARI COAL MINING PROJECT, Occupier Name :Sh A K Gupta for consent under section 25 (1)(b)/25 (1) (c)/26 of the Water (Prevention & Control of Pollution) Act, 1974 and under section 21(1) of the Air (Prevention & Control of Pollution) Act,1981..

2. Documents Relied Upon:

(a) The content of EC, Ref.No. J-11015/133/2007-IA.II(M) dated 31.03.2010 issued by MoEF, New Delhi.

(b) The content of Consent-to-Establish (CTE), Ref No. JSPCB/HO/RNC/CTE-4866179/2019/544 dated 24.09.2019, JSPCB, Ranchi.

(c) The content of Forest Clearance (FC), vide ref. no. F. No. 8-53/2011-FC, dated 28.08.2019.

(d) The content of F. No. 13016/59/2015-CA-III, dated 12.02.2016 regarding non-applicability of mining lease for the land acquired under CBA Act, 1957.

(e) The content of Inspection Report (I/R) vide Ref No. 1659 dated 22.10.2019 of Regional Office-Cum-Laboratory,JSPC Board, Hazaribagh.

3. The consent is granted under section 25 / 26 of the Water (Prevention & Control of Pollution) Act, 1974 and under section 21 of the Air (Prevention & Control of Pollution) Act, 1981 to operate the project in Mauza -Terehassa, Pandu , P S -Keredari , District -HAZARIBAGH , as follows:

Project	Site-Area		Investment (Rs)	Product & Capacity	Period of CTO
	Plot Nos.	Area			Date of issue To
Before Expansion	As per EC and FC	As per EC and FC	89947.21 Lacs (as per EC)	Coal - 6.0 MTPA (As per EC)	30/06/2020

(A) Specific Conditions:

1. That, the occupier shall submit point wise compliance report of EC and CTO on six monthly basis.

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Date: 2025.06.26 14:23:24 IST
Reason: AGM(Commercial)
Location: NTPC Limited

2. That, the occupier shall if be found violating the Consent to Operate at any point of time during inspection of the plant by the competent authority, the Consent to Operate shall be revoked as per provision of the acts.

3. That, the occupier shall not do mining activity in the forest land without prior obtaining the FC from concerned authority and CTO from JSPCB.

4. That, the occupier shall reclaim mined out areas with OB and shall plant trees on them.

5. That, the occupier shall construct catch drain, siltation pond retaining wall of appropriate size to arrest silt & sediment flows from soil, OB dump and mineral dump.

6. That, the occupier shall maintain proper housekeeping in the premises.

7. That, the occupier shall inform to Regional Office-Cum- Lab, Hazaribagh and Head Office, JSPC Board, at Ranchi within 24 hrs from the time of closure or opening of the plant.

8. That, the occupier shall do Over Burden management properly as prescribed in environmental clearance.

9. That, the occupier shall construct toe wall and garland drain around the OB dump.

10. That, the occupier shall operate crushers at CHP with high efficiency bag filters, water sprinkling system
to check fugitive emission.

11. That, the occupier shall install ETP for workshop, coal washery & CHP waste water.

12. That, the occupier shall not do any type of mining activity in the forest land without obtaining prior forest clearance (FC) from the concerned authority.

13. That, the occupier shall comply all the conditions of EC and CTE within the consent period otherwise, CTO for further period will not be considered.

14. That, the occupier shall submit applications for renewal of consent under section 25/ 26 of the Water (Prevention & Control of Pollution) Act, 1974 and under section 21 of the Air (Prevention & Control of Pollution) Act, 1981 again 120 days prior to the date of expiry of this consent with documents showing the compliance of all of the above conditions.

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Date: 2025.06.26 14:23:24 IST
Reason: AGM(Commercial)
Location: NTPC Limited

(B) General Conditions :

(1) That, the occupier shall maintain the **National Ambient Air Quality Standard** given below:

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Date: 2025.06.26 14:23:24 IST
Reason: AGM(Commercial)
Location: NTPC Limited

S N	Pollutant	Time Weighted Average	Concentration in Ambient Air	
			Industrial, Residential, Rural and Other Area	Ecologically Sensitive Area (notified by Central Govt.)
(1)	(2)	(3)	(4)	(5)
1.	Sulphur Dioxide (SO2), µg/m3	Annual 24 hours	50 80	20 80
2.	Nitrogen Dioxide (NO2), µg/m3	Annual 24 hours	40 80	30 80
3.	Particulate Matter (size less than 10 µm) or PM10, µg/m3	Annual 24 hours	60 100	60 100
4.	Particulate Matter (size less than 2.5 µm) or PM2.5, µg/m3	Annual 24 hours	40 60	40 60
5.	Ozone(O3), µg/m3	8 hours 1 hour	100 180	100 180
6.	Lead (Pb) µg/m3	Annual 24 hours	0.50 1.0	0.50 1.0
7.	Carbon Monoxide (CO) mg/m3	8 hours 1 hour	02 04	02 04
8.	Ammonia (NH3) µg/m3	Annual 24 hours	100 400	100 400
9.	Benzene (C6H6) µg/m3	Annual	05	05
10.	Benzo(a) Pyrene(BaP) Particulate Phase only ng/m3	Annual	01	01
11.	Arsenic (As) ng/m3	Annual	06	06
12.	Nickel (Ni) ng/m3	Annual	20	20

Note : Serial no. 1 to 4 – Mandatory
Serial no. 5 to 12 As applicable for specific type of industry.

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Reason: AGM(Commercial)
Location: NTPC Limited

(2) That, the occupier shall maintain the emission quality within the standard and the quantity, as follows:

S N	Parameter	Standard
1	Particulate Matter	150 mg/Nm3

(3) That, the occupier shall keep process effluent in close-circuit and the quality of effluent from other sources in conformity with the standard (s) and the discharge quantity as below:

S N	Parameter	Standard
1	Total Suspended Solids	100 mg/L
2	BOD	30 mg/L
3	COD	250 mg/L
4	Oil & Grease	10 mg/L

(4) That, the occupier shall dispose of solid wastes as follows:

S N	Waste Type	Mode of Disposal
1	Hazardous Carbonaceous Wastes	In co-processing in high temperature furnaces or kilns
2	Hazardous Non-Carbonaceous Wastes	In TSDF
3	Non-Carbonaceous Non-Hazardous solid wastes/ Mine Over Burden	As a substitute of Soil or Mineral

(5) That, the occupier shall keep D G Set(s) within acoustic enclosure and shall keep the height(s) of exhaust pipe(s) as per Central Pollution Control Board norm.

(6) That, the occupier shall install and maintain Central Ground Water Board/ State Ground Water Directorate approved system of rain water harvesting-cum-ground water recharge and submit the photographic view of the structures within a month.

(7) That, the occupier shall grow and maintain greenery of the project in the periphery and other available spaces and shall continue enhancing its plant density and biodiversity.

(8) That, the occupier shall submit environmental statement with supporting stoichiometric calculations analyses reports, every year latest by 30th September of the next financial year.

(9) That, the occupier shall submit report(s) duly monitored and issued by an NABL accredited / ISO 9001:2008 and OHSAS 18001:2007 certified laboratory in compliance sub-para (2), (3), (4) and (5) of paragraph 3 of this CTO yearly at required periodicity.

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Date: 2025.06.26 14:23:24 IST
Reason: AGM(Commercial)
Location: NTPC Limited

(10) That, this CTO is valid subjected to the validity of mining Lease/Mining Plan/Ecofriendly/Environmental Clearance, if applicable. In case of no renewal of Mining Lease/Mining Plan, this consent shall be treated as revoked automatically.

(11) That, this CTO is issued from the environmental angle only and does not absolve the occupier from other statutory obligations prescribed under any other law or any other instrument in force. The sole and complete responsibility to comply with these conditions laid down in all other laws for the time-being in force, rests with the industry/ unit/ occupier.

(12) That, this CTO shall not in any way, adversely affect or jeopardize the legal proceeding , if any, instituted in the past or that could be , instituted against you by the State Board for violation of the provisions of the Act or the Rules made there under.

(13) That, the occupier shall comply with all applicable provisions of the Water (Prevention & Control of Pollution) Act, 1974; the Water (Prevention & Control of Pollution) Cess Act, 1977; the Air (Prevention & Control of Pollution) Act, 1981; and the Environment (Protection) Act, 1986 and Rules made there under.

4. That, this CTO shall not absolve the occupier from making compliance of other statutory prescribed under any law or direction of courts or any other instrument for the time being in force.

5. That, this CTO is being issued on the basis of information/ documents/ certificate submitted by the unit. This CTO will be revoked if any of the information/documents/certificates/undertaking given by the occupier is found false/fictitious/forged in future.

6. The Order shall be valid subject to compliance of all other legal requirements applicable to the unit.

7. The State Board reserve the right to revoke, withdraw or make any reasonable variation / change / alteration in conditions of this consent.

This is issued with the approval of the Competent authority

RAJEEV LOCHAN BAKSHI
Digitally signed by RAJEEV LOCHAN BAKSHI
Date: 2019.12.28 18:32:33 +05'30'

[Rajeev Lochan Bakshi]
Member Secretary

Memo No. : JSPCB/HO/RNC/CTO-6525836/2019/2582

Dated : 2019-12-28

Copy to: M/s KERANDARI COAL MINING PROJECT, At- BARKAGAON SITE OFFICE, Kerandari, Dist- Hazaribagh/ Chief Inspector of Factories, Ranchi/ Director of Industry, Government of Jharkhand, Ranchi/ Director of Mines, Government of Jharkhand, Ranchi/ Deputy Commissioner, Hazaribagh/ DFO, Hazaribagh/ DMO, Hazaribagh/ R O, JSPCB, Hazaribagh for information & ensuring compliance of the above.

RAJEEV LOCHAN BAKSHI
Digitally signed by RAJEEV LOCHAN BAKSHI
Date: 2019.12.28 18:33:01 +05'30'

[Rajeev Lochan Bakshi]
Member Secretary

Signature Not Verified
Digitally signed by PARIMAL PIYUSH
Date: 2025.06.26 14:23:24 IST
Reason: AGM(Commercial)
Location: NTPC Limited

भारत सरकार
कोयला मंत्रालय
कोयला नियंत्रक का कार्यालय
1, काउंसिल हाउस स्ट्रीट, कोलकाता - 1

सत्यमेव जयते

CC/ Tech/Online Op-perm/Kerandari Coal Mining Project/NTPC/19-20
Government of India
Ministry of Coal
Office of the Coal Controller
1, Council House Street, Kolkata - 700 001

टेलीफोन /Ph: 033 22489612-16; Fax: 22482459;

ई–मेल/ E-mail: coalcont-wb@nic.in

Dated, the 13th January, 2020.

सेवा में,

नामित मालिक

NTPC Limited,
NTPC Bhawan, Core 7,
5th Floor, Scope Complex,
7, Industrial Area, Lodhi Road,
New Delhi – 110003.

Sub: Permission to open IV Top, IV Bottom, IV Comb, III Bottom, II Top, II Bottom, I Top, I Middle, I Top Middle and I Bottom seams of Kerandari Coal Mining Project of NTPC Limited.

Ref: i) Your online application ID No. NTOCKE0001078 dated 25.10.2019.

Sir,

With reference to the above, this is to inform that you have applied online for permission to open IV Top, IV Bottom, IV Comb, III Bottom, II Top, II Bottom, I Top, I Middle, I Top Middle and I Bottom seams of Kerandari Coal Mining Project of NTPC Limited, uploading / submitting following documents:

1.

i) Allotment Order No. 103/29/2015/NA dated 08.09.2015 of Kerandari Coal Mine for Specified End Use Plant Tanda – II (2 X 660 MW).
ii) Approval of Mining Plan of Kerandari Coal Mining Project (6 MTY), vide No. 13016/29/2003-CA-I dated 04.08.2008 of Ministry of Coal.
iii) Land acquisition document vide S.O. 3217 dated 26.11.2009 (F. No. 43015/8/2006/PRIW-I (Vol. III)) taken under Coal Bearing Areas (Acquisition and Development) Act, 1957.
iv) Revenue plan of Kerandari Coal Mining Project.
v) Forest Clearance no. 8-53/2011-FC dated 28.08.2009, for diversion of 243.32 Ha of forest land.
vi) Revalidation/Transfer of EC vide No. J-11015/13/2007-IA-II(M) Pt. file dated 28th October, 2015 for production of 6MTPA in a total project area of 1173 Ha.
vii) DGMS Notice under the Coal Mines Regulations, 2017 along with Form-I vide No. NTPC/KDCMP/Mining/24 dated 24.10.2019.
viii) Safety Management Plan.
ix) Consent letter vide No. JSPCB/HO/RNC/CTO-6525836/2019/2582 dated 28.12.2019 issued by Jharkhand State Pollution Control Board.
x) CGWA NOC No. CGWA/NOC/MIN/ORIG/2019/5529 dated 26.06.2019.

13/01/2020

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Digitally signed by PARIMAL PIYUSH
Date: 2025.06.26 14:23:24 IST
Reason: AGM(Commercial)
Location: NTPC Limited

xi) Form 2D of Manager submitted to DGMS vide No. NTPC/KDMCP/Mining/ dated 14.10.2019.
xii) Form 2D of Agent submitted to DGMS vide No. NTPC/KDCMP/Mining/21 dated 14.10.2019.
xiii) Escrow a/c detail.

2 The coal mine was inspected by a team of OSD/CCO, Ranchi on 04.12.2019 and report submitted through portal and email enclosing other documents on 31.12.2019.

3. Under Rule 9 (1) of the Colliery Control Rules, 2004 and in exercise of powers conferred by Gazette notification G.S.R. 816(E), dated 15th November, 2011, this mine opening permission is being given with the following conditions:

i) Un-interrupted mining in the proposed region keeping conservation of all underlying & overlying virgin /developed seams in view must be ensured.
ii) Before starting mining operation, surface right on the proposed area of working must be ensured.
iii) The mining company shall take all necessary precautions regarding safety of mine workings, persons deployed therein and also guard against dangers from inundation, fire, gas, roof/side fall etc.
iv) All mining operations must be restricted within the limits bounded on the working plan. OB is to be dumped as per approved plan. In due course, if any permission / relaxation is required under the Mines Act, 1952 and the Coal Mines Regulation, 2017, the same shall be obtained by the project proponent from the DGMS.
v) Periodical information on production, dispatch, stock etc. as the case may be, should be submitted by the owner of the mine to the office of Coal Controller as and when required.
vi) All the conditions of Escrow A/c agreement as per the approved Mine Closure Plan (progressive and final) should be strictly complied.

4. This permission to open IV Top, IV Bottom, IV Comb, III Bottom, II Top, II Bottom, I Top, I Middle, I Top Middle and I Bottom seams of Kerandari Coal Mining Project of NTPC Limited is issued without prejudice to any relevant rules/ regulations etc.

5. A line of confirmation shall be communicated within 15 days from the date of receipt of this letter.

भवदीय,

13/01/2020

(अंजनी कुमार)
(Anjani Kumar)
कोयला नियंत्रक
Coal Controller

Copy forwarded for information to:

1. Joint Secretary (Coal), Ministry of Coal, Shastri Bhawan, New Delhi.
2. Nominated Authority, Ministry of Coal, Shastri Bhawan, New Delhi
3. The Advisor (Projects), Ministry of Coal, Shastri Bhawan, New Delhi.
4. The D.M.S., DGMS, Ranchi region.
5. OSD, CCO, Ranchi.

Signature Not Verified
Digitally signed by PARIMAL PIYUSH
Date: 2025.06.26 14:23:24 IST
Reason: AGM(Commercial)
Location: NTPC Limited

एनटीपीसी NTPC

एन टी पी सी लिमिटेड
(भारत सरकार का उद्यम)
NTPC Limited
(A Govt. of India Enterprise)
(Formerly National Thermal Power Corporation Ltd.)

केन्द्रीय कार्यालय/Corporate Centre

Ref. No.: CS-7012-602(R6)-9-CS-LOA-7265 **Date: 01.02.2023**

To,

M/s BGR Mining & Infra Limited
8-2-596/R, Road No. 10,
Banjara Hills,
Hyderabad-500034

Kind Attn.: Mr. D Yugesh. V. S. Purushottam, GM (Corporate Planning & Strategy)

Sub.: Letter of Acceptance for Development and Operation of Kerendari -'A' Coal Block under Bidding Document No. CS-7012-602(R6)-9

Dear Sir,

1.0 This has reference to the following:

(i) Our IFB No. / Bidding Doc. No. CS-7012-602(R6)-9 dated 01.09.2022.

(ii) Bidding Documents for the subject package uploaded at Government e-Marketplace website *https://gem.gov.in/* (GeM Portal) against GeM Bid Number GEM/2022/B/2674971 dated 27.10.2022 under "Mine Development & Operation (MDO)" service category.

(iii) Following Amendments, Errata and Clarifications to the Bidding Documents issued:

a) Amendment No. 01 to Bidding Documents vide document no. CS-7012-602(R6)-9-AMDT.01 dated 12.12.2022

b) Amendment No. 02 to Bidding Documents vide document no. CS-7012-602(R6)-9-AMDT.02 dated 12.12.2022

c) Amendment No. 03 to Bidding Documents vide document no. CS-7012-602(R6)-9-AMDT.03 dated 12.12.2022

d) Errata No. 01 to Bidding Documents vide document no. CS-7012-602(R6)-9-ERRATA.01 dated 12.12.2022

e) Clarification No. 01 to Bidding Documents vide document no. CS-7012-602(R6)-9-CLRF.01 dated 12.12.2022

f) Clarification No. 02 to Bidding Documents issued vide document no. CS-7012-602(R6)-9-CLRF.02 dated 12.12.2022

BIKRAM MANDAL Digitally signed by BIKRAM MANDAL Date: 2023.02.01 14:15:30 IST

Signature Not Verified
Digitally signed by PARIMAL PRAKASH
Date: 2023.02.01 14:23:24 IST
Reason: AGM(Commercial)
Location: NTPC Limited

Ref. No.: CS-7012-602(R6)-9-CS-LOA-7265 **Date: 01.02.2023**

(iv) Your online Bid consisting of Techno-Commercial Proposal ref. no. BGR/NTPC/001 dated 26.12.2022 and Price Proposal ref. no. BGR/NTPC/2022-23/05 dated 26.12.2022 for the subject package.

(v) Your 'Certificate of Compliance' as per ITB Appendix-10 for the subject package, confirming compliance to six attributes such as: (a) Total Compliance / Nil Deviation; (b) Compliance on Qualifying Requirement;(c) Compliance on the Integrity Pact; (d) Compliance on Restriction on Procurement from a Bidder of a country which shares a land Border with India; (e) Compliance on Fraud Prevention Policy; (f) Compliance on Policy for Withholding and Banning of Business Dealings.

(vi) Your Techno-Commercial Proposal opened on 27.12.2022.

(vii) NTPC letter/e-mail dated 03.01.2023 & 04.01.2023 seeking clarifications to Techno Commercial Proposal.

(viii) Clarification furnished vide your email dated 06.01.2023 in response to NTPC's letter/e-mail dated 03.01.2023 & 04.01.2023.

(ix) NTPC e-mail dated 06.01.2023 seeking clarifications to Techno Commercial Proposal.

(x) Clarification furnished vide your email dated 07.01.2023 in response to NTPC's e-mail dated 06.01.2023.

(xi) NTPC e-mail dated 18.01.2023 regarding intimation of opening of Price Proposals for the subject package scheduled on 19.01.2023 and Reverse Auction for the subject package scheduled from 19.01.2023 to 20.01.2023.

(xii) Price Bid opening held on 19.01.2023 (at 1000 Hrs.);

(xiii) Online Reverse Auction vide RA No. GEM/2023/R/163792 conducted from 19.01.2023 (at 1052 Hrs.) up to 20.01.2023 (at 1330 Hrs.) on GeM Portal.

(xiv) The final price schedule, having item wise price break up for all the items in the prescribed format / price break, submitted by you in line with the provisions mentioned at clause 13.1 (J) of ITB, vide email dated 20.01.2023

Digitally signed by BIKRAM MANDAL
Date: 2025.06.20 14:23:24 IST
Reason: AGM(Commercial)
Location: NTPC Limited
Signature Not Verified

Ref. No.: CS-7012-602(R6)-9-CS-LOA-7265 **Date: 01.02.2023**

after completion of Reverse auction on 20.01.2023, indicating Mining Fee per Tonne (excluding GST) of INR 1237.28 and your total price of the package of INR 17289,75,07,200/- (excluding GST) and INR 20401,90,58,496/- (including GST @ 18%).

2.0 In terms of ITB Clause 6.4.3 of Bid Documents, we hereby convey our acceptance to your Bid submitted for the subject package read in conjunction with the provisions of the bidding documents and Amendments/ Errata/Clarifications referred at Para 1.0 above and award the subject package on you as per the details below:

(i) The Mining Fee of **INR 1237.28/- per Tonne** excluding GST for production of 139.74 Million Tonne of coal with average strip ratio of 4.41 m3/Tonne amounting to a total outflow of **INR 17289,75,07,200 (Indian Rupees Seventeen Thousand Two Hundred Eighty Nine Crore Seventy Five Lakh Seven Thousand Two Hundred only)** excluding GST for a period of 25 years of coal production.

(ii) Mining Fee payable shall further be subject to adjustment for Strip ratio and escalation as per the formulae stipulated in Schedule-11 of Project Agreement. Value of coefficients & Source of indices/prices for calculating price escalation shall be as furnished by BGR Mining & Infra Limited in their Bid (Copy enclosed as **Annexure-I**).

(iii) Further, Assistance Fee of INR 20 Crore (excluding GST) shall also be paid to the Mine Operator for achieving the targeted physical possession of land for Mining and Coal Conveyor corridor, as per Clause 16.1 of Project Agreement.

(iv) Taxes, Duties and Levies shall be as per the provisions of Project Agreement read in conjunction with Amendments, Errata & Clarifications to Bidding Documents.

(v) All other terms and conditions shall be as per the provisions of the bidding documents read in conjunction with Amendments, Errata & Clarifications to bidding documents referred at Para 1.0 above.

3.0 This Letter of Acceptance is being issued to the Selected Bidder as per ITB Clause 6.4.3. Further, GeM PO shall also be issued to Selected Bidder and Selected Bidder have to make the payment of "Transaction Fee/AMC" as per GeM Policy for downloading GeM PO. In case, the Selected Bidder fails and/or

BIKRAM Digitally signed by BIKRAM
Signature Not Verified
MANDAL
Digitally signed by PANKAJ
PIYUSH
Date: 2025.06.25 14:22:22 IST
Reason: AGM(Commercial)
Location: NTPC Limited

Ref. No.: CS-7012-602(R6)-9-CS-LOA-7265 **Date: 01.02.2023**

denies making the payment of "Transaction Fee/AMC" as per GeM Policy, its Bid Security shall be forfeited, pursuant to ITB Clause 12.4.

This Letter of Acceptance shall supersede and will have overriding effect on GeM PO in case of any conflicting provisions.

4.0 In line with the provisions stipulated at ITB Clause 6.4.4 of Bidding Documents, Owner will send the Mine Operator, the Project Agreement along with all the documents specified at Clause 1.3 of Project Agreement. Within twenty-eight (28) days of receipt of the Project Agreement, Project Agreement along with all the documents specified at Clause 1.3 of Project Agreement shall be signed and returned by the Mine Operator.

5.0 Within 30 days of issue of Letter of Acceptance by NTPC, the Mine Operator shall furnish a Contract Performance Guarantee in line with the provisions stipulated at ITB Clause 12.5 of Bidding Documents.

6.0 This Letter of Acceptance is being issued to you in duplicate. We request you to return its duplicate copy along with annexure duly signed and stamped on each page by the authorized signatory as a proof of your acknowledgement and confirmation.

Thanking You,

Yours faithfully,
For and on behalf of NTPC Limited

BIKRAM MANDAL
Digitally signed by BIKRAM MANDAL
Date: 2023.02.01 14:43:01 +05'30'

Name: Bikram Mandal
Designation: AGM (CS)
Email: bmandal@ntpc.co.in
Tel. No.: +91-120-4946662

Encl.: Annexure-I

ANNEXURE-I to LOA

BGR MINING & INFRA LIMITED

040 23351932
bgrmining.com
ho.hyd@bgrmining.com

APPENDIX 11: EXHIBIT 2-COMLIANCE TO COMPONENTS OF ESCALATION FORMULAE

From:
BGR Mining & Infra Limited
8-2-596/R, Road No 10,
Banjara Hills, Hyderabad
PIN: 500034

To
AGM (CS)
NTPC Limited,
6th Floor, EOC, Plot No. A-8A,Sector-24, NOIDA-201 301,
Distt. Gautam Budh Nagar (Uttar Pradesh),
INDIA

Dear Sir,

Sub: Project Proposal for Development and Operation of Kerendari "A" Coal Block

We hereby confirm that the Components considered for Escalation of Mining Fee stipulated inSchedule-11 of Project Agreement and re-produced below are acceptable to us. Further, we have indicated Value of Coefficients of Tyres (b), Heavy Machinery and parts (c), Fuel (d), Explosive (e) and Power (p) considering the following conditions:

- **b = 0.04 to 0.08**
- **c = 0.14 to 0.20**
- **e = 0.04 to 0.08**
- **d + p = 0.30 to 0.40**
- **l + w = 0.12**
- **F + a + b + c + d + e + p + l + w = 1.00**

S.No.	Value of Coefficient	Description of coefficient	Source of Index/ Price
1	F = 0.20	Fixed	
2	a = 0.04	Other Stores	WPI series for "**All Commodities**" as published by the Office of Economic Advisor, Ministry of Commerce & Industry, Government of India **(Base Year: 2011-12 = 100)**
3	**b = *0.05***	Tyres	Monthly WPI series for "**Medium & Heavy Commercial Vehicle Tyre**" as published by theOffice of Economic Advisor, Ministry of Commerce & Industry, Government of India **(Base Year: 2011-12 = 100)**

BIKRAM MANDAL
Digitally signed by BIKRAM MANDAL
Date: 2023.02.01 14:48:49 +05'30'

Signature Not Verified
Digitally signed by PARIMAL PIYUSH
Date: 2025.05.29 14:23:24 IST
Reason: AGM(Commercial)
Location: Hyderabad

4	c = 0.15	Heavy Machinery and parts	WPI series for "**Mining, Quarrying & Metallurgical Machinery/parts**" as published by the Office of Economic Advisor, Ministry of Commerce & Industry, Government of India (**Base Year: 2011-12 = 100**)
5	d =0.39	Fuel	Arithmetical Average of Selling Price of **Bulk Diesel** per litre inclusive of Taxes & Duties for the Project Site received from IOCL for a particular month.
6	e = 0.04	Explosive	WPI series for "**Explosive**" as published by aspublished by the Office of Economic Advisor, Ministry of Commerce & Industry, Government of India (**Base Year: 2011-12 = 100**)
8	p = 0.01	Power	"**Power Tariff for High Tension Service**" as notified by Jharkhand State Electricity Regulatory Commission.
9	l = 0.02	Salaries and wages	"**All India consumer Price Index for industrial workers**" (All India monthly average) published by Labour Bureau, Simla, Government of India. (BaseYear: 2016 = 100)
10	w = 0.10	Salaries and wages	Arithmetical average of HPC wages for Unskilled, Semi-skilled, Skilled and Highly skilled category workers and other benefits, as per the recommendations of High Powered Committee appointed by Coal India Limited, Ministry of Coal, Govt. of India and the rates notified by the Coal IndiaLimited from time to time.

Date: 26.12.2022

Place: Hyderabad

For and on behalf of :

BGR Mining & Infra Limited

(Authorised Signatory)

D Yugesh V S Purushottam

BIKRAM MANDAL

Digitally signed by BIKRAM MANDAL
Date: 2023.02.01 15:05:30

Signature Not Verified

Digitally signed by PARIMAL PIYUSH
Date: 2025.06.20 14:23:24 IST
Reason: AGM(Commercial)
Location: NTPC Limited

एनटीपीसी लिमिटेड
(भारत सरकार का उद्यम)
NTPC Limited
(A Govt. of India Enterprise)

Ref. No. CMHQ/RED Sectt./MoC/Kerandari/2024/540 **Date: 29.01.2024**

To
The Nominated Authority & Additional Secretary,
Ministry of Coal,
Government of India,
Shastri Bhawan,
New Delhi - 110001

Sub: Start of Coal Production from Kerandari Coal Mining Project.

Sir,

We are pleased to inform you that subsequent to the start of mining operations from Kerandari Coal Project located in North Karanpura Coalfield, Distt. Hazaribagh, Jharkhand, coal extraction has commenced in this block on 25.01.2024. M/s. BGR is the Mine Developer-cum-Operator (MDO) for this mine.

This is for your kind information please.

Thanking you,

(Animesh Jain)
Regional Executive Director (Coal Mining) &
CEO(NML)

CC:

- Joint Secretary (Thermal), Ministry of Power : *for kind information*
- Director(Fuel) & Nominated Owner of Coal Mines of NTPC : *for kind information*

कोयला खनन् मुख्यालय: एनटीपीसी लिमिटेड, गिन्नी प्लाजा, चुटिया थाना के सामने, चुटिया, राँची 834001 (झारखण्ड)
Coal Mining Headquarters, NTPC Limited, Ginni Plaza, Opposite Chutia Police Station, Chutia, Ranchi-834001 (Jharkhand)
Registered Office : NTPC Bhawan, SCOPE Complex, 7, Institutional Area, Lodi Road, New Delhi-110003
www.ntpc.co.in

Signature Not Verified
Digitally signed by PIYUSH PARSHAL
Date: 2025.06.04 14:23:24 IST
Reason: AGM(Commercial)
Location: NTPC Limited

एनटीपीसी NTPC
A Maharatna Company

एन टी पी सी लिमिटेड
(भारत सरकार का उद्यम)
NTPC Limited
(A Govt. of India Enterprise)

केन्द्रीय कार्यालय / Corporate Centre

Ref. No. 01: CD: KDCMP
Date: 18-03-2025

To,

The Beneficiaries of end use Generating Station (Tanda-II)

(As per list enclosed)

Sub.: Notice for Declaration of Commercial Operation of Kerandari Coal Mining Project (KDCMP)

Dear Sir/ Madam,

In compliance to CERC Tariff Regulations 2024, Kerandari Coal Mining Project (KDCMP) is declared Commercial Operation w.e.f. 00:00 Hrs. of 01.04.2025.

This is for your information please.

Yours Sincerely,

(Ajay Dua)
Executive Director (Commercial)

1.	The Chairperson Uttar Pradesh Power Corp. Ltd. (UPPCL) Shakti Bhawan 14, Ashok Marg Lucknow – 226 001 (UP)
2.	The Chairperson Rajasthan Urja Vikas and IT Service Limited (RUVITL) Vidyut Bhawan, Janpath, Jaipur – 302 005 (Rajasthan) (On Behalf of JVVNL, AVVNL, JDVVNL)

Signature Not Verified
Digitally signed by PARIMAL
Date: 2025.06.29 14:23:24 IST
Reason: AGM(Commercial)
Location: NOIDA

3.	The Chairman Gujarat Urja Vikas Nigam Ltd. (GUVNL) 2nd Floor Sardar Patel Vidyut Bhawan, Race Course, Vadodara-390007
4.	Principal Secretary, Power Development Department (PDD) (Through its Development Commissioner (Power)) Govt. of J&K, Civil Secretariat, Srinagar Pin no.- 180001
5.	The Chairperson Uttarakhand Power Corporation Ltd. (UPCL) Urja Bhawan, Kanwali Road Dehradun – 248 001
6.	The Head of Power Management Group (PMG) Chandigarh Power Distribution Limited (CPDL), 4th Floor ,SCO 33 to 35 , Sector-34A, Chandigarh-160022

Copy to: -

- Joint Secretary (Thermal), Ministry of Power, Govt. of India
- Secretary, Central Electricity Regulatory Commission, 6th, 7th & 8th Floors, Tower B, World Trade Centre, Nauroji Nagar, New Delhi- 110029
- Director (Power Data Management Division), CEA, Sewa Bhawan, Sector-I , R.K. Puram , New Delhi-110016

Signature Not Verified

Digitally signed by PARIMAL PIYUSH
Date: 2025.06.20 14:23:24 IST
Reason: AGM(Commercial)
Location: NTPC Limited

एनटीपीसी NTPC

एन टी पी सी लिमिटेड
(भारत सरकार का उद्यम)

NTPC Limited
(A Govt. of India Enterprise)
चट्टी बारियातु एवं केरेडारी कोल माइनिंग प्रोजेक्ट
Chatti-Bariatu & Kerendari Coal Mining Project.

Reference: KDCMP/Mining/2013/43 **Dated: 25.02.2013**

To

The Divisional Forest Officer,
Hazaribag West Forest Division,
Hazaribag.

Sub:- Submission of Compliance of the conditions conveyed by the Central Government Vide Ltr No "F.No 8-53/2011-FC Dtd 1st Feb 2012" regarding the in-principle approval for diversion of 243.32 Ha of forest land for "Keredari Coal Mining Project" in favour of M/s NTPC Ltd in Chatra South and Hazaribagh West Forest Division of Districts Chatra and Hazaribagh, respectively in the state of Jharkhand.

Ref:- Letter from Central Govt. "F.No 8-53/2011-FC Dtd 1st Feb 2012",

Dear Sir,

Kindly refer to the letter cited under reference above, received from the Central Government, conveying in-principle approval for the diversion of 243.32 Ha of forest land for **"Keredari Coal Mining Project"** in favour of M/s NTPC Ltd in Chatra South and Hazaribagh West Forest Division of Districts Chatra and Hazaribagh, respectively in the state of Jharkhand.

It is requested to kindly forward the compliance report of the conditions through proper channel to the central government for the issue of the final clearance for the diversion of 163.04 Ha of forest land for coal mining from Keredari project infavour of M/s NTPC Ltd.

Thanking you,

Yours faithfully

25.2.13

AGM (Project)
Keredari Coal Mining Project
NTPC Ltd, Hazaribagh.

Encl: A/a

CC :-
(1) **PCCF, Govt. of Jharkhand**: For kind information & records please.
(2) **PCCF Cum ED, Waste land development Board, Ranchi**: For kind information & records please
(3) **RCCF , Hazaribagh:** For kind information & records please.
(4) **Conservator of Forest , Hazaribagh Circle**: For kind information & records pl.

चट्टी बरियातु एवं केरेडारी कोल माईनिंग प्रोजेक्ट, नवाबगंज, हजारीबाग - 825301
Chatti-Bariatu & Kerendari Coal Mining Project, Nawabgunj, Hazaribag - 825301
Ph.: 06546-270855, 270622, Fax : 06546-270852, 270744
Registered Office : NTPC Bhawan, Scope Complex, 7 Institutional Area, Lodhi Road, New Delhi - 110 0

Signature Not Verified
Digitally signed by PARIMAL PIYUSH
Date: 2025.06.29 14:23:24 IST
Reason: AGM(Commercial)
Location: NTPC Limited

Scanned by CamScanner

ANNEXURE-P/17

F. No. 8-53/2011-FC
Government of India
Ministry of Environment, Forests and Climate Change
(Forest Conservation Division)

Indira ParyavaranBhawan,
Aliganj, Jor Bag Road,
New Delhi - 110003.
Dated: 26th November, 2015

To

The Principal Secretary (Forests),
Government of Jharkhand,
Ranchi.

Sub: Diversion of 243.32 ha of forest land for North Karanpura Coal Keredari Coal Mining Project in favour of M/s NTPC Ltd. in Chatra South and Hazaribagh West Forest Division of Districts Chatra and Hazaribagh, respectively in the State of Jharkhand – regarding.

Sir,

I am directed to refer to the State Government of Jharkhand's letter no. No. 22 P 2 (2) 22/2010/575 dated 10.02.2014 on the above subject forwarding a report on compliance of conditions stipulated in the Stage-I approval dated 1.02.2012 and to say that after examination of the matter in view of the fact that instant coal block is the among the 214 coal blocks whose allocated had been cancelled by the Hon'ble Supreme Court vide its order dated 24.09.2014 and pursuant to the order of Hon'ble Supreme Court, the Ministry of Coal (MoC) has initiated the process of re-allocation/auction, decided that pending any communication from the MoC, further processing of the case may be kept on hold. Subsequently, the Ministry of Coal vide their vide its DO letter No. 13016/38/2015-CA-III dated 18.09.2015 informed the Ministry that extant coal block has been re-allocated to the same user agency i.e. M/s NTPC Ltd. Accordingly, with the approval of competent authority of the MoEF, decision of the Ministry to keep the compliance report of Stage-I approval on hold has been revoked and shortcomings, as given under, observed in the said report are hereby conveyed to the State Government for their complete compliance,:

i. Undertaking in respect of condition no. 1 of the Stage-I approval has not been submitted.

ii. A report on the remittance of compensatory levies in the account of Ad-hoc CAMPA could not be furnished by the Ad-hoc CAMPA for want of clarification from the State Government on the total area reported in the compliance report i.e. total area diverted in the instant case is 243.32 ha while compensatory levies has been realized only in respect of 163.04 ha. Revised details corresponding to the complete area may be furnished to the Ministry.

iii. Differential GPS map of the area identified for CA has not been submitted by the State Government.

iv. Welfare Plan for displaced people, in accordance with condition no. 8 of the Stage-I approval has not been prepared by the project proponent.

v. Copy of R&R plan has not been submitted.

Signature Not Verified
Digitally signed by PARIMAL PIYUSH
Date: 2025.06.26 14:23:24 IST
Reason: AGM(Commercial)
Location: NTPC Limited

vi. Conservation plan, in accordance with the condition no. 18 of the Stage-I approval, for the project area under the guidance of the State Forest Department for maintenance and eco-restoration of the area at the project cost has not been prepared by the project proponent.

vii. Compliance of FRA, 2006 has been submitted only in respect of 163.04 ha of forest land instead of 243.32 ha. Complete compliance for the entire area of 234.42 ha may be submitted by the State Government in accordance with the Guidelines issued by the MoEF&CC.

Yours faithfully,

(Rajagopal Prashant)
Assistant Inspector General of Forests (FC)

Copy to:

1. Principal Chief Conservation of Forests, Government of Jharkhand, Ranchi.
2. Addl. PCCF (Central), Regional Office (Eastern Zone), Ranchi.
3. Nodal Officer, O/o the PCCF, Government of Government of Jharkhand, Ranchi.
4. User Agencies;
5. Forest Conservation Monitoring Cell, FC Diviosn, MoEF&CC, New Delhi
6. Guard File.

(Rajagopal Prashant)
Assistant Inspector General of Forests (FC)

Signature Not Verified
Digitally signed by PARIMAL PIYUSH
Date: 2025.06.26 14:23:24 IST
Reason: AGM(Commercial)
Location: NTPC Limited

MOMENTUM JHARKHAND
The investment destination
GLOBAL INVESTORS' SUMMIT 2017

पत्र संख्या–3/वन भूमि–103/2010 व0प0

झारखण्ड सरकार
वन, पर्यावरण एवं जलवायु परिवर्तन विभाग

प्रेषक

सुनील कुमार,
सरकार के उप सचिव।

सेवा में,

सहायक वन महानिरीक्षक (एफ0सी0),
भारत सरकार, पर्यावरण, वन एवं जलवायु परिवर्तन मंत्रालय,
इन्दिरा पर्यावरण भवन, अलीगंज, जोरबाग रोड,
नई दिल्ली–110003 ।

राँची, दिनांक–

विषय :– एन0टी0पी0सी0 लि0 के नार्थ कर्णपुरा कोयला क्षेत्र अन्तर्गत केरेडारी–A कोल ब्लॉक में माईनिंग परियोजना हेतु 243.32 हे0 वनभूमि अपयोजन का प्रस्ताव के संबंध में।

प्रसंग :– भवदीय पत्रांक–8–53/2011–FC दिनांक–26.11.2015 ।

महाशय,

निदेशानुसार उपर्युक्त विषयक प्रासंगिक पत्र के आलोक में प्रधान मुख्य वन संरक्षक, झारखण्ड, राँची के पत्रांक–2047 दिनांक–06.06.2016 एवं पत्रांक–4804 दिनांक–28.12.2016 तथा प्रधान मुख्य वन संरक्षक–सह–कार्यकारी निदेशक, बंजर भूमि विकास बोर्ड, झारखण्ड, राँची के पत्रांक–635 दिनांक–15.06.2016 एवं पत्रांक–19 दिनांक–04.01.2017 से प्राप्त निराकरण प्रतिवेदन (अनुलग्नक सहित) संलग्न है।

प्राप्त निराकरण प्रतिवेदन के आलोक में भारत सरकार द्वारा की गई पृच्छाओं के निराकरण के संबंध में वस्तुस्थिति निम्नवत् है :–

पृच्छा संख्या–(i)– के निराकरण में स्टेज–I की शर्त संख्या–1 के अनुपालन हेतु प्रयोक्ता अभिकरण द्वारा वचनबद्धता दी गई है।

पृच्छा संख्या–(ii)– के निराकरण में दोनों प्रमण्डलों से संबंधित नोडल पदाधिकारी द्वारा हस्ताक्षरित Compensatory Levies realized विहित प्रपत्र में भरकर उपलब्ध कराया गया है।

पृच्छा संख्या–(iii)– के अनुपालन में नोडल पदाधिकारी के पत्रांक–635 दिनांक–15.06.2016 की कंडिका (ii) में प्रतिवेदित है कि CA Land के संबंध में वन प्रमण्डल पदाधिकारी, हजारीबाग पश्चिमी वन प्रमण्डल के अंतर्गत अपयोजित होने वाली क्षेत्र के दोगुणे अवकृष्ट वनभूमि पर क्षतिपूरक वनरोपण हेतु 374.00 हे0 एवं चतरा दक्षिणी वन प्रमण्डल अंतर्गत दोगुणे क्षतिपूरक वनरोपण हेतु 120 हे0 प्रस्तावित है। दोनों वन प्रमण्डल में कुल 494.00 हे0 क्षतिपूरक वनरोपण का चयन अनुपालन प्रतिवेदन में GPS Map सहित पत्र के साथ संलग्न है।

पृच्छा संख्या–(iv)– के अनुपालन में Welfare Plan for displaced people से संबंधित योजना संलग्न है।

पृच्छा संख्या–(v)– के अनुपालन में प्रयोक्ता अभिकरण द्वारा राजस्व एवं भूमि सुधार विभाग, झारखण्ड सरकार द्वारा अनुमोदित R&R Plan समर्पित किया गया है।

पृच्छा संख्या–(vi)– इस पृच्छा के अनुपालन में प्रयोक्ता अभिकरण द्वारा "Conservation Plan for Maintainance and eco restoration of the area" के संदर्भ में योजना तैयार कर समर्पित किया

D/Vijay /vanvumi| 245

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Location: NTPC Limited

MOMENTUM JHARKHAND
The investment destination
GLOBAL INVESTORS' SUMMIT 2017
15 - 17 February, Ranchi

पृच्छा संख्या–(vii)– इस पृच्छा के अनुपालन में प्रतिवेदित है कि उपायुक्त, हजारीबाग के पत्रांक–782/रा0, दिनांक–18.05.2013 द्वारा माईनिंग लीज क्षेत्र 163.04 हे0 FRA, 2006 अंतर्गत अनापत्ति प्रमाण–पत्र निर्गत किया जा चुका है। जिसे पूर्व में विभागीय पत्रांक–2939 दिनांक–01.06.2015 द्वारा भारत सरकार को भेजा गया है। वर्त्तमान में उपायुक्त, हजारीबाग के पत्रांक–27 दिनांक–21.08.2015 द्वारा 31.47 हे0 हेतु अनापत्ति प्रमाण–पत्र निर्गत किया गया है, जिसमें 9.74 हे0 रकबा ग्राम–डुमरी एवं गोपदा अंतर्गत है, जो चतरा दक्षिणी वन प्रमण्डल अंतर्गत प्रस्तावित Coal Evacuation Corridor अंतर्गत पड़ता है। चूँकि 31.47 हे0 वनभूमि Coal Evacuation Corridor का हिस्सा जो Linear प्रकृति का है, इसलिए उपायुक्त, हजारीबाग द्वारा FRA संबंधी प्रमाण पत्र Form-I में निर्गत किया गया है।

चतरा जिलान्तर्गत अपयोजित होने वाली 48.81 हे0 वनभूमि हेतु उपायुक्त, चतरा के पत्रांक–244 दिनांक–30.03.2016 द्वारा विहित प्रपत्र में अनापत्ति प्रमाण–पत्र निर्गत किया गया है।

अतः उपरोक्त निराकरण प्रतिवेदन के आलोक में अग्रत्तर कार्रवाई करने की कृपा की जाय।

अनु0–यथोक्त।

विश्वासभाजन

ह0/–

(सुनील कुमार)
सरकार के उप सचिव

ज्ञापांक–3/वनभूमि–103/2010 व0प0, राँची दिनांक–

प्रतिलिपि– अपर प्रधान मुख्य वन संरक्षक (केन्द्रीय), भारत सरकार, पर्यावरण, वन एवं जलवायु परिवर्तन मंत्रालय, क्षेत्रीय कार्यालय राँची, बंगला नं0–A-2, श्यमाली कॉलोनी, राँची–834002 को अनुलग्नक के साथ सूचनार्थ प्रेषित।

अनु0–यथोक्त।

ह0/–
सरकार के उप सचिव

ज्ञापांक–3/वनभूमि–103/2010 68 व0प0, राँची दिनांक– 06/01/17

प्रतिलिपि–प्रधान मुख्य वन संरक्षक, झारखण्ड, राँची/प्रधान मुख्य वन संरक्षक–सह–कार्यकारी निदेशक, बंजर भूमि विकास बोर्ड, झारखण्ड, राँची/अपर महाप्रबंधक (परियोजना), एन0टी0पी0सी0 लि0, केरेडारी कोयला खनन् परियोजना, हजारीबाग को सूचनार्थ एवं आवश्यक कार्रवाई हेतु प्रेषित।

6/1/17
सरकार के उप सचिव

D/Vijay /vanvumi] 246

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ANNEXURE-P/19

F. No. 8-53/2011-FC
Government of India
Ministry of Environment, Forests and Climate Change
(Forest Conservation Division)
****

Indira ParyavaranBhawan,
Aliganj, Jor Bag Road,
New Delhi - 110003.

Dated: 23rd June, 2017

To

The Principal Secretary (Forests),
Government of Jharkhand,
Ranchi.

Sub: Diversion of 243.32 ha of forest land for North Karanpura Coal Keredari Coal Mining Project in favour of M/s NTPC Ltd. in Chatra South and Hazaribagh West Forest Division of Districts Chatra and Hazaribagh, respectively in the State of Jharkhand – regarding.

Sir,

I am directed to refer to the State Government of Jharkhand's letter No. 3/VAN BHOOMI-103/2010/68 – VP dated 06th January, 2017 wherein the compliance has been provided, as sought by the Ministry's letter even number dated 26.11.2015. After examination the same revealed the following shortcomings:

(i) The Conservation Plan provided with the present compliance does not appear to be detailed has no cost estimates for the activities to be taken up. Thus, the Conservation Plan, which includes Integrated Wildlife Management Plan with cost estimates, duly approved by the State Forest Department is required, and the funds for the same may be deposited in the Ad-hoc CAMPA account.

(ii) As per DSS, Out of 826.00 ha of CA area for which shape file provided, 449 ha falls on agriculture land, settlement land, reservoir, water body, encroachment, VDF and MDF etc. The details are as below:

S. No	Patch	Patch Name	Area (Ha.)	Impact Area (Ha.)	Remark
1	Patch-I	KEREDARI	314	212	Polygon is falling on Agricultural land, Settlement, Reservoir and Dense forest cover
2	Patch-II	DUMI	122	11	Polygon is falling on Agricultural land, Settlement and Dense forest cover
3	Patch-III	SOHRA	115	36	Polygon is falling on Agricultural land, Settlement, Water body and Dense forest cover
4	Patch-IV	CHOUPARAN BLOCK B	24	19	Polygon is falling on Dense forest cover
5	Patch-V	CHOUPARAN BLOCK A	102	102	Entire CA polygon area is effected with encroachment of Human settlement and Agricultural land
6	Patch-VI	MADHUGOPALI	149	69	Polygon is falling on Agricultural land and Dense forest cover
Total			826	449	

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Accordingly, CA may be revised and submitted with suitability certificate and revised shape file / KML file.

(iii) In compliance to condition No. 7 of Stage – I clearance it was earlier reported that detailed evacuation plan will be submitted later, but the same is still awaited.

(iv) The State Government of Jharkhand may provide their comments on the discrepancies reported by the PCCF vide his letter No. 22P2(2)22/2010/2047 dated 06.06.2016 which is reproduced below:

a) Name and Area of Chatra Forest Division in the proposal is not clear.

b) The area mentioned by the DFO for identified CA in the proposal is 374.00 ha whereas the same given in the letter is 324.00 ha.

c) The compliance for FRA in respect of Chatra District is given for 48.81 ha instead of 58.85 ha.

Accordingly, I am directed to request the State Government to send the reply / information/documents for the above points at the earliest for further consideration of the proposal in the Ministry.

Yours faithfully,

23/6

(Rajagopal Prashant)
Assistant Inspector General of Forests (FC)

Copy to:-

1. The Principal Chief Conservator of Forests, Government of Jharkhand, Ranchi.
2. The Addl. Principal Chief Conservator of Forests (Central), Regional Office, Ranchi.
3. The Nodal Officer (FCA), Forest Department, Government of Jharkhand, Ranchi.
4. User Agency.
5. Monitoring Cell (Forest Conservation Division).
6. Guard File.

23/6

(Rajagopal Prashant)
Assistant Inspector General of Forests (FC)

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पत्र संख्या–3/वनभूमि–103/2010– 1825 व०प०

झारखण्ड सरकार

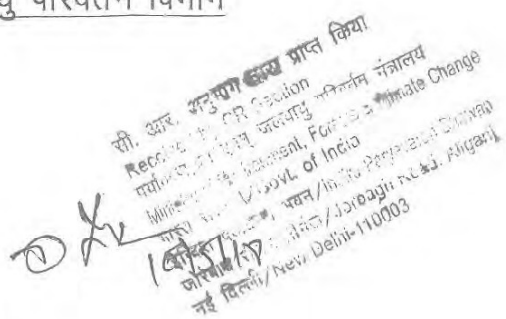
वन, पर्यावरण एवं जलवायु परिवर्तन विभाग

प्रेषक,

सुनील कुमार,
सरकार के उप सचिव।

सेवा में,

वरीय सहायक वन महानिरीक्षक(एफ0सी0),
भारत सरकार,
पर्यावरण, वन एवं जलवायु परिवर्तन मंत्रालय,
इन्दिरा पर्यावरण भवन, अलीगंज, जोरबाग रोड,
नई दिल्ली–110003



राँची, दिनांक– 08/05/2018

विषयः– एन0टी0पी0सी0 लि0 के नार्थ कर्णपुरा कोयला क्षेत्र अंतर्गत केरेडारी–A कोल ब्लॉक में माईनिंग परियोजना हेतु 243.32 हे0 वनभूमि अपयोजन का प्रस्ताव के संबंध में।

प्रसंग :– भवदीय पत्रांक–8–53/2011–FC दिनांक–06.11.2017

महाशय,

निदेशानुसार उपर्युक्त विषयक प्रासंगिक पत्र के आलोक में प्रधान मुख्य वन संरक्षक, झारखण्ड, राँची के पत्रांक–4815 दिनांक 06.11.2017 से प्राप्त निराकरण प्रतिवेदन (अनुलग्नक सहित) आवश्यक कार्रवाई हेतु संलग्न है।

कृपया विषयक प्रस्ताव में अग्रेतर कार्रवाई करने की कृपा की जाय।

अनु0–यथोक्त।

विश्वासभाजन

(सुनील कुमार)
सरकार के उप सचिव

Signature Not Verified
Digitally signed by PARIMAL PIYUSH
Date: 2025.06.26 14:23:24 IST
Reason: AGM(Commercial)
Location: NTPC Limited

Phone/Fax- 0651-2490133, Email-Id.- dysccyfdjharkhand2013@rediffmail.com

F. No. 8-53/2011-FC
Government of India
Ministry of Environment, Forests and Climate Change
(Forest Conservation Division)

Indira ParyavaranBhawan,
Aliganj, Jor Bag Road,
New Delhi- 110003.
Dated: 28th June, 2018

To,

The Principal Secretary (Forests),
Government of Jharkhand,
Ranchi.

Sub: **Diversion of 243.32 ha of forest land for North Karanpura Coal Keredari Coal Mining Project in favour of M/s NTPC Ltd. in Chatra South and Hazaribagh West Forest Division of Districts Chatra and Hazaribagh, respectively in the State of Jharkhand – regarding.**

Sir,

I am directed to refer to the State Government of Jharkhand's letter No. 3/VAN BHOOMI-103/2010/1825 – VP dated 08th May, 2018 wherein the compliance as sought by the Ministry's letter even number dated 23.06.2017 has been provided. After examination the same revealed the following shortcoming:

(i) The approved conservation plan in compliance to condition No. 18 is still awaited.

(ii) The FRA certificates for entire area proposed for diversion with documentary evidence duly verified by the State Government have not been provided by the State Government.

(iii) The CA area / land has been revised as per DSS report, CA sites are still affected with encroachment of human settlement, Agriculture land etc. and also some area falls in dense forest cover.

In view of the above, I am directed to request the State Government to submit the above information / documents to this Ministry for further consideration of the proposal in the Ministry.

Yours faithfully,

28/6/18
(Sandeep Sharma)
Assistant Inspector General of Forests (FC)

Copy to:

1. The Principal Chief Conservation of Forests, Government of Jharkhand, Ranchi.
2. The Addl. PCCF (Central), Regional Office (Eastern Zone), Ranchi: **with request to inspect the CA sites & submit a detailed report, for further consideration.**
3. The Nodal Officer, O/o the PCCF, Government of Government of Jharkhand, Ranchi.
4. User Agency.
5. Forest Conservation Monitoring Cell, FC Division, MoEF & CC, New Delhi.
6. Guard File.

(Sandeep Sharma)
Assistant Inspector General of Forests (FC)

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Reason: AGM(Commercial)
Location: NTPC Limited

पत्र संख्या–3 / वनभूमि–103 / 2010– व०प०

झारखण्ड सरकार

वन, पर्यावरण एवं जलवायु परिवर्तन विभाग

प्रेषक,

सुनील कुमार,
विशेष कार्य पदाधिकारी।

सेवा में,

वरीय सहायक वन महानिरीक्षक(एफ0सी0),
भारत सरकार,
पर्यावरण, वन एवं जलवायु परिवर्तन मंत्रालय,
इन्दिरा पर्यावरण भवन, अलीगंज, जोरबाग रोड,
नई दिल्ली–110003

राँची, दिनांक– / /2018

विषय :– **एन0टी0पी0सी0 लि0 के नार्थ कर्णपुरा कोयला क्षेत्र अंतर्गत केरेडारी–A कोल ब्लॉक में माईनिंग परियोजना हेतु 243.32 हे0 वनभूमि अपयोजन का प्रस्ताव के संबंध में।**

प्रसंग :– भवदीय पत्रांक–8-53/2011-FC दिनांक–28.06.2018

महाशय,

निदेशानुसार उपर्युक्त विषयक प्रासंगिक पत्र द्वारा की गई पृच्छा के आलोक में प्रधान मुख्य वन संरक्षक, झारखण्ड, राँची के पत्रांक–906 दिनांक–30.08.2018 से प्राप्त निराकरण प्रतिवेदन की छायाप्रति (अनुलग्नक सहित) आवश्यक कार्रवाई हेतु संलग्न है।

कृपया विषयक प्रस्ताव में अग्रेतर कार्रवाई करने की कृपा की जाय।

अनु0–यथोक्त।

विश्वासभाजन

ह0 / –
(सुनील कुमार)
विशेष कार्य पदाधिकारी।

ज्ञापांक–3 / वनभूमि–103 / 2010– व०प०, राँची, दिनांक–

प्रतिलिपि–अपर प्रधान मुख्य वन संरक्षक (केन्द्रीय), भारत सरकार, पर्यावरण, वन एवं जलवायु परिवर्तन मंत्रालय, क्षेत्रीय कार्यालय, बंगला न0–A-2, श्यामली कॉलोनी, राँची, झारखण्ड–834002 को अनुलग्नक के साथ सूचनार्थ प्रेषित।

अनु0–यथोक्त।

ह0 / –
विशेष कार्य पदाधिकारी।

ज्ञापांक 3 / वनभूमि–103 / 2010–3956 व०प०, राँची, दिनांक–19/09/2018

प्रतिलिपि– प्रधान मुख्य वन संरक्षक, झारखण्ड, राँची / प्रधान मुख्य वन संरक्षक–सह–कार्यकारी निदेशक, बंजर भूमि विकास बोर्ड, झारखण्ड, राँची / अपर महाप्रबंधक (परियोजना), N.T.P.C. Ltd. केरेडारी कोयला खनन् परियोजना, हजारीबाग–825301 को सूचनार्थ एवं आवश्यक कार्रवाई हेतु प्रेषित।

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Date: 2025.06.26 14:23:24 IST
Reason: AGM(Commercial)
Location: NTPC Limited

Phone/Fax- 0651-2490133, Email-Id:- dysecyfdjharkhand2013@rediffmail.com

पत्र संख्या–वन्यप्राणी–09/2010 (खण्ड)–1282 व0प0

झारखण्ड सरकार

वन, पर्यावरण एवं जलवायु परिवर्तन विभाग

प्रेषक,

ए0 के0 रस्तोगी,
सरकार के विशेष सचिव।

सेवा में,

वन उप महानिरीक्षक (वन्यप्राणी),
पर्यावरण, वन एवं जलवायु परिवर्तन मंत्रालय,
इंदिरा पर्यावरण भवन, जोरबाग, अलीगंज रोड,
नई दिल्ली–110003

राँची, दिनांक– 4.4.19

विषयः– **नॉर्थ–कर्णपुरा कोल ब्लॉक से संबंधित "समेकित वन्यप्राणी प्रबन्धन योजना" पर राष्ट्रीय वन्य जीव बोर्ड (NBWL) की सहमति प्राप्त करने के संबंध में।**

महाशय,

नॉर्थ–कर्णपुरा कोल ब्लॉक (NKCB) के अंतर्गत NTPC की 'केरेडारी कोल माइनिंग' परियोजना में कुल 243.32 हे0 वनभूमि, वन संरक्षण अधिनियम, 1980 के प्रावधानों के तहत अपयोजन (Diversion) के प्रस्ताव पर स्टेज–1 स्वीकृति के समय भारत सरकार के पत्रांक–F No-8-53/2011-FC दिनांक– 01.02.2012 में निम्नवत् शर्त्त लगाई गई थी :–

"The user agency will prepare a conservation plan for the project area under the guidance of the State Forest Department for maintenance and eco-restoration of the area at the project cost."

उक्त के आलोक में प्रधान मुख्य वन संरक्षक, वन्यप्राणी एवं मुख्य वन्यप्रणी प्रतिपालक, झारखण्ड, राँची के पत्रांक–06 दिनांक 12.02.2019 द्वारा नॉर्थ कार्णपुरा से संबंधित IWMP प्राप्त हुई। यह IWMP राज्य सरकार द्वारा गठित एक त्रिसदस्यीय विशेषज्ञ समिति द्वारा तैयार की गई है। उक्त समेकित वन प्रबधन योजना पर राज्य वन्य जीव बोर्ड की दिनांक–13.02.2019 को सम्पन्न बैठक में विचार किया गया। बैठक में उन शर्त्तों पर सहमति व्यक्त की गई जो CWLW ने अपने vetting/approval में IWMP पर लगाई थी। इसके अलावा SBWL ने कुछ और शर्त्ते भी IWMP पर लगाई। वह सभी शर्त्ते जिन पर SBWL ने IWMP से सहमति व्यक्त की निम्न प्रकार है :–

1. नॉर्थ–कर्णपुरा कोल ब्लॉक की इस IWMP का सकल 10 वर्षीय बजट 2089.80 करोड़ रूपये होगा, जिसके आलोक में कोल कंपनियॉ अपना प्रारंभिक अंशदान 3.786 लाख रूपये प्रति हे0 लीज एरिया के आधार पर करेंगी।

2. NKCB से संबंधित जिन मामलों में Stage-I ForestClearance में IWMP की शर्त लगायी गयी है या भविष्य में लगायी जाएगी, उनके लिए Site Specific Wildlife Management Plans तैयार किये जाएगें, जिनपर सक्षम प्राधिकार से अनुमोदन प्राप्त कर एवं बजटीय आवंटन के पश्चात उनका क्रियान्वयन किया जाएगा। ये Site Specific Wildlife Management Plans, IWMP में दिये गये general guidelines एवं दिनांक–09.02.2019 को वरीय वन पदाधिकारियों की समिति की बैठक में निर्धारित framework के आधार पर तैयार किये जाएगें।

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परन्तु जिन मामलों में Stage-I Forest Clearance में IWMP की शर्त नहीं लगायी गयी है या जिनमें इनकी आवश्यकता नहीं है, उनमें ऐसा करने हेतु उपाय/प्रक्रिया पर्यावरण, वन एवं जलवायु परिवर्तन मंत्रालय, भारत सरकार से अनुमति प्राप्त कर निर्धारित की जाएगी।

3. भारतीय वन्य जीव संस्थान, देहरादून द्वारा IWMP के मूल्यांकन पत्र संख्या–WII/DWII/Misc/2016 दिनांक–06.10.2016 में की गयी अनुशंसाओं का पालन किया जाएगा तथा IWMP की Final Report के Chapter-9 में वर्णित Connectivity/Wildlife Corridors/Passage Plans को माईन लीज आवंटन के क्रम में अक्षुण्ण रखा जाएगा।

4. IWMP के Chapter-10 में महुदी हिल्स एवं सतपहाड़ के लिए प्रस्तावित विशेष प्रावधानों का पालन किया जाएगा।

5. IWMP के Chapter-13 में अंकित उन कार्यों का सम्पादन, जो Chapter-12 में वर्णित कार्यों के vis-à-vis non-repetative है, कोल कम्पनियाँ अपने व्यय पर अलग से कराएगी।

6. IWMP के Chapter-11 में प्रस्तावित नियामक प्राधिकार (NKCBRA) का गठन नहीं किया जाएगा। तदनुसार इसके प्रयोजनार्थ प्रस्तावित 1% का अतिरिक्त वित्तीय अंशदान से संबंधित प्रावधान लागू नहीं होगे । इसके स्थान पर 2% राशि Site specific plans के क्रियान्वयन के क्रम में स्वतंत्र अनुश्रवण एवं मूल्यांकन हेतु उपलब्ध करायी जाएगी, जो कोल कम्पनियों द्वारा दिए जानेवाले प्रारंभिक अंशदान की राशि (अर्थात 3.786 हाख रूपये प्रति हेक्टेयर लीज एरिया) से ही ली जाएगी, अर्थात अलग से नहीं ली जाएगी।

7. कोल कम्पनियों का प्रारंभिक अंशदन विभाग की कैम्पा निधि में जमा किया जाएगा।

8. कोल कम्पनियाँ अपना प्रारंभिक अंशदान भारत सरकार से Stage-I Forest Clearance की प्राप्ति के पश्चात देगी।

9. IWMP में वर्णित 10% Fine का प्रावधान विलोपित माना जाएगा।

10. प्रारंभिक अंशदान नहीं देने की स्थिति में उनके खनन कार्य को निलंबित करने से संबंधित प्रावधान विलोपित माना जाएगा।

अतः SBWL की अनुशंसा के आलोक में यथा वांछित प्रतिवेदन एवं सूचनाएँ राष्ट्रीय वन्य जीव बोर्ड की स्थायी समिति के विचारार्थ एवं स्वीकृति हेतु समर्पित की जा रही है:–

(i) समेकित वन्यप्राणी प्रबन्धन योजना की 15 प्रतियाँ (मानचित्र के साथ–अनुलग्नक सहित)।

(ii) राज्य वन्य जीव बोर्ड का दिनांक–13.02.2019 को सम्पन्न बैठक के एजेन्डा (अनुलग्नक सहित) की प्रति तथा बैठक की कार्यवाही की प्रति।

अनु0–यथोक्त।

विश्वासभाजन

(ए0 के0 रस्तोगी)
सरकार के विशेष सचिव।

ज्ञापांक–वन्यप्राणी–06/2010 (खण्ड)– 1282/व0प0, राँची, दिनांक– 4.4.19

प्रतिलिपि– प्रधान मुख्य वन संरक्षक, झारखण्ड, राँची/प्रधान मुख्य वन संरक्षक, वन्य प्राणी एवं मुख्य वन्यप्राणी प्रतिपालक, झारखण्ड, राँची को सूचनार्थ एवं आवश्यक कार्रवाई हेतु प्रेषित।

सरकार के विशेष सचिव।

D-Annad/Mangalhoro/Letter2019(29)

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Date: 2025.06.25 14:23:24 IST
Reason: AGM(Commercial)
Location: NTPC Limited

Aniruddha Kumar
संयुक्त सचिव
JOINT SECRETARY
Tel : 23714842

सत्यमेव जयते

भारत सरकार
GOVERNMENT OF INDIA
विद्युत मंत्रालय
MINISTRY OF POWER
श्रम शक्ति भवन, रफी मार्ग
SHRAM SHAKTI BHAWAN, RAFI MARG
नई दिल्ली - 110001
NEW DELHI - 110001

D.O. No. 11/28/2018-Th-II

18th June, 2018

Respected Sir,

This is with reference to Stage-I forest clearance for Kerendari coal mining project located in North Karanpura coalfield, Jharkhand state, which was accorded on 01.02.2012 for an area of 243.32 Ha by Ministry of Coal to NTPC Ltd.. Subsequently, following events were taken place:

a. Compliance of Stage -I forest clearance was submitted by NTPC to State Govt. and Stage-II forest proposal was forwarded to MOEF&CC on 12.06.2015 by State Govt.
b. On the above, MOEF&CC sought certain clarifications vide letter dated 26.11.2015 from Jharkhand State Forest Department. State Govt. has submitted its reply to MOEF&CC on 06.01.2017.
c. MOEF&CC sought further clarifications from Principal Secretary (Forest), Govt. of Jharkhand on 23.06.2017. State Govt. has sent the reply to MOEF&CC on 08.05.2018.

2. As per Coal Block Development, Production, and Agreement signed between NTPC and Ministry of coal, the target date to complete the milestones for Stage-II Forest clearance was 08.06.2017, which has already lapsed.

3. In view of the above, your kind intervention is requested to expedite Stage-II Forest clearance for NTPC Kerendari Coal mining project.

With Regards

Yours sincerely,

(Aniruddha Kumar)

Mr C K Mishra
Secretary,
Ministry of Environment, Forest and Climate Change,
Indira Paryavaran Bhawan,
Jorbagh Road, New Delhi

RIGHT TO INFORMATION

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Location: NTPC Limited

एनटीपीसी
NTPC
A Maharatna Company

एन टी पी सी लिमिटेड
(भारत सरकार का उद्यम)
NTPC Limited
(A Government of India Enterprise)

गुरदीप सिंह
अध्यक्ष एवं प्रबन्ध निदेशक
GURDEEP SINGH
Chairman & Managing Director

केन्द्रीय कार्यालय/Corporate Centre

Ref.:01:CMD_Sect:608
August 6, 2018

The Chief Secretary,
Government of Jharkhand,
1st Floor, Project Building, Dhurwa,
Ranchi-834004.

Sub: ***Issues Pertaining to NTPC Projects in Jharkhand.***

Dear Sir,

I would like to express my sincere thanks to you and your team for their constant support in resolving issues pertaining to NTPC projects. As you are aware, NTPC is implementing North Karanpura (3X660) MW and Patratu (3X800)MW Projects in the state of Jharkhand. NTPC is also having three mine blocks Pakri-Barwadih, Chatti-Bariatu and Kerandari, out of which mining activities are in progress at Pakri-Barwadih and activities at other mines are at advance stage.

While the project activities are in progress, there are certain issues which are pending since long. The Issues have been discussed during meetings held at various levels. The details of the pending issues are enclosed as Annexure.

I request your personal intervention in resolving these issues on top-most priority, which in turn shall help in achieving the project timeline.

Thanking You,

Yours faithfully,

(Gurdeep Singh)

Encl: As above

Copy:
Secretary to the GoI, Ministry of Power, Shram Shakti Bhavan, New Delhi-110001

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Location: NTPC Limited

Annexure to Letter Dated: 06.08.2018

Issues Related to NTPC Projects in Jharkhand

1. North Karanpura STPP (3x660 MW)

A. Lease transfer of 704.23 acre of GM Land acquired for NKSTPP is yet to be done.

- NTPC paid the amount of ₹129.52 Cr. on 30.10.2013 as per the first demand note raised by DC, Chatra.

- Later a new notification was released on 08.10.2015 regarding revision of lease rates and a revised demand was raised for ₹208 Cr. as Salami and ₹2539 Cr. as lease rent for 30 years for 704.23 acre of GM Land.

- In the meeting between Honb'le Chief Minister, Jharkhand and CMD, NTPC on 23.09.2017, Honb'le CM Jharkhand assured that this issue would be settled by October'17. However, it is yet to be resolved.

B. De-notification of Land previously acquired for Garhi dam project falling inside NKSTPP boundary on priority

- The land 50.56 Acres (Pvt-25.30, GM-25.26) is falling in Ash Dyke area. Without the land acquisition by NTPC after de-notification, large portion of Ash dyke cannot be constructed.

C. Reconciliation and refund of Rs 225 Crs paid to WRD, GoJh as advance for construction of Garhi dam

D. Widening and strengthening of Hazaribagh-Tandwa-Tanger Road (SH-7) by SHAJ:

- The road diversion of the portion in the project area needs to be completed on priority.

E. Physical Possession of balance 50.32 acre of land

- Documents related to valuation/payment receipt voucher from DLAO Chatra Office, and certified land record required for physical possession of 47.24 acre of private land and 3.08 acre of GMK land from AC, Chatra.

F. Fresh agreement fr construction barrage over Garhi river

- Agreement was signed on 12.06.17 but the same was cancelled by Chief Engineer, WRD, dated:18.07.17.

2. Patratu Thermal Station Expansion Project, Phase-I (3 x 800 MW)

A. Transfer of 34.97 Acres Land

- 34.97 Acres of land is lying midst of Ash-Dyke-II is a private/ Raiyati un acquired land. The land having 37 patches and private land in nature.

B. Banhardi Coal Mine

- Finalization of pending Geological Report (GR) of Banhardih Coal Mine by Department of Geology and Mines, Govt.of Jharkhand. Drilling work was executed by Dept. of Mines and Geology, GoJ on behalf of JUUNL. GR lies with Dept. of Mines and Geology, GoJ.

C. Shifting of 220/132 KV from main Plant area

- Permission from GoJh/JUSNL to Power grid for diversion of transmission lines outside Plant boundary.

3. Kahalgaon STPS (2340 MW) & Farakka STPS (2100 MW)

- Land acquisition/possession by ECL at Taljhari & Bansdiha moujas in Godda distr
- Coal supplies to Farakka and Kahalgaon are likely to be severely affected after Jul'19.

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4. Coal Mining Projects, NTPC Ltd.

A. Encroacher's issue –

- Most of the GM and Forest land is encroached. Though State Govt.'s policy exists for compensation to encroachers of more than 30 years (similar to Raiyati land) in GM Land. Further, in line with the decision taken in meeting dated 20.02.2015 encroachers of less than 30 years to be compensated under livelihood loss @ at 10 lakh/acres after due certification of dist. Administration. Certification has been put on hold by dist. Administration due to the SIT & ongoing CBI enquiry.

- For continuing the Mining operation of PB, decision by the State Authorities is imperative with regard to GM, GM JJ and Forest Land encroachers as they are obstructing the activities on the ground. For any further intervention at site, like resettlement of families and expansion of mine the land owners / encroachers are demanding for a decision on GM, GM JJ and Forest Land.

B. Adverse law & order situations –

- Coal extraction & other activities in Pakri-Barwadih mine being are under operation with the support of District administration. Many incidents of manhandling, work stoppage by villagers happened in past.

- Coal transportation is getting hampered by the villagers very often. On 15.07.18 (about 12:30 am) a group of armed men shot dead a driver and critically injured helper of a coal transportation vehicle. The matter was immediately brought to the notice of district administration and with their support situation was brought under control. Police is investigating it.

- Dist. Administration has also assured for patrolling on critical routes in night. Further support required from Dist. Administration and State Govt. for smooth functioning of operations.

C. Land acquisition for Railway & CHP Corridor for CB/KD IN CHATRA

- 195 acres of land required from 03 villages (Sesai, Kadamdari &Urda) in Chatra District.

- Land Notification & Land Award passed and land compensation deposited by NTPC Limited.

- Compensation Disbursement initiated by District Authorities but disbursement is very slow as land owners are demanding compensation of structures existing on the land. During award preparation, it was seen by the Dist Auth. that land-owners were constructing temporary structures to avail additional benefits, so the same was rejected by the concerned official, however, few genuine cases was also left out in the process. A decision in this regard is required to be taken.

D. GM Land Transfer:

- Earlier for transfer of Government land only salaami was applicable. State Government has asked for lease rent and salami rent. NTPC/ M/o Power and State Government need to resolve the same.

  - Earlier, Government of Jharkhand, had imposed both *Salaami* and Lease rent for the transfer of Government (GM) land, thus making the land cost too high(as high as Rs 3-4 Crs per acre). Before that only *Salaami* was applicable.NTPC had taken up the issue with State Govt. of Jharkhand and appraised to MoP. And this issue was discussed in the review meeting of 'PRAGATI' on 28.09.2016.
  - Now, Government of Jharkhand has come out with an order (Sajjeevan Singh, IAS, Railway), wherein provisions for indexing on lease rent abolished, and the rates for lease rent and cess lowered. However, in some villages the effective land rate is still on higher side

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if compared with the existing private land rate. Further as per letter dated 25.03.2017 of DC, provisions of Sankalp dated 03.01.2017 of GOJ is not applicable for Rajyadesh issued prior to 03.01.2017, therefore it will result into higher outgo from NTPC on account of Govt Land.

- **In the meeting to review operationalization of coal mines of Jharkhand by Secretary (Coal) GoI held on 02.06.2017 the issue was reviewed in presence of Chief Secretary, Jharkhand. Jharkhand Govt.**

Further, this issue was discussed with Hon'ble Chief Minister of Jharkhand on 23.09.2017, State Government assured to look into the issue pertaining to coal blocks of NTPC and resolve the matter by November 2017

E. STAGE-II Forest Clearance of Kerendari

- Stage-I forest clearance (FC) was accorded by MoEF & CC on 01.02.2012.
- Compliance of stage-I forest clearance submitted by NTPC on 22.02.2012.
- First time query raised by MOEF&CC on 26.11.2015- regarding reply to the compliance of Stage-I Forest clearance.
- Compliance of query for Stage-II forest proposal was forwarded by Jharkhand Government to MOEF&CC on 06.01.2017.
- Second time query raised by MoEF&CC on 23.06.2017, asked for some more clarifications from Principal Secy. (Forests), Govt of Jharkhand, Ranchi. Proposal forwarded to Addl. Chief Secy(Forest) on 26.11.2017. Some clarification asked by Addl. Chief Secy.(Forest) were cleared by Principal Secy. (Forests) on 29.12.2017.
- Further some clarification asked by Addl. Chief Secy.(Forest) regarding wild life board approval on 05.01.2018. Query raised were replied by Special Secy.(Forest) on 02.02.2018.
- **MOEFCC vide letter dt. 28.06.16 again raised a query regd. Compensatory afforestation area. Query to be complied by DFO, Hazaribagh.**

F. Construction of Two nos of 220 KV DC Transmission line

- PTPS, Patratu to Pakri Barwadih
  - ✓ Total lenth 36 Kms @ area 69.291 HA
  - ✓ Proposal PF/JHTRANS/22424/2016 initiated on 25.02.2017
  - ✓ Proposal is pending due to FRA of protected forest land and GM-JJ land and NOC of GM – JJ Land
  - ✓ Gram Sabha completed
  - ✓ Gram sabha proceeding submitted by CO to DC/SDO Ranchi on 14.05.2018
  - ✓ DC office yet to grant FRA.

- Pakri Barwadih to Chatti Bariatu
  - ✓ Total area 46.25 HA
  - ✓ Proposal FP/JH/TRANS/23704/2017 initiated on 27.01.2017
  - ✓ REC presentation held on 27.06.18 and In-principle approval has been accorded for stage I clearance. NPV demand to be raised by DFO, Hazaribagh for further processing.

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सत्यमेव जयते

No. 11/43/2018-Th-II
Government of India
Ministry of Power

Shram Shakti Bhawan, Rafi Marg,
New Delhi, Dated: 17.08.2018

Meeting Notice

Subject: Land issues of NTPC Ltd. and DVC pending with State Govt. of Jharkhand – Regarding.

The undersigned is directed to say that Smt. Archana Agrawal, Joint Secretary (Thermal), Ministry of Power will take a meeting to discuss the land related issues of NTPC Ltd. and DVC pending with State Govt. of Jharkhand on 22.08.2018 at 2.00 A.M. in Committee Room, 2nd Floor, Ministry of Power, S.S. Bhawan, Rafi Marg, New Delhi. Lists of pending issues of NTPC Ltd. and DVC are enclosed herewith.

2. It is requested to kindly make it convenient to attend the meeting.

Encl: As above.

17.08.2018

(Chandan Kumar)
Section Officer (Th)
Telefax: 23719710

(i) Chief Secretary, Govt. of Jharkhand, 1st Floor, Project Building, Dhurwa, Ranchi - 834004 (with request to depute a suitable officer concerned with the issues.)
(ii) Chairperson, Central Electricity Authority, Sewa Bhawan, R.K. Puram, New Delhi.
(iii) CMD, NTPC Ltd., Scope Complex, Lodhi Road, New Delhi.
(iv) Chairman, Damodar Valley Corporation, DVC Headquarters, DVC Towers, VIP Road, Kolkata - 700054.

Copy to: PS to JS (Th) / PA to Director (Th)/ PA to US (DVC) / PA to US (Th) M/o Power.

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4. Coal Mining Projects. NTPC Ltd.

A. Encroacher's issue –

- Most of the GM and Forest land is encroached. Though State Govt.'s policy exists for compensation to encroachers of more than 30 years (similar to Raiyati land) in GM Land. Further, in line with the decision taken in meeting dated 20.02.2015 encroachers of less than 30 years to be compensated under livelihood loss @ at 10 lakh/acres after due certification of dist. Administration. Certification has been put on hold by dist. Administration due to the SIT & ongoing CBI enquiry.

- For continuing the Mining operation of PB, decision by the State Authorities is imperative with regard to GM, GM JJ and Forest Land encroachers as they are obstructing the activities on the ground. For any further intervention at site, like resettlement of families and expansion of mine the land owners / encroachers are demanding for a decision on GM, GM JJ and Forest Land.

B. Adverse law & order situations –

- Coal extraction & other activities in Pakri-Barwadih mine being are under operation with the support of District administration. Many incidents of manhandling, work stoppage by villagers happened in past.

- Coal transportation is getting hampered by the villagers very often. On 15.07.18 (about 12:30 am) a group of armed men shot dead a driver and critically injured helper of a coal transportation vehicle. The matter was immediately brought to the notice of district administration and with their support situation was brought under control. Police is investigating it.

- Dist. Administration has also assured for patrolling on critical routes in night. Further support required from Dist. Administration and State Govt. for smooth functioning of operations.

C. Land acquisition for Railway & CHP Corridor for CB/KD IN CHATRA

- 195 acres of land required from 03 villages (Sesai, Kadamdari &Urda) in Chatra District.

- Land Notification & Land Award passed and land compensation deposited by NTPC Limited.

- Compensation Disbursement initiated by District Authorities but disbursement is very slow as land owners are demanding compensation of structures existing on the land. During award preparation, it was seen by the Dist Auth. that land-owners were constructing temporary structures to avail additional benefits, so the same was rejected by the concerned official, however, few genuine cases was also left out in the process. A decision in this regard is required to be taken.

D. GM Land Transfer:

- Earlier for transfer of Government land only salaami was applicable. State Government has asked for lease rent and salami rent. NTPC/ M/o Power and State Government need to resolve the same.

  - Earlier, Government of Jharkhand, had imposed both *Salaami* and Lease rent for the transfer of Government (GM) land, thus making the land cost too high(as high as Rs 3-4 Crs per acre). Before that only *Salaami* was applicable.NTPC had taken up the issue with State Govt. of Jharkhand and appraised to MoP. And this issue was discussed in the review meeting of 'PRAGATI' on 28.09.2016.
  - Now, Government of Jharkhand has come out with an order (Sankalp)on 03.01.2017, wherein provisions for indexing on lease rent abolished, and the rates for lease rent and cess lowered. However, in some villages the effective land rate is still on the higher side

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if compared with the existing private land rate. Further as per letter dated 25.03.2017 of DC, provisions of Sankalp dated 03.01.2017 of GOJ is not applicable for Rajyadesh issued prior to 03.01.2017, therefore it will result into higher outgo from NTPC on account of Govt Land.

- **In the meeting to review operationalization of coal mines of Jharkhand by Secretary (Coal) GoI held on 02.06.2017 the issue was reviewed in presence of Chief Secretary, Jharkhand. Jharkhand Govt.**

Further, this issue was discussed with Hon'ble Chief Minister of Jharkhand on 23.09.2017, State Government assured to look into the issue pertaining to coal blocks of NTPC and resolve the matter by November 2017

E. STAGE-II Forest Clearance of Kerendari

- Stage-I forest clearance (FC) was accorded by MoEF & CC on 01.02.2012.
- Compliance of stage-I forest clearance submitted by NTPC on 22.02.2012.
- First time query raised by MOEF&CC on 26.11.2015- regarding reply to the compliance of Stage-I Forest clearance.
- Compliance of query for Stage-II forest proposal was forwarded by Jharkhand Government to MOEF&CC on 06.01.2017.
- Second time query raised by MoEF&CC on 23.06.2017, asked for some more clarifications from Principal Secy. (Forests), Govt of Jharkhand, Ranchi. Proposal forwarded to Addl. Chief Secy(Forest) on 26.11.2017. Some clarification asked by Addl. Chief Secy.(Forest) were cleared by Principal Secy. (Forests) on 29.12.2017.
- Further some clarification asked by Addl. Chief Secy.(Forest) regarding wild life board approval on 05.01.2018. Query raised were replied by Special Secy.(Forest) on 02.02.2018.
- **MOEFCC vide letter dt. 28.06.16 again raised a query regd. Compensatory afforestation area. Query to be complied by DFO, Hazaribagh.**

F. Construction of Two nos of 220 KV DC Transmission line

- PTPS, Patratu to Pakri Barwadih
  - ✓ Total lenth 36 Kms @ area 69.291 HA
  - ✓ Proposal PF/JHTRANS/22424/2016 initiated on 25.02.2017
  - ✓ Proposal is pending due to FRA of protected forest land and GM-JJ land and NOC of GM – JJ Land
  - ✓ Gram Sabha completed
  - ✓ Gram sabha proceeding submitted by CO to DC/SDO Ranchi on 14.05.2018
  - ✓ DC office yet to grant FRA.

- Pakri Barwadih to Chatti Bariatu
  - ✓ Total area 46.25 HA
  - ✓ Proposal FP/JH/TRANS/23704/2017 initiated on 27.01.2017
  - ✓ REC presentation held on 27.06.18 and In-principle approval has been accorded for stage I clearance. NPV demand to be raised by DFO, Hazaribagh for further processing.

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DVC

Status of Tubed coal block

Sl. No.	Clearances/ approvals	Present Status
1	**Land acquisition**	Notification under section 9(1) of CBA Act issued on 02.07.2018 by MoC, GoI declaring acquisition of 1136.66 Acres of land of total coal block area. Notification under section 11(1) of the CBA Act shall be submitted to MOC, GOI for transfer of the said land to DVC.
2	**Rehabilitation & Resettlement**	Application for SIA study submitted to District Authority. Socio-Economic survey of PAF and PAP shall be conducted by District Authority to finalize the R&R package.

Issues related to Government of Jharkhand

1. **Related to Land acquisition** :
   a) Conducting Social Impact Assessment (SIA) Study, finalisation and approval of Rehabilitation & Resettlement Package: Application for SIA study and R & R package submitted to District Authority on 27.06.2018.
   b) Fixation of compensation price of land acquired.
   c) GM Land for R & R colony.
2. **Related to Forest Clearance**: For early commencement of the project, procedure for Forest Clearance is required to be speed up.

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NTPC
A Maharatna Company

एन टी पी सी लिमिटेड
(भारत सरकार का उद्यम)
NTPC Limited
(A Government of India Enterprise)

केन्द्रीय कार्यालय/Corporate Centre

ए. के. गुप्ता
निदेशक (वाणिज्यिक)
A. K. GUPTA
Director (Commercial)

Ref.No.CC/DCOM/CM/12/01
December 31, 2018

The Chief Secretary
Government of Jharkhand,
1st Floor, Project Building, Dhurwa,
Ranchi-834004.

Sub: Approval of "Integrated Wild Life Management Plan" for issuance of Stage-II forest clearance for Kerendari coal mining project.

Dear Sir,

NTPC was entrusted with development of Kerandari coal block in the State of Jharkhand by Ministry of Coal. MoEF&CC vide letter Ref.No F.No.8-53-2011-FC dated 01.02.2012 had accorded Stage-I forest clearance for diversion of 243.32 Ha of forest land. As per the condition No. 8 stipulated in the said clearance, user agency has to prepare a conservation plan for the project area, under the guidance of the State Forest Department.

Accordingly, NTPC had approached Govt. of Jharkhand (GoJh) and in turn, GoJh had constituted a committee for preparation of "Integrated Wildlife Management Plan for entire North Karanpura coalfield area" on 27.08.2011 with the guidance of the State Forest Department. The constituted committee submitted the final report to GoJh on 29.07.2017 after due vetting by Wildlife Institute of India (WII), Dehradun and the report is pending for approval with GoJh. MoEF&CC vide its letters dated 26.11.2015, 23.06.2017, 26.08.2018 and 01.11.2018 requested GoJh for submission of approved "Wild Life Conservation Plan" for issuance of Stage-II Forest Clearance.

This is to bring to your kind notice that as per the coal block development and production agreement signed between the Ministry of Coal and NTPC, the schedule for mining operations and coal production is May-2019 and Nov-2019 respectively. NTPC is in the process of appointing contractors for start of mine operation. However, the work can be started only after obtaining Stage-II forest clearance.

In view of the above, we seek your kind intervention for expediting the approval of Integrated Wild Life Management Plan which is a pre requisite for issuing Stage-II forest clearance by MoEF & CC.

Thanking you,

Yours faithfully,

(A K Gupta)

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Reason: AGM(Commercial)
Location: NTPC Limited

एनटीपीसी भवन, कोर-7, पांचवा तल, स्कोप काम्पलैक्स, 7, इंस्टीट्यूशनल एरिया, लोधी रोड, नई दिल्ली-110 003 टेल/Tel. : 011-24360860, 24361012, फैक्स / Fax : 011-24368417
NTPC Bhawan, Core-7, 5th Floor, SCOPE Complex, 7, Institutional Area, Lodhi Road, New Delhi-110 003, E-mail : akgupta07@ntpc.co.in, web site : www.ntpc.co.in

अजय भल्ला
सचिव
भारत सरकार
AJAY BHALLA
Secretary
Government of India

सत्यमेव जयते
Ministry of Power
Shram Shakti Bhawan
New Delhi - 110001

विद्युत मंत्रालय
श्रम शक्ति भवन
नई दिल्ली–110001
Tele : 23710271/23711316
Fax : 23721487
E-mail : secy-power@nic.in

D.O. No. 1/7/2017-Th-I

January 14, 2019

Dear

NTPC Ltd. has been allocated 03 Coal Blocks by the Government of India, namely, Pakri-Barwadih, Chatti-Bariatu & Chatti-Bariatu (South) and Kerandari coal blocks, located in Hazaribagh Distt. of Jharkhand. Additionally, Banhardih coal block (Latehar Distt., Jharkhand), is also allocated to M/s. Patratu Vidyut Utapadan Nigam Ltd. (PVUNL). PVUNL, a JV company incorporated between NTPC and Government of Jharkhand.

2. Coal production has already commenced in Pakri-Barwadih in December, 2016. As informed by the NTPC Ltd., with the support from State Govt., NTPC has been able to extract about 7.6 million tons of coal from this mine. In other mines, various mine development activities are also going on.

3. During the Quarterly Performance Review of NTPC, it informed that land acquisition is going on at a slow pace in the coal mines of NTPC located in Hazaribagh Distt. Delay in R&R award to the villages and rehabilitation of the villagers, in the immediate vicinity of the operating mines, is creating bottlenecks to progress of mining activity as per the plan. The issues, highlighted by the NTPC Ltd., are enclosed at **Annex-A**.

4. In order to operate the mines on sustainable basis, land acquisition and rehabilitation of PAPs is required to be carried out matching with the mine progress/ plan. I would, therefore, request you that you may please review the matter at your level to expedite the pending land acquisition and R&R issues, so that planned production from these mines can be maintained. It is also requested that such reviews may be held at regular intervals where NTPC can flag its concerns.

Yours sincerely,

Sd/-
(A. K. Bhalla)

Shri Sudhir Tripathi
Chief Secretary,
Govt. of Jharkhand
1st Floor, Project Building,
Dhurwa, Ranchi - 83400

Copy to :

Shri Gurdeep Singh, CMD, NTPC Ltd., Scope Complex, Lodhi Road, New Delhi.

(A. K. Bhalla)

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Issues to be taken up with Govt. of Jharkhand

1. Resettlement of villages

For progression of the mine area, there is an urgent need for resettlement of villages pertaining to Pakri-Barwadih mines, around 200 homestead oustees of three villages [Chirudih, Itiz (part), Urub] in Barkagoan Block on priority.

2. Encroachers on GM/GM-JJ land

Government of Jharkhand and Hazaribag District Administration have decided to go for eviction of encroachers (less than 30 years) from GM land/GM-JJ/ forest land.

3. Law & Order Situation

- In an incident on 15.12.18 at Pakri-Barwadih, 10 coal carrying trucks enroute Banadag Rly siding were set on fire by one maoist group.
- Earlier, on 03.11.18, miscreants set ablaze 4 volvo dumpers and 1 JCB near mine area in Itiz and threatened workers with dire consequences.

4. Land acquisition for CHP Corridor for CB/KD in Chatra:

- 195 acres of land required from 03 villages (Sesai, Kadamdari & Urda) in Chatra district.
- Land is yet to be made available for CHP Corridor for CB / KD in Chatra Distt.

5. GM Land Transfer / Salami & Lease rent

- Regarding the issue of salami and lease rent wrt the revised GoJ circular dated 24.10.14 and circular dated 03.01.17, as requested by NTPC for higher financial implication in its Pakri-Barwadih, Chatti-Bariatu & Kerandari coal mining projects,
- Hon'ble CM has asked Revenue Department to examine for implementation of 03-01-17 circular after seeking legal opinion at the earliest.

6. Stage II Forest Clearance of Kerendari

- Wild Life Management plan is under approval since July'2017 with GoJH.

7. Construction of two no's of 220KV DC transmission line:

PTPS, Patratu to Pakri-Barwadih portion (36 km & area 69.291Ha)

- Forest clearance awaited.

Pakri-Barwadih to Chatti-Bariatu portion (21 km & area 46.25Ha)

- Working permission and Stage- II forest clearance awaited.

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Reason: AGM(Commercial)
Location: NTPC Limited

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सचिव
भारत सरकार
AJAY BHALLA
Secretary
Government of India

सत्यमेव जयते

Ministry of Power
Shram Shakti Bhawan
New Delhi - 110001

विद्युत मंत्रालय
श्रम शक्ति भवन
नई दिल्ली–110001
Tele : 23710271/23711316
Fax : 23721487
E-mail : secy-power@nic.in

D.O. No. 12/01/2018-Th.II

13 June, 2019

Dear Sir,

This is regarding the Stage-II Forest Clearance of Kerandari Coal Mining Project of NTPC Ltd., located in the state of Jharkhand. I have been informed by NTPC Ltd. that Stage-I forest clearance (FC) of Kerandari Coal Mining Project was accorded by MOEF&CC on 01.02.2012. The Stage-II Forest Clearance of Kerandari Coal Mining Project is still in process and in its absence, the award of contracts for other project development activities by NTPC are getting affected.

2. As informed by NTPC, for processing of the stage-II FC of Kerandari project, MOEF&CC desired Wildlife Conservation Plan of the entire North Karanpura area of Jharkhand and certified land schedules. I am informed that Jharkhand State Government, vide letter dated 04.04.2019, has already forwarded the Wildlife Conservation Plan of the entire North Karanpura area, recommended by State Board of Wildlife, to Wildlife Division of MOEF&CC, for approval by Standing Committee of National Board of Wild Life (NBWL). Further, the land schedules, duly certified by concerned Revenue Officers, have also been forwarded to Forest Clearance Division of MOEF&CC, by State Government of Jharkhand vide letter dated 05.04.2019.

3. It is understood that convening of meeting of the Standing Committee of NBWL and approval of Wildlife Conservation Plan of the entire North Karanpura area may take some more time. In this context, NTPC has met IG (Forest) with a request to consider Stage-II FC of Kerandari pending approval of Wildlife Conservation Plan. NTPC, in this regard, has also written to PCCF, Ranchi on 02.04.2019 with an undertaking to comply with all the conditions. A development note of the issue is also enclosed.

Contd....

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from pre-page :

4. I would request you to look into the matter for granting the Stage-II Forest Clearance of Kerandari Coal Mining Project, pending approval of Wildlife Conservation Plan, for expeditious implementation of the project. In this regard, I would also like to inform you that this is a project of national importance and is being monitored under PRAGATI by Hon'ble Prime Minister.

With regards,

Yours sincerely,

13/6/19

(A. K. Bhalla)

Shri C.K. Mishra,
Secretary,
MoEF&CC,
Indira Paryavaran Bhawan,
Jorbagh Road, New Delhi

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Reason: AGM(Commercial)
Location: NTPC Limited

Annexure

Stage-II Forest Clearance of Kerandari Coal Mining Project

- Allotment: 08.09.15
- Location: Hazaribagh / Jharkhand;
- Area: 6.54 sq. km
- Mineable Reserve(MT) (Open Cast): 140
- Capacity: 6 MTPA
- Stage-I forest clearance (FC) was accorded by MOEF & CC on 01.02.12.
- Compliance of Stage-I forest clearance submitted by NTPC on 22.02.12.
- 1st time query raised by MOEF & CC on 26.11.15 - Compliance was forwarded by GoJH on 06.01.17.
- 2nd time query raised by MoEF & CC on 23.06.17 - Compliance forwarded by GoJH on 08.05.18.
- 3rd time query raised by MoEF & CC on 28.06.18 - Govt. of Jharkhand replied on 19.09.18
- 4th time query raised by MoEF on 01.11.18:

On all the queries, MoEF requested for submission of "Approved Wild Life Conservation Plan" beside other issues.

Wild Life Conservation Plan": Chronology of activities

- State Govt. constituted a committee for preparation of 'Integrated Wildlife conservation plan' for entire North Karanpura coalfield area on 27.08.11 under the guidance of State Forest Dept.
- As per the advice of State Govt. NTPC awarded the consultancy on 06.12.12.
- NTPC paid amount of Rs 22.12 lacs to the consultant on 26.02.13 & 02.12.13.
- Committee submitted the final report to State Govt. on 29.07.17
- 'Wild life conservation plan' has been discussed by State Board for Wildlife (SBWL) on 13.02.19 and forwarded to National Board for Wildlife (NBWL) on 04.04.19.
- In this regard, NTPC has met IG (Forest) with a request to consider Stage-II pending approval of Wildlife Conservation Plan. A letter to PCCF, Ranchi has been submitted on 02.04.19 with an undertaking to comply all conditions.
- PCCF, Ranchi to forward the compliance to MoEF Delhi.

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एनटीपीसी NTPC
A Maharatna Company

एनटीपीसी लिमिटेड
(भारत सरकार का उद्यम)
NTPC Limited
(A Govt. of India Enterprise)

केरेडारी कोयला खनन परियोजना
Kerendari Coal Mining Project

Ref: KBCMP/Project/2019/ 11 Date: 03.09.2019

Sub: Submission of Stage-II Compliance in respect to Kerandari Coal Mining Project of NTPC Ltd.

Ref: Stage- II Clearance vide MOEF&CC letter No: F.No.8-53/2011-FC dated 28.08.2019(copy enclosed for your ready reference).

Dear Sir,

This is with reference to the above cited letter from MOEF&CC, in which it has been conveyed that the Stage-II forest clearance is granted for NTPC Kerandari Coal Mining Project (KDCMP), for diversion of 243.32 ha of forest land for North Karanpura Coalfiled in Hazaribagh West and Chatra South Forest Division of District Chatra and Hazaribagh.

Please find attached herewith the compliance report of Stage-II FC is hereby submitted for your kind perusal for transfer of the said land in the name of NTPC at the earliest.

Thanking you,

Yours sincerely

03/09/19

(S K Sinha)
GM/HOP
Kerandari Coal Mining Project

To
1. The Divisional Forest Officer,HazaribaghWest Forest Division Hazaribagh
2. The Divisional Forest Officer, Chatra South Division, Chatra Dist.

Received nine sets
4/9/19
Hand report
Chatra South Division

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Date: 2023.06.29 14:23:24 IST
Reason: AGM(Commercial)
Location: NTPC Limited

कार्यालयः— वन प्रमंडल पदाधिकारी, चतरा दक्षिणी वन प्रमंडल।

वन भवन, चतरा— 825401 (झारखण्ड)
Ph. & Fax (o) - 06541- 222303 E-mail:- dfochatrasouth@gmail.com

पत्रांक 3416 दिनांक 12/10/19

सेवा में

श्री संजय कुमार सिन्हा,
महाप्रबन्धक,
परियोजना प्रमुख,
एन0टी0पी0सी0 लि0,
केरेडारी कोल खनन परियोजना,
हजारीबाग— 825301।

विषयः— एन0टी0पी0सी0 लि0 के तीर्थ करणपुरा कोयला क्षेत्र अंतर्गत केरेडारी कोल ब्लॉक में माईनिंग परियोजना हेतु कुल 243.32 है0 वनभूमि अपयोजन का प्रस्ताव में हजारीबाग पश्चिमी वन प्रमंडल के अंतर्गत 184.77 है0 एवं चतरा दक्षिणी वन प्रमंडल के अंतर्गत 58.55 है0 वनभूमि अपयोजन का प्रस्ताव के संबंध में।

प्रसंग :— इस कार्यालय का पत्रांक 2809 दिनांक 16.12.2015 एवं पत्रांक 2602 दिनांक 19.08.2016 एवं पत्रांक 3039 दिनांक 07.10.2016

महाशय,

उपर्युक्त विषयक प्रसंगाधीन पत्र का कृपया स्मरण करें। अपयोजन प्रस्ताव के साथ क्षतिपूरक वनरोपण हेतु राशि जमा करने के लिए प्रस्ताव में संलग्न वचन बद्धता प्रमाण—पत्र (Undertaking) के आलोक में आपको सूचित किया जाता है कि भारत सरकार द्वारा दिये गये स्टेज—1 के शर्त संख्या 2(i) के अनुसार अपयोजित होने वाले वनभूमि के बदले दूगने क्षेत्र पर क्षतिपूरक वनरोपण कराने हेतु राशि की मांग करने का निर्देश प्राप्त था जिसके आलोक में 10 वर्षीय प्राक्कलन तैयार कर वित्तीय वर्ष 2014—15 में मजदूरी दर प्रति मानव दिवस 177.07 रू0 की दर से 1,39,05,400.00 रूपया की मांग किया गया था, जिसे आपके द्वारा कैम्पा खाता में जमा करने हेतु सूचना इस कार्यालय को प्राप्त है।

वित्तीय वर्ष 2016—17 में मजदूरी दर प्रति मानव दिवस 221.61 रूपया होने के कारण मजदूरी दर में वृद्धि होने के उपरान्त संशोधित क्षतिपूरक वनरोपण कराने हेतु दस वर्षीय प्राक्कलन तैयार कर पूर्व में जमा राशि 1,39,05,400.00 को घटाने के उपरांत अवशेष राशि 31,65,235.00 रू0 कैम्पा खाता में जमा करने हेतु प्रसंगाधीन पत्र द्वारा अनुरोध किया गया था परन्तु जमा किये जाने की सूचना अबतक अप्राप्त है।

भारत सरकार द्वारा विषयगत परियोजना पर द्वितीय चरण की अंतिम स्वीकृति दिनांक 26.07.2019 को 25 शर्तों के साथ प्रदान की गई है। ऐसी स्थिति में पुनः वित्तीय वर्ष 2019—20 में मजदूरी दर प्रति मानव दिवस 249.83 रू0 (प्रति वर्ष मानव दिवस पर 15 प्रतिशत वृद्धि के साथ) होने के कारण संशोधित 10 वर्षीय क्षतिपूरक वनरोपण हेतु प्राक्कलन तैयार कर राशि की मांग की जा रही है। प्राक्कलन की मूल प्रति संलग्न है।

संशोधित दर पर की गई राशि की मांग	=	2,83,28,018.00
पूर्व में जमा की गई राशि	=	1,39,05,400.00
अवशेष राशि	=	1,44,22,618.00

अतः अनुरोध करना है कि अवशेष राशि 1,44,22,018.00 (एक करोड़ चौवालीस लाख बाईस हजार छः सौ अठारह) रू0 अविलम्ब CAMPA खाता में online e-portal(https://parivesh.nic.in) के माध्यम से जमा कर Acknowledgement Slip इस कार्यालय में शीघ्र समर्पित की जाय। डिमांड ड्राफ्ट किसी भी हालत में स्वीकार नहीं की जाएगी।

अनु0—यथोक्त।

विश्वासभाजन,

वन प्रमंडल पदाधिकारी,
चतरा दक्षिणी वन प्रमंडल।

12/10/19

E:\Map Section\FC Act\ NTPC Keredari (Coal Mines)

Signature Not Verified
Digitally signed by PARIMAL PIYUSH
Date: 2025.06.25 14:23:24 IST
Reason: AGM(Commercial)
Location: NTPC Limited

झारखण्ड सरकार

कार्यालय – वन प्रंमडल पदाधिकारी, हजारीबाग पश्चिमी वन प्रमंडल, वन भवन, हजारीबाग

☎ 06546-222339, Fax no.06546-222339, Email- dfo.hazaribaghwest@rediffmail.com

पत्रांक : 5983 दिनांक : 19/10/19

सेवा में,

श्री एस.के. सिन्हा,
एन.टी.पी.सी. लिमिटेड
केरेडारी कोयला खनन परियोजना,
सिकरी साईट, बड़कागॉव, हजारीबाग

विषयः– एन0टी0पी0सी0लि0 के नार्थ कर्णपूरा कोयला क्षेत्र अन्तर्गत केरेडारी "A " कोल ब्लॉक में माइनिंग परियोजना हेतु 243.32 हे0 (हजारीबाग पश्चिमी वन प्रमंडल – 184.77 हे0) वन भूमि अपयोजन प्रस्ताव के संबंध में।

प्रसंगः– इस कार्यालय का पत्रांक 295 दिनांक 06.02.2013 एवं 2816 दिनांक 17.07.2015 एवं वन संरक्षक, प्रादेशिक अंचल, हजारीबाग का ज्ञापांक 3061 दिनांक 15.10.2019।

महाशय,

उपरोक्त विषयक प्रसंगाधीन पत्र के संदर्भ में सूचित करना है कि एन0टी0पी0सी0लि0 के नार्थ कर्णपूरा कोयला क्षेत्र अन्तर्गत केरेडारी "A " कोल ब्लॉक में माइनिंग परियोजना हेतु 243.32 हे0 (हजारीबाग पश्चिमी वन प्रमंडल – 184.77 हे0) वन भूमि अपयोजन के प्रस्ताव में क्षतिपूरक वनरोपण की राशि की मांग प्रसंगाधीन पत्र द्वारा की गई थी, जो आपके द्वारा जमा कर दी गई है जिसे निम्न तालिका से स्पष्ट किया जा सकता है।

क्र0 सं0	योजना का नाम	रकवा (हे0)	पूर्व में प्रसंगाधीन पत्र द्वारा याचित राशि जो आपके द्वारा जमा की गई है।	249.83 मजदूरी दर होने के कारण आवश्यक राशि	अंतर राशि जो आपको जमा करना है।
01	क्षतिपूरक वनरोपण	**369.54**	38331707.76	75224100.77	**39924823.01**
02	सेफ्टी जोन	**7.725**		3032430.00	
		Total -	**38331707.76**	**78256530.77**	**39924823.01**
				Or say Rs.	**39924823.00**

अतः 10 वर्षीय प्राक्कलन की प्रति संलग्न करते हुए अनुरोध है कि राशि **39924823.00** **(तीन करोड निनानवे लाख चौबीस हजार आठ सौ तेईस रूपये)** मात्र e-portal mode के माध्यम से Challan generate कर जमा करते हुए इसकी सूचना साक्ष्य की सत्यापित प्रति के साथ इस कार्यालय में समर्पित करना सुनिश्चित किया जाय।

अनुलग्नक–यथोक्त।

विश्वासभाजन,

वन प्रमंडल पदाधिकारी
हजारीबाग पश्चिमी प्रमंडल

Signature Not Verified
Digitally signed by PARIMAL PIYUSH
Date: 2025.06.26 14:23:24 IST
Reason: AGM(Commercial)
Location: NTPC Limited

एनटीपीसी लिमिटेड
(भारत सरकार का उद्यम)
NTPC Limited
(A Govt. of India Enterprise)

केरेडारी कोयला खनन परियोजना
Kerendari Coal Mining Project

Ref:NTPC/KDCMP/Mining/27

Date: 18.11.2019

6961
19.11.19

To,
1. The DFO, Hazaribagh East, Hazaribagh
2. The DFO, Chatra South, Chatra

Sir,

Sub: Payment of difference amount for CA and Safety zone in Ad Hoc CAMPA Account.
Ref: Diversion of 243.32 Ha of Forest land for Kerandari coal mining project accorded by MOEF&CC vide Stage-II FC no: 8-53/2011-FC dated 28.08.2019.

This is with reference to above mentioned Stage-II FC, compliance as submitted by NTPC Kerandari coal mining project and subsequent demand notes as received from your office for transfer of forest land; NTPC here by submits the payment of difference amount in relation to CA & SZ areas as below:

		Demand Note details Amount in Rs			RTGS Payment dated 18.11.2019 & UTR Details $
	Purpose	Previous	Present	Difference	
Charta South @	CA	13905400.00	28328018.00	14422618.00	UBINH19322293976
Hazaribagh West #	CA&SZ	38331707.76	78256530.77	39924823.00	UBINH19322293938
nd total		52237107.76	106584548.77	54347441.00	

@ vide demand note no: 3416 dated 12.10.2019
# vide demand note no: 5983 dated 19.10.2019
$ copy of bank receipt attached for your kind information pl.

In view of the above, it is requested to please process for transfer of forest land in the name of NTPC and tree cutting permission at the earliest.

Thanking you,

Yours faithfully,

18/11/19
(S K Sinha)
General Manager

संजय कुमार सिन्हा / S.K. SINHA
महाप्रबंधक / General Manager
परियोजना प्रमुख / HOP
एनटीपीसी लिमिटेड / NTPC Limited
केरेडारी कोयला खनन परियोजना / KDCMP
हजारीबाग / Hazaribag

Signature Not Verified
Digitally signed by PARIMAL PIYUSH
Date: 2025.06.26 14:23:24 IST
Reason: AGM(Commercial)
Location: NTPC Limited

Office of the Divisional Forest Officer,
Hazaribag West Forest Division, Van Bhawan, Hazaribag
झारखण्ड सरकार ☎ 06546-222339, Email- dfo.hazaribaghwest@rediffmail.com .& dfo-hazaribaghwest@gov.in

Letter No...393.../ Dated....27.1.20

Sri Sadanand Sah. 28/01/2020.

To,

Sri S.K.Sinha,
NTPC Limited,
Keridari Coal Mining Project,
Sikri site , Barkagoan ,
Hazaribagh.

Subject: Demand Note, against "Integrated Wildlife Management Plan" of North Karanpura Coal Block (Keridari Coal Block, 184.77 Ha. Hazaribagh West Forest Division.

Reference: MoEF & CC letter no. Stage-II - F.No.8-53/2011-FC dated 28.08.2019 (condition no. 16) & Stage-I - F.No.8-53/2011-FC dated 01.02.2012 (condition no. 18) and Principal Chief Conservator of Forests,Wildlife & Chief Wildlife Warden, Jharkhand Ranchi memo no. 397 dated 12.02.2019.

Sir,

As per the condition no. 18 in the inprinciple approval and condition no. 16 of the Stage-II approval, the MoEF&CC had imposed that "The user agency shall pay the cost of implementation of wildlife management plan on pro-rate basis being prepared by the State Government for the entire North Karanpura Coal field." And accordingly a Final Report of Integrated Wildlife Management Plan (IWMP) of North Karanpura Coal Block (NKCB) was prepared and submitted by the Expert Committee which is not a site specific plan but a general prescriptions and guidelines for the preparation of "Site specific Wildlife Management Plan"in future. Which means that for each mine under North Karanpura Coal Block, individual site specific wildlife management plan will have to be prepared. However, Principal Chief Conservator of Forest, Wildlife & Chief Wildlife Warden, Jharkhand, Ranchi vide office order No. 06 dated 12.02.2019 mentioned that the individual initial environmental fund contribution for coal Companies of North Karanpura Coal Block area would be Rs. 3.786 Lakh/ Ha. of lease area. Accordingly, the forest area involved in the present proposal in 184.77 Ha. hence an initial amount of 3.786 lakhs X 184.77 Ha. i.e. 699.54 Lakhs is to be deposited for the sake of the Wildlife Management

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Date: 2025.06.26 14:23:24 IST
Reason: AGM(Commercial)
Location: NTPC Limited

13

Plan. But in future "site specific Wildlfie Management Plan" would have to be prepared by the concerned forest divisions in North Karanpura Coal Block area hence an amount of 394.39 lakhs in liable to change. Thus, an undertaking may be furnished that in future if any additional amount is demanded for the sake of "site specific wildlife management plan"the same would be deposited by the user agency.

At present, a sum of rupees 699.54 lakhs may be deposited in CAMPA Account by generating e-challan and the same may be intimated to the office of the undersigned.

Yours Faithfully,

Divisional Forest Officer,
Hazaribagh West Division

Signature Not Verified
Digitally signed by PARIMAL PIYUSH
Date: 2025.06.26 14:23:24 IST
Reason: AGM(Commercial)
Location: NTPC Limited

14

झारखण्ड सरकार

कार्यालयः— वन प्रमंडल पदाधिकारी, चतरा दक्षिणी वन प्रमंडल।
वन भवन, चतरा— 825401 (झारखण्ड)
Ph. & Fax (o) - 06541- 222303 E-mail:- dfochatrasouth@gmail.com

पत्रांक 249 दिनांक 27.01.2020

सेवा में

श्री संजय कुमार सिन्हा,
महाप्रबंधक,
परियोजना प्रमुख,
एन0टी0पी0सी0 लि0,
केरेडारी कोल खनन परियोजना,
हजारीबाग— 825301।

विषयः— एन0टी0पी0सी0 लि0 के नॉर्थ करणपुरा कोयला क्षेत्र अंतर्गत केरेडारी कोल ब्लॉक में माईनिंग परियोजना हेतु कुल 243.32 हे0 (हजारीबाग पश्चिमी वन प्रमंडल के अंतर्गत 184.77 हे0 एवं चतरा दक्षिणी वन प्रमंडल के अंतर्गत 58.55 हे0) वनभूमि अपयोजन का प्रस्ताव पर भारत सरकार द्वारा प्राप्त स्टेज—2 की अंतिम स्वीकृति में लगाये शर्त्त संख्या— 16 का अनुपालन के संबंध में।

प्रसंग :— भारत सरकार, पर्यावरण, वन एवं जलवायु परिवर्त्तन मंत्रालय, नई दिल्ली का पत्रांक F. No. 8-53/2011-FC दिनांक 28.08.2019

महाशय,

उपर्युक्त विषयक प्रसंगाधीन पत्र द्वारा स्टेज—2 की अंतिम स्वीकृति 25 शर्त्तो के साथ प्रदान की गई है जिसमें शर्त्त संख्या—16 के आलोक में प्रयोक्ता अभिकरण से मांग प्रेषित की जा रही है जो निम्नवत् है :—

शर्त्त संख्या	शर्त्त	मांग प्रेषित
16	The user agency shall pay the cost of implementation of wildlife. Management Plan on pro rata basis, prepared by the state government for the entire North Karnpura Field, as per the undertaking submitted by them and accepted by state government along with the Stage-I compliance. Forest land shall be handed over to the user agency, after realizing the proportionate cost from the user agency. A copy of the approved Wildlife Management Plan, along with details of proportionate cost shall be submitted to the Ministry and its Regional Office.	इस शर्त्त के अनुसार नॉर्थ करणपुरा हेतु समर्पित वन्य प्राणी प्रबंधन योजना पर प्रधान मुख्य वन संरक्षक, वन्य प्राणी एवं मुख्य वन्य प्राणी प्रतिपालक, झारखण्ड, राँची के कार्यालय आदेश संख्या 06 ज्ञापांक 397 दिनांक 12.02.2019 द्वारा कंडिका 3 में नॉर्थ करणपुरा कोल बैयरिंग एरिया अंतर्गत अपयोजित होने वाले वनभूमि पर वन्य प्राणी प्रबंधन योजना हेतु आवंटन के लिए प्रति हे0 3,78,600.00 दर निर्धारित की गई है। प्राप्त निर्देश के आलोक में इस परियोजना में अपयोजित होने वाले वनभूमि 58.55 हे0 X 3.786 लाख रू0 प्रति हे0 = 2,21,67,030.00 रू0 यानी कुल 2,21,67,100.00 रू0 अविलम्ब CAMPA खाता में online e-portal के माध्यम से जमा किया जाय। साथ ही सूचित करना है कि वन्य प्राणी प्रबंधन योजना हेतु निर्धारित दर में अगर बढ़ोतरी होती है तो संशोधित मांग प्रेषित की जाएगी जिसे आपके द्वारा जमा करने हेतु बाध्यता प्रमाण पत्र देना अनिवार्य है।

अतः अनुरोध है कि मांगी कुल राशि 2,21,67,100.00 (दो करोड़ इक्कीस लाख सड़सठ हजार एक सौ) रू0 अविलम्ब CAMPA खाता में online e-portal (https://parivesh.nic.in) के माध्यम से जमा कर Acknowledgement Slip इस कार्यालय में शीघ्र समर्पित की जाय।

अनु0—यथोक्त।

विश्वासभाजन,

वन प्रमंडल पदाधिकारी,
चतरा दक्षिणी वन प्रमंडल।

27/1/2020

E:\Map Section\FC Act\ NTPC Keredari (Coal Mines)

Signature Not Verified
Digitally signed by PARIMAL PIYUSH
Date: 2025.06.25 14:23:24 IST
Reason: AGM(Commercial)
Location: NTPC Limited

01

A Maharatna Company

एनटीपीसी लिमिटेड
(भारत सरकार का उद्यम)
NTPC Limited
(A Govt. of India Enterprise)

केरेडारी कोयला खनन परियोजना
Kerendari Coal Mining Project

Ref: KBCMP/Project/2020/42

Date: 12.02.2020

To
The Divisional Forest Officer, Hazaribagh West Forest Division, Hazaribagh
The Divisional Forest Officer, Chatra South Division, Chatra

Sub: Submission of reply to the information sought in respect of Kerandari Coal Mining Project of NTPC Ltd.

Ref:

1. Stage- II Clearance vide MOEF&CC letter No: F.No.8-53/2011-FC dated 28.08.2019
2. DFO Chatra South letter no:402 dated 10.02.2020.

Dear Sir,

This is with reference to above cited letter no:402 dated 10.02.2020 in continuation to the observations of PCCF cum ED vide letter 68 dated 31.01.2020; Kerandari coal mining project hereby submits the revised compliance report.

In compliance to the observations of PCCF cum ED for point no: 3 and 4 KDCMP here by submits the required under takings and for point no 5, scheme in line with the stage-II FC Condition no 11(i),(ii) ,(iii) is prepared and enclosed.

Further, it is to inform you that demand note as issued by your good office with respect to payment of wild life management-plan has been paid by NTPC and the details are as below:

	Area in Ha	Amount in Rs	Demand note and payment details
Charta South	58.55	2,21,67,100	268,dated 29.01.2020
Hazaribagh West	184.77	6,99,54,000	405,dated 28.01.2020
Grand total	**243.32**	**9,21,21,100**	**An amount of Rs 9,21,21,100 vide RTGS no: UBINH20043807228, date.12.02.2020**

It is requested to please forward the compliance at the earliest.

Thanking you,

Yours sincerely,

(S K Sinha)
CM/HOP

संजय कुमार सिन्हा / S.K. Sinha
महाप्रबंधक / General Manager
परियोजना प्रमुख / Project Head
केरेडारी कोयला खनन परियोजना / Kerendari Coal Mining Project

Signature Not Verified
Digitally signed by PARIMAL RIYUSHOP
Date: 2025.06.25 14:23:24 IST
Reason: AGM(Commercial)
Location: NTPC Limited

22

कार्यालय – वन प्रंमडल पदाधिकारी,
हजारीबाग पश्चिमी वन प्रमंडल, वन भवन, हजारीबाग

☎ 06546-222339, Email- dfo.hazaribaghwest@rediffmal.com & dfo-hazaribaghwest@gov.in

पत्रांक :– 3555

दिनांक :– 14.10.2020

सेवा में,

श्री एस.के. सिन्हा,
एन.टी.पी.सी. लिमिटेड
केरेडारी कोयला खनन परियोजना,
सिकरी साईट, बड़कागॉव, हजारीबाग

विषयः– एन0टी0पी0सी0लि0 के नार्थ कर्णपूरा कोयला क्षेत्र अन्तर्गत केरेडारी "A " कोल ब्लॉक में माइनिंग परियोजना हेतु 243.32 हे0 (हजारीबाग पश्चिमी वन प्रमंडल – 184.77 हे0 एवं चतरा दक्षिणी वन प्रमण्डल –58.55 हे0) वन भूमि अपयोजन प्रस्ताव के संबंध में।

प्रसंगः– इस कार्यालय का पत्रांक 405 दिनांक 28.01.2020।

महाशय,

उपयुर्क्त विषयक प्रसंगाधीन पत्र के संबंध में सूचित करना है कि विषयगत प्रस्ताव में प्रधान मुख्य वन संरक्षक–सह–कार्यकारी निदेशक, बंजर भूमि विकास बोर्ड, झारखण्ड, रांची का पत्रांक 750 दिनांक 22.09.2020 एवं क्षेत्रीय मुख्य वन संरक्षक, हजारीबाग का ज्ञापांक 1937 दिनांक 12.10.2020 (छाया प्रति संलग्न) द्वारा दिये गये निर्देश के आलोक में वन्यप्राणी प्रबंधन योजना हेतु संशोधित गणना निम्नवत है :–

माइनिंग लीज क्षेत्र 654.00 ha. X 3.786 = 2476.044 Rs.

Division	Previous Deamand for IWMP	Deposited amount for IWMP	Revised Demand for IWMP	Differential Amount to be realised
Chatra South	2,21,67,100.00	2,21,67,100.00	24,76,04,400.00	15,54,83,300.00
Hazaribagh West	6,99,54,000.00	6,99,54,000.00		
Total :-	9,21,21,100.00	9,21,21,100.00	24,76,04,400.00	15,54,83,300.00

अतः अनुरोध है कि रू0 15,54,83,300.00 (पन्द्रह करोड़ चौवन लाख तिरासी हजार तीन सौ रूपया) ई–पेमेन्ट के माध्यम से Ad-hoc कैम्पा के खाता में जमा करते हुए सभी शर्तो का कंडिकावार अनुपालन प्रतिवेदन समर्पित करना सुनिश्चित किया जाय।

आपका विश्वासी

14/10/2020

वन प्रमंडल पदाधिकारी
हजारीबाग पश्चिमी प्रमंडल

अनुलग्नकः– यथोक्त।

Signature Not Verified
Digitally signed by PARIMAL PIYUSH
Date: 2025.06.26 14:23:24 IST
Reason: AGM(Commercial)
Location: NTPC Limited

1 19

AGENCY COPY

NEFT / RTGS CHALLAN for Ad-HOC CAMPA

Date : 23-10-2020

Agency Name.	NTPCKDCMP
Application No.	5899600157
MoEF/SG File No.	NA
Location.	JHARKHAND
Address.	KDCMP SIKRI SITE OFFICEHazaribag
Amount(in Rs)	155483300/-

Amount in Words :Fifteen Crore Fifty-Four Lakh Eighty-Three Thousand Three Hundred Rupees Only

NEFT/RTGS to be made as per following details;

Beneficiary Name:	JHARKHAND CAMPA
IFSC Code:	CORP0000371
Pay to Account No.	150725899600157 Valid only for this challan amount.
Bank Name & Address:	Corporation Bank Lodhi Complex Branch, Block 11,CGO Complex, Phase I, Lodhi Road, New Delhi -110003

- This Challan is strictly to be used for making payment to CAMPA by NEFT/RTGS only

BANK COPY

NEFT / RTGS CHALLAN for Ad-HOC CAMPA

Date : 23-10-2020

Agency Name.	NTPCKDCMP
Application No.	5899600157
MoEF/SG File No.	NA
Location.	JHARKHAND
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Bank Name & Address:	Corporation Bank Lodhi Complex Branch, Block 11,CGO Complex, Phase I, Lodhi Road, New Delhi -110003

- This Challan is strictly to be used for making payment to CAMPA by NEFT/RTGS only

After making successful payment, User Agencies may send a line of confirmation through Email: helpdeskcampa@corpbank.co.in

RTGS Details

1. UBIN12035165248 1

Amount - Rs 10,00,00,000/-

(Ten Crore only)

2. UBIN12035165395 1

Amount Rs 5,54,83,300/-

(Five Crore fifty four lakhs eighty three thousand three hundred only)

Total - 15,54,83,300/-

16.12.2020

Signature Not Verified

Digitally signed by PARIMAL PIYUSH

Date: 2025.06.25 14:23:24 IST

Reason: AGM(Commercial)

Location: NTPC Limited

ANNEXURE-P/22

एनटीपीसी NTPC
A Maharatna Company

एन टी पी सी लिमिटेड
(भारत सरकार का उद्यम)
NTPC Limited
(A Govt. of India Enterprise)

केन्द्रीय कार्यालय / Corporate Centre

Dated: 20.05.2020.

To,
The Nominated Authority
Government of India
Ministry of Coal
F-Wing, 1st floor
Shastri Bhawan
New Delhi - 110001

Sub: Request for assisting NTPC, for early transfer of forest land and grant of tree cutting permission with respect to Kerandari Coal Block, Jharkhand reg.

Dear Sir,

Kerandari Coal Block, located in the state of Jharkhand, was allotted to NTPC for its end use plant Tanda-II (2x660MW) by Ministry of Coal (MOC) vide allotment order no: F.No.103/29/2015/NA dated 08th Sep'15.

You may kindly note that Stage-I Forest Clearance (FC) for this mine was received on 01st Feb'12, but Stage-II FC was received much later only on 28th Aug'19, after persuasion by MOC & MOP at all levels. The delay was mainly because of the delay in approval of the ***"Integrated Wildlife Management Plan"*** (IWLMP) by Jharkhand State Wildlife Board.

After Stage-II FC, compliance report was submitted to forest divisions of Hazaribagh West and Chatra South on 4th Sep'19. As per the demand note received on 12th Oct'19 & 19th Oct'19, payment of differential Compensatory Afforestation (CA) was made on 18th Nov'19 by NTPC. Again, on 27th Jan'20, demand notes were raised by Divisional Forest Officer, Chatra South & Divisional Forest Officer, Hazaribagh West for IWLMP, for a total amount of Rs. 9.21 Cr., payment for which was made on 12th Feb'20. **However, transfer of forest land and tree cutting permission from State Government of Jharkhand are still awaited.**

NTPC has regularly been pursuing this matter with State Forest Department. This issue was also discussed during the meeting with Chief Secretary, State Government of Jharkhand, held on 02nd March'20, where in it was assured to NTPC that forest land would be transferred by 15th March'20.

Continued to page-2

अभियांत्रिकी कार्यालय परिसर, प्लॉट नं० ए–8ए, सैक्टर–24, पोस्ट बाक्स नं० 13, नोएडा-201301 (उ.प्र.)
ENGINEERING OFFICE COMPLEX, Plot No. A-8A, Sector-24, Post Box No. 13, NOIDA-201301 (U.P.)
दूरभाष / Tel.: 0120-4948000, 0120-2410333, 0120-2410801 फैक्स / Fax : 0120-2410137
पंजीकृत कार्यालय : एन.टी.पी.सी. भवन, स्कोप काम्पलैक्स, 7, इंस्टीटयूशनल एरिया, लोधी रोड, नई दिल्ली-110003
Regd. Office : NTPC Bhawan, Scope Complex, 7, Institutional Area, Lodhi Road, New Delhi-110003
दूरभाष/Tel.: 011-24387333 फैक्स/Fax : 011-24361018 • CIN : L40101DL1975GO1007966 • Email : ntpccc@ntpc.co.in

Signature Not Verified
Digitally signed by PARIMAL PIYUSH
Date: 2025.06.25 14:23:24 IST
Reason: AGM(Commercial)
Location: NTPC Limited

Subsequent mine & infrastructure development activities are held up in want of transfer of forest land and tree cutting permission. The work for CHP (Pipe Conveyor) is also held up because of non–availability of forest land.

You are therefore requested to kindly assist NTPC, by taking up with State Government of Jharkhand, for early transfer of forest land and grant of tree cutting permission.

Thanking you,

Yours sincerely,

20/5/20

(Partha Mazumder)
ED (Coal Mining)

Signature Not Verified
Digitally signed by PARIMAL PIYUSH
Date: 2025.06.25 14:23:24 IST
Reason: AGM(Commercial)
Location: NTPC Limited

म. नागराजू
संयुक्त सचिव
M. Nagaraju
Joint Secretary

सत्यमेव जयते

भारत सरकार
GOVERNMENT OF INDIA
कोयला मंत्रालय
MINISTRY OF COAL
शास्त्री भवन, नई दिल्ली
SHASTRI BHAWAN, NEW DELHI
Ph. : 011-23383356, Fax : 011-23388043
E-mail : m.nagaraju@nic

D.O. No. NA-103/29/2015-NA **Dated: 17th June, 2020**

Dear Shri Singh,

This has reference to Kerandari coal mine allocatted to NTPC Limited under Coal Mines (Special Provisions) Act, 2015 vide Allotment Order No. 103/29/2015/NA dated 08.09.2015.

2. It has been informed by Allottee that despite of the payment made by the NTPC for Compensatory Afforestation and IWLMP on 19th October 2019 and 12th February 2020 respectively, in respect of Kerandari Coal mine, the transfer of Forest Land and tree cutting permission are still awaited from State Government of Jharkhand.

3. The allottee has stated that due to non - availability for forest land and tree cutting permission, the mine & infrastructure development activities and work for CHP are help up.

4. In view of the above, you are requested to issue the necessary directions for expediting transfer of Forest Land and tree cutting permission in favour of NTPC for the coal mine to ensure the early/timely operationlisation of coal mine.

With regards,

Yours Sincerely,

(M. Nagaraju)

Shri A.P. Singh
Secretary,
Forest, Environment & Climate Change,
(Government of Jharkhand),
Nepal House, Doranda,
Ranchi-834001

Signature Not Verified
Digitally signed by PARIMAL PIYUSH
Date: 2025.06.26 14:23:24 IST
Reason: AGM(Commercial)
Location: NTPC Limited

A Maharatna Company

(भारत सरकार का उद्यम)

NTPC Limited

(A Govt. of India Enterprise)

केरेडारी कोयला खनन परियोजना
Kerendari Coal Mining Project

Reference: KDCMP/GM23/2019/891

Dated: 11.09.2019

To,

Deputy Commissioner,
Hazaribag (Jharkhand)

Subject: Forwarding the file for transfer of 150.33 Acres of GMJJ land for Kerandari Coal Mining Project of NTPC.

Ref:- Our letter no. KDCMP/CBA/2019/LA01/ 782 dated 25.05.2019.

Dear Sir,

This has reference to our earlier letter dated 25.05.2019 (Enclosed as Annexure – I) in which NTPC requested your good office regarding transfer of 150.33 Acres of GMJJ land to Kerandari Coal Mining Project.

This is for your kind information that MOEF& CC has also accorded Forest Clearance (Stage II) for Kerandari Coal Mining Project of NTPC vide letter No. 8-53/2011 - FC dated 28.08.2019 (Enclosed as Annexure – II)

You are requested to kindly advice the concerned to forward the file for transfer of 150.33 Acres of GMJJ land to state government for further issuance of Rajyadhesh, so that above land can be transferred to Kerandari Coal Mining Project of NTPC.

Thanking you,

Yours faithfully

(S.K.Sinha)
GM (KDCMP)

Encl: As above

Signature Not Verified
Digitally signed by PARIMAL PIYUSH
Date: 2025.06.26 14:23:24 IST
Reason: AGM(Commercial)
Location: NTPC Limited

एनटीपीसी
NTPC

एन टी पी सी लिमिटेड
(भारत सरकार का उद्यम)
NTPC Limited
(A Govt. of India Enterprise)
केरेडारी कोयला खनन परियोजना
Kerendari Coal Mining Project

पत्रांकः- 1070/KDCMP/GM 28/2022/115

दिनांकः- 03.01.2022

सेवा में,

उपायुक्त,
हजारीबाग।

विषय :- एनटीपीसी करनदारी (केरेडारी) कोयला खनन् परियोजना हेतु रकबा 150.33 एकड़ गैरमजरुआ जंगल-झाड़ी भूमि के लीज बन्दोबस्ती हेतु दर निर्धारण पर विचार करते हुए माँग-पत्र निर्गत करने के संबंध में।

महाशय,

उपर्युक्त विषय के आलोक में कहना है कि एनटीपीसी लि० करनदारी (केरेडारी) कोयला खनन् परियोजना के लिए ग्राम- बालेदेवरी, बसरीया, लोचर, पाण्डु, मनातु, तरहेसा एवं बेंगवारी, अंचल केरेडारी में प्रस्तावित रकबा 150.33 एकड़ गैरमजरुआ जंगल-झाड़ी भूमि के लीज बंदोबस्ती हेतु प्रक्रियाधीन है।

उक्त प्रयोजन हेतु अर्जनाधीन सात गाँवों में से चार गाँवों (तरहेसा, मनातु, पाण्डु और बेंगवारी) में विगत तीन वर्षों में क्रय-विक्रय की संख्या काफी कम है एवं अधिक दर पर है तथा तीन गाँवो (बसरीया, लोचर और बालेदेवरी) में कोई क्रय-विक्रय नही है, जिसके आधार पर प्रति एकड़ दर 30-40 लाख आने की संभावना है जो कि वर्तमान में एनटीपीसी द्वारा घोषित मुआवजा दर 24 लाख प्रति एकड़ की तुलना में बहुत ज्यादा होता है। फलस्वरूप वर्तमान में भूमि अधिग्रहण में विसंगति पैदा हो सकती है।

इसलिए आवश्यक है कि छद्म बिक्री को हटाकर दर का निर्धारण किया जाय।

अतः भवदीय से अनुरोध है कि उक्त बातों पर विचार करते हुए 150.33 एकड़ गैरमजरुआ जंगल-झाड़ी भूमि के लीज बन्दोबस्ती हेतु दर निर्धारण कर माँग-पत्र निर्गत करने की कृपा की जाय।

धन्यवाद!

विश्वासभाजन

(एस. के. सिन्हा) 02/01/202
महाप्रबंधक (परियोजना प्रमुख)

केरेडारी कोयला खनन परियोजना, सिकरी साईट कार्यालय, बड़कागाँव, हजारीबाग- 825301 (झारखण्ड)

Signature Not Verified
Digitally signed by PARIMAL PIYUSH
Date: 2025.06.26 14:23:24 IST
Reason: AGM(Commercial)
Location: NTPC Limited

उपायुक्त का कार्यालय, हजारीबाग

(जिला राजस्व शाखा)

पत्रांक 1718 /रा0

प्रेषक,

उपायुक्त,
हजारीबाग।

सेवा में,

महाप्रबंधक,
एनटीपीसी करनदारी (केरेडारी) कोयला खनन परियोजना,
हजारीबाग।

हजारीबाग, दिनांक 16/04/2022

विषय :- करनदारी (केरेडारी) कोयला खनन परियोजना हेतु एनटीपीसी लिमिटेड के पक्ष में गैरमजरुआ जंगल झाड़ी भूमि कुल रकबा 150.33 एकड़ के लीज बन्दोबस्ती हेतु राशि जमा करने के संबंध में।

प्रसंग :- अनुमण्डल पदाधिकारी, सदर हजारीबाग का पत्रांक 216/भू0सु0 दिनांक 11.03.2022

महाशय,

उपर्युक्त विषयक प्रासंगिक पत्र द्वारा एनटीपीसी लिमिटेड को करनदारी (केरेडारी) कोयला खनन परियोजना के लिये रकबा 150.33 एकड़ गैरमजरुआ जंगल झाड़ी भूमि का 30 वर्षो के लिये लीज बन्दोबस्ती प्रस्ताव राजस्व विभागीय संकल्प संख्या 4306/रा0 दिनांक 24.10.2014 के कंडिका-2(I)(ख) में निहित प्रावधान एवं राजस्व विभागीय संकल्प संख्या 48/रा0 दिनांक 03.01.2017 में निहित प्रावधान के आलोक में गणना करते हुए अभिलेख उपलब्ध कराया गया है।

तीस वर्षो के लीज बन्दोबस्ती हेतु प्राप्त प्रस्ताव में भूमि का औपबंधिक गणना तालिका संलग्न है।

सरकार के संयुक्त सचिव, राजस्व, निबंधन एवं भूमि सुधार विभाग, झारखण्ड सरकार, राँची के पत्रांक 2088(5)/रा0 दिनांक 18.08.2020 द्वारा सरकारी भूमि के अधिग्रहण / हस्तान्तरण के एवज में देय राशि सरकारी कोषागार में जमा किये जाने हेतु राजस्व शीर्ष निम्नवत् निर्धारित की गयी है :-

Major Head - 0029 Land Revenue
Sub Head - 001
Minor Head - 106
Head Details - (0029) - 002900101060101
शीर्ष इकाई - "सरकारी भूमि के अधिग्रहण/हस्तान्तरण के लिए"

अतः अनुरोध है कि संलग्न तालिका अनुरूप भूमि मूल्यांकन का अवशेष राशि 47,61,81,961/- (सैंतालिस करोड़ एकसठ लाख एकासी हजार नौ सौ एकसठ) रूपये विपत्र कोड-002900101060101 में ई-चालान के माध्यम से जमा कर इस कार्यालय को अवगत कराने का कष्ट किया जाय। यह माँग पत्र औपबंधिक है। गणना में त्रुटि रहने पर बढ़ी हुई अतिरिक्त राशि आपके द्वारा देय होगा।

अनुलग्नक :- गणना तालिका।

विश्वासभाजन

उपायुक्त, हजारीबाग।

Signature Not Verified
Digitally signed by PARIMAL PIYUSH
Date: 2025.06.26 14:23:24 IST
Reason: AGM(Commercial)
Location: NTPC Limited

e-Challan

Finance Department, Goverment of Jharkhand

Receiving Dept: Revenue, Registration and Land Reforms Department (Revenue and Land Reforms Division)

Valid UpTo :-06/10/2022

Remitter's Copy of Dept

GRN:-2213688573

Date:- 27/09/2022 11:59:40

Receiving Office:- HZBLDR009-CIRCLE OFFICER, KEREDARI-CIRCLE OFFICER, KEREDARI

District:- Hazaribag

Treasury:- Hazaribagh

Year:- 27/09/2022

to :- 27/09/2022

Head(0029)		Amount ₹
Head Details	002900101060101	
सरकारी भूमि के अधिग्रहण/हस्तांतरण के		95236392.20

Net Payable Amount:- ₹ 95236392.20

Nine Crore Fifty Two Lakh Thirty Six Thousand Three Hundred Ninety Two Rupees And Twenty Paisa Only

Payee Detail

Identity Proof(TAN Number) - RCHN00278F

PAN No:- NA

Remitter Name:- NTPC LIMITED

Address :- SIKRI SITE OFFICE, BARKAGAON, HAZARIBAGH HAZARIBAGH 825311

Remarks :- 1718 DT 16.04.2022 AREA 150.33 ACR-5TH

ONLINE PAYMENT DETAILS

Bank ref No :- 9902755820118

Bank CIN No :- 10002162022092704625

SBIEPAY

Payment Status :- SUCCESS

Payment Date :- 9/27/2022 12:05:43 PM

Signature & Seal of Bank

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e-Challan

Finance Department, Goverment of Jharkhand

Receiving Dept: Revenue, Registration and Land Reforms Department (Revenue and Land Reforms Division)

Valid UpTo :-06/10/2022

Remitter's Copy

GRN:-2213688573

Date:- 27/09/2022 11:59:40

Receiving Office :- HZBLDR009-CIRCLE OFFICER, KEREDARI-CIRCLE OFFICER, KEREDARI

District :- Hazaribag

Treasury:- Hazaribagh

Year:-27/09/2022

to:- 27/09/2022

Head(0029)		Amount ₹
Head Details	002900101060101	
सरकारी भूमि के अधिग्रहण/हस्तांतरण के		95236392.20

Net Payable Amount:- ₹ 95236392.20

Nine Crore Fifty Two Lakh Thirty Six Thousand Three Hundred Ninety Two Rupees And

Payee Detail

Identity Proof(TAN Number) - RCHN00278F

PAN No:- NA

Remitter Name:- NTPC LIMITED

Address :- SIKRI SITE OFFICE, BARKAGAON, HAZARIBAGH HAZARIBAGH 825311

Remarks :- 1718 DT 16.04.2022 AREA 150.33 ACR-5TH

ONLINE PAYMENT DETAILS

Bank ref No :- 9902755820118

Bank CIN No :- 10002162022092704625

SBIEPAY

Payment Status :- SUCCESS

Payment Date :- 9/27/2022 12:05:43 PM

Signature & Seal of Bank

Signature Not Verified
Digitally signed by PARIMAL PIYUSH
Date: 2025.06.23 14:23:24 IST
Reason: ACAM(Commercial)
Location: NTPC Limited

झारखण्ड सरकार
राजस्व, निबंधन एवं भूमि सुधार विभाग

संचिका सं0–5/स0भू0 हजारीबाग NTPC (लीज बंदोबस्ती)–80/2023-3222 (5)/रा0, राँची, दिनांक-07/12-2023

राज्यादेश

सेवा में,

महालेखाकार (लेखा एवं हकदारी),
झारखण्ड, पो0–डोरण्डा, राँची।

विषय :– मंत्रिपरिषद् की बैठक दिनांक–22.11.2023 में मद संख्या–26 के रूप में लिये गये निर्णय के आलोक में हजारीबाग जिलान्तर्गत अंचल–केरेडारी के विभिन्न मौजा, विभिन्न खाता संख्या, विभिन्न प्लॉट संख्या, विभिन्न किस्म, कुल रकबा–150.33 एकड़, किस्म–जंगल–झाड़ी, गैरमजरूआ खास खाते की भूमि(विस्तृत विवरणी संलग्न अनुलग्नक–I), राजस्व विभागीय संकल्प सं0–48/रा0, दिनांक–03.01.2017 एवं विभागीय संकल्प सं0–4306/रा0, दिनांक–24.10.2014 की कंडिका–2(I) के आलोक में गणना की गयी प्रस्तावित भूमि का संगणित सलामी की राशि 33,63,48,342/–(तैंतीस करोड़ तिरसठ लाख अड़तालीस हजार तीन सौ बयालीस) रूपये, सलामी का एक (01) प्रतिशत वार्षिक लगान की राशि 33,63,483/– (तैंतीस लाख तिरसठ हजार चार सौ तेरासी) रूपये मात्र, लगान का 75 प्रतिशत सेस की राशि 25,22,613/– (पच्चीस लाख बाईस हजार छः सौ तेरह) रूपये मात्र, 29 वर्षों के लिए रेन्ट+सेस की राशि 17,06,96,783/–(सत्रह करोड़ छः लाख छियानवे हजार सात सौ तेरासी) रूपये मात्र अर्थात् कुल देय राशि **51,29,31,221/– (इक्यावन करोड़ उनतीस लाख एकतीस हजार दो सौ इक्कीस)** रूपये मात्र(विस्तृत विवरणी संलग्न अनुलग्नक–II) की अदायगी पर करनदारी (केरेडारी) कोयला खनन परियोजना हेतु NTPC Ltd. के साथ 30 वर्षों के लिए सशुल्क लीज बंदोबस्ती करने के संबंध में।

आदेश :– स्वीकृत।

i. इस शर्त्त के साथ स्वीकृति दी जाती है कि उपायुक्त, हज़ारीबाग़ प्रस्तावित भूमि के लीज बंदोबस्ती से संबंधित सभी खातों एवं प्लॉटों में अंकित रकबा का खतियान एवं अन्य राजस्व कागजातों से सत्यापन एवं मिलान कर आश्वस्त होने के पश्चात् ही भूमि की लीज बंदोबस्ती की कार्रवाई करेंगे।

ii. जिस प्रयोजन हेतु भूमि का लीज बंदोबस्ती किया जा रहा है, उसमें भूमि की आवश्यकता नहीं रहने अथवा 12 माह में कार्य प्रारंभ नहीं किये जाने पर भूमि स्वतः राजस्व, निबंधन एवं भूमि सुधार विभाग को वापस हो जाएगी।

iii. उपायुक्त, हज़ारीबाग इस बात से आश्वस्त हो लेंगे कि प्रसंगाधीन भूमि में किसी प्रकार का विवाद माननीय सर्वोच्च न्यायालय, उच्च न्यायालय, जिला न्यायालय में लंबित नहीं है एवं उक्त भूमि शमशान, सैरात, भू–हदबंदी, कब्रिस्थान आदि से मुक्त है । उक्त विषयों से पूर्णतः आश्वस्त होने के पश्चात् ही लीज बंदोबस्ती की कारवाई करेंगे।

iv. यदि परियोजना के अंतर्गत वृक्षादि है तो वैसी स्थिति में वृक्षों की लागत मूल्य की गणना कर एकरारनामा के समय अधियाची निकाय से राशि प्राप्त कर ली जायेगी।

v. इस बंदोबस्ती से प्राप्त राशि बजट शीर्ष "0029 भू–राजस्व–107" के अंतर्गत जमा होगी।

Signature Not Verified
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Date: 2025.06.26 14:23:24 IST
Reason: AGM(Commercial)
Location: NTPC Limited

vi. प्रस्तावित भूमि के लीज बंदोबस्ती की तिथि को भूमि के वर्तमान मूल्य के आधार पर सलामी एवं लगान तथा सेस की गणना कर अंतर की राशि प्राप्त कर संबंधित उपायुक्त द्वारा भूमि की लीज बंदोबस्ती की जायेगी। परन्तु प्रस्तावित भूमि के मूल्य से यदि कम होता है तो अनुमोदित राशि की ही वसूली कर भूमि की लीज बंदोबस्ती की जायेगी। किसी भी परिस्थिति में यह राशि अनुमोदित राशि से कम नहीं होगी। अगर परियोजना से संबंधित दर/सलामी, लगान एवं सेस सहित राशि में अंतर परिलक्षित होता है तो अंतर राशि को संबंधित उपायुक्त द्वारा एकरारनामा करने के पूर्व प्राप्त कर ली जायेगी। उपायुक्त, हज़ारीबाग यह भी सुनिश्चित कर लेंगे कि यदि भविष्य में किसी प्रकार की देयता होती है तो अंतर राशि अधियाची निकाय द्वारा भुगतेय होगा। एकरारनामा में यह शर्त भी सन्निहित रहेगा।

vii. प्रसंगाधीन मामले में एकरारनामा का निबंधन कराया जाना आवश्यक होगा एवं निबंधन पर निबंधन शुल्क एवं मुद्रांक शुल्क धार्य होगा। एकरारनामा के निबंधन के समय अधियाची निकाय से उक्त राशि प्राप्त कर ली जायेगी।

viii. यदि निर्धारित अवधि के अंतर्गत अधियाची संस्था द्वारा कार्य प्रारंभ नहीं किया जाता है तो भूमि की लीज बंदोबस्ती हेतु दी गयी राशि को जब्त कर लिया जायेगा। अधियाची संस्था द्वारा राशि जमा किये जाने के बावजूद भी यदि जिला प्रशासन द्वारा अधियाची संस्था को भूमि उपलब्ध नहीं कराया जाता है तो दोषी पदाधिकारियों/कर्मियों के विरूद्ध अनुशासनात्मक कार्रवाई की जायेगी।

ix. अन्य सभी शर्तें राजस्व विभागीय संकल्प सं0–48/रा0, दिनांक–03.01.2017 एवं खासमहाल इस्टेट मैन्युअल में निहित प्रावधानों एवं समय–समय पर सरकार द्वारा निर्गत निदेशों के अनुरूप लागू होगी।

झारखण्ड राज्यपाल के आदेश से,

(संदीप कुमार)
सरकार के संयुक्त सचिव।

ज्ञापांक –5/स0भू0 हजारीबाग NTPC (लीज बंदोबस्ती)–80/2023...3922.....(5)/रा0 राँची, दिनांक–07-12-2023

प्रतिलिपि :– उपायुक्त, हजारीबाग को विषय से संबंधित अभिलेख सं0–01/2010–11, 02/2010–11, 03/2010–11 , 04/2010–11 , 05/2010–11 , 08/2010–11 एवं 09/2010–11 (कुल सात अभिलेख) मूल रूप में संलग्न कर वापस करते हुए सूचनार्थ एवं आवश्यक कार्यार्थ प्रेषित।

अनु0–यथोक्त।

2. अवर सचिव, आयुक्त कार्यालय, उत्तरी छोटानागपुर प्रमण्डल, हजारीबाग को उनके कार्यालय पत्रांक–92/रा0, दिनांक–16.01.2023 के प्रसंग में सूचनार्थ एवं आवश्यक कार्रवाई हेतु प्रेषित।

3. नोडल पदाधिकारी, ई–गजट, राजस्व, निबंधन एवं भूमि सुधार विभाग, झारखण्ड, राँची को सूचनार्थ एवं आवश्यक कार्यार्थ प्रेषित।

4. राज्यपाल सचिवालय/मुख्यमंत्री सचिवालय/मंत्रिमंडल सचिवालय एवं निगरानी विभाग, झारखण्ड, राँची/प्रधान सचिव, वित्त विभाग, झारखण्ड, राँची/संयुक्त सचिव, मुख्य सचिव कार्यालय, झारखण्ड, राँची/माननीय विभागीय (मुख्य) मंत्री के प्रधान आप्त सचिव/विभागीय प्रशाखा–12 (समन्वय) एवं प्रशाखा–5 को सूचनार्थ एवं आवश्यक कार्यार्थ प्रेषित।

सरकार के सहायक सचिव।

Signature Not Verified
Digitally signed by PARIMAL PIYUSH3
Date: 2025.06.26 14:23:24 IST
Reason: AGM(Commercial)
Location: NTPC Limited

उपायुक्त का कार्यालय, हजारीबाग

(जिला राजस्व शाखा)

पत्रांक .....1122..... /रा0

प्रेषक,

उपायुक्त,
हजारीबाग।

सेवा में,

महाप्रबंधक,
एनटीपीसी करनदारी (केरेडारी) कोयला खनन परियोजना,
हजारीबाग।

हजारीबाग, दिनांक 08/6/2024

विषय :– एनटीपीसी करनदारी (केरेडारी) कोयला खनन परियोजना के पक्ष में रकवा 150.33 एकड़ गैरमजरूआ जंगल झाड़ी भूमि का राज्यादेश प्राप्ति उपरांत लीज एकरारनामा के क्रम में वर्तमान दर पर भूमि मूल्यांकन, अवस्थित वृक्ष एवं संरचना की गणना पश्चात् अन्तर राशि जमा करने के संबंध में।

प्रसंग :– राजस्व, निबंधन एवं भूमि सुधार विभाग, झारखण्ड सरकार, राँची के राज्यादेश ज्ञापांक 5/स0भू0 हजारीबाग NTPC (लीज बंदोबस्ती)–80/2023/3922(5)/रा0 दिनांक 07.12.2023

महाशय,

उपर्युक्त विषयक प्रासंगिक पत्र से एनटीपीसी करनदारी (केरेडारी) कोयला खनन परियोजना के पक्ष में रकवा 150.33 एकड़ गैरमजरूआ जंगल झाड़ी भूमि के 30 वर्षो के लीज बन्दोबस्ती हेतु राज्यादेश प्राप्त है। राज्यादेश की कंडिका-vi में लीज एकरारनामा निष्पादन हेतु वर्तमान दर पर भूमि के सलामी, लगान एवं सेस की गणना कर अन्तर राशि एवं भूमि पर अवस्थित वृक्षादि तथा संरचना का मूल्यांकित राशि प्राप्त करने का निदेश है।

उक्त के आलोक में अनुमण्डल पदाधिकारी, सदर हजारीबाग के पत्रांक 522/भू0सु0 दिनांक 24.05.2024 से विषयांकित भूमि का एनटीपीसी करनदारी (केरेडारी) कोयला खनन परियोजना के पक्ष में 30 वर्षो के लीज बन्दोबस्ती के क्रम में लीज एकरारनामा के निमित्त व्यवसायिक दर को आधारभूत दर (Base Rate) मानते हुए राजस्व विभागीय अधिसूचना संख्या 4306/रा0 दिनांक 24.11.2014 एवं राजस्व विभागीय संकल्प संख्या 48/रा0 दिनांक 03.01.2017 में निहित प्रावधानों के भूमि एवं उसपर अवस्थित वृक्ष तथा संरचना का गणना कर प्रस्ताव उपलब्ध कराया गया है।

प्रासंगिक राज्यादेश की कंडिका-v में लीज बन्दोबस्ती हेतु संगणित राशि बजट शीर्ष "0029 भू–राजस्व–107" में अधियाची विभाग से जमा कराने का निदेश अंकित है।

अतः उपरोक्त के आलोक में अनुरोध है कि लीज एकरारनामा के निमित्त संलग्न तालिका अनुरूप भूमि मूल्यांकन की कुल राशि 64,86,39,849.67 रूपये में से पूर्व में जमा की गयी राशि 51,29,31,221.00 रूपये को घटाकर अवशेष राशि 13,57,08,629/- रूपये एवं भूमि पर अवस्थित वृक्ष की मूल्यांकित राशि 13,75,158.00 रूपये बजट शीर्ष "0029 भू–राजस्व–107" में ई–चालान के माध्यम से जमा कर अंचल अधिकारी, केरेडारी को ई–चालान की "Success" प्रति उपलब्ध कराते हुए इसकी एक प्रति के साथ इस कार्यालय को संसूचित करने की कृपा की जाय।

अनुलग्नक :– गणना तालिका।

विश्वासभाजन

उपायुक्त, हजारीबाग।

e-mail id – achazaribagh2023@gmail.com
ac-hazaribagh@jharkhandmail.gov.in

AGM(LTRR/C&R/Civil) 8/6.06.24

Signature Not Verified
Digitally signed by PARIMAL PIYUSH
Date: 2025.06.26 14:23:24 IST
Reason: AGM(Commercial)
Location: NTPC Limited

ANNEXURE-P/24

जयंत सिन्हा
Jayant Sinha

सत्यमेव जयते

नागर विमानन राज्य मंत्री
भारत सरकार
नई दिल्ली-110003
MINISTER OF STATE FOR CIVIL AVIATION
GOVERNMENT OF INDIA
NEW DELHI-110003

अ.शा. पत्र सं. : २१५/नांवि/1834
दिनांक : 11 अगस्त, 2017

आदरणीय श्री गुरदीप सिंह जी,

मेरे संसदीय क्षेत्र के अंतर्गत बड़कागांव प्रखंड के कई ग्रामीणों ने मुझे जानकारी दी है कि पकरी बरवाडीह कोयला खनन परियोजना के अंतर्गत 20 लाख रुपये प्रति एकड़ की दर से भूमि मुआवजा का भुगतान किया जा रहा है जबकि घटटी बरियातु और केरेडारी कोयला खनन क्षेत्र में 15 लाख रुपये प्रति एकड़ की दर से मुआवजा दिया जा रहा है।

मुझे अवगत किया गया है कि मुआवजा निर्धारण के समय स्पष्ट रूप से संदेश दिया गया था कि तीनों कोयला खनन परियोजनाओं में समान दर से मुआवजे का भुगतान किया जाएगा। मुआवजा राशि के भुगतान में इस विसंगति से ग्रामीणों में काफी रोष है।

मैं तीनों कोयला खनन परियोजनाओं में मुआवजा राशि दर में समानता लाने का अनुरोध करता हूं।

आपका,

(जयंत सिन्हा)

श्री गुरदीप सिंह,
अध्यक्ष एवं प्रबंध निदेशक,
एनटीपीसी,
एनटीपीसी भवन, स्कोप कॉम्प्लेक्स,
इन्सटीट्यूशनल एरिया, लोधी रोड,
नई दिल्ली - 110 003

NTPC LIMITED ED(CSR-R&R) & RED (C&P) 1643

360, राजीव गांधी भवन, सफदरजंग एयरपोर्ट, नई दिल्ली-110003 दूरभाष : 011-24627231, 24626001, फैक्स : 011-24627113
360, Rajiv Gandhi Bhawan, Safdarjung Airport, New Delhi-110 003 Tel. : 011-24627231, 24626001 Telefax : 011-24627113
E-mail : mos-aviation@gov.in

Signature Not Verified
Digitally signed by PARIMAL PIYUSH
Date: 2025.06.25 14:23:24 IST
Reason: AGM(Commercial)
Location: NTPC Limited

उपायुक्त का कार्यालय, हजारीबाग

(जिला भू–अर्जन शाखा)

पत्रांक 1534 /भू0अ0

प्रेषक,

अतिरिक्त जिला भू–अर्जन पदाधिकारी,
हजारीबाग।

सेवा में,

समुह महाप्रबंधक,
एनटीपीसी लि0, कोयला खनन् परियोजना,
हजारीबाग।

हजारीबाग, दिनांक 26.9. 2017

विषयः– एनटीपीसी लि0 के चट्टीबरियातु एवं केरेडारी कोयला खनन् परियोजना का मुआवजा दर 20 (बीस) लाख रूपये प्रति एकड करने के संबंध में।

संदर्भ– (1) माननीय नागरिक उडड्यन राज्य मंत्री सह सांसद, हजारीबाग श्री जंयत सिन्हा का अध्यक्ष एवं प्रबंध निदेशक एनटीपीसी को लिखा पत्रांक 1834, दिनांक 11.08.2017।
(2) अपर महाप्रबंधक, परियोजना एनटीपीसी का पत्रांक सी0बी0ए0/ के0 डी0 सी0 एम0 पी0/08/2017, दिनांक 30.08.2017
(3) ग्राम चेपाखुर्द में दिनांक 23.08.2009 को जिला प्रशासन, एनटीपीसी एवं ग्रामीणों से हुई वार्ता संबंधित परिपत्र।
(4) चट्टीबरियातु एवं केरेडारी परियोजना प्रभावित ग्रामों के भू–रैयत एवं जनप्रतिनिधियों का पत्र दिनांक 09.06.2016।

महाशय,

उपर्युक्त संदर्भ सं0 (1) एवं (3) को संलग्न कर अपर महाप्रबंधक (परियोजना) द्वारा एनटीपीसी के चट्टी बरियातु एवं केरेडारी कोयला खनन् परियोजना का मुआवजा दर 15 लाख प्रति एकड से बढाकर 20 लाख रूपये प्रति एकड करने के लिए दिशा निर्देश की माग की गई है।

अधोहस्ताक्षरी के क्षेत्र भ्रमण तथा समय समय पर आयोजित मुआवजा भुगतान शिविर में भू–विस्थापितों द्वारा चट्टीबरियातु तथा केरेडारी परियोजना के लिए अर्जित भूमि का मुआवजा दर पकरीबरवाडीह परियोजना के मुआवजा दर के बराबर करने संबंधी मांग की जाती है। एनटीपीसी के कोयला खनन् परियोजना प्रभावित भू–रैयतों के द्वारा तर्क दिया जाता हैं कि पकरीबरवाडीह, चट्टीबरियातु तथा केरेडारी कोयला खनन् क्षेत्र एक ही जिले में तथा आसपास अवस्थित है और जमीन का अधिग्रहण भी साथ–साथ किया जा रहा है। यही नही यह भी उदाहरण दिया जाता है कि विभिन्न सभाओं में यह स्पष्ट संकेत दिये गये हैं कि हजारीबाग जिला अन्तर्गत एनटीपीसी लि0 के तीनों कोयला परियोजनाओं का मुआवजा दर अंततः समान हो।

उपरोक्त मांग को लेकर समय समय पर काफी आंदोलन भी किये जाते रहें हैं। अतिरिक्त जिला भू–अर्जन पदाधिकारी, के हैसियत में एनटीपीसी से बातचीत के दौरान सूचित किया गया है कि अगले दो तीन महीनों में चट्टीबरियातु में कोयला खनन् कार्य आरम्भ करने की योजना है।

उपरोक्त परिप्रेक्ष्य में हजारीबाग जिला अन्तर्गत एनटीपीसी लि0 के पकरीबरवाडीह , चट्टीबरियातु एवं केरेडारी कोयला खनन् परियोजनाओ के मुआवजा दर के समरूपता तथा चट्टी बरियातु एवं केरेडारी परियोजना के शांतिपूर्वक निष्पादन तथा भू–विस्थापितों के हित का ध्यान रखतें हुए मुआवजा दर बढाकर 20 लाख प्रति एकड करना वाछित हैं।

विश्वासभाजन

अतिरिक्त जिला भू–अर्जन पदाधिकारी,
हजारीबाग।

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Date: 2025.06.26 14:23:24 IST
Reason: AGM(Commercial)
Location: NTPC Limited

एनटीपीसी
NTPC
A Maharatna Company

एन टी पी सी लिमिटेड
(भारत सरकार का उद्यम)
NTPC Limited
(A Government of India Enterprise)

गुरदीप सिंह
अध्यक्ष एवं प्रबन्ध निदेशक
GURDEEP SINGH
Chairman & Managing Director

केन्द्रीय कार्यालय/Corporate Centre

Ref.:01:CMD_Sect:608
August 6, 2018

The Chief Secretary,
Government of Jharkhand,
1st Floor, Project Building, Dhurwa,
Ranchi-834004.

Sub: ***Issues Pertaining to NTPC Projects in Jharkhand.***

Dear Sir,

I would like to express my sincere thanks to you and your team for their constant support in resolving issues pertaining to NTPC projects. As you are aware, NTPC is implementing North Karanpura (3X660) MW and Patratu (3X800)MW Projects in the state of Jharkhand. NTPC is also having three mine blocks Pakri-Barwadih, Chatti-Bariatu and Kerandari, out of which mining activities are in progress at Pakri-Barwadih and activities at other mines are at advance stage.

While the project activities are in progress, there are certain issues which are pending since long. The Issues have been discussed during meetings held at various levels. The details of the pending issues are enclosed as Annexure.

I request your personal intervention in resolving these issues on top-most priority, which in turn shall help in achieving the project timeline.

Thanking You,

Yours faithfully,

(Gurdeep Singh)

Encl: As above

Copy:
Secretary to the GoI, Ministry of Power, Shram Shakti Bhavan, New Delhi-110001

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4. Coal Mining Projects, NTPC Ltd.

A. Encroacher's issue –

- Most of the GM and Forest land is encroached. Though State Govt.'s policy exists for compensation to encroachers of more than 30 years (similar to Raiyati land) in GM Land. Further, in line with the decision taken in meeting dated 20.02.2015 encroachers of less than 30 years to be compensated under livelihood loss @ at 10 lakh/acres after due certification of dist. Administration. Certification has been put on hold by dist. Administration due to the SIT & ongoing CBI enquiry.

- For continuing the Mining operation of PB, decision by the State Authorities is imperative with regard to GM, GM JJ and Forest Land encroachers as they are obstructing the activities on the ground. For any further intervention at site, like resettlement of families and expansion of mine the land owners / encroachers are demanding for a decision on GM, GM JJ and Forest Land.

B. Adverse law & order situations –

- Coal extraction & other activities in Pakri-Barwadih mine being are under operation with the support of District administration. Many incidents of manhandling, work stoppage by villagers happened in past.

- Coal transportation is getting hampered by the villagers very often. On 15.07.18 (about 12:30 am) a group of armed men shot dead a driver and critically injured helper of a coal transportation vehicle. The matter was immediately brought to the notice of district administration and with their support situation was brought under control. Police is investigating it.

- Dist. Administration has also assured for patrolling on critical routes in night. Further support required from Dist. Administration and State Govt. for smooth functioning of operations.

C. Land acquisition for Railway & CHP Corridor for CB/KD IN CHATRA

- 195 acres of land required from 03 villages (Sesai, Kadamdari &Urda) in Chatra District.

- Land Notification & Land Award passed and land compensation deposited by NTPC Limited.

- Compensation Disbursement initiated by District Authorities but disbursement is very slow as land owners are demanding compensation of structures existing on the land. During award preparation, it was seen by the Dist Auth. that land-owners were constructing temporary structures to avail additional benefits, so the same was rejected by the concerned official, however, few genuine cases was also left out in the process. A decision in this regard is required to be taken.

D. GM Land Transfer:

- Earlier for transfer of Government land only salaami was applicable. State Government has asked for lease rent and salami rent. NTPC/ M/o Power and State Government need to resolve the same.

  - Earlier, Government of Jharkhand, had imposed both *Salaami* and Lease rent for the transfer of Government (GM) land, thus making the land cost too high(as high as Rs 3-4 Crs per acre). Before that only *Salaami* was applicable.NTPC had taken up the issue with State Govt. of Jharkhand and appraised to MoP. And this issue was discussed in the review meeting of 'PRAGATI' on 28.09.2016.
  - Now, Government of Jharkhand has come out with an order (Sanctioned by PARMAT, wherein provisions for indexing on lease rent abolished, and the rates for lease rent and cess lowered. However, in some villages the effective land rate is still on higher side

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if compared with the existing private land rate. Further as per letter dated 25.03.2017 of DC, provisions of Sankalp dated 03.01.2017 of GOJ is not applicable for Rajyadesh issued prior to 03.01.2017, therefore it will result into higher outgo from NTPC on account of Govt Land.

- **In the meeting to review operationalization of coal mines of Jharkhand by Secretary (Coal) GoI held on 02.06.2017 the issue was reviewed in presence of Chief Secretary, Jharkhand. Jharkhand Govt.**

Further, this issue was discussed with Hon'ble Chief Minister of Jharkhand on 23.09.2017, State Government assured to look into the issue pertaining to coal blocks of NTPC and resolve the matter by November 2017

E. STAGE-II Forest Clearance of Kerendari

- Stage-I forest clearance (FC) was accorded by MoEF & CC on 01.02.2012.
- Compliance of stage-I forest clearance submitted by NTPC on 22.02.2012.
- First time query raised by MOEF&CC on 26.11.2015- regarding reply to the compliance of Stage-I Forest clearance.
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- Second time query raised by MoEF&CC on 23.06.2017, asked for some more clarifications from Principal Secy. (Forests), Govt of Jharkhand, Ranchi. Proposal forwarded to Addl. Chief Secy(Forest) on 26.11.2017. Some clarification asked by Addl. Chief Secy.(Forest) were cleared by Principal Secy. (Forests) on 29.12.2017.
- Further some clarification asked by Addl. Chief Secy.(Forest) regarding wild life board approval on 05.01.2018. Query raised were replied by Special Secy.(Forest) on 02.02.2018.
- **MOEFCC vide letter dt. 28.06.16 again raised a query regd. Compensatory afforestation area. Query to be complied by DFO, Hazaribagh.**

F. Construction of Two nos of 220 KV DC Transmission line

- PTPS, Patratu to Pakri Barwadih
  - ✓ Total lenth 36 Kms @ area 69.291 HA
  - ✓ Proposal PF/JHTRANS/22424/2016 initiated on 25.02.2017
  - ✓ Proposal is pending due to FRA of protected forest land and GM-JJ land and NOC of GM – JJ Land
  - ✓ Gram Sabha completed
  - ✓ Gram sabha proceeding submitted by CO to DC/SDO Ranchi on 14.05.2018
  - ✓ DC office yet to grant FRA.

- Pakri Barwadih to Chatti Bariatu
  - ✓ Total area 46.25 HA
  - ✓ Proposal FP/JH/TRANS/23704/2017 initiated on 27.01.2017
  - ✓ REC presentation held on 27.06.18 and In-principle approval has been accorded for stage I clearance. NPV demand to be raised by DFO, Hazaribagh for further processing.

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सत्यमेव जयते

No. 11/43/2018-Th-II
Government of India
Ministry of Power

Shram Shakti Bhawan, Rafi Marg,
New Delhi, Dated: 17.08.2018

Meeting Notice

Subject: Land issues of NTPC Ltd. and DVC pending with State Govt. of Jharkhand – Regarding.

The undersigned is directed to say that Smt. Archana Agrawal, Joint Secretary (Thermal), Ministry of Power will take a meeting to discuss the land related issues of NTPC Ltd. and DVC pending with State Govt. of Jharkhand on 22.08.2018 at 2.00 A.M. in Committee Room, 2nd Floor, Ministry of Power, S.S. Bhawan, Rafi Marg, New Delhi. Lists of pending issues of NTPC Ltd. and DVC are enclosed herewith.

2. It is requested to kindly make it convenient to attend the meeting.

Encl: As above.

17.08.2018

(Chandan Kumar)
Section Officer (Th)
Telefax: 23719710

(i) Chief Secretary, Govt. of Jharkhand, 1st Floor, Project Building, Dhurwa, Ranchi - 834004 (with request to depute a suitable officer concerned with the issues.)
(ii) Chairperson, Central Electricity Authority, Sewa Bhawan, R.K. Puram, New Delhi.
(iii) CMD, NTPC Ltd., Scope Complex, Lodhi Road, New Delhi.
(iv) Chairman, Damodar Valley Corporation, DVC Headquarters, DVC Towers, VIP Road, Kolkata - 700054.

Copy to: PS to JS (Th) / PA to Director (Th)/ PA to US (DVC) / PA to US (Th) M/o Power.

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DVC

Status of Tubed coal block

Sl. No.	Clearances/ approvals	Present Status
1	**Land acquisition**	Notification under section 9(1) of CBA Act issued on 02.07.2018 by MoC, GoI declaring acquisition of 1136.66 Acres of land of total coal block area. Notification under section 11(1) of the CBA Act shall be submitted to MOC, GOI for transfer of the said land to DVC.
2	**Rehabilitation & Resettlement**	Application for SIA study submitted to District Authority. Socio-Economic survey of PAF and PAP shall be conducted by District Authority to finalize the R&R package.

Issues related to Government of Jharkhand

1. **Related to Land acquisition** :
   a) Conducting Social Impact Assessment (SIA) Study, finalisation and approval of Rehabilitation & Resettlement Package: Application for SIA study and R & R package submitted to District Authority on 27.06.2018.
   b) Fixation of compensation price of land acquired.
   c) GM Land for R & R colony.
2. **Related to Forest Clearance**: For early commencement of the project, procedure for Forest Clearance is required to be speed up.

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अजय भल्ला
सचिव
भारत सरकार
AJAY BHALLA
Secretary
Government of India



Ministry of Power
Shram Shakti Bhawan
New Delhi - 110001

विद्युत मंत्रालय
श्रम शक्ति भवन
नई दिल्ली–110001
Tele : 23710271/23711316
Fax : 23721487
E-mail : secy-power@nic.in

D.O. No. 1/7/2017-Th-I

January 14, 2019

Dear

NTPC Ltd. has been allocated 03 Coal Blocks by the Government of India, namely, Pakri-Barwadih, Chatti-Bariatu & Chatti-Bariatu (South) and Kerandari coal blocks, located in Hazaribagh Distt. of Jharkhand. Additionally, Banhardih coal block (Latehar Distt., Jharkhand), is also allocated to M/s. Patratu Vidyut Utapadan Nigam Ltd. (PVUNL). PVUNL, a JV company incorporated between NTPC and Government of Jharkhand.

2. Coal production has already commenced in Pakri-Barwadih in December, 2016. As informed by the NTPC Ltd., with the support from State Govt., NTPC has been able to extract about 7.6 million tons of coal from this mine. In other mines, various mine development activities are also going on.

3. During the Quarterly Performance Review of NTPC, it informed that land acquisition is going on at a slow pace in the coal mines of NTPC located in Hazaribagh Distt. Delay in R&R award to the villages and rehabilitation of the villagers, in the immediate vicinity of the operating mines, is creating bottlenecks to progress of mining activity as per the plan. The issues, highlighted by the NTPC Ltd., are enclosed at **Annex-A**.

4. In order to operate the mines on sustainable basis, land acquisition and rehabilitation of PAPs is required to be carried out matching with the mine progress/ plan. I would, therefore, request you that you may please review the matter at your level to expedite the pending land acquisition and R&R issues, so that planned production from these mines can be maintained. It is also requested that such reviews may be held at regular intervals where NTPC can flag its concerns.

Yours sincerely,

Sd/-
(A. K. Bhalla)

Shri Sudhir Tripathi
Chief Secretary,
Govt. of Jharkhand
1st Floor, Project Building,
Dhurwa, Ranchi - 83400

Copy to :

Shri Gurdeep Singh, CMD, NTPC Ltd., Scope Complex, Lodhi Road, New Delhi.

(A. K. Bhalla)

RIGHT TO INFORMATION

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Date: 2025.06.25 14:23:24 IST
Reason: AGM(Commercial)
Location: NTPC Limited

Issues to be taken up with Govt. of Jharkhand

1. Resettlement of villages

For progression of the mine area, there is an urgent need for resettlement of villages pertaining to Pakri-Barwadih mines, around 200 homestead oustees of three villages [Chirudih, Itiz (part), Urub] in Barkagoan Block on priority.

2. Encroachers on GM/GM-JJ land

Government of Jharkhand and Hazaribag District Administration have decided to go for eviction of encroachers (less than 30 years) from GM land/GM-JJ/ forest land.

3. Law & Order Situation

- In an incident on 15.12.18 at Pakri-Barwadih, 10 coal carrying trucks enroute Banadag Rly siding were set on fire by one maoist group.
- Earlier, on 03.11.18, miscreants set ablaze 4 volvo dumpers and 1 JCB near mine area in Itiz and threatened workers with dire consequences.

4. Land acquisition for CHP Corridor for CB/KD in Chatra:

- 195 acres of land required from 03 villages (Sesai, Kadamdari & Urda) in Chatra district.
- Land is yet to be made available for CHP Corridor for CB / KD in Chatra Distt.

5. GM Land Transfer / Salami & Lease rent

- Regarding the issue of salami and lease rent wrt the revised GoJ circular dated 24.10.14 and circular dated 03.01.17, as requested by NTPC for higher financial implication in its Pakri-Barwadih, Chatti-Bariatu & Kerandari coal mining projects,
- Hon'ble CM has asked Revenue Department to examine for implementation of 03-01-17 circular after seeking legal opinion at the earliest.

6. Stage II Forest Clearance of Kerendari

- Wild Life Management plan is under approval since July'2017 with GoJH.

7. Construction of two no's of 220KV DC transmission line:

PTPS, Patratu to Pakri-Barwadih portion (36 km & area 69.291Ha)

- Forest clearance awaited.

Pakri-Barwadih to Chatti-Bariatu portion (21 km & area 46.25Ha)

- Working permission and Stage- II forest clearance awaited.

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ANNEXURE III

Minutes of the Meeting Between NTPC and GOJ
(Interim)

Dated 17/11/2020

Mining activities in Pakri Barwadih were stopped by agitating local villagers in the month of July 2020 from 7th July to 23nd July and again from 2nd September onwards on account of various demands such as land compensation, R&R benefits, employment etc. Govt of Jharkhand constituted a committee vide *Adhisuchna* No. 293 dated 22/07/2020 to look in to the issues of Compensation and R&R benefits raised by Project affected villagers. Parallelly, efforts were on by both GoJh and NTPC at various levels to resolve the issues.

NTPC expressed that compensation towards land acquisition and R&R benefits being extended by NTPC in Pakri Barwadih and other mines of NTPC in Hazaribag Dist. is as per *Sankalp* No 116 dated 27.02.2013 of Government of Jharkhand. Finally, after series of deliberations, a broad consensus has emerged on the proposals as follows:

1. NTPC has agreed in principle with the proposal to consider additional land compensation over and above the present rate of Rs 20 Lakh per acre on account of the delayed payment and devaluation of money @ 4% per annum i.e. Rs.4 Lakh (Rs. Four lakhs) per acre prospectively.
2. NTPC has also agreed, in principle, to give indexation to R&R benefits being offered to PAFs as mentioned in *Sankalp* (and amended subsequently in December 2018) , which comes out to Rs 1 Lakh/PAF, prospectively.
3. Sl. No. 1 and 2 above shall be applicable only for fresh cases where no payment for land or R&R benefits has been made.
4. The proposal to enhance annuity requires detailed examination and further deliberations because of its complex nature due to various factors including involvement of external service provider like LIC. Therefore NTPC will come back to GoJh in approximately 3 months time after detailed examination.

NTPC requested that GoJh may please extend necessary support to restart mining operations in Pakri Barwadih mine of NTPC. It was also requested that GoJh may please extend necessary support to ensure that mining operations are not interrupted henceforth by the villagers.

This interim MOM is being issued for the purpose of communicating the broad consensus reached. The detailed MOM covering background and factual position along with necessary supporting documents shall be issued in due course. Subsequently, NTPC will obtain approval of competent authority, following due process, to implement the above mentioned agreed proposals and will inform GoJh.

ED- PB, CB, Badam CMP
(NTPC Representative)

Dy. Commissioner, Hazaribag
(GoJ Representative)

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Reason: AGM(Commercial)
Location: NTPC Limited

झारखण्ड सरकार
खान एवं भूतत्व विभाग

अधिसूचना

संचिका सं0–ख0नि0(नीति)–01 / 2025 / ...940... एम०, दिनांक–...05/04/2025... झारखण्ड गजट असाधारण अंक झारखण्ड सरकार द्वारा प्रकाशित गजट संख्या–135, राँची, गुरूवार 20 मार्च, 2025 के अनुपालन में खान एवं भूतत्व विभाग द्वारा झारखण्ड राज्य अन्तर्गत अवस्थित विभिन्न कोलियरी द्वारा माह मार्च, 2025 में प्रेषित कोयले के आधार पर भारित औसत बिक्री मूल्य माह **अप्रैल, 2025** से अगले आदेश तक Power/Regulated Sector को प्रेषित किये जाने वाले कोयले के लिए निम्नरूपेण निर्धारित की जाती है :–

Grade wise Average Sale Price of Coal

Coal Grade	Avg. Unit Price (In Rs.)
G3	6475.27
G4	5679.37
G5	4655.11
G6	4689.81
G7	3819.46
G8	3569.27
G9	2019.29
G10	1592.38
G11	1542.49
G12	1574.74
G13	1500.38
G17	765.53
Washery-I	5193.65
Washery-II	4458.35
Washery-III	3725.77
Washery-IV	2811.53
Washery-V	2496.32
Washery-VI	2575.53
Steel Grade II	5391.68

नोट :– **i.** उपरोक्त वर्णित भारित औसत बिक्री मूल्य स्वामिस्व एवं अन्य वैधानिक शुल्क को छोड़कर है।

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ii. सभी जिला खनन पदाधिकारी को निदेश है कि निर्धारित भारित औसत बिक्री मूल्य के आधार पर Power/Regulated Sector को प्रेषित किये जाने वाले कोयले पर नियमानुसार स्वामिस्व की गणना एवं वसूली करना सुनिश्चित करेंगे।

झारखण्ड राज्यपाल के आदेश से,

(अरवा राजकमल)
सरकार के सचिव

ज्ञापांक– 940 /एम0, राँची, दिनांक– 05/04/2025

प्रतिलिपिः– अधीक्षक, राजकीय मुद्रणालय, राँची को सूचनार्थ प्रेषित।

अनुरोध है कि राजपत्र के आगामी अंक में प्रकाशित इसकी 100 प्रतियाँ विभाग को उपलब्ध कराया जाय।

सरकार के सचिव

ज्ञापांक– 940 /एम0, राँची, दिनांक– 05/04/2025

प्रतिलिपिः– सभी विभागाध्यक्ष/सभी प्रमण्डलीय आयुक्त/खान आयुक्त, खान एवं भूतत्व विभाग, झारखण्ड, राँची/सभी उपायुक्त/निदेशक, खान/निदेशक, भूतत्व/सभी अपर निदेशक, खान/भूतत्व/सभी उप निदेशक, खान/सभी जिला/सहायक खनन पदाधिकारी/सभी सहायक निदेशक, भूतत्व/सचिव, खान एवं भूतत्व विभाग, झारखण्ड के प्रधान आप्त सचिव को सूचनार्थ एवं आवश्यक कार्रवाई हेतु प्रेषित।

सरकार के सचिव

ज्ञापांक– 940 /एम0, राँची, दिनांक– 05/04/2025

प्रतिलिपिः–अध्यक्ष–सह–प्रबंध निदेशक, सर्वश्री सी०सी०एल०/बी०सी०सी०एल०/ई०सी०एल०/एन०टी०पी०सी०/डी०भी०सी०/पी०एस०पी०सी०एल०/डब्लू०बी०पी०डी०सी०एल०/स्टील ऑथोरिटी ऑफ इंडिया लि०/टाटा स्टील एवं झारखण्ड राज्यान्तर्गत संचालित अन्य सभी कोयला कम्पनियों को सूचनार्थ एवं आवश्यक कार्रवाई हेतु प्रेषित।

अनुरोध है कि अपने अन्तर्गत संचालित कोयला खनन परियोजनाओं से Power/Regulated Sector को प्रेषित किये जाने वाले कोयले पर स्वामिस्व का भुगतान निर्धारित भारित औसत बिक्री मूल्य के आधार पर करना सुनिश्चित किया जाय।

सरकार के सचिव

ज्ञापांक– 940 /एम0, राँची, दिनांक– 05/04/2025

प्रतिलिपिः– अपर मुख्य सचिव, मुख्यमंत्री सचिवालय, झारखण्ड/प्रधान सचिव–सह–विधि परामर्शी, विधि विभाग, झारखण्ड/अपर मुख्य सचिव/प्रधान सचिव/सचिव, वित्त विभाग, झारखण्ड/मंत्रिमंडल सचिवालय एवं समन्वय विभाग, झारखण्ड/ राजस्व निबंधन एवं भूमि सुधार विभाग, झारखण्ड, राँची/संयुक्त सचिव, मुख्य सचिव कार्यालय, झारखण्ड को सूचनार्थ प्रेषित।

सरकार के सचिव

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Reason: AGM(Commercial)
Location: NTPC Limited

ANNEXURE-P/26

File No. 103/29/2015/NA
Government of India
Ministry of Coal
Nominated Authority
****

R.No. 120, F-Wing, Shastri Bhawan,
New Delhi, Date: 30th Sept 2024

To,
The Chief Executive Officer,
NTPC Mining limited,
NTPC Bhawan, Scope Complex, 7 Institutional Area,
Lodhi Road, New Delhi-110003

Subject: Escalation of Reserve Price for Kerandari coal mine allocated to M/s NTPC Mining limited under the Coal Mines (Special Provisions) Act, 2015.

Sir,

I am directed to inform that as per clause 9.2 of Allotment Agreement executed between the Nominated Authority & M/s NTPC Mining Ltd., wherein reserve price will be subjected to annual escalation based on a pre-specified formula stipulated in the relevant Standard Bidding Document for Design, Build, Finance, Own, and Operate (DBFOO). The provisions for escalating the reserve price for mines allocated to the Power sector under the CM (SP) Act 2015 are as under:

a. The Reserve Price for mines allotted to the Power sector is fixed at ₹ 100 per Tonne of coal.

b. The pricing for auctioned mines comprises a Fixed Rate of ₹ 100 per Tonne of coal, alongside the Bid Price, which represents the final price offered by the Bidder in reverse bidding.

c. As specified in Clause 9.2.1 of the Allotment Agreement, the Reserve Price will be increase annually corresponding to the percentage rise in the Reference Index, as per the pre-specified formula. This escalation is applicable after the issuance of the Allotment Order.

d. Clause 22.2.3b of the DBFOO document further clarifies that the cost of Fuel procured from Coal Mine/Blocks will increase annually at a compounded growth rate of 2%. This increase is based on a formula that factors in fluctuations in the Wholesale Price Index (WPI) between specific dates.

2. Adhering to the instructions stipulated in Clause 9.2.1 of the Allotment Agreement and Clause 22.2.3b of the DBFOO document, the escalation of the Reserve Price has been carried out with consideration to the following factors:

- The Wholesale Price Index (WPI) of all commodities is adopted for coal mines allocated to the Power sector under the CM(SP) Act, 2015.
- For the first year of production, the Reserve Price is escalated to reflect a 60% increase in the Wholesale Price Index (WPI) [Reference Index

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- For subsequent financial years, an annual compounded rate of 2% is applied, in addition to the escalation needed to reflect the 60% WPI change.
- For calculating the escalation in the following financial year, the escalated price from the immediately preceding year is taken into account.
- The Reserve Price/FPO (Fixed Price Offer) shall increase on a year-on-year basis according to the percentage change in the Reference Index. It is important to clarify that, for the purpose of escalation in subsequent financial years, the escalated Reserve Price/FPO of the immediately preceding year is considered. The formulas for the escalation of Reserve Price for mines allocated to the Power sector under the CM(SP) Act, 2015, are as follows:

a) Formula for the first year of production:

Escalated Price for the 1st year = (Reserve price or FPO) * (1 + ((Percentage change in WPI / 100) * 0.6))

b) Formula for subsequent years:

Escalated Price from the 2nd year onwards = Escalated Reserve Price or FPO of the Previous year * (1 + 0.02) * (1 + ((Percentage change in WPI / 100) * 0.6))

3. Considering the above and in accordance with Clause 9.2.1 of the Allotment Agreement, Monthly Payment for coal extracted from the mines will be subject to an annual escalation, based on the Wholesale Price Index (WPI) (the "Reference Index"). The Monthly Payment will increase by the percentage growth in the WPI on a year-on-year basis. Accordingly, the escalated Reserve Price applicable for FY 2023-24 & 2024-25 for Kerandari coal mine, is tabulated as below:

Name of Mine	**Kerandari**	**Allottee**	**Vesting Date: 08-09-2015**	**PRC 6 MT/Annum**
SL No	**Escalated Reserve Price Applicable for FY**	**Applicable WPI (Base Year 2011-12) for the month of march of Previous FY**	**Methodology for calculation of reserve price**	
			Change in % WPI	Escalated Reserve price
A	**B**	**C**	D	E
Vesting Year	2015-16			100.00
	2023-24	151.00	40.20	**124.12**
	2024-25	151.4	0.26	**126.81**

4. In view of the above, M/s NTPC Mining Limited is requested to make monthly payments for the FY2023-24 & 2024-25 to the State Govt. accordingly.

Yours faithfully,

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Location: NTPC Limited

Signed by
Alok Verma
Date: 30-09-2024 11:10:25

(Alok Verma)
Under Secretary to the Government of India
Tel: 011-23384106

Copy to:-

1. The Chief Secretary, State Government of Jharkhand
2. Secretary Mines/Director Mines State Government of Jharkhand

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Reason: AGM(Commercial)
Location: NTPC Limited

PROJECT AGREEMENT

FOR

DEVELOPMENT AND OPERATION

OF

KERENDARI A COAL BLOCK, STATE OF JHARKHAND, INDIA

BETWEEN

M/s. NTPC LIMITED ("OWNER")

AND

M/s. BGR MINING & INFRA LIMITED ("MINE OPERATOR")

VOLUME – 1 OF 3

AGREEMENT NO : CS-7012-602(R6)-9-CS-PA-7265

Date: 08.02.2023

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shall employ and engage all the manpower required to perform his duties under the terms of this Agreement, including all statutory manpower like Safety Officer, Surveyor (head) and Blasting Overman / Foreman, Mining Sirdar, etc, as required by Law or directed by Director General of Mines Safety (DGMS) but not limited to supervision of mine operations, safety, discharging statutory duties and providing all supporting to the statutory manpower appointed by Owner in discharging their duties. All the employees and manpower engaged by Mine Operator shall be competent as per The Occupational Safety, Health and Working Conditions Code, 2020, the Coal Mines Regulation, 2017, as may be directed by DGMS from time to time and other Applicable Laws for discharging their duties in safe and efficient manner. Any commercial, financial, legal or other implication arising out of such acts and appointments shall be responsibility of Mine Operator except salaries of the Owner's Statutory Manpower and have been considered in Mining Fee.

The Mine Operator shall, appoint a manager for the Site who shall be competent as per The Occupational Safety, Health and Working Conditions Code, 2020, Coal Mines Regulation 2017 and shall act as Mine Operator's Project Manager who, for the avoidance of doubt shall assume the entire responsibility for all activities involved in development and operation of Kerendari 'A' Coal Mine

Notwithstanding, the appointment of the Manager, the Agent and other officials by Owner, the Mine Operator and its personnel shall continue to be responsible and liable for compliance with Applicable Laws. In any event the liability and responsibilities of the Mine Operator shall be no less than that of Agent and Manager.

7.6 Submission of Annual audited Financial Statement towards progressive Mine Closure Activities

The Mine Operator shall submit to the Owner the annual financial statement of cost incurred towards progressive mine closure activities duly certified by National Environmental Engineering Research Institute (NEERI) or Central Mine Planning & Design Institute Limited (CMPDIL) or any other institute as may be notified by the Government for these purpose to an acceptable level by the Coal Controller. Mine Operator shall have to comply with the requirements of the concerned authorities to enable NTPC to claim maximum eligible refund, annually, from Coal Controller.

7.7 -Deleted-

7.8 NTPC have entered into an Agreement with Govt. of India (hereinafter called Allotment Agreement) for allocation of Kerandari Coal Block dated 30.03.2015. The copy of the same is enclosed as Schedule-17 of this Project Agreement. The Mine Operator confirms that it has read and understood the terms of the allotment agreement dated 30.03.2015 entered into between Government of India and NTPC ("Allotment Agreement"). The Mine Operator further agrees and undertakes that it shall observe and comply with the terms and conditions of the Allotment Agreement, and shall ensure that their sub-Contractors, if any, observe and comply with the terms and conditions of the Allotment Agreement.

The Mine Operator shall be responsible & liable for achieving the milestones for development of Kerendari 'A' Coal Block and also for the guaranteed coal production. Failure to adhere to the milestone(s)/ guaranteed production and/or if any penalty is imposed and/or Bank Guarantee required to be submitted by Owner

धीरेन्द्र मिश्रा / Dheerendra Mishra
वरिष्ठ प्रबन्धक (संविदा सेवाएं)
Sr. Manager (Contract Services)
एनटीपीसी लिमिटेड / NTPC Limited
EOC, A-8A, Sector-24, NOIDA-201301 (U.P.)

For BGR Mining

Director

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is encashed /appropriated, it shall be to the Mine Operator's account provided it is due to the default on account of Mine Operator. Further all responsibilities for adhering to the terms and conditions specified by the MoC, GoI or State Authorities for allotment of the Kerendari 'A' Coal Block shall be that of the Mine Operator only to the extent the same falls under the scope of services of Mine Operator as specified in this Project Agreement.

In case of default on part of NTPC under the provisions of Allotment Agreement due to reasons attributable to Contractor/MDO, which inter alia attracts any Penalty on NTPC and/or appropriation of Performance Security furnished by NTPC to Govt. of India and/or termination of the Allotment Agreement, the Contractor/MDO shall be also liable for such Damages/penal actions imposed on NTPC, on back to back basis. The provisions regarding termination as defined in Allotment Agreement, if so invoked by Govt. of India, shall also be applicable to this Project Agreement.

Start of coal production during Development Stage through Interim Arrangement as envisaged at Clause 8.5 shall be a date before 360 days from Commencement Date plus any extension in accordance with Clause 8.3(b).

धीरेन्द्र मिश्रा / Dheerendra Mishra
वरिष्ठ प्रबन्धक (संविदा सेवाएं)
Sr. Manager (Contract Services)
एनटीपीसी लिमिटेड / NTPC Limited
EOC, A-8A, Sector-24, NOIDA-201301 (U.P.)

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Reason: AGM(Commercial)
Location: NTPC Limited

For BGR Energy Systems Limited
V. Sudhakar Reddy
Director

15.6.5 Gross Calorific Value

a) The mine operator shall deliver coal as per the grade declared by coal controller for the particular year. For determination of GCV of the coal to be delivered by the MDO, average of lower and upper limits of GCV of the declared grade shall be considered.

b) In the event the Mine Operator delivers coal having lower GCV as described in Clause 15.6.5 during any particular month, the Mine Operator shall compensate the Owner for Shortfall in GCV in accordance with the formula set forth below

Adjustment in Mining Fee = 1.8* MF_{Total} *(G-Gn)/G

Where,

MF_{Total} = Total Escalated Mining Fee per Tonne of coal for n^{th} Operating year as per Schedule 11 of Project Agreement

Gn= weighted average GCV received at KD-TP1 (Crusher Output) in that particular month

G is average of lower and upper limits of GCV of the declared grade by coal controller for the particular year

c) However no additional payment shall be made to the Mine Operator in case Mine Operator delivers coal having higher GCV as described in Clause 15.6.5 during any particular month.

15.7 Strip Ratio (OB-Coal Ratio)

15.7.1 Quantity of Overburden removal

(a) The Mine Operator shall remove overburden in accordance with the Strip Ratio specified in the AAPP.

(b) The Mine Operator is expected to maintain mine shape and ensure safety in accordance with Directorate General of Mine Safety ("**DGMS**") requirements and updated Mining Plan and Geological Model. In the event that the shape of the mine violates the DGMS requirements, the Owner shall have the right to ask the Mine Operator to suspend coal production and remedy the mine shape in which case the shortfall in coal production shall be the responsibility of the Mine Operator and shall be dealt in accordance with relevant Clauses of this Agreement.

(c) Mine Operator shall at all times employ Good Industry Practice to maintain safe slopes of the pit highwalls; low-walls; ramps; roads and mining benches such that rocks and loose material will not roll down and endanger persons; equipment and livestock that might be located at lower elevations. Where required, Mine Operator shall establish sufficient "catch benches" and safety berms.

(d) Furthermore, the slopes of the pit highwalls; low-walls; ramps; roads and mining benches shall be in accordance with all regulations, requirements and guidelines of DGMS.

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वरिष्ठ प्रबन्धक (संविदा सेवाएं)
Sr. Manager (Contract Services)
एन टी पी सी लिमिटेड / NTPC Limited
EOC, A-8A, Sector-24, NOIDA-201301 (U.P.)

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Page 64
For BGR Mining & Infra Limited
Digitally signed by PARIMAL PIYUSH
Date: 2025.06.26 14:23:24 IST
Reason: AGM(Commercial)
Location: NTPC Limited
K. Sudhakar Reddy
Director

15.7.2 Period of Measurement of Overburden

(a) There shall be joint survey of quantity of overburden removed on quarterly basis at the end of each calendar quarter.

15.7.3 Basis for Measurement of Overburden

(a) A surface contour map for the mine area mutually accepted and signed by the Owner and the Mine Operator, prepared before the commencement of any mining operations, shall form the basis for measurement. The method of measurement shall be as specified in Schedule 9.

15.7.4 Shortfall in Strip ratio

(a) In case for a quarter the Strip Ratio is lower than that specified in AAPP, the Owner shall have the right to adjust Mining Fee by way of credit notes / supplementary bills specified at Clause 16.4. The adjustment in Mining fee shall be as follows:

For the first quarter of the Operating Year "n"

MFnesc= Escalation on Mining Fee per Tonne of coal to be calculated as per detailed in the formula below:

$$MF_{nesc} = (MF_n) \times \left(F + a \times \frac{A_n}{A_o} + b \times \frac{B_n}{B_o} + c \times \frac{C_n}{C_o} + d \times \frac{D_n}{D_o} + e \times \frac{E_n}{E_o} + p \times \frac{P_n}{P_o} + l \times \frac{L_n}{L_o} + w \times \frac{Wn}{W0}\right) - (MF_n)$$

Refer Amendment No. 03 to Bidding Doc

A, B, C, D, E, P, L & W refers to the indices as per Schedule 11 of the Project Agreement

MFn = Quoted Mining Fee per tonne of coal produced for average Strip Ratio of **4.41.**

MFne= MFn + MFnesc

n= n^{th} operating year

SR_n = the Strip Ratio (rounded upto 2 decimals) for the Operating Year "n" as specified in AAPP.

SR_{n1} = the Actual Strip Ratio for the 1st quarter in Operating Year "n" measured and rounded upto 2 decimals.

OB_{p1} = Amount to be recovered from the Mine Operator for shortfall in OB removal during the first quarter.

SR_0 = The Base Strip Ratio for the term of the Agreement fixed at 4.41

OB_{p1} = { $\mathbf{MF_{ne\ (av1)}}$ x 0.9 x (SR_n - SR_{n1}) / (1+ SR_0)} x (DQ_{Apr}+ DQ_{May} + DQ_{Jun})

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For BGR Mining Infra Limited
T. Sudhakara Reddy
Director

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Where, $\mathbf{MF_{ne\ (av1)}}$ is the weighted average of Mining Fee for the first quarter of Operating year "n".

For the second quarter of the Operating Year "n"

SR_{n2} = the Actual cumulative Strip Ratio till the end of that quarter (April to September) in year "n" measured and rounded upto 2 decimals.

OB_{p2} = Amount to be recovered from / paid to the Mine Operator for shortfall in OB removal during 2nd quarter.

$OB_{p2} = \{ \mathbf{MF_{ne\ (av2)}} \times 0.9 \times (SR_n - SR_{n2}) / (1+ SR_0)\} \times (DQ_{Apr} + DQ_{May} + DQ_{Jun} + DQ_{July} + DQ_{Aug} + DQ_{Sep}) - OB_{p1}$

Where, $\mathbf{MF_{ne\ (av2)}}$ is the weighted average of Mining Fee during first and second quarter.

For the third quarter of the Operating Year "n"

SR_{n3} = the Actual cumulative Strip Ratio till the end of that quarter (April to December) in year "n" measured and rounded upto 2 decimals.

OB_{p3} = Amount to be recovered from / paid to the Mine Operator for shortfall in OB removal during 3rd quarter.

$OB_{p3} = \{ \mathbf{MF_{ne\ (av3)}} \times 0.9 \times (SR_n - SR_{n3}) / (1+ SR_0)\} \times (DQ_{Apr} + DQ_{May} + DQ_{Jun} + DQ_{Jul} + DQ_{Aug} + DQ_{Sep} + DQ_{oct} + DQ_{Nov} + DQ_{Dec}) - (OB_{P1}+OB_{P2})$

Where, $\mathbf{MF_{ne\ (av3)}}$ is the weighted average of Mining Fee during first, second and third quarter.

For the fourth quarter of the Operating Year "n"

SR_{n4}= the Actual cumulative Strip Ratio till the end of that quarter (April to March) in year "n" measured and rounded upto 2 decimals.

OB_{p4} = Amount to be recovered from / paid to the Mine Operator for shortfall in OB removal during 4th quarter.

$OB_{p4} = \{ \mathbf{MF_{ne\ (av4)}} \times 0.9 \times (SR_n - SR_{n4}) / (1+ SR_0)\} \times (DQ_{Apr} + DQ_{May} + DQ_{Jun} + DQ_{Jul} + DQ_{Aug} + DQ_{Sep} + DQ_{oct} + DQ_{Nov} + DQ_{Dec} + DQ_{Jan} + DQ_{Feb} + DQ_{Mar}) - (OB_{P1}+OB_{P2}+OB_{p3})$

Where, $\mathbf{MF_{ne\ (av4)}}$ is the weighted average of Mining Fee during first, second, third and fourth quarter.

The cumulative Strip Ratio till the end of last quarter (e.g. SR_{n4} till the end of 4th Quarter) shall not be considered higher than the Strip Ratio for the Operating Year "n" specified in AAPP (SR_n) in the above formula.

(b) The initial box cut OB removed by the Mine Operator has been taken care in the specified Strip Ratio of the First Operating Year.

15.7.5 Excess Removal

In case for a calendar quarter the cumulative Strip Ratio (Total OB removed during the Operating Year till the end of that calendar quarter / Total Coal supplied during the

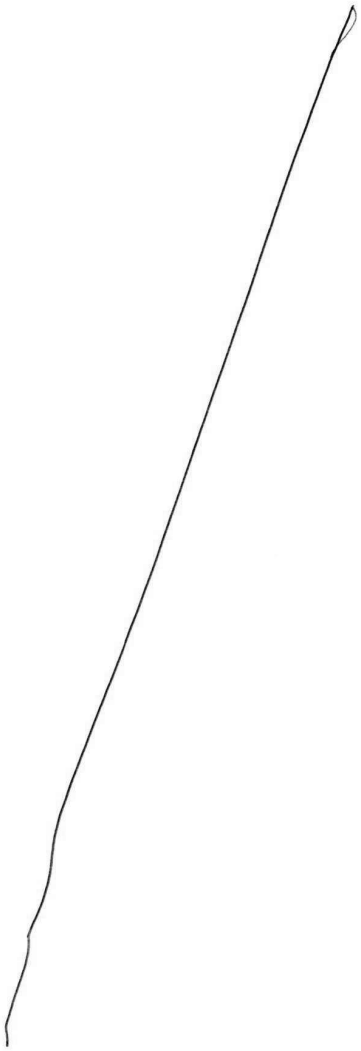
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Reason: AGM(Commercial)
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Director

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Operating year (DQ) till the end of that quarter) is higher than that specified in AAPP, no additional payment shall be made for the excess quantity of overburden. However, such excess quantity shall be adjustable in the succeeding quarters of that operating year. Further the excess quantity of overburden over & above the strip ratio for the last quarter of the Operating Year shall be allowed to be carried forward to the succeeding Operating Year and shall be adjusted in the AAPP in such operating year except for the quantity which has been paid for on account of latent condition and subject to fulfillment of all conditions as per AAPP and any agreed modification thereof.

15.7.6 Genuine Pre-estimate

The deductions/adjustments/payments referred to in Clauses 15.6 and 15.7 are in the nature of liquidated damages and the Parties agree that such amounts represent the genuine pre-estimate of damages that the Owner may suffer on account of related defaults.



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For BGR Mining & Infra Limited

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Location: NTPC Limited

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Schedule 9 - Method of Measurement of OB

1. START UP SURVEY

The Mine Operator shall undertake a ground surface contouring survey in association with the Owner to firm up the profile of the ground before starting the mining operation

2. ROUTINE SURVEYS

Refer Amendment No. 02 to Bidding Document

The Mine Operator shall undertake the End- of- Quarter Surveys & Interim Surveys as described below:

End-of-Quarter Surveys

At the end of every quarter the Owner and the Mine Operator shall conduct joint ground surveys at the mine with the overall purpose of estimating all volumes of excavated coal; stockpiled coal; and excavated Overburden and topsoil.

Interim Surveys

To supplement the end-of-quarter surveys, the Owner and the Mine Operator shall conduct joint interim ground surveys at the mine to sufficiently record interim data regarding excavation activities. This data will be incorporated into the survey data base used to estimate the end-of-quarter excavated volumes of coal and overburden. The interim surveys shall be carried out atleast once in every month.

In particular, the upper surfaces ("coal top") of all coal exposed by Overburden/ interburden removal activities shall be surveyed.

3. SURVEY INSTRUMENTS

The survey instruments/ software may be a combination of any of the following after due consultation with the Owner:

a) Aerial surveying (where applicable)

b) Ground surveying using Total Station (where applicable)

c) Ground surveying using Global Positioning System (where applicable)

d) Terrestrial Laser Scanner

4. DETERMINATION OF VOLUMES

Volumes will be determined using inter alia:

a) Conventional commercially available surveying software; or

b) Mutually acceptable software that was purchased along with the surveying instruments used to perform the surveys; or

c) Mine planning software.

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For BGR Mining & Infra Limited
I. Sudhakara Reddy
Director

Overburden

Overburden quantities (in bank cubic meters) shall be derived from any or all of the above-mentioned Survey Instruments.

Interburden

Interburden quantities (in bank cubic meters) shall be derived from any or all of the above mentioned survey instruments, or from the Geological Model that was fully updated and current at the time of the actual end-of-quarter survey.

Excavated Coal

Coal volumes (in bank cubic meters) shall be derived from any or all of the above-mentioned survey instruments after taking into account the above-mentioned interburden.

The coal volumes may be converted to tonnes using a mutually-agreed factor for in-situ coal density.

Stockpiled Coal

The quantities of stockpiled coal (in loose cubic meters) shall be derived from any or all of the above- mentioned Survey Instruments.

The coal volume may be converted to tonnes using a mutually-agreed factor for loose coal density.

5. RECONCILIATION OF VOLUMES AND TONNAGES

As part of the end-of-quarter work, the Mine Operator shall:

a) Reconcile the measured volumes of overburden

b) Reconcile the estimated volumes of interburden from the Geological Model

c) Reconcile the measured volume of excavated coal against tonnes dispatched and changes in the amount of coal in stockpiles etc.

d) Estimate the "coal recovery factor" (i.e. the amount of coal mined/ dispatched vs. the volume of coal uncovered by the overburden/ interburden removal activities).

6. TIMING OF COMPLETED VOLUME AND TONNAGE ESTIMATION

All calculations and final estimations shall be submitted to the Owner no later than the 10th (calendar) day of the following quarter.

7. RIGHT OF REVIEW AND PARTICIPATION

Both the Owner and the Mine Operator have equal rights to review volumes/tonnages estimations and confirm the validity of the Geological Model.

For DGR Mining & Infra Pvt. Ltd.
Director

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8. Annual volume measurement both for quantity of coal and overburden and its reconciliation survey shall be carried out by third party in presence of surveyors of NTPC and MDO/Contractor. During rest of the period of year, the survey shall be done on joint ticket.

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Location: NTPC Limited

For BGR Mining & Infra Limited
I. Sudhakara Reddy
Director

Schedule 11 - Adjustments to Mining Fee for Strip Ratio and Escalation of Mining Fee.

1.0 Adjustment to Mining Fee for Strip Ratio

The Mining Fee as per the Project Agreement shall be adjusted for the Strip Ratio calculated in the AAPP for that Operating Year based on the revised Geological Model incorporating the infill drilling data. The adjustment in Mining Fee for the Strip Ratio shall be as under:

For Operating Year 1 to Operating Year 25 (and extended term, if any as specified at Clause 4.2);

Mining Fee adjusted for Strip Ratio

$$MF_{ns} = MF_n \times (0.1 + 0.9 \times \frac{(1 + SR_n)}{(1 + SR_o)})$$

Where,

Refer → Amendment No. 03 to Bidding Document

MF_n = Quoted Mining Fee per tonne of coal produced for average Strip Ratio of 4.41.

SR_0 = The Base Strip Ratio for the term of the Project Agreement i.e. 4.41.

SR_n= Strip Ratio for n^{th} Operating Year as specified in AAPP

MF_{ns} = Adjusted Mining Fee per tonne of coal for nth Operating year after adjustment for the Strip Ratio

2.0 Escalation on Mining Fee

The escalation on Mining Fee (after adjustment for the Strip Ratio, as brought above), shall be as per the following terms and the formula:

2.1 Components of Escalation

The details of different components of escalation are provided in the table below:

S.No.	Value of Coefficient	Description of coefficient	Source of Index/ Price
1	F = 0.20	Fixed	
2	a = 0.04	Other Stores	WPI series for "**All Commodities**" as published by the Office of Economic Advisor, Ministry of Commerce & Industry, Government of India **(Base Year: 2011-12 = 100)**

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For BGR Mining & Infra Limited
L. Sudhakara Reddy
Director

S.No.	Value of Coefficient	Description of coefficient	Source of Index/ Price
3	b = 0.04 to 0.08	Tyres	Monthly WPI series for "**Medium & Heavy Commercial Vehicle Tyre**" as published by the Office of Economic Advisor, Ministry of Commerce & Industry, Government of India (**Base Year: 2011-12 = 100**)
4	c = 0.14 to 0.20	Heavy Machinery and parts	WPI series for "**Mining, Quarrying & Metallurgical Machinery/parts"** as published by the Office of Economic Advisor, Ministry of Commerce & Industry, Government of India (**Base Year: 2011-12 = 100**)
5	*d = ...	Fuel	Arithmetical Average of Selling Price of bulk Diesel per litre inclusive of Taxes & Duties for the Project Site received from IOCL for a particular month.
6	e = 0.04 to 0.08	Explosive	WPI series for "**Explosive"** as published by as published by the Office of Economic Advisor, Ministry of Commerce & Industry, Government of India (**Base Year: 2011-12 = 100**)
8	*p=	Power	**"Power Tariff for High Tension Service**" as notified by Jharkhand State Electricity Regulatory Commission.
9	@ l= ...	Salaries and wages	"**All India consumer Price Index for industrial workers**" (All India monthly average) published by Labour Bureau, Simla, Government of India. (Base Year: 2016 = 100)
10	@ w=....	Salaries and wages	Arithmetical average of HPC wages for Unskilled, Semi-skilled, Skilled and Highly skilled category workers and other benefits, as per the recommendations of High Powered Committee appointed by Coal India Limited, Ministry of Coal, Govt. of India and the rates notified by the Coal India Limited from time to time.

- A, B, C & E refers to the published Price Indices of corresponding major cost components, as mentioned in the table above.

- P shall be the Power Tariff, as mentioned in the table above
- D shall be as mentioned in the table above. Prices applicable for Bulk Diesel during previous month shall be sought directly by Mine Owner from IOCL through their official mail at the start of each month.
- L shall be the Index for Labour, as mentioned in the table above
- W shall be the Index for Minimum Wages, as mentioned in the table above

@ Bidder have to indicate Value of Coefficients of Salaries and wages (l & w) keeping the sum i.e. l + w = 0.12;

* Bidder have to indicate Value of Coefficients of Fuel and Power (d & p)

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keeping the sum i.e. d+p =0.30 to 0.40; and

Bidder have to indicate Value of Coefficients of Tyres (b), Heavy Machinery and parts (c), Fuel (d), Explosive(e), and Power (p) keeping the sum i.e. F+a+b+c+d+e+p+l+w= 1.0

2.2 Periodicity of escalation (For Calculation and Payment purpose)

Quarterly basis

2.3 Escalation formula

The escalation on Mining Fee (after adjustment for the Strip Ratio) shall be determined as follows:

$$MF_{ns\,esc} = (MF_{ns}) \times \left(F + a \times \frac{A_n}{A_o} + b \times \frac{B_n}{B_o} + c \times \frac{C_n}{C_o} + d \times \frac{D_n}{D_o} + e \times \frac{E_n}{E_o} + p \times \frac{P_n}{P_o} + l \times \frac{L_n}{L_o} + w \times \frac{Wn}{W0}\right) - (MF_{ns})$$

Where,

n = n^{th} Operating Year (period counted as 1st April to 31st March) counted from the Coal Production Start Date.

MF_{ns}=Adjusted Mining Fee per Tonne of coal for nth Operating year after adjustment for the Strip Ratio

MF_{nsesc} =Escalation on Mining Fee per Tonne of coal to be calculated as detailed above

For the Indices / Prices, subscript 'o' refers to Indices/Prices as on 30 days prior to the date set for opening of Techno Commercial Proposals. Subscript 'n' refers to average of monthly Indices/Prices during the previous quarter.

The Payment throughout the ensuing Operating Year shall be made based on the adjusted Mining Fee for Strip Ratio and escalation. The actual quantities of coal and overburden shall be reconciled at the end of each Quarter to determine the actual Strip Ratio and the cumulative payments made till that Quarter to the Mine Operator shall be adjusted.

3.0 Total Mining Fee for Operating Year "n"= MF_{Total}

$MF_{Total} = (MF_{ns} + MF_{ns\ esc})$

Note: During the period of Interim Arrangement, as stipulated at clause 8.5 of Project Agreement, n^{th} Operating year shall mean n^{th} Operating year as per Interim Rolling

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For BGR Mining & Infra Limited
T. Sudhakara Reddy
Director

Production Plan prepared in accordance with clause 15 (a) of Schedule 2 of Project Agreement.

4.0 Review of Price Escalation formulae including components of escalation shall be as per clause 4.7 of Project Agreement.

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For [illegible] Limited
[illegible] Director

ANNEXURE-P/28

F. No. CPAM-34011/28/2019-CPAM [E-343762]
Government of India
Ministry of Coal
(MPS Section)
*****

Room No. 622-A, Shastri Bhawan,
New Delhi, Dated: 31st January, 2025

Office Memorandum

Subject: Guidelines for Preparation of Mining Plan and Mine Closure Plan for Coal and Lignite blocks 2025—reg.

The undersigned is directed to forward herewith the *Guidelines for the Preparation of Mining Plan and Mine Closure Plan for Coal and Lignite Blocks, 2025, for further necessary action and necessary compliance.*

2. All the provisions of this Mining Plan Guidelines shall become effective with immediate effect, except provisions contained in Para 2.7(c) and Para 2.9, which shall be effective upon issuance of necessary notification under the Mineral Concession Rules, 1960. Until the notification of the amendment in the Mineral Concession Rules, 1960, is issued, provisions contained in Para 1.3(A), 1.3(B), and 1.9 of the Guidelines for Preparation, Formulation, Submission, Processing, Scrutiny, Approval, and Revision of Mining Plan for Coal and Lignite Blocks dated 29.05.2020 shall continue to remain in force.

Encl: As above

Signed by
Hitlar Singh
Date: 31-01-2025 12:13:00
(Hitlar Singh)
Under Secretary to the Govt. of India
Email: hitlar.singh85@nic.in

To

1. Chairman, Coal India Ltd.
2. CMD, SCCL
3. CMD, NLCIL
4. Coal Controller, Coal Controller Organization, New Delhi
5. O/o Nominated Authority- to circulate it to all Coal Companies except stated above

Copy to:

1. Secretary, Ministry of Environment, Forest & Climate Change
2. Secretary (Mines)- All coal/Lignite bearing states
3. DG, DGMS
4. All Joint Secretaries, Ministry of Coal
5. Sr. Technical Director, NIC – with request to place on website of MoC

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Digitally signed by PARIMAL PIYUSH
Date: 2025.06.26 14:23:24 IST
Reason: AGM(Commercial)
Location: NTPC Limited

एनटीपीसी NTPC
A Maharatna Company

Break-up of Capital Cost for New Integrated Mine

Name of the Petitioner : NTPC

Name of the Integrated Mine: Kerandari

(Amount in Rs. Lakh)

S. No.	Break Down	Actual Capital Expenditure as on date of commercial operation (Cash Basis)
1	2	4
1	**Cost of Land & Site Development**	
1.1	Private Land	2764.89
1.2	Government Land	185.60
1.3	Forest Land	0.00
1.4	CBA Land	24742.23
1.5	Rehabilitation & Resettlement (R&R)	28467.51
1.6	Preliminary Investigation & Site Development (Prospecting and Boring)	0.00
	Total Land & Site Development	**56,160.23**
3	**Plant & Machinery**	
3.1	P&M - Electricals & Other P&M	551.45
3.2	Emergency D G Set	0.00
	Total BOP Electrical	**551.45**
4	Spares	0.00
4.1	Initial Spares	0.00
	Total Plant and Machinery	**551.45**
	Railway Sidings	
	Total Railway Sidings	
5	Civil Works	0.00
5.1	Township & Colony/Aux Building	322.31
5.2	Temporary Construction & Enabling Works	0.00
5.3	Roads & Culverts	26.65
5.4	Water Supply& Sewerage	13.77
	Total Civil Works	**362.72**
6	**Overheads**	
6.1	Establishment (Other Expenditure directly attributable to Construction)	45127.49

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Location: NTPC Limited

A Maharatna Company

Break-up of Capital Cost for New Integrated Mine

Name of the Petitioner : NTPC

Name of the Integrated Mine: Kerandari

(Amount in Rs. Lakh)

S. No.	Break Down	Actual Capital Expenditure as on date of commercial operation (Cash Basis)
6.2	Mine Development expenditure excluding IDC	7660.00
6.3	MBOA	765.17
	Total Overheads	53,552.66
7	**Total Capital cost excluding IDC & FC**	**1,10,627.06**
8	IDC, FC, FERV & Hedging cost	0.00
8.1	Interest During Construction (IDC)	16803.69
8.2	Financing charges (FC)	326.97
8.3	Foreign Exchange Rate Variation (FERV)	0.00
8.4	Hedging cost	0.00
8.5	WCM	0.00
	Total of IDC, FC, FERV & Hedging cost	17,130.66
9	Capital cost including IDC,FC,FERV & Hedging cost	0.00
11	**Total**	**1,27,757.72**

(Sign and Seal of Head of Finance)

(Sign and Seal of Auditor)

S.N. KAPUR & ASSOCIATES Lucknow Chartered Accountants एस एन कपूर & एसोसिएट्स

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Date: 2025.06.25 14:23:24 IST
Reason: AGM(Commercial)
Location: NTPC Limited

एनटीपीसी NTPC
A Maharatna Company

Gross Block reconciliation as on COD (01.04.2025 00:00 Hr)

Name of Project: Kerandari Coal Mining Project

SL		Particular	Amount pertaining to COD unit (Rs)
1		Tangible Gross Block as per Audited IND AS Balance Sheet as on COD (Note 2)	15,08,67,04,006.97
2		Intangible Gross Block as per Audited IND AS Balance Sheet as on COD (Note 5)	2,19,41,887.00
3			15,10,86,45,893.97
4	IND AS ADJ	Mining Property- Others - Striping Ratio Adj	-42,77,10,129.00
5		Site Restoration Costs	1,29,61,00,000.00
6		Ind AS on leasehold	52,75,67,064.00
7		Ind AS Adjustment on PPE	-1,27,331.86
8		**Gross Block as per IGAAP as on COD [1+2-(3+4+5+6)]**	**13,71,28,16,290.83**
9		Less: Pending Liabilities against the GB	93,70,44,237.58
10		Net Cash balance as on COD as per IGAAP (8-9)	12,77,57,72,053.25

(Sign and Seal of Head of Finance)

Gaurav R. Sehgi
उपप्रबंधक (वि)
AGM (Finance)
एनटीपीसी लिमिटेड/एस एस सी कोयला खनन
NTPC Limited / SSC Coal Mining, Ranchi

(Sign and Seal of Auditor)

S.N. KAPUR & ASSOCIATES
Lucknow
Chartered
Accountants
एस एन कपूर & एसोसिएट्स

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Date: 2025.06.25 14:23:24 IST
Reason: AGM(Commercial)
Location: NTPC Limited

A Maharatna Company

CWIP reconciliation as on COD (01.04.2025 00:00 Hr)

Name of Project: Kerandari Coal Mining Project

SL		Particular	Amount pertaining to COD unit (Rs.)
1		CWIP as per Audited IND AS Balance Sheet as on COD (Note 03)	7,58,20,96,224
2		Less: IND AS adjustment	-
3		CWIP as per IGAAP as on COD	7,58,20,96,224
4		Less: Pending Liabilities against the CWIP	1,02,42,51,722
5		Net Cash balance as on COD as per IGAAP	6,55,78,44,501

(Sign and Seal of Head of Finance)

Gaurav Rastogi
AGM

(Sign and Seal of Auditor)

S.N. KAPUR & ASSOCIATES
Lucknow
Chartered
Accountants
एस एन कपूर & एसोसिएट्स

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Date: 2025.06.25 14:23:24 IST
Reason: AGM(Commercial)
Location: NTPC Limited

A Maharatna Company

Incidental Expenditure up to date of commencement of Production and up to Actual date of commercial operation (01.04.2025 00:00 Hr)			PART- IV FORM- K
Name of the Petitioner : NTPC			
Name of the Integrated Mine : Kerandari			
			(Amount in Rs. Lakh)
S. No.	Parameters	As on date of commencement of Production	As on actual/anticipated date of commercial operation
A	**Head of Expenses:**		
1	Employees' Benefits Expenses	10,284.59	14,214.16
2	Other Finance Charges	2,501.06	3,123.45
3	Communication Expenses	163.57	191.09
4	Power Charges	103.36	148.59
5	Water Charges	26.73	38.88
6	Depreciation	1,821.52	5,281.78
7	EDP hire and other charges	25.59	26.72
8	Entertainment expenses	63.84	118.26
9	Vehicle running expenses	972.22	1,494.58
10	Insurance	-	-
11	Legal expenses	22.83	65.06
12	Miscellaneous expenses	148.23	177.99
13	Printing and stationery	35.40	54.76
14	Rates and taxes	700.42	757.01
15	Rent	121.42	144.23
16	Security expenses	2,667.81	3,838.91
17	Repair & Mtce	1,944.17	4,638.50
18	Advertisement and publicity	123.62	156.69
19	IEDC Allocated	2,134.94	3,200.31
20	Professional charges and consultancy fees	1,127.75	1,264.50
21	Canteen expenses	24.23	30.66
22	Manpower hiring expenses	-	-
23	Other Pre-Operating Expenses -Cost of captive coal produced	3,230.71	43,661.58
B	**Total Expenses**	**27,244.02**	**82,627.69**
1	Less: Income from sale of tenders	-1.77	-1.77
2	Less: Income recovered from Contractors	-243.80	-243.80
3	Less: Other Misc Income	-34.24	-36.86
4	Less: Pre Commsioning Income on Sale of Coal	-567.06	-36,942.99
Establishment (Other Expenditure directly attributable to Construction)		**26,397.16**	**45,402.27**
(Sign and Seal of Head of Finance)			(Sign and Seal of Auditor)

Gaurav Rastogi
AGM (Finance)

S. N. KAPUR & ASSOCIATES
Lucknow
Chartered Accountants

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Date: 2025.06.25 14:23:24 IST
Reason: AGM(Commercial)
Location: NTPC Limited

KERENDARI 'A' COAL MINING PROJ
BALANCE SHEET

(Amount in ₹)

	As at	Note	01.04.2025 (00:00 Hr)	31.03.2025	31.03.2024
001	**ASSETS**		**0.00**	**0.00**	**0.00**
002			**0.00**	**0.00**	**0.00**
003	**NON-CURRENT ASSETS**		**0.00**	**0.00**	**0.00**
004	PROPERTY, PLANT & EQUIPMENT	2	14,564,118,288.59	6,948,988,368.62	6,000,586,017.61
005	CAPITAL-WORK-IN-PROGRESS	3	7,582,096,223.55	13,901,126,143.52	11,505,439,272.24
006	INVESTMENT PROPERTY	4	0.00	0.00	0.00
007	INTANGIBLE ASSETS	5	16,477,181.68	16,477,181.68	6,164,052.89
008	INTANGIBLE ASSETS UNDER DEVELOPMENT	6	0.00	0.00	0.00
009	**FINANCIAL ASSETS**		**0.00**	**0.00**	**0.00**
010	I) EQUITY INVESTMENTS IN SUBSIDIARIES AND JOINT VENTURES	7	0.00	0.00	0.00
011	II) OTHER INVESTMENTS	8	0.00	0.00	0.00
012	III) LOANS	9	39,455,926.71	39,455,926.71	21,053,748.11
013	IV) TRADE RECEIVABLES	10	0.00	0.00	0.00
014	V) OTHER FINANCIAL ASSETS	11	108,138,653.59	108,138,653.59	102,807,126.54
016	OTHER NON-CURRENT ASSETS	12	1,751,745,478.59	1,751,745,478.59	1,875,776,282.89
017	**TOTAL NON-CURRENT ASSETS**		**24,062,031,752.71**	**22,765,931,752.71**	**19,511,826,500.28**
018			**0.00**	**0.00**	**0.00**
019	**CURRENT ASSETS**		**0.00**	**0.00**	**0.00**
020	INVENTORIES	13	628,312,442.56	628,312,442.56	192,417,161.77
021	**FINANCIAL ASSETS**		**0.00**	**0.00**	**0.00**
022	I) OTHER INVESTMENTS	14	0.00	0.00	0.00
023	II) TRADE RECEIVABLES	15	0.00	0.00	0.00
024	III) CASH AND CASH EQUIVALENTS	16	0.00	0.00	0.00
025	IV) BANK BALANCES OTHER THAN CASH AND CASH EQUIVALENTS	17	0.00	0.00	0.00
026	V) LOANS	18	13,586,452.60	13,586,452.60	8,509,667.07
027	VI) OTHER FINANCIAL ASSETS	19	-211,691,672.83	-211,691,672.83	-4,961,128.00
028	CURRENT TAX ASSETS (NET)		0.00	0.00	0.00
029			0.00	0.00	0.00
030	OTHER CURRENT ASSETS	20	477,038,825.24	477,038,825.24	307,818,695.52
031			0.00	0.00	0.00
032	**TOTAL CURRENT ASSEETS**		**907,246,047.57**	**907,246,047.57**	**503,784,396.36**
033	ASSETS HELD FOR SALE	21	0.00	0.00	0.00
036	REGULATORY DEFERRAL ACCOUNT DEBIT BALANCES	22	81,834,214.64	81,834,214.64	19,918,555.01
037	**TOTAL ASSETS**		**25,051,112,014.92**	**23,755,012,014.92**	**20,035,529,451.65**
038	**EQUITY AND LIABILITIES**		**0.00**	**0.00**	**0.00**
039	**EQUITY**		**0.00**	**0.00**	**0.00**
040	EQUITY SHARE CAPITAL	23	0.00	0.00	0.00
041	OTHER EQUITY	24	-207,371,244.38	-207,371,244.38	575,930.02
044	**TOTAL EQUITY**		**-207,371,244.38**	**-207,371,244.38**	**575,930.02**
045			0.00	0.00	0.00
046	**LIABILITIES**		**0.00**	**0.00**	**0.00**
047	**NON-CURRENT LIABILITIES**		**0.00**	**0.00**	**0.00**
048	**FINANCIAL LIABILITIES**		**0.00**	**0.00**	**0.00**

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Date: 2025.06.29 14:23:24 IST
Reason: AGM(Commercial)
Location: NTPC Limited

KERENDARI 'A' COAL MINING PROJ

BALANCE SHEET

(Amount in ₹)

	As at	Note	01.04.2025 (00:00 Hr)	31.03.2025	31.03.2024
049	I) BORROWINGS	25	0.00	0.00	0.00
050	II) LEASE LIABILITIES	26	610,523,713.00	610,523,713.00	594,786,356.00
051	**III) TRADE PAYABLES**		**0.00**	**0.00**	**0.00**
052	- TOTAL OUTSTANDING DUES OF MICRO AND SMALL ENTERPRISES	27	0.00	0.00	0.00
053	- TOTAL OUTSTANDING DUES OF CREDITORS OTHER THAN MICRO AND SMALL ENTERPRISES	27	0.00	0.00	0.00
054	IV) OTHER FINANCIAL LIABILITIES	28	207,198.52	207,198.52	912,177.69
055	PROVISIONS	29	86,83,89,871.00	427,710,129.00	0.00
056	DEFERRED TAX LIABILITIES (NET)	30	0.00	0.00	0.00
057	OTHER NON-CURRENT LIABILITIES	31	0.00	0.00	0.00
058			0.00	0.00	0.00
059	**TOTAL NON-CURRENT LIABILITIES**		**1,479,120,782.52**	**183,020,782.52**	**595,698,533.69**
060			**0.00**	**0.00**	**0.00**
061	**CURRENT LIABILITIES**		**0.00**	**0.00**	**0.00**
062	**FINANCIAL LIABILITIES**		**0.00**	**0.00**	**0.00**
063	I) BORROWINGS	32	0.00	0.00	0.00
064	II) LEASE LIABILITIES	33	173,812,161.00	173,812,161.00	137,652,902.00
065	**III) TRADE PAYABLES**		**0.00**	**0.00**	**0.00**
066	- TOTAL OUTSTANDING DUES OF MICRO AND SMALL ENTERPRISES	34	6,339,472.27	6,339,472.27	3,518,762.89
067	- TOTAL OUTSTANDING DUES OF CREDITORS OTHER THAN MICRO AND SMALL ENTERPRISES	34	237,395,338.52	237,395,338.52	272,891,808.88
068	IV) OTHER FINANCIAL LIABILITIES	35	1,248,530,693.35	1,248,530,693.35	1,385,215,287.46
069	OTHER CURRENT LIABILITIES	36	148,892,163.00	148,892,163.00	58,476,482.00
070	PROVISIONS	37	785,609,238.83	785,609,238.83	1,563,322,447.30
071	CURRENT TAX LIABILITIES (NET)	38	0.00	0.00	0.00
072			0.00	0.00	0.00
073	**TOTAL CURRENT LIABILITIES**		**2,600,579,066.97**	**2,600,579,066.97**	**3,421,077,690.53**
074			**0.00**	**0.00**	**0.00**
077	DEFERRED REVENUE	39	0.00	0.00	0.00
078	REGULATORY DEFERRAL ACCOUNT CREDIT BALANCES	39A	0.00	0.00	0.00
079	INTER UNIT ACCOUNTS		21,178,783,409.81	21,178,783,409.81	16,018,177,297.41
080			**0.00**	**0.00**	**0.00**
081	**TOTAL EQUITY AND LIABILITIES**		**25,051,112,014.92**	**23,755,012,014.92**	**20,035,529,451.65**
082	Material Accounting Policies as per note 1	1	0.00	0.00	0.00
083			0.00	0.00	0.00
084	The Accompanying notes 1 to 48A form an integral part of these financial statements.		0.00	0.00	0.00
085			**0.00**	**0.00**	**0.00**

(Auditor Initial & Stamp) 20/6/25

GAURAV RASTOGI Digitally signed by GAURAV RASTOGI Date: 2025.06.15 13:45:14 +05'30'

(Head of Finance)

15.06.2025

(Head of Unit)

K. चंद्रशेखर / K. CHANDRASEKHAR
परियोजना प्रमुख (केकेसी) / HOP (KDCMP)

S.N. KAPUR & ASSOCIATES

UDIN-25400460BMGKAB9285.

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Date: 2025.06.29 14:23:24 IST
Reason: AGM(Commercial)
Location: NTPC Limited

KERENDARI 'A' COAL MINING PROJ
STATEMENT OF PROFIT AND LOSS

(Amount in ₹)

	For the Period ended	Note	01.04.2025 (00:00 Hr)	31.03.2025	31.03.2024
001	**Revenue**		**0.00**	**0.00**	**0.00**
002	Revenue from operations	40	0.00	0.00	0.00
003	Other income	41	0.00	9,734,806.54	5,561,417.10
005	**Total Income**		**0.00**	**9,734,806.54**	**5,561,417.10**
007	**Expenses**		**0.00**	**0.00**	**0.00**
008	Fuel including cost of captive coal	42	0.00	0.00	0.00
009	Employee benefits expense	43	0.00	1,541,135.11	2,988,455.92
010	Electricity purchased for trading		0.00	0.00	0.00
011	Finance costs	44	0.00	0.00	0.00
012	Depreciation, amortization and impairment expenses	45	0.00	0.00	0.00
013			0.00	0.00	0.00
014	Other expenses	46	0.00	278,056,505.46	-24,232,117.00
015	CC expenses charge to revenue		0.00	0.00	0.00
016	Less: Unit expenses transferred to CC		0.00	0.00	0.00
017	**Total expenses**		**0.00**	**279,597,640.57**	**-21,243,661.08**
020	**Profit before exceptional items & tax**		**0.00**	**-269,862,834.03**	**26,805,078.18**
021	Exceptional items		0.00	0.00	0.00
024	**Profit before tax**		**0.00**	**-269,862,834.03**	**26,805,078.18**
027	**Tax expense:**		**0.00**	**0.00**	**0.00**
028	Current tax		0.00	0.00	0.00
031	Deferred tax		0.00	0.00	0.00
034			0.00	0.00	0.00
035	**Total Tax expense**		**0.00**	**0.00**	**0.00**
036	**Profit for the period before regulatory deferral account balances**		**0.00**	**-269,862,834.03**	**26,805,078.18**
037	**Movement in regulatory deferral account balances**		**0.00**	**0.00**	**0.00**
038	Regulatory deferred account - deferred		0.00	0.00	0.00
039	Others		0.00	61,915,659.63	-24,435,305.50
040	Tax impact on regulatory deferral account balances		0.00	0.00	0.00
041	**Net movement in regulatory deferral account balances (net of tax)**		**0.00**	**61,915,659.63**	**-24,435,305.50**
042	**Profit for the period/ year**		**0.00**	**-207,947,174.40**	**2,369,772.68**
055	**Other comprehensive income**		**0.00**	**0.00**	**0.00**
056	**(A) Items that will not be reclassified to profit or loss**		**0.00**	**0.00**	**0.00**
057	- Net gains/(losses) on fair value of equity instruments through other comprehensive income		0.00	0.00	0.00
058	Income tax on above that will not be reclassified to profit or loss		0.00	0.00	0.00
059	- Net acturial gains/(losses) on defined benefit plans		0.00	0.00	0.00
060	Income tax on above that will not be reclassified to profit or loss		0.00	0.00	0.00
064			0.00	0.00	0.00
065	**Other comprehensive income for the year, net of income tax**		**0.00**	**0.00**	**0.00**
070			0.00	0.00	0.00
071			0.00	0.00	0.00

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Date: 2025.06.29 14:23:24 IST
Reason: AGM(Commercial)
Location: NTPC Limited

KERENDARI 'A' COAL MINING PROJ
STATEMENT OF PROFIT AND LOSS

(Amount in ₹)

	For the Period ended	Note	01.04.2025 (00:00 Hr)	31.03.2025	31.03.2024
072	Total Comprehensive Income for the year		0.00	-307,947,174.40	2,369,772.68
086			0.00	0.00	0.00
087	Earnings per equity share:		0.00	0.00	0.00
088	Basic & Diluted		0.00	0.00	0.00
089	Material Accounting Policies		0.00	0.00	0.00
090			0.00	0.00	0.00
091	The accompanying notes 1 to 48 form an integral part of these financial statements.		0.00	0.00	0.00

(Auditor Initial & Stamp)

S.N. KAPUR & ASSOCIATES * Lucknow Chartered Accountants * एस एन कपूर & एसोसिएट्स

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(Head of Finance)

15.06.2025

(Head of Unit)

के. चंद्रशेखर / K. CHANDRASEKHAR
परियोजना प्रमुख (केरेडारी) / HOP (KDCMP)
एनटीपीसी खनन लिमिटेड / NTPC Mining Limited
केरेडारी कोयला खनन परियोजना / KDCMP
हजारीबाग / Hazaribag

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Date: 2025.06.20 14:23:24 IST
Reason: AGM(Commercial)
Location: NTPC Limited

KERENDARI 'A' COAL MINING PROJ

OTHER COMPREHENSIVE INCOME **(Amount in ₹)**

	For the Period ended	01.04.2025 (00:00 Hr)	31.03.2025	31.03.2024
001		0.00	0.00	0.00
002	**Other comprehensive income**	**0.00**	**0.00**	**0.00**
003	**(A) Items that will not be reclassified to profit or loss**	**0.00**	**0.00**	**0.00**
004	- Net gains/(losses) on fair value of equity instruments through other comprehensive income	0.00	0.00	0.00
005	Income tax on above that will not be reclassified to profit or loss	0.00	0.00	0.00
006	- Net acturial gains/(losses) on defined benefit plans	0.00	0.00	0.00
007	Income tax on above that will not be reclassified to profit or loss	0.00	0.00	0.00
008		0.00	0.00	0.00
009	(B) Items that will be reclassified to profit or loss	0.00	0.00	0.00
010	Income tax relating to above items that will be reclassified to profit or loss	0.00	0.00	0.00
011		0.00	0.00	0.00
012	**Other comprehensive income for the year, net of income tax**	**0.00**	**0.00**	**0.00**
013		0.00	0.00	0.00
014	**Total comprehensive income for the year (A+B)**	**0.00**	**0.00**	**0.00**

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Date: 2025.06.29 14:23:24 IST
Reason: AGM(Commercial)
Location: NTPC Limited

Notes forming part of Standalone Financial Statements

Note 1. Company Information and Material Accounting Policy Information

A. Reporting entity

NTPC Limited (the "Company") is a Company domiciled in India and limited by shares (CIN: L40101DL1975GOI007966). The shares of the Company are listed and traded on the National Stock Exchange of India Limited (NSE) and BSE Limited (BSE) in India. The address of the Company's registered office is NTPC Bhawan, SCOPE Complex, 7 Institutional Area, Lodhi Road, New Delhi - 110003. The Company is primarily involved in the generation and sale of bulk power to State Power Utilities. Other business of the Company includes providing consultancy, project management & supervision, energy trading, oil & gas exploration and coal mining.

B. Basis of preparation

1. Statement of Compliance

These standalone financial statements are prepared on going concern basis following accrual system of accounting and comply with the Indian Accounting Standards (Ind AS) prescribed under Section 133 of the Companies Act, 2013 read with the Companies (Indian Accounting Standards) Rules, 2015 as amended, and other relevant provisions of the Companies Act, 2013 and the provisions of the Electricity Act, 2003 to the extent applicable.

2. Basis of measurement

The financial statements have been prepared on the historical cost basis except for:

- Certain financial assets and liabilities (including derivative instruments) that are measured at fair value (refer serial no. C.22 of accounting policy regarding financial instruments); and
- Plan assets in the case of employees defined benefit plans that are measured at fair value.

The methods used to measure fair values are discussed in notes to the financial statements.

3. Functional and presentation currency

These financial statements are presented in Indian Rupees (`) which is the Company's functional currency. All financial information presented in (`) has been rounded to the nearest crore (up to two decimals), except when indicated otherwise.

4. Current and non-current classification

The Company classifies its assets and liabilities as current/non-current in the balance sheet as per the requirements of Ind AS 1 and considering 12 months period as normal operating cycle.

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Date: 2025.06.26 14:23:24 IST
Reason: AGM(Commercial)
Location: NTPC Limited

C. Material accounting policies

A summary of the material accounting policies applied in the preparation of the financial statements are as given below. These accounting policies have been applied consistently to all periods presented in the financial statements. It allows for an understanding as to how material transactions, other events and conditions are reported. It also describes: (a) judgements, apart from those involving estimations, that management makes in applying the policies that have the most significant effect on the amounts recognised in the Financial Statements; and (b) estimations, including assumptions about the future, that management makes in applying the policies.

The Company has elected to utilize the option under Ind AS 101-'First time adoption of Indian Accounting Standards' by not applying the provisions of Ind AS 16-'Property, plant and equipment'& Ind AS 38- 'Intangible assets' retrospectively and continue to use the previous GAAP carrying amount as a deemed cost under Ind AS at the date of transition to Ind AS i.e. 1 April 2015. Therefore, the carrying amount of property, plant and equipment and intangible assets as per the previous GAAP as at 1 April 2015, i.e. the Company's date of transition to Ind AS, were maintained on transition to Ind AS.

1. Property, plant and equipment

1.1. Initial recognition and measurement

(a) An item of property, plant and equipment is recognized as an asset if and only if it is probable that future economic benefits associated with the item will flow to the Company and the cost of the item can be measured reliably.

(b) Items of property, plant and equipment are initially recognized at cost. Subsequent measurement is done at cost less accumulated depreciation/amortization and accumulated impairment losses.

(c) When parts of an item of property, plant and equipment that are significant in value and have different useful lives as compared to the main asset, they are recognized separately.

(d) Deposits, payments/liabilities made provisionally towards compensation, rehabilitation and other expenses relatable to land in possession are treated as cost of land.

(e) In the case of assets put to use, where final settlement of bills with contractors is yet to be effected, capitalization is done on provisional basis subject to necessary adjustment in the year of final settlement.

(f) Assets and systems common to more than one generating unit are capitalized on the basis of engineering estimates/assessments.

(g) Items of spare parts, stand-by equipment and servicing equipment which meet the definition of property, plant and equipment are capitalized. Other spare parts are carried as inventory and recognized as expense in the statement of profit and loss on consumption.

(h) The acquisition or construction of some items of property, plant and equipment although not directly increasing the future economic benefits of any particular existing item of property, plant and equipment, may be necessary for the Company to obtain future economic benefits from its other assets. Such items are recognized as property, plant and equipment.

(i) Excess of net sale proceed of items produced while bringing the asset to the location and condition necessary for it to be capable of operating in the manner intended by management is deducted from the directly attributable cost considered as part of an item of property, plant and equipment.

1.2. Subsequent costs

(a) Subsequent expenditure is recognized in the carrying amount of the asset when it is probable that future economic benefits deriving from the cost incurred will flow to the enterprise and

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Reason: AGM(Commercial)
Location: NTPC Limited

cost of the item can be measured reliably.

(b) Expenditure on major inspection and overhauls of generating unit is capitalized, when it meets the asset recognition criteria. Any remaining carrying amount of the cost of the previous inspection and overhaul is derecognized.

(c) The cost of replacing major part of an item of property, plant and equipment is recognized in the carrying amount of the item if it is probable that the future economic benefits embodied within the part will flow to the Company and its cost can be measured reliably. The carrying amount of the replaced part is derecognized regardless of whether the replaced part has been depreciated separately. If it is not practicable to determine the carrying amount of the replaced part, the Company uses the cost of the replacement as an indication of what the cost of replaced part was at the time it was acquired or constructed. The costs of the day-to-day servicing of property, plant and equipment are recognized in the statement of profit and loss as and when incurred.

1.3. Decommissioning costs

The present value of the expected cost for the decommissioning of the asset after its use is included in the cost of the respective asset if the recognition criteria for a provision are met.

1.4. De-recognition

Property, plant and equipment is derecognized when no future economic benefits are expected from their use or upon their disposal. Gains and losses on de-recognition of an item of property, plant and equipment are determined as the difference between sale proceeds from disposal, if any, and the carrying amount of property, plant and equipment and are recognized in the statement of profit and loss.

1.5. Depreciation/amortization

(a) Depreciation on the assets of the generation of electricity business, integrated coal mining and on the assets of Corporate & other offices of the Company, covered under Part B of Schedule II of the Companies Act, 2013, is charged on straight-line method following the rates and methodology notified by the Central Electricity Regulatory Commission (CERC) Tariff Regulations.

(b) Depreciation on the assets of the oil & gas exploration, power plants not governed by CERC Tariff Regulations, investment properties and consultancy business is charged on straight-line method following the useful life specified in Schedule II of the Companies Act, 2013 except for the assets referred below.

(c) Depreciation on the following assets is provided on their estimated useful lives, which are different from the useful lives as prescribed under Schedule II to the Companies Act, 2013, ascertained on the basis of technical evaluation/ assessment:

a) Kutcha roads	2 years
b) Enabling works- Enabling works – residential and non-residential buildings, including their internal electrification, water supply, sewerage & drainage works, railway sidings, aerodromes, helipads and airstrips	5-15 years
c) Personal computers & laptops including peripherals.	3 years
d) Temporary erections including wooden structures.	1 year
e) Energy saving electrical appliances and fittings.	2-7 years
f) Solar/wind power plants which are not governed by CERC Tariff Regulations.	25 years
g) Furniture, Fixture, Office equipment, IT and other Communication equipment	5-15 years

(d) Major overhaul and inspection costs which have been capitalized are depreciated over the period until the next scheduled outage or actual major inspection/overhaul, whichever is

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(e) Capital spares are depreciated considering the useful life ranging between 2 to 40 years based on technical assessment.

(f) Right-of-use land and buildings relating to generation of electricity business governed by CERC Tariff Regulations are fully amortized on straight line method over the lease period or life of the related plant whichever is lower following the rates and methodology notified by the CERC Tariff Regulations.

(g) Right-of-use land and buildings relating to generation of electricity business which are not governed by CERC tariff Regulations are fully amortized on straight line method over the lease period or life of the related plant whichever is lower.

(h) Right-of-use land and buildings relating to corporate, and other offices are fully amortized on straight line method over lease period or twenty-five years whichever is lower following the rates and methodology notified by the CERC Tariff Regulations.

(i) Land acquired under Coal Bearing Areas (Acquisition & Development) Act, 1957 and Other right-of-use land acquired for mining business are amortized on straight line method over the right of use period or balance life of the project whichever is lower.

(j) In respect of integrated coal mines, the mines closure, site restoration and decommissioning obligations are amortized on straight line method over the balance life of the mine on commercial declaration.

(k) Depreciation on additions to/deductions from property, plant and equipment during the year is charged on pro-rata basis from/up to the month in which the asset is available for use/sale, disposal or earmarked for disposal.

(l) Where the cost of depreciable assets has undergone a change during the year due to increase/decrease in long-term liabilities (recognized up to 31 March 2016) on account of exchange fluctuation and price adjustment change in duties or similar factors, the unamortized balance of such asset is charged off prospectively over the remaining useful life determined following the applicable accounting policies relating to depreciation/amortization.

(m) Where it is probable that future economic benefits deriving from the expenditure incurred will flow to the Company and the cost of the item can be measured reliably, subsequent expenditure on a property, plant and equipment along-with its unamortized depreciable amount is charged off prospectively over the revised useful life determined by technical assessment.

(n) The residual values, useful lives and method of depreciation of assets other than the assets of generation of electricity business and integrated coal mines governed by CERC Tariff Regulations, are reviewed at each financial year end and adjusted prospectively, wherever required.

(o) Depreciation of an asset ceases at the earlier of the date that the asset is classified as held for sale (or included in a disposal group that is classified as held for sale) in accordance with Ind AS 105 and the date that the asset is derecognised.

(p) Refer policy no. C.16 in respect of depreciation/amortization of right-of-use assets other than land and buildings.

2. Capital work-in-progress

(a) Cost incurred for property, plant and equipment that are not ready for their intended use as on the reporting date, is classified under capital work- in-progress.

(b) The cost of self-constructed assets includes the cost of materials & direct labour, any other costs directly attributable to bringing the assets to the location and condition necessary for it to be capable of operating in the manner intended by management and the borrowing costs attributable to the acquisition or construction of qualifying asset.

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(c) Expenses directly attributable to construction of property, plant and equipment incurred till they are ready for their intended use are identified and allocated on a systematic basis on the cost of related assets.

(d) Deposit works/cost plus contracts are accounted for on the basis of statements of account received from the contractors.

(e) Unsettled liabilities for price variation/exchange rate variation in case of contracts are accounted for on estimated basis as per terms of the contracts.

(f) The Company periodically reviews its Capital work-in-progress and in case of abandoned works, provision for unserviceable cost is provided for, as required, basis the technical assessment. Further, provisions made are reviewed at regular intervals and in case work has been subsequently taken up, then provision earlier provided for is written back to the extent the same is no longer required.

(g) Net pre-commissioning income/expenditure is adjusted directly in the cost of related assets and systems.

3. Intangible assets and intangible assets under development

3.1. Initial recognition and measurement

Intangible assets that are acquired by the Company, which have finite useful lives, are recognized at cost. Subsequent measurement is done at cost less accumulated amortization and accumulated impairment losses.

3.2. Subsequent costs

Subsequent expenditure is recognized as an increase in the carrying amount of the asset when it is probable that future economic benefits deriving from the cost incurred will flow to the enterprise and the cost of the item can be measured reliably.

3.3. De-recognition

An intangible asset is derecognized when no future economic benefits are expected from their use or upon their disposal. Gain or loss on de-recognition of an intangible asset is determined as the difference between the net disposal proceeds, if any, and the carrying amount of intangible assets and are recognized in the statement of profit and loss.

3.4. Amortization

(a) Cost of software recognized as intangible asset, is amortized on straight-line method over a period of legal right to use or 3 years, whichever is less.

(b) The amortization period and the amortization method of intangible assets with a finite useful life is reviewed at each financial year end and adjusted prospectively, wherever required.

4. Regulatory deferral account balances

(a) Expense/income recognized in the statement of profit and loss to the extent recoverable from or payable to the beneficiaries in subsequent periods as per CERC Tariff Regulations are recognized as 'Regulatory deferral account balances'.

(b) Regulatory deferral account balances are adjusted in the year in which the same become recoverable from or payable to the beneficiaries.

(c) Regulatory deferral account balances are evaluated at each balance sheet date to ensure that the underlying activities meet the recognition criteria and it is probable that future economic benefits associated with such balances will flow to the entity. If these criteria are not met, the regulatory deferral account balances are derecognized.

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5. Development expenditure on coal mines

(a) When proved reserves are determined and development of mines/project is sanctioned, exploration and evaluation assets are transferred to 'Development of coal mines' under 'Capital work-in-progress'.

(b) Subsequent expenditure is capitalized only where it either enhances the economic benefits of the development/producing asset or replaces part of the existing development/producing asset. Any remaining costs associated with the part replaced are expensed.

(c) The development expenditure capitalized is net of value of coal extracted during development phase.

(d) Date of commercial operation of integrated coal mines shall be determined on the occurring of earliest of following milestones as provided in CERC tariff regulations:

1) The first date of the year succeeding the year in which 25 % of the peak rated capacity as per the mining plan is achieved; or

2) The first date of the year succeeding the year in which the value of production exceeds the total expenditure in that year; or

3) The date of two years from the date of commencement of production;

The above is subject to commercial readiness to yield production on a sustainable basis (i.e. when the Company determines that the mining property will provide sufficient and sustainable return relative to its perceived risks and therefore it is considered probable that future economic benefits will flow to the Company).

(e) On the date of commercial operation, the assets under capital work-in-progress are classified as a component of property, plant and equipment under 'Mining property'.

(f) Gains and losses on de-recognition of assets referred above, are determined as the difference between the net disposal proceeds, if any, and the carrying amount of respective assets and are recognized in the statement of profit and loss.

5.1 Stripping activity expense/adjustment

(a) Expenditure incurred on removal of mine waste materials (overburden) necessary to extract the coal reserves is referred to as stripping cost. The Company has to incur such expenses over the life of the mine as technically estimated.

(b) Cost of stripping is charged on technically evaluated average stripping ratio at each mine with due adjustment for stripping activity asset and ratio-variance account after the mines are brought to revenue.

(c) Net of the balances of stripping activity asset and ratio variance at the Balance Sheet date is shown as 'Stripping activity adjustment' under the head 'Non-current assets/Non-current provisions' as the case may be, and adjusted as provided in the CERC Tariff Regulations

5.2 Mines closure, site restoration and decommissioning obligations

(a) The Company's obligations for land reclamation and decommissioning of structure consist of spending at mines in accordance with the guidelines from Ministry of Coal, Government of India. The Company estimates its obligations for mine closure, site restoration and decommissioning based on the detailed calculation and technical assessment of the amount and timing of future cash spending for the required work and provided for as per approved mine closure plan. The estimate of expenses is escalated for inflation and then discounted at a pre-tax discount rate that reflects current market assessment of the time value of money and risk, such that the amount of provision reflects the present value of expenditure required to settle the obligation. The Company recognizes a corresponding asset under property, plant and equipment as a separate item for the cost associated with such obligation. Upon commerc

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declaration of mines, the mine closure, site restoration and decommissioning obligations are amortized on straight line method over the balance life of the mine.

(b) The value of the obligation is progressively increased over time as the effect of discounting unwinds and the same is recognized as finance costs.

(c) Further, a specific escrow account is maintained for this purpose as per approved mine closure plan. The progressive mine closure expenses incurred on year to year basis, forming part of the total mine closure obligation, are initially recognized as receivable from escrow account and thereafter adjusted with the obligation in the year in which the amount is withdrawn from escrow account after concurrence of the certifying agency.

6. Investment Property

(a) Investment properties are properties held to earn rental or for capital appreciation or for both and are not intended to be used in the operations of the Company. Investment properties are measured initially at its cost, including transaction costs. Investment properties are subsequently measured at cost less accumulated depreciation and accumulated impairment losses, if any. Subsequent expenditure is capitalized to the asset's carrying amount only when it is probable that future economic benefits associated with the expenditure will flow to the Company and the cost of the item can be measured reliably. Investment properties are depreciated / amortised considering the material accounting policy no. C.1.5 and C.16.1.

(b) A property shall be transferred to or from investment property when, and only when, there is change in use. A change in use occurs when the property meets, or ceases to meet the definition of investment property and there is evidence of the change in use.

(c) An investment property is derecognized upon disposal or when the investment property is permanently withdrawn from use and no future economic benefits are expected from the disposal. Any gain or loss arising on de-recognition of the property (calculated as the difference between the net disposal proceeds and the carrying amount of the asset) is included in profit or loss in the period in which the property is derecognized.

7. Borrowing costs

(a) Borrowing costs consist of (a) interest expense calculated using the effective interest method as described in Ind AS 109 – 'Financial Instruments' (b) interest expense on lease liabilities recognized in accordance with Ind AS 116– 'Leases' and (c) exchange differences arising from foreign currency borrowings to the extent that they are regarded as an adjustment to interest costs.

(b) Borrowing costs that are directly attributable to the acquisition, construction/exploration/ development or erection of qualifying assets are capitalized as part of cost of such asset until such time the assets are substantially ready for their intended use. Qualifying assets are assets which necessarily take substantial period of time to get ready for their intended use or sale.

(c) When the Company borrows funds specifically for the purpose of obtaining a qualifying asset, the borrowing costs incurred are capitalized. When Company borrows funds generally and uses them for the purpose of obtaining a qualifying asset, the capitalization of the borrowing costs is computed based on the weighted average cost of all borrowings that are outstanding during the period and used for the acquisition, construction/exploration or erection of the qualifying asset. However, borrowing costs applicable to borrowings made specifically for the purpose of obtaining a qualifying asset, are excluded from this calculation, until substantially all the activities necessary to prepare that asset for its intended use or sale are complete.

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(d) Income earned on temporary investment made out of the borrowings pending utilization for expenditure on the qualifying assets is deducted from the borrowing costs eligible for capitalization.

(e) Capitalization of borrowing costs ceases when substantially all the activities necessary to prepare the qualifying assets for their intended use are complete.

(f) Other borrowing costs are recognized as an expense in the year in which they are incurred.

(g) The Company can incur borrowing costs during an extended period in which it suspends the activities necessary to prepare an asset for its intended use or sale. Such costs are costs of holding partially completed assets and is not eligible for capitalisation. However, the Company does not normally suspend capitalising borrowing costs during a period when it carries out substantial technical and administrative work. The Company also does not suspend capitalising borrowing costs when a temporary delay is a necessary part of the process of getting an asset ready for its intended use or sale.

8. Inventories

(a) Inventories are valued at the lower of cost and net realizable value.. Cost is determined on weighted average basis..

(b) The diminution in the value of obsolete/ unserviceable/surplus stores and spares and non-moving unserviceable inventories is ascertained on review and provided for.

(c) Transit and handling losses of coal as per Company's norms are included in cost of coal.

9. Government grants

Government grants are recognized when there is reasonable assurance that they will be received and the Company will comply with the conditions associated with the grant. Grants that compensate the Company for the cost of depreciable asset are recognized as income in statement of profit and loss on a systematic basis over the period and in the proportion in which depreciation is charged. Grants that compensate the Company for expenses incurred are recognized over the period in which the related costs are incurred and the same is deducted from the related expenses.

10. Fly ash utilization reserve fund

Proceeds from sale of ash/ash products along-with income on investment of surplus fund are transferred to 'Fly ash utilization reserve fund'. The fund is utilized towards expenditure on development of infrastructure/facilities, promotion & facilitation activities for use of fly ash.

11. Provisions, contingent liabilities and contingent assets

(a) A provision is recognized if, as a result of a past event, the Company has a present legal or constructive obligation that can be estimated reliably, and it is probable that an outflow of economic benefits will be required to settle the obligation. If the effect of the time value of money is material, provisions are determined by discounting the expected future cash flows at a pre-tax rate that reflects current market assessments of the time value of money and the risks specific to the liability. When discounting is used, the increase in the provision due to the passage of time is recognized as a finance cost.

(b) The amount recognized as a provision is the best estimate of the consideration required to settle the present obligation at reporting date, taking into account the risks and uncertainties surrounding the obligation.

(c) When some or all of the economic benefits required to settle a provision are expected to be recovered from a third party, the receivable is recognized as an asset if it is virtually certain that reimbursement will be received and the amount of the receivable can be measured relia

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expense relating to a provision is presented in the statement of profit and loss net of reimbursement, if any.

(d) Contingent liabilities are possible obligations that arise from past events and whose existence will only be confirmed by the occurrence or non-occurrence of one or more future events not wholly within the control of the Company. Where it is not probable that an outflow of economic benefits will be required, or the amount cannot be estimated reliably, the obligation is disclosed as a contingent liability, unless the probability of outflow of economic benefits is remote. Contingent liabilities are disclosed on the basis of judgment of the management/independent experts. These are reviewed at each balance sheet date and are adjusted to reflect the current management estimate.

(e) Contingent assets are possible assets that arise from past events and whose existence will be confirmed only by the occurrence or non-occurrence of one or more uncertain future events not wholly within the control of the Company. Contingent assets are disclosed in the financial statements when inflow of economic benefits is probable on the basis of judgment of management. These are assessed continually to ensure that developments are appropriately reflected in the financial statements.

(f) Present obligations arising under onerous contracts are recognised and measured as provisions. An onerous contract is considered to exist where the Company has a contract under which the unavoidable costs of meeting the obligations under the contract exceed the economic benefits expected to be received from the contract.

12. Foreign currency transactions and translation

(a) Transactions in foreign currencies are initially recorded at the functional currency spot exchange rates at the date the transaction first qualifies for recognition.

(b) Monetary assets and liabilities denominated in foreign currencies outstanding at the reporting date are translated at the functional currency spot rates of exchange prevailing on that date. Exchange differences arising on settlement or translation of monetary items are recognized in the statement of profit and loss in the year in which it arises with the exception that exchange differences on long term monetary items related to acquisition of property, plant and equipment recognized up to 31 March 2016 are adjusted to the carrying cost of property, plant and equipment.

(c) Non-monetary items denominated in foreign currency which are measured in terms of historical cost are recorded using the exchange rate at the date of the transaction. In case of advance consideration received or paid in a foreign currency, the date of transaction for the purpose of determining the exchange rate to use on initial recognition of the related asset, expense or income (or part of it), is when the Company initially recognizes the non-monetary asset or non-monetary liability arising from the payment or receipt of advance consideration.

13. Revenue

Company's revenues arise from sale and trading of energy, consultancy, project management & supervision services, income on assets under lease, supply of coal from integrated coal mines and other income. Revenue from other income comprises interest from banks, employees, contractors etc., dividend from investments in joint venture & subsidiary companies, dividend from mutual fund investments, surcharge received from beneficiaries for delayed payments, sale of scrap, other miscellaneous income, etc.

13.1. Revenue from sale of energy

(a) The majority of the Company's operations in India are regulated under the Electricity Act, 2003. Accordingly, the CERC determines the tariff for the Company's power plants based on the norms prescribed in the tariff regulations as applicable from time to time. Tariff is based on the capital cost incurred for a specific power plant and primarily comprises two components

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capacity charge i.e. a fixed charge that includes depreciation, return on equity, interest on working capital, operating & maintenance expenses, interest on loan and energy charge i.e. a variable charge primarily based on fuel costs. Tariff for Company's integrated coal mines are also determined by CERC based on the norms prescribed in the CERC Tariff Regulations.

(b) Revenue from sale of energy is accounted for based on tariff rates approved by the CERC (except items indicated as provisional) as modified by the orders of Appellate Tribunal for Electricity to the extent applicable. In case of power stations where the tariff rates are yet to be approved/items indicated provisional by the CERC in their orders, provisional rates are adopted considering the applicable CERC Tariff Regulations. Revenue from sale of energy is recognized once the electricity has been delivered to the beneficiary and is measured through a regular review of usage meters. Beneficiaries are billed on a periodic and regular basis. As at each reporting date, revenue from sale of energy includes an accrual for sales delivered to beneficiaries but not yet billed i.e. contract assets/ unbilled revenue.

(c) The incentives/disincentives are accounted for based on the norms notified/approved by the CERC as per principles enunciated in Ind AS 115 – 'Revenue from contracts with customers'. In cases of power stations where the same have not been notified/approved, incentives/disincentives are accounted for on provisional basis.

(d) Part of revenue from energy sale where CERC tariff Regulations are not applicable is recognized based on the rates, terms & conditions mutually agreed with the beneficiaries and trading of power through power exchanges.

(e) Exchange differences arising from settlement/translation of monetary items denominated in foreign currency to the extent recoverable from or payable to the beneficiaries in subsequent periods as per the CERC Tariff Regulations are accounted as 'Regulatory deferred account balances' and such balances are adjusted in the year in which the same becomes recoverable/payable to the beneficiaries.

(f) Exchange differences on account of translation of foreign currency borrowings recognized up to 31 March 2016, to the extent recoverable from or payable to the beneficiaries in subsequent periods as per the CERC Tariff Regulations are accounted as 'Deferred foreign currency fluctuation asset' with corresponding credit to 'Deferred income from foreign currency fluctuation'. Deferred income from foreign currency fluctuation account is amortized in the proportion in which depreciation is charged on such exchange differences and same is adjusted against depreciation expense. Fair value changes in respect of forward exchange contracts for derivatives recoverable from/payable to the beneficiaries as per the CERC Tariff Regulations, are recognized in sales.

(g) Revenue from sale of energy through trading is recognized based on the rates, terms & conditions mutually agreed with the beneficiaries as per the guidelines issued by Ministry of New and Renewable Energy, Government of India.

(h) Rebates allowed to beneficiaries as early payment incentives are deducted from the amount of revenue.

(i) Revenue from sale of energy saving certificates is accounted for as and when sold.

13.2. Revenue from services

(a) Revenue from consultancy, project management and supervision services rendered is measured based on the consideration that is specified in a contract with a customer or is expected to be received in exchange for the services, which is determined on output method and excludes amounts collected on behalf of third parties. The Company recognizes revenue when the performance obligation is satisfied, which typically occurs when control over the services is transferred to a customer.

(b) Reimbursement of expenses is recognized as other income, as per the terms of the

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contracts.

(c) Contract modifications are accounted for when additions, deletions or changes are approved either to the contract scope or contract price. The accounting for modifications of contracts involves assessing whether the services added to an existing contract are distinct and whether the pricing is at the standalone selling price. Services added that are not distinct are accounted for on a cumulative catch up basis, while those that are distinct are accounted for prospectively, either as a separate contract, if the additional services are priced at the standalone selling price, or as a termination of the existing contract and creation of a new contract if not priced at the standalone selling price.

13.3. Other income

(a) Interest income is recognized, when no significant uncertainty as to measurability or collectability exist, on a time proportion basis taking into account the amount outstanding and the applicable interest rate, using the effective interest rate method (EIR). For debt instruments measured either at amortized cost or at fair value through other comprehensive income (OCI), interest income is recognized using the EIR to the gross carrying amount of the financial asset and included in other income in the statement of profit and loss. For purchased or originated credit-impaired (POCI) financial assets interest income is recognized by calculating the credit-adjusted EIR and applying that rate to the amortized cost of the asset.

(b) Insurance claims for loss of profit are accounted for in the year of acceptance. Other insurance claims are accounted for based on certainty of realization.

(c) Revenue from rentals and operating leases is recognized on an accrual basis in accordance with the substance of the relevant agreement.

(d) The interest/surcharge on late payment/overdue trade receivables for sale of energy is recognized when no significant uncertainty as to measurability or collectability exists.

(e) Interest/surcharge recoverable on advances to contractors and suppliers as well as warranty claims wherever there is uncertainty of realization/acceptance are not treated as accrued and are therefore, accounted for on receipt/acceptance.

(f) Dividend income is recognized in profit or loss only when the right to receive is established, it is probable that the economic benefits associated with the dividend will flow to the Company, and the amount of the dividend can be measured reliably.

14. Employee benefits

14.1. Defined contribution plans

A defined contribution plan is a post-employment benefit plan under which an entity pays fixed contributions to separate entities and will have no legal or constructive obligation to pay further amounts. Obligations for contributions to defined contribution plans are recognized as an employee benefits expense in statement of profit and loss in the period during which services are rendered by employees. Prepaid contributions are recognized as an asset to the extent that a cash refund or a reduction in future payments is available. Contributions to a defined contribution plan that are due after more than 12 months after the end of the period in which the employees render the service are discounted to their present value.

For detailed disclosure on Company's defined contribution schemes, refer note no 56.

14.2. Defined benefit plans

(a) A defined benefit plan is a post-employment benefit plan other than a defined contribution plan. The Company's liability towards gratuity, pension scheme at two of the stations in respect of taken over employees from the erstwhile state government power utility, post-retirement medical facility(PRMF), baggage allowance for settlement at home town after retirement, farewell gift on retirement and provident fund scheme to the extent of interest liability

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provident fund contribution are in the nature of defined benefit plans.

For detailed disclosure on Company's defined benefit schemes, refer note no 56.

(b) The Company's net obligation in respect of defined benefit plans is calculated separately for each plan by estimating the amount of future benefit that employees have earned in return for their service in the current and prior periods; that benefit is discounted to determine its present value. The fair value of any plan assets is deducted. The discount rate is based on the prevailing market yields of Indian government securities as at the reporting date that have maturity dates approximating the terms of the Company's obligations and that are denominated in the same currency in which the benefits are expected to be paid.

(c) The actuarial calculation is performed annually by a qualified actuary using the projected unit credit method. When the calculation results in a benefit to the Company, the recognized asset is limited to the present value of economic benefits available in the form of any future refunds from the plan or reductions in future contributions to the plan. An economic benefit is available to the Company if it is realizable during the life of the plan, or on settlement of the plan liabilities. Remeasurement comprising of actuarial gain and losses, return on plan assets (excluding the amount included in net interest on the net defined liability) & effect of asset ceiling (excluding the amount included in net interest on the net defined liability) and the same are recognized in the Other Comprehensive Income (OCI) in the period in which they arise.

(d) Past service costs are recognized in statement of profit and loss on the earlier of the date of the plan amendment or curtailment, and the date that the Company recognizes related restructuring costs. If a plan amendment, curtailment or settlement occurs, the current service cost and the net interest for the period after the re-measurement are determined using the assumptions used for the re-measurement.

14.3. Other long-term employee benefits

(a) Benefits under the Company's leave encashment, long-service award and economic rehabilitation scheme constitute other long term employee benefits.

(b) The Company's net obligation in respect of these long-term employee benefits is calculated separately for each plan by estimating the amount of future benefit that employees have earned in return for their service in the current and prior periods; that benefit is discounted to determine its present value and the fair value of any related assets is deducted. The discount rate is based on the prevailing market yields of Indian government securities as at the reporting date that have maturity dates approximating the terms of the Company's obligations and that are denominated in the same currency in which the benefits are expected to be paid.

(c) The actuarial calculation is performed annually by a qualified actuary using the projected unit credit method. Remeasurement comprising actuarial gain and losses, return on plan assets (excluding the amount included in net interest on the net defined liability) & effect of asset ceiling (excluding the amount included in net interest on the net defined liability) and the same are recognized in statement of profit and loss account in the period in which they arise.

(d) The obligations are presented as current liabilities in the balance sheet if the entity does not have an unconditional right to defer settlement for at least twelve months after the reporting period, regardless of when the actual settlement is expected to occur.

14.4. Short-term benefits

Short-term employee benefit obligations are measured on an undiscounted basis and are ...

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as the related service is provided.

A liability is recognized for the amount expected to be paid under performance related pay if the Company has a present legal or constructive obligation to pay this amount as a result of past service provided by the employee and the obligation can be estimated reliably.

15. Income tax

(a) Income tax expense comprises current and deferred tax. Current tax expense is recognized in statement of profit and loss except to the extent that it relates to items recognized directly in OCI or equity, in which case it is recognized in OCI or equity, respectively.

(b) Current tax is the expected tax payable on the taxable income for the year computed as per the provisions of Income Tax Act, 1961, using tax rates enacted or substantively enacted by the end of the reporting period, and any adjustment to tax payable in respect of previous years.

(c) Deferred tax is recognized using the balance sheet method, on temporary differences between the carrying amounts of assets and liabilities for financial reporting purposes and the tax bases of assets and liabilities. Deferred tax is measured at the tax rates that are expected to be applied to temporary differences when they materialize, based on the laws that have been enacted or substantively enacted by the reporting date. Deferred tax assets and liabilities are offset if there is a legally enforceable right to offset current tax assets against the current tax liabilities, and they relate to income taxes levied by the same tax authority.

(d) Deferred tax is recognized in statement of profit and loss except to the extent that it relates to items recognized directly in OCI or equity, in which case it is recognized in OCI or equity, respectively.

(e) Deferred tax liability is recognized for all taxable temporary differences, except when the deferred tax liability arises from the initial recognition of goodwill or an asset or liability in a transaction that is not a business combination and, at the time of transaction, (i) affects neither accounting nor taxable profit or loss and (ii) does not give rise to equal taxable and deductible temporary differences.

(f) A deferred tax asset is recognized for all deductible temporary differences to the extent that it is probable that future taxable profits will be available against which the deductible temporary difference can be utilized. Deferred tax assets are reviewed at each reporting date and are reduced to the extent that it is no longer probable that the sufficient taxable profits will be available in future to allow all or part of deferred tax assets to be utilized.

(g) Deferred tax assets include Minimum Alternative Tax (MAT) paid in accordance with the tax laws in India, which is likely to give future economic benefits in the form of availability of set off against future income tax liability. MAT credit is recognized as deferred tax asset in the balance sheet when the asset can be measured reliably and it is probable that the future taxable profit will be available against which MAT credit can be utilized.

(h) When there is uncertainty regarding income tax treatments, the Company assesses whether a tax authority is likely to accept an uncertain tax treatment. If it concludes that the tax authority is unlikely to accept an uncertain tax treatment, the effect of the uncertainty on taxable income, tax bases and unused tax losses and unused tax credits is recognized. The effect of the uncertainty is recognized using the method that, in each case, best reflects the outcome of the uncertainty: the most likely outcome or the expected value. For each case, the Company evaluates whether to consider each uncertain tax treatment separately, or in conjunction with another or several other uncertain tax treatments, based on the approach that best prefixes the resolution of uncertainty.

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16. Leases

16.1. As lessee

(a) The Company assesses whether a contract contains a lease, at inception of a contract. A contract is, or contains, a lease if the contract conveys the right to control the use of an identified asset for a period of time in exchange for consideration. To assess whether a contract conveys the right to control the use of an identified asset, the Company assesses whether: (1) the contact involves the use of an identified asset (2) the Company has substantially all of the economic benefits from use of the asset through the period of the lease and (3) the Company has the right to direct the use of the asset.

(b) The Company recognizes a right-of-use asset and a corresponding lease liability for all lease arrangements in which it is a lessee, except for leases with a term of twelve months or less (short-term leases) and leases for low value underlying assets. For these short-term and leases for low value underlying assets, the Company recognizes the lease payments as an operating expense on a straight-line basis over the term of the lease.

(c) Certain lease arrangements include the options to extend or terminate the lease before the end of the lease term. Right-of use assets and lease liabilities include these options when it is reasonably certain that the option to extend the lease will be exercised/option to terminate the lease will not be exercised.

(d) The right-of-use assets (other than land and buildings) are initially recognized at cost, which comprises the initial amount of the lease liability adjusted for any lease payments made at or prior to the commencement date of the lease plus any initial direct costs less any lease incentives. They are subsequently measured at cost less accumulated depreciation/amortization and impairment losses and adjusted for any reassessment of lease liabilities.

(e) Right-of-use assets are depreciated/amortized from the commencement date to the end of the useful life of the underlying asset, if the lease transfers ownership of the underlying asset by the end of lease term or if the cost of right-of-use assets reflects that the purchase option will be exercised. Otherwise, Right-of-use assets are depreciated/amortized from the commencement date on a straight-line basis over the shorter of the lease term and useful life of the underlying asset.

(f) Right-of-use assets are evaluated for recoverability whenever events or changes in circumstances indicate that their carrying amounts may not be recoverable. For the purpose of impairment testing, the recoverable amount (i.e. the higher of the fair value less costs of disposal and the value-in-use) is determined on an individual asset basis unless the asset does not generate cash flows that are largely independent of those from other assets. In such cases, the recoverable amount is determined for the Cash Generating Unit (CGU) to which the asset belongs.

(g) The lease liability is initially measured at amortized cost at the present value of the future lease payments. In calculating the present value, lease payments are discounted using the interest rate implicit in the lease or, if not readily determinable, using the incremental borrowing rate. Lease liabilities are re-measured with a corresponding adjustment to the related right-of-use asset if the Company changes its assessment whether it will exercise an extension or a termination option.

16.2. As lessor

At the inception of an arrangement, the Company determines whether such an arrangement is or contains a lease. A specific asset is subject of a lease if fulfillment of the arrangement is dependent on the use of that specified asset. An arrangement conveys the right to use the asset if the arrangement conveys to the customer the right to control the use of the underlying asset. Arrangements that do not take the legal form of a lease but convey rights to customers/suppliers

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use an asset in return for a payment or a series of payments are identified as either finance leases or operating leases.

When the Company is an intermediate lessor, it accounts for its interests in the head lease and the sub lease separately. It assesses the lease classification of a sub-lease with reference to the right-of-use assets arising from the head lease, not with reference to the underlying asset .

Accounting for finance leases

Where the Company determines a long term Power Purchase Agreement (PPA) to be or to contain a lease and where the off taker has the principal risk and rewards of ownership of the power plant through its contractual arrangements with the Company, the arrangement is considered a finance lease. Capacity payments are apportioned between capital repayments relating to the provision of the plant, finance income and service income. The finance income element of the capacity payment is recognized as revenue, using a rate of return specific to the plant to give a constant periodic rate of return on the net investment in each period. The service income element of the capacity payment is the difference between the total capacity payment and the amount recognized as finance income and capital repayments and recognized as revenue as it is earned.

The amounts due from lessees under finance leases are recorded in the balance sheet as financial assets, classified as 'Finance lease receivables', at the amount equal to the net investment in the lease.

Accounting for operating leases

Where the Company determines a long term PPA to be or to contain a lease and where the Company retains the principal risks and rewards of ownership of the power plant, the arrangement is considered an operating lease.

For operating leases, the power plant is capitalized as property, plant and equipment and depreciated over its economic life. Rental income from operating leases is recognized on a straight line basis over the term of the arrangement.

17. Impairment of non-financial assets

(a) The carrying amounts of the Company's non-financial assets are reviewed at each reporting date to determine whether there is any indication of impairment considering the provisions of Ind AS 36 - 'Impairment of Assets'. If any such indication exists, then the asset's recoverable amount is estimated.

(b) The recoverable amount of an asset or cash-generating unit is the higher of its fair value less costs of disposal and its value in use. In assessing value in use, the estimated future cash flows are discounted to their present value using a pre-tax discount rate that reflects current market assessments of the time value of money and the risks specific to the asset. For the purpose of impairment testing, assets that cannot be tested individually are grouped together into the smallest group of assets that generates cash inflows from continuing use that are largely independent of the cash inflows of other assets or groups of assets (the 'cash-generating unit', or "CGU").

(c) An impairment loss is recognized if the carrying amount of an asset or its CGU exceeds its estimated recoverable amount. Impairment losses are recognized in the statement of profit and loss. Impairment losses recognized in respect of CGUs are reduced from the carrying amounts of the assets of the CGU.

(d) Impairment losses recognized in prior periods are assessed at each reporting date for any indications that the loss has decreased or no longer exists. An impairment loss is reversed if there has been a change in the estimates used to determine the recoverable amount. An impairment loss is reversed only to the extent that the asset's carrying amount does not exceed the carrying amount that would have been determined, net of accumulated depreciation,

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amortization, if no impairment loss had been recognized.

18. Operating segments

In accordance with Ind AS 108-'Operating segments', the operating segments used to present segment information are identified on the basis of internal reports used by the Company's management to allocate resources to the segments and assess their performance. The Board of Directors is collectively the Company's 'Chief Operating Decision Maker' or 'CODM' within the meaning of Ind AS 108. The indicators used for internal reporting purposes may evolve in connection with performance assessment measures put in place.

19. Business Combinations

a) Business combinations are accounted for using the acquisition accounting method as at the date of the acquisition, which is the date at which control is transferred to the Company. The consideration transferred in the acquisition and the identifiable assets acquired and liabilities assumed are recognized at fair values on their acquisition date. Goodwill is initially measured at cost, being the excess of the consideration transferred over the net identifiable assets acquired and liabilities assumed. Where the fair value of net identifiable assets acquired and liabilities assumed exceed the consideration transferred, after reassessing the fair values of the net assets and contingent liabilities, the excess is recognized as capital reserve. Acquisition related costs are expensed as incurred.

b) Business combinations involving entities that are controlled by the Company are accounted for using the pooling of interests method wherein the assets and liabilities of the combining entities are reflected at their carrying amounts and no adjustments are made to reflect fair values, or recognise any new assets or liabilities. The only adjustments that are made are to harmonise accounting policies.

The financial information in the financial statements in respect of prior periods is restated as if the business combination had occurred from the beginning of the preceding period in the financial statements, irrespective of the actual date of the combination. However, where the business combination had occurred after that date, the prior period information is restated only from that date.

The balance of the retained earnings appearing in the financial statements of the transferor is aggregated with the corresponding balance appearing in the financial statements of the transferee. The identity of the reserves is preserved and the reserves of the transferor become the reserves of the transferee. The difference, if any, between the amounts recorded as share capital issued plus any additional consideration in the form of cash or other assets and the amount of share capital of the transferor is transferred to capital reserve and is presented separately from other capital reserves.

20. Dividends

Dividends and interim dividends payable to the Company's shareholders are recognized as changes in equity in the period in which they are approved by the shareholders and the Board of Directors respectively.

21. Material prior period errors

Material prior period errors are corrected retrospectively by restating the comparative amounts for the prior periods presented in which the error occurred. If the error occurred before the earliest period presented, the opening balances of assets, liabilities and equity for the earliest period presented, are restated.

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22. Financial instruments

A financial instrument is any contract that gives rise to a financial asset of one entity and a financial liability or equity instrument of another entity. The Company recognizes a financial asset or a financial liability only when it becomes party to the contractual provisions of the instrument.

22.1. Financial assets

Initial recognition and measurement

All financial assets are recognized at fair value on initial recognition, except for trade receivables which are initially measured at transaction price. Transaction costs that are directly attributable to the acquisition of financial assets, which are not valued at fair value through profit or loss, are added to the fair value on initial recognition.

Subsequent measurement

Debt instruments at amortized cost

A 'debt instrument' is measured at the amortized cost if both the following conditions are met:

(a) The asset is held within a business model whose objective is to hold assets for collecting contractual cash flows, and
(b) Contractual terms of the asset give rise on specified dates to cash flows that are solely payments of principal and interest (SPPI) on the principal amount outstanding.

After initial measurement, such financial assets are subsequently measured at amortized cost using the effective interest rate (EIR) method. Amortized cost is calculated by taking into account any discount or premium on acquisition and fees or costs that are an integral part of the EIR. The EIR amortization is included in finance income in the statement of profit and loss. The losses arising from impairment are recognized in the statement of profit and loss. This category generally applies to trade and other receivables.

Debt instrument at FVTOCI (Fair value through OCI)

A 'debt instrument' is classified as at the FVTOCI if both of the following criteria are met:

(a) The objective of the business model is achieved both by collecting contractual cash flows and selling the financial assets, and
(b) The asset's contractual cash flows represent SPPI

Debt instruments included within the FVTOCI category are measured initially as well as at each reporting date at fair value. Fair value movements are recognized in the OCI. However, the Company recognizes interest income, impairment losses & reversals and foreign exchange gain or loss in the statement of profit and loss. On de-recognition of the asset, cumulative gain or loss previously recognized in OCI is reclassified from the equity to the statement of profit and loss. Interest earned whilst holding FVTOCI debt instrument is reported as interest income using the EIR method.

Debt instrument at FVTPL (Fair value through profit or loss)

FVTPL is a residual category for debt instruments. Any debt instrument, which does not meet the criteria for categorization as at amortized cost or as FVTOCI, is classified as at FVTPL.

In addition, the Company may elect to classify a debt instrument, which otherwise meets amortized cost or FVTOCI criteria, as at FVTPL. However, such election is allowed only if doing so reduces or eliminates a measurement or recognition inconsistency (referred to as 'accounting mismatch'). Debt instruments included within the FVTPL category are measured at fair value with all changes recognized in the statement of profit and loss. Interest income on such investments is presented under 'Other income'.

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Business model assessment

The Company holds financial assets which arise from its ordinary course of business and investment property. The objective of the business model for these financial assets is to collect the amounts due from the Company's receivables and to earn contractual interest income on the amounts collected.

Investment in Equity instruments

All equity investments in entities other than subsidiaries and joint venture companies are measured at fair value. Equity instruments which are held for trading are classified as at FVTPL. For all other equity instruments, the Company decides to classify the same either as at FVTOCI or FVTPL. The Company makes such election on an instrument by instrument basis. The classification is made on initial recognition and is irrevocable.

If the Company decides to classify an equity instrument as at FVTOCI, then all fair value changes on the instrument, excluding dividends, are recognized in the OCI. There is no recycling of the amounts from OCI to statement of profit and loss, even on sale/ disposal of investments. However, the Company may transfer the cumulative gain or loss within equity on sale / disposal of the investments.

Equity instruments included within the FVTPL category are measured at fair value with all changes recognized in the statement of profit and loss. Dividend on such investments is presented under 'Other income'.

Equity investments in subsidiaries and joint ventures companies are accounted at cost less impairment, if any.

The Company reviews the carrying value of investments at each reporting date to determine whether there is any indication of impairment. If any such indication exists, then the recoverable amount of the investment is estimated. If the recoverable amount is less than the carrying amount, the impairment loss is recognized in the statement of profit and loss.

De-recognition

A financial asset (or, where applicable, a part of a financial asset or part of a Group of similar financial assets) is primarily de-recognized (i.e. removed from the Company's balance sheet) when:

- The rights to receive cash flows from the asset have expired, or
- The Company has transferred its rights to receive cash flows from the asset or has assumed an obligation to pay the received cash flows in full without material delay to a third party under a 'pass-through' arrangement; and either (a) the Company has transferred substantially all the risks and rewards of the asset, or (b) the Company has neither transferred nor retained substantially all the risks and rewards of the asset, but has transferred control of the asset.

The difference between the carrying amount and the amount of consideration received/receivable is recognized in the statement of profit and loss except for equity instruments classified as at FVTOCI, where such differences are recorded in OCI.

Impairment of financial assets

In accordance with Ind AS 109-'Financial instruments', the Company applies expected credit loss (ECL) model for measurement and recognition of impairment loss on the following financial assets and credit risk exposure:

(a) Financial assets that are debt instruments, and are measured at amortized cost e.g., loans, debt securities, deposits and bank balance.
(b) Financial assets that are debt instruments and are measured as at FVTOCI.
(c) Lease receivables under Ind AS 116.
(d) Trade receivables, unbilled revenue and contract assets under Ind AS 115.

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(e) Loan commitments which are not measured as at FVTPL.
(f) Financial guarantee contracts which are not measured as at FVTPL.

For trade receivables and contract assets/unbilled revenue, the Company applies the simplified approach required by Ind AS 109 Financial Instruments, which requires lifetime expected losses to be recognized from initial recognition.

For recognition of impairment loss on other financial assets and risk exposure (other than purchased or originated credit impaired financial assets), the Company determines that whether there has been a significant increase in the credit risk since initial recognition. If credit risk has not increased significantly, 12-month ECL is used to provide for impairment loss. However, if credit risk has increased significantly, lifetime ECL is used. If, in a subsequent period, credit quality of the instrument improves such that there is no longer a significant increase in credit risk since initial recognition, then the entity reverts to recognizing impairment loss allowance based on 12 month ECL.
For purchased or originated credit impaired financial assets, a loss allowance is recognized for the cumulative changes in lifetime expected credited losses since initial recognition.

22.2. Financial liabilities

Initial recognition and measurement

Financial liabilities are classified, at initial recognition, as financial liabilities at fair value through profit or loss and financial liabilities at amortized cost, as appropriate. All financial liabilities are recognized initially at fair value and, in the case of liabilities subsequently measured at amortized cost net of directly attributable transaction cost. The Company's financial liabilities include trade and other payables, borrowings including bank overdrafts, financial guarantee contracts and derivative financial instruments.

Subsequent measurement

The measurement of financial liabilities depends on their classification, as described below:

Financial liabilities at amortized cost

After initial measurement, such financial liabilities are subsequently measured at amortized cost using the EIR method. Gains and losses are recognized in statement of profit and loss when the liabilities are derecognized as well as through the EIR amortization process Amortized cost is calculated by taking into account any discount or premium on acquisition and fees or costs that are an integral part of the EIR. The EIR amortization is included in finance costs in the statement of profit and loss. This category generally applies to borrowings, trade payables and other contractual liabilities.

Financial liabilities at fair value through profit or loss

Financial liabilities at fair value through profit or loss include financial liabilities held for trading and financial liabilities designated upon initial recognition as at fair value through profit or loss. Financial liabilities are classified as held for trading if they are incurred for the purpose of repurchasing in the near term. This category also includes derivative financial instruments entered into by the Company that are not designated as hedging instruments in hedge relationships as defined by Ind AS 109. Separated embedded derivatives are also classified as held for trading unless they are designated as effective hedging instruments.

Gains or losses on liabilities held for trading are recognized in the statement of profit and loss.

Financial liabilities designated upon initial recognition at fair value through profit or loss are designated at the initial date of recognition, and only if the criteria in Ind AS 109 are satisfied. For liabilities designated as FVTPL, fair value gains/losses attributable to changes in own credit risk is recognized in OCI. These gains/losses are not subsequently transferred to profit and loss.

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the Company may transfer the cumulative gain or loss within equity on disposal. All other changes in fair value of such liability are recognized in the statement of profit and loss. The Company has not designated any financial liability as at fair value through profit and loss.

De-recognition

A financial liability is derecognized when the obligation under the liability is discharged or cancelled or expires. When an existing financial liability is replaced by another from the same lender on substantially different terms, or the terms of an existing liability are substantially modified, such an exchange or modification is treated as the de-recognition of the original liability and the recognition of a new liability. The difference in the respective carrying amounts is recognized in the statement of profit and loss.

22.3. Interest rate benchmark reform

When the basis for determining the contractual cash flows of a financial asset or financial liability measured at amortised cost is changed as a result of interest rate benchmark reform, the Company updated the effective interest rate of the financial asset or financial liability to reflect the change that is required by the reform. A change in the basis for determining the contractual cash flows is required by interest rate benchmark reform if the following conditions are met:

– the change is necessary as a direct consequence of the reform; and

– the new basis for determining the contractual cash flows is economically equivalent to the previous basis – i.e. the basis immediately before the change.

When changes were made to a financial asset or financial liability in addition to changes to the basis for determining the contractual cash flows required by interest rate benchmark reform, the Company first updates the effective interest rate of the financial asset or financial liability to reflect the change that is required by interest rate benchmark reform and does not recognise a modification gain or loss in the profit & loss statement. After that, the Company applies the policies on accounting for modifications to the additional changes.

22.4. Financial guarantee contracts

Financial guarantee contracts issued by the Company are those contracts that require a payment to be made to reimburse the holder for a loss it incurs because the specified debtor fails to make a payment when due in accordance with the terms of a debt instrument. Financial guarantee contracts are recognized initially as a liability at fair value, adjusted for transaction costs that are directly attributable to the issuance of the guarantee. Subsequently, the liability is measured at the higher of the amount of loss allowance determined as per impairment requirements of Ind AS 109 - 'Financial Instruments' and the amount recognized less the cumulative amount of income recognized in accordance with the principles of Ind AS 115 'Revenue from Contracts with Customers'.

22.5. Derivative financial instruments

Initial recognition and subsequent measurement

The Company uses derivative financial instruments, such as forward currency contracts and interest rate swaps to hedge its foreign currency risks and interest rate risks of foreign currency loans. Such derivative financial instruments are initially recognized at fair value on the date on which a derivative contract is entered into and are subsequently re-measured at fair value. Derivatives are carried as financial assets when the fair value is positive and as financial liabilities when the fair value is negative. Any gains or losses arising from changes in the fair value of derivatives are taken to statement of profit and loss.

22.6. Offsetting of financial assets and financial liabilities

Financial assets and financial liabilities are offset and the net amount is presented in the balance sheet if there is a currently enforceable legal right to offset the recognized amounts and the

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intention to settle on a net basis, to realize the assets and settle the liabilities simultaneously.

23. Non -Current Assets Held for Sale

(a) The Company classifies non-current assets and disposal groups as held for sale if their carrying amounts will be recovered principally through a sale rather than through continuing use and a sale is considered highly probable.

(b) Management must be committed to the sale, which should be expected to qualify for recognition as a completed sale within one year from the date of classification as held for sale, and actions required to complete the plan of sale should indicate that it is unlikely that significant changes to the plan will be made or that the plan will be withdrawn.

(c) Non-Current Assets held for sale and disposal groups are measured at the lower of their carrying amount and the fair value less cost of disposal.

(d) Property, plant and equipment and intangible assets once classified as held for sale are not depreciated or amortized.

(e) In circumstances, where an item of property, plant and equipment and intangible asset is permanently abandoned and retired from active use, however criteria of 'non-current assets held for sale' as above are not met, such items are not classified as held for sale and continued to be depreciated over their revised useful lives, as assessed. Such assets are evaluated for impairment in accordance with material accounting policy no. C.17.

D. Use of estimates and management judgements

The preparation of financial statements requires management to make judgments, estimates and assumptions that may impact the application of accounting policies and the reported value of assets, liabilities, revenue expenses and related disclosures concerning the items involved as well as contingent assets and liabilities at the balance sheet date. The estimates and management's judgments are based on previous experience & other factors considered reasonable and prudent in the circumstances. Actual results may differ from these estimates.

Estimates and underlying assumptions are reviewed on an ongoing basis. Revisions to accounting estimates are recognized in the period in which the estimates are revised and in any future periods affected.

In order to enhance understanding of the financial statements, information about significant areas of estimation, uncertainty and critical judgments in applying accounting policies that have the most significant effect on the amounts recognized in the financial statements is as under:

1. Formulation of accounting policies

The accounting policies are formulated in a manner that results in financial statements containing relevant and reliable information about the transactions, other events and conditions to which they apply. Those policies need not be applied when the effect of applying them is immaterial.

2. Useful life of property, plant and equipment and intangible assets

The estimated useful life of property, plant and equipment and intangible assets is based on a number of factors including the effects of obsolescence, demand, competition and other economic factors (such as the stability of the industry and known technological advances) and the level of maintenance expenditures required to obtain the expected future cash flows from the asset.

Useful life of the assets of the generation of electricity business and integrated coal mines (where tariff is regulated) is determined by the CERC Tariff Regulations in accordance with Schedule II of the Companies Act, 2013.

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3. Recoverable amount of property, plant and equipment and intangible assets

The recoverable amount of property, plant and equipment and intangible assets is based on estimates and assumptions regarding in particular the expected market outlook and future cash flows associated with the power plants. Any changes in these assumptions may have a material impact on the measurement of the recoverable amount and could result in impairment.

4. Defined benefit plans and long-term employee benefits

Employee benefit obligations are measured on the basis of actuarial assumptions which include mortality and withdrawal rates as well as assumptions concerning future developments in discount rates, the rate of salary increases and the inflation rate. The Company considers that the assumptions used to measure its obligations are appropriate and documented. However, any changes in these assumptions may have a material impact on the resulting calculations.

5. Revenues

The Company records revenue from sale of energy based on tariff rates approved by the CERC as modified by the orders of Appellate Tribunal for Electricity, as per principles enunciated under Ind AS 115. However, in cases where tariff rates are yet to be approved, provisional rates are adopted considering the applicable CERC Tariff Regulations.

6. Leases not in legal form of lease

Significant judgment is required to apply lease accounting rules as per Ind AS 116 in determining whether an arrangement contains a lease. In assessing arrangements entered into by the Company, management has exercised judgment to evaluate the right to use the underlying asset, substance of the transactions including legally enforceable agreements and other significant terms and conditions of the arrangements to conclude whether the arrangement meets the criteria as per Ind AS 116.

7. Assets held for sale

Significant judgment is required to apply the accounting of non-current assets held for sale under Ind AS 105 - 'Non-current assets held for sale and discontinued operations'. In assessing the applicability, management has exercised judgment to evaluate the availability of the asset for immediate sale, management's commitment for the sale and probability of sale within one year to conclude if their carrying amount will be recovered principally through a sale transaction rather than through continuing use.

8. Regulatory deferral account balances

Recognition of regulatory deferral account balances involves significant judgments including about future tariff regulations since these are based on estimation of the amounts expected to be recoverable/payable through tariff in future.

9. Provisions and contingencies

The assessments undertaken in recognizing provisions and contingencies have been made in accordance with Ind AS 37-'Provisions, contingent liabilities and contingent assets'. The evaluation of the likelihood of the contingent events require best judgment by management regarding the probability of exposure to potential loss. Should circumstances change following unforeseeable developments, this likelihood could alter.

10. Impairment test of investments in Subsidiaries and Joint Venture Companies

The recoverable amount of investment in subsidiaries and joint venture companies is based on estimates and assumptions regarding in particular the future cash flows associated with the operations of the investee Company. Any changes in these assumptions may have a material impact on the measurement of the recoverable amount and could result in impairment.

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11. Income taxes

Significant estimates are involved in determining the provision for current and deferred tax, including amount expected to be paid/recovered for uncertain tax positions.

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Note forming part of Balance Sheet

(Amount in Rupees)

NOTE NO. 2 TO THE FS-NCA-PROPERTY, PLANT AND EQUIPMENT

Business Area :1078

Asset Class	Opening Gross Block As At 31.03.2025	Additions	Deductions/ Adjustments	Closing Gross Block As At 01.04.2025	Opening Depreciation As At 31.03.2025	Additions	Deductions/ Adjustments	Closing Depreciation As At 01.04.2025	Net Block As At 01.04.2025	Net Block As At 31.03.2025
1 TANGIBLE ASSETS	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2 Land : (including development expenses)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3 Freehold	710808739.00	0.00	0.00	710808739.00	0.00	0.00	0.00	0.00	710808739.00	710808739.00
4 Right of Use	98539501.00	0.00	0.00	98539501.00	19058609.40	0.00	0.00	19058609.40	79480891.60	79480891.60
5 Submergence	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6 Right of use - Coal Bearing Area Land	6229698864.61	0.00	0.00	6229698864.61	196898440.48	272553389.00	0.00	469451829.48	5760247035.13	6032800424.13
7 Roads,bridges, culverts & helipads	2664628.00	0.00	0.00	2664628.00	332803.64	0.00	0.00	332803.64	2331824.36	2331824.36
8 Building :	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
9 Freehold	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
10 Main plant	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
11 Others	34422523.58	0.00	0.00	34422523.58	13965131.99	0.00	0.00	13965131.99	20457391.59	20457391.59
12 Right of Use	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13 Temporary erection	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
14 Water Supply, drainage & sewerage system	1419080.00	0.00	0.00	1419080.00	630704.95	0.00	0.00	630704.95	788375.05	788375.05
15 Hydraulic works, barrages, dams, tunnels and power channel	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
16 MGR track and signalling system	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
17 Railway siding	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
18 Earth dam reservoir	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
19 Plant and machinery(including associated civil works) Owned Asset	36445901.38	0.00	0.00	36445901.38	2207753.28	0.00	0.00	2207753.28	34238148.10	34238148.10

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Note forming part of Balance Sheet

(Amount in Rupees)

NOTE NO. 2 TO THE FS-NCA-PROPERTY, PLANT AND EQUIPMENT

Business Area :1078

Asset Class	Opening Gross Block As At 31.03.2025	Additions	Deductions/ Adjustments	Closing Gross Block As At 01.04.2025	Opening Depreciation As At 31.03.2025	Additions	Deductions/ Adjustments	Closing Depreciation As At 01.04.2025	Net Block As At 01.04.2025	Net Block As At 31.03.2025
20 Plant and machinery(including associated civil works) -Right of use Asset	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
21 Furniture and fixtures	24439035.73	0.00	0.00	24439035.73	3515867.53	0.00	0.00	3515867.53	20923168.20	20923168.20
22 Assets under 5 Km Scheme	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
23 Vehicles including speedboats / helicopter-Owned	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
24 Vehicles including speedboats / helicopter - Right of Use	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
25 Office equipment	19397800.35	0.00	0.00	19397800.35	3519669.22	0.00	0.00	3519669.22	15878131.13	15878131.13
26 EDP, WP machines and satcom equipment	16684659.98	0.00	0.00	16684659.98	7804964.74	0.00	0.00	7804964.74	8879695.24	8879695.24
27 Construction equipments	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
28 Electrical Installations	15834161.23	0.00	0.00	15834161.23	1083852.52	0.00	0.00	1083852.52	14750308.71	14750308.71
29 Communication equipments	5134512.66	0.00	0.00	5134512.66	798793.48	0.00	0.00	798793.48	4335719.18	4335719.18
30 Hospital equipments	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
31 Laboratory and workshop equipments	3531290.48	0.00	0.00	3531290.48	215738.15	0.00	0.00	215738.15	3315552.33	3315552.33
32 Capital expenditure on assets not owned by the Company	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
33 Assets of Government	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

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Date: 2025.06.28 14:23:24 IST
Reason: AGM(Commercial)
Location: NTPC Limited

Note forming part of Balance Sheet

(Amount in Rupees)

NOTE NO. 2 TO THE FS-NCA-PROPERTY, PLANT AND EQUIPMENT

Business Area :1078

Asset Class	Opening Gross Block As At 31.03.2025	Additions	Deductions/ Adjustments	Closing Gross Block As At 01.04.2025	Opening Depreciation As At 31.03.2025	Additions	Deductions/ Adjustments	Closing Depreciation As At 01.04.2025	Net Block As At 01.04.2025	Net Block As At 31.03.2025
34 Less:Grants from Government	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
35 Less: Recoverable from GOI	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
36 Assets for ash utilisation	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
37 (Less):-Adjusted from fly ash utilisation reserve fund	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
38 Site Restoration Cost	0.00	1296100000.00	0.00	1296100000.00	0.00	0.00	0.00	0.00	1296100000.00	0.00
39 Mining Properties	0.00	6591583308.97	0.00	6591583308.97	0.00	0.00	0.00	0.00	6591583308.97	0.00
Grand Total (Tangible)	7199020698.00	7887683308.97	0.00	15086704006.97	250032329.38	272553389.00	0.00	522585718.38	14564118288.59	6948988368.62
Grand Total Prev Year (Tangible)	6191330694.73	1007709803.27	(19800.00)	7199020698.00	190744677.12	59290160.26	(2508.00)	250032329.38	6948988368.62	6000586017.61

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Date: 2025.06.28 14:23:24 IST
Reason: AGM(Commercial)
Location: NTPC Limited

Note forming part of Balance Sheet
NOTE NO. 2 TO THE FS-NCA-PROPERTY, PLANT AND EQUIPMENT
Business Area :1078

(Amount in Rupees)

Details of Adjustments of Gross Block and Depreciation/Amortization				
Particulars	**Gross Block**		**Depreciation/Amortization**	
	Tangible As At: 01.04.2025	**Tangible As At: 31.03.2025**	**Tangible As At: 01.04.2025**	**Tangible As At: 31.03.2025**
Disposal of assets	0.00	0.00	0.00	0.00
Retirement of assets	0.00	0.00	0.00	0.00
Cost adjustments	0.00	0.00	0.00	0.00
Assets capitalised with retrospective effect / Write back of excess capitalisation	0.00	0.00	0.00	0.00
Depreciation on construction equipment capitalised as EDC	0.00	0.00	0.00	0.00
Prior Period Depreciation due to Assets capitalised with retrospective effect / Write back of excess capitalisation	0.00	0.00	0.00	0.00
Special Depreciation (As per New Policy)	0.00	0.00	0.00	0.00
Transfer in /out because of Inter Unit transfers	0.00	0.00	0.00	0.00
Others	0.00	0.00	0.00	0.00
TOTAL	**0.00**	**0.00**	**0.00**	**0.00**

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Date: 2025.06.28 14:23:24 IST
Reason: AGM(Commercial)
Location: NTPC Limited

Note forming part of Balance Sheet
NOTE NO. 3 TO THE FS-NCA-CAPITAL WORK-IN-PROGRESS
Business Area: KERENDARI 'A' COAL MINING PROJ

(Amount in Rupees)

Sl No	Asset Class	As At 31.03.2025	Addition	Deduction/ Adjustment	Capitalized	As At 01.04.2025
	1	2	3	4	5	6
1	CAPITAL WORK-IN-PROGRESS					
2	Development of land					
3	Roads, bridges, culverts & helipads					
4	Piling and foundation					
5	Buildings :					
6	Main plant					
7	Others					
8	Temporary erection					
9	Water supply, drainage and sewerage system					
10	Hydraulic works, barrages, dams, tunnels and power channel					
11	MGR track and signalling system					
12	Railway siding					
13	Earth dam reservoir					
14	Plant and equipment	7541134605.25				7541134605.25
15	Furniture and fixtures					
16	Vehicles					
17	Office equipment					
18	EDP/WP machines & satcom equipment	1440260.30				1440260.30
19	Construction equipments					
20	Electrical installations					
21	Communication equipment					
22	Hospital equipments					
23	Laboratory and workshop equipments					
24	Assets under 5Km Scheme of the GOI					
25	Capital expenditure on assets not owned by the company					
26	Expenditure towards development of coal mines	6319029919.97	272553389.00		(6591583308.97)	0.00
27	Survey,Investigation,Consultancy & Supervision Cha					
28	Difference in exchange on foreign currency loans					

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Date: 2025.06.29 14:23:24 IST
Reason: AGM(Commercial)
Location: NTPC Limited

Note forming part of Balance Sheet
NOTE NO. 3 TO THE FS-NCA-CAPITAL WORK-IN-PROGRESS
Business Area: KERENDARI 'A' COAL MINING PROJ

(Amount in Rupees)

Sl No	Asset Class	As At 31.03.2025	Addition	Deduction/ Adjustment	Capitalized	As At 01.04.2025
	1	2	3	4	5	6
29	Expenditure towards diversion of forest land					
30	Pre-commissioning expenses (net)					
31	ExpPendAlloca-oth ex attribut Project					
32	Expenditure During Construction Period (net)*					
33	LESS : Allocated to related works					
34	LESS : Provision for Unservicable works					
35	**Construction stores (At Cost)**					
36	Steel					
37	Cement					
38	Others	39521358.00	0.00	0.00		39521358.00
39	**Sub-total**	39521358.00	**0.00**	**0.00**		**39521358.00**
40	LESS : Provision for shortages					
41	**Sub-total**	39521358.00	**0.00**	**0.00**		**39521358.00**
42	**Total CWIP**	**13901126143.52**	**272553389.00**	**0.00**	**(6591583308.97)**	**7582096223.55**
43						
44						
45	**PREVIOUS YEAR TOTAL**	**11505439272.24**	**6277169095.80.00**	**(3663715001.52)**	**217767223.00**	**13901126143.52**

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Reason: AGM(Commercial)
Location: NTPC Limited

Note forming part of Balance Sheet
NOTE NO. 4 TO THE FS-NCA-INVESTMENT PROPERTY
Business Area :1078

(Amount in Rupees)

Asset Class	Opening Gross Block As At 31.03.2025	Additions	Deductions/ Adjustments	Closing Gross Block As At 01.04.2025	Opening Depreciation As At 31.03.2025	Additions	Deductions/ Adjustments	Closing Depreciation As At 01.04.2025	Net Block As At 01.04.2025	Net Block As At 31.03.2025
INVESTEMENT PROPERTY	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1 Free Hold Land	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2 ROU Land	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Grand Total (Investment Property)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Grand Total Prev Year (Investment Property)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

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Reason: AGM(Commercial)
Location: NTPC Limited

Note forming part of Balance Sheet
NOTE NO. 4 TO THE FS-NCA-INVESTMENT PROPERTY
Business Area :1078

(Amount in Rupees)

Details of Adjustments of Gross Block and Depreciation/Amortization				
Particulars	**Gross Block**		**Depreciation/Amortization**	
	Investment Property As At: 01.04.2025	**Investment Property As At: 31.03.2025**	**Investment Property As At: 01.04.2025**	**Investment Property As At: 31.03.2025**
Disposal of assets	0.00	0.00	0.00	0.00
Retirement of assets	0.00	0.00	0.00	0.00
Cost adjustments	0.00	0.00	0.00	0.00
Assets capitalised with retrospective effect / Write back of excess capitalisation	0.00	0.00	0.00	0.00
Depreciation on construction equipment capitalised as EDC	0.00	0.00	0.00	0.00
Prior Period Depreciation due to Assets capitalised with retrospective effect / Write back of excess capitalisation	0.00	0.00	0.00	0.00
Special Depreciation (As per New Policy)	0.00	0.00	0.00	0.00
Transfer in /out because of Inter Unit transfers	0.00	0.00	0.00	0.00
Others	0.00	0.00	0.00	0.00
TOTAL	**0.00**	**0.00**	**0.00**	**0.00**

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Date: 2025.06.28 14:23:24 IST
Reason: AGM(Commercial)
Location: NTPC Limited

Note forming part of Balance Sheet
NOTE NO. 5 TO THE FS-NCA-INTANGIBLE ASSETS
Business Area :1078

(Amount in Rupees)

Asset Class	Opening Gross Block As At 31.03.2025	Additions	Deductions/ Adjustments	Closing Gross Block As At 01.04.2025	Opening Depreciation As At 31.03.2025	Additions	Deductions/ Adjustments	Closing Depreciation As At 01.04.2025	Net Block As At 01.04.2025	Net Block As At 31.03.2025
INTANGIBLE ASSETS	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1 Right to Use- Land	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2 -Others	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3 -Software	21941887.00	0.00	0.00	21941887.00	5464705.32	0.00	0.00	5464705.32	16477181.68	16477181.68
Grand Total (Intangible)	21941887.00	0.00	0.00	21941887.00	5464705.32	0.00	0.00	5464705.32	16477181.68	16477181.68
Grand Total Prev Year (Intangible)	6755569.00	15186318.00	0.00	21941887.00	591516.11	4873189.21.00	0.00	5464705.32	16477181.68	6164052.89

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Date: 2025.06.28 14:23:24 IST
Reason: AGM(Commercial)
Location: NTPC Limited

Note forming part of Balance Sheet
NOTE NO. 5 TO THE FS-NCA-INTANGIBLE ASSETS
Business Area :1078

(Amount in Rupees)

Details of Adjustments of Gross Block and Depreciation/Amortization				
Particulars	**Gross Block**		**Depreciation/Amortization**	
	InTangible As At: 01.04.2025	**InTangible As At: 31.03.2025**	**InTangible As At: 01.04.2025**	**InTangible As At: 31.03.2025**
Disposal of assets	0.00	0.00	0.00	0.00
Retirement of assets	0.00	0.00	0.00	0.00
Cost adjustments	0.00	0.00	0.00	0.00
Assets capitalised with retrospective effect / Write back of excess capitalisation	0.00	0.00	0.00	0.00
Depreciation on construction equipment capitalised as EDC	0.00	0.00	0.00	0.00
Prior Period Depreciation due to Assets capitalised with retrospective effect / Write back of excess capitalisation	0.00	0.00	0.00	0.00
Special Depreciation (As per New Policy)	0.00	0.00	0.00	0.00
Transfer in /out because of Inter Unit transfers	0.00	0.00	0.00	0.00
Others	0.00	0.00	0.00	0.00
TOTAL	**0.00**	**0.00**	**0.00**	**0.00**

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Date: 2025.06.28 14:23:24 IST
Reason: AGM(Commercial)
Location: NTPC Limited

Note forming part of Balance Sheet

(Amount in Rupees)

NOTE NO. 6 TO THE FS-NCA-INTANGIBLE ASSETS UNDER DEVELOPMENT

Business Area: KERENDARI 'A' COAL MINING PROJ

Sl No	Asset Class	As At 01.04.2024	Addition	Deduction/ Adjustment	Capitalized	As At 31.03.2025
	1	2	3	4	5	6
1	INTANGIBLE ASSETS UNDER DEVELOPMENT					
2	Software					
3	Right to use Others					
4	Exploration and Evaluation Expentiture - Coal Mini					
5	Exploratory wells-in-progress					
6	**Less: Provision for exploratory wells-in-progress**					
7	**Total**					
8	**PREVIOUS YEAR TOTAL-I**					

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Date: 2025.06.29 14:23:24 IST
Reason: AGM(Commercial)
Location: NTPC Limited

KERENDARI 'A' COAL MINING PROJ

NOTE NO. 7 TO THE FS-NCA-EQUITY INVESTMENTS IN SUBSIDIARIES AND JOINT VENTURES (Amount in ₹)

	As at	No. of shares	Face value	01.04.2025	31.03.2025	31.03.2024
001	**NON CURRENT INVESTMENTS-INVESTMENTS IN SUBSIDIARIES AND JOINT VENTURES**			**0.00**	**0.00**	**0.00**
012	**EQUITY INSTRUMENTS - UNQUOTED-(FULLY PAID UP UNLESS OTHERWISE STATED, AT COST)**			**0.00**	**0.00**	**0.00**
013	**SUBSIDIARY COMPANIES**			**0.00**	**0.00**	**0.00**
014	PATRATU VIDYUT UTPADAN NIGAM LTD.			0.00	0.00	0.00
015	NTPC ELECTRIC SUPPLY COMPANY LTD.			0.00	0.00	0.00
016	NTPC VIDYUT VYAPAR NIGAM LTD.			0.00	0.00	0.00
017	NABINAGAR POWER GENERATING COMPANY LTD.			0.00	0.00	0.00
018	KANTI BIJLEE UTPADAN NIGAM LTD.			0.00	0.00	0.00
019	BHARTIYA RAIL BIJLEE COMPANY LTD.			0.00	0.00	0.00
020	NTPC MINING LTD (NML)			0.00	0.00	0.00
021	THDC INDIA LTD.			0.00	0.00	0.00
022	NEEPCO LTD.			0.00	0.00	0.00
023	NTPC EDMC Waste Solutions Pvt Ltd			0.00	0.00	0.00
024	NTPC Renewables Energy Ltd			0.00	0.00	0.00
025	Ratnagiri Gas & Power Pvt. Limited (RGPPL)			0.00	0.00	0.00
026	NTPC Green Energy Limited			0.00	0.00	0.00
027	Green Valley Renewable Energy Limited			0.00	0.00	0.00
028				0.00	0.00	0.00
029				0.00	0.00	0.00
030	**SUB TOTAL**			**0.00**	**0.00**	**0.00**
055	**JOINT VENTURE COMPANIES**			**0.00**	**0.00**	**0.00**
056	Utility Powertech Ltd.			0.00	0.00	0.00
057	NTPC GE Power Services Pvt.Ltd.			0.00	0.00	0.00
058	NTPC-SAIL Power Company Ltd.			0.00	0.00	0.00
059	NTPC-Tamil Nadu Energy Company Ltd.			0.00	0.00	0.00
060	Ratnagiri Gas & Power Pvt. Limited (RGPPL)			0.00	0.00	0.00

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Date: 2025.06.26 14:23:24 IST
Reason: AGM(Commercial)
Location: NTPC Limited

NOTE NO. 7 TO THE FS-NCA-EQUITY INVESTMENTS IN SUBSIDIARIES AND JOINT VENTURES (Amount in ₹)

	As at	No. of shares	Face value	01.04.2025	31.03.2025	31.03.2024
061	ARAVALI POWER COMPANY PRIVATE LTD.			0.00	0.00	0.00
062	Jhabua Power Ltd.			0.00	0.00	0.00
063	NTPC BHEL POWER PROJECTS PRIVATE LTD.			0.00	0.00	0.00
064	MEJA URJA NIGAM PRIVATE LIMITED			0.00	0.00	0.00
065	BF-NTPC ENERGY SYSTEMS LTD.			0.00	0.00	0.00
066				0.00	0.00	0.00
067	NABINAGAR POWER GENERATING COMPANY LTD.			0.00	0.00	0.00
068	TRANSFORMER AND ELECTRICAL KERALA LTD.			0.00	0.00	0.00
069	NATIONAL HIGH POWER TEST LABORTORY PRIVATE LTD.			0.00	0.00	0.00
070				0.00	0.00	0.00
071	CIL NTPC URJA PRIVATE LTD.			0.00	0.00	0.00
072	ANUSHAKTI VIDHYUT NIGAM LTD.			0.00	0.00	0.00
073	ENERGY EFFICIENCY SERVICES LTD.			0.00	0.00	0.00
074				0.00	0.00	0.00
075	TRINCOMALEE POWER COMPANY LTD.			0.00	0.00	0.00
076	BANGLADESH-INDIA FRIENDSHIP POWER COMPANY (PVT.) LTD.			0.00	0.00	0.00
077	HINDUSTAN URVARAK & RASAYAN LIMITED			0.00	0.00	0.00
078	KONKAN LNG LTD			0.00	0.00	0.00
085	**SUB TOTAL**			**0.00**	**0.00**	**0.00**
109	AGGREGATE AMOUNT OF IMPAIRMENT IN THE VALUE OF INVESTMENTS			0.00	0.00	0.00
110	TOTAL (NET OF IMPAIRMENT) OF JV			0.00	0.00	0.00
111	**Gross Total of Investments**			**0.00**	**0.00**	**0.00**
134	**Total**			**0.00**	**0.00**	**0.00**
135	Details of Investments			0.00	0.00	0.00
136	Aggregate amount of Unquoted Investments			0.00	0.00	0.00
141				0.00	0.00	0.00
142				0.00	0.00	0.00
143				0.00	0.00	0.00

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Reason: AGM(Commercial)
Location: NTPC Limited

KERENDARI 'A' COAL MINING PROJ

NOTE NO. 7 TO THE FS-NCA-EQUITY INVESTMENTS IN SUBSIDIARIES AND JOINT VENTURES (Amount in ₹)

	As at	No. of shares	Face value	01.04.2025	31.03.2025	31.03.2024
144				0.00	0.00	0.00
145				0.00	0.00	0.00
153	Valuation of Investments as per Note 1.			0.00	0.00	0.00
154				0.00	0.00	0.00
202				0.00	0.00	0.00
233				0.00	0.00	0.00

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Reason: AGM(Commercial)
Location: NTPC Limited

KERENDARI 'A' COAL MINING PROJ

NOTE NO. 8 TO THE FS-NCA-OTHER INVESTMENTS **(Amount in ₹)**

	As at	No. of shares	Face value	01.04.2025	31.03.2025	31.03.2024
001	Non-current financial assets (investments)			0.00	0.00	0.00
006	**Long Term - Trade**			**0.00**	**0.00**	**0.00**
007	**Equity Instruments (fully paid up-unless otherwise stated)**			**0.00**	**0.00**	**0.00**
008	**Quoted**			**0.00**	**0.00**	**0.00**
009	**JOINT VENTURE COMPANIES**			**0.00**	**0.00**	**0.00**
010	PTC India Ltd.			0.00	0.00	0.00
070	INTERNATIONAL COAL VENTURES PRIVATE LTD.			0.00	0.00	0.00
075	BF-NTPC ENERGY SYSTEMS LTD.			0.00	0.00	0.00
098	Jhabua Power Limited-8.5% Non convertible debentures - private placement			0.00	0.00	0.00
110	COOPERATIVE SOCIETIES			0.00	0.00	0.00
111				0.00	0.00	0.00
112	**SUB TOTAL**			**0.00**	**0.00**	**0.00**
113	AGGREGATE AMOUNT OF IMPAIRMENT IN THE VALUE OF INVESTMENTS			0.00	0.00	0.00
115	**TOTAL**			**0.00**	**0.00**	**0.00**
120				0.00	0.00	0.00
146	NTPC EMPLOYEES CONSUMERS AND THRIFT CO-OPERATIVE SOCIETY LTD. KORBA			0.00	0.00	0.00
147	NTPC EMPLOYEES CONSUMERS AND THRIFT COOPERATIVE SOCIETY LTD. RSTPP			0.00	0.00	0.00
148	NTPC EMPLOYEES CONSUMERS COOPERATIVE SOCIETY LTD. FARAKKA			0.00	0.00	0.00
149	NTPC EMPLOYEES CONSUMERS COOPERATIVE SOCIETY LTD. VINDHYACHAL			0.00	0.00	0.00
150	NTPC EMPLOYEES CONSUMERS COOPERATIVE SOCIETY LTD. ANTA			0.00	0.00	0.00
151	NTPC EMPLOYEES CONSUMERS COOPERATIVE SOCIETY LTD. KAWAS			0.00	0.00	0.00
152	NTPC Employees Consumers Cooperative Society Ltd. Kaniha			0.00	0.00	0.00

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Reason: AGM(Commercial)
Location: NTPC Limited

KERENDARI 'A' COAL MINING PROJ

NOTE NO. 9 TO THE FS-NCA-LOANS **(Amount in ₹)**

	As at	01.04.2025	31.03.2025	31.03.2024
001	**LOANS (NON CURRENT)**	**0.00**	**0.00**	**0.00**
004	RELATED PARTIES	0.00	0.00	0.00
005	SECURED	0.00	0.00	0.00
006	UN-SECURED	0.00	0.00	0.00
007	WITH SIGNIFICANT INCREASE IN CREDIT RISK	0.00	0.00	0.00
008	CREDIT IMPAIRED	0.00	0.00	0.00
009		0.00	0.00	0.00
010	EMPLOYEES(INCLUDING ACCRUED INTEREST)	0.00	0.00	0.00
011	SECURED	21,975,790.87	21,975,790.87	22,268,190.31
012	UNSECURED	28,360,770.68	28,360,770.68	5,975,814.63
013	WITH SIGNIFICANT INCREASE IN CREDIT RISK	0.00	0.00	0.00
014	CREDIT IMPAIRED	0.00	0.00	0.00
015	LESS : EMPLOYEE LOANS DISCOUNTING	0.00	0.00	0.00
016	SECURED	5,823,669.87	5,823,669.87	5,903,195.98
017	UNSECURED	5,056,964.97	5,056,964.97	1,287,060.85
018	LOAN TO STATE GOVERNMENT IN SETTLEMENT OF DUES FROM CUSTOMERS (UNSECURED)	0.00	0.00	0.00
019	OTHERS	0.00	0.00	0.00
020	SECURED	0.00	0.00	0.00
021	UNSECURED	0.00	0.00	0.00
022	WITH SIGNIFICANT INCREASE IN CREDIT RISK	0.00	0.00	0.00
023	CREDIT IMPAIRED	0.00	0.00	0.00
024	LESS: ALLOWANCE FOR CREDIT IMPAIRED LOANS	0.00	0.00	0.00
026	**SUB TOTAL**	**39,455,926.71**	**39,455,926.71**	**21,053,748.11**
027		0.00	0.00	0.00
028	**TOTAL**	**39,455,926.71**	**39,455,926.71**	**21,053,748.11**
029		0.00	0.00	0.00
030		0.00	0.00	0.00
031	**Due from Directors and Officers of the Company**	**0.00**	**0.00**	**0.00**
032	Directors	0.00	0.00	0.00
033	Officers	0.00	0.00	0.00
034		**0.00**	**0.00**	**0.00**
035	**Loans to related parties include:**	**0.00**	**0.00**	**0.00**
036	i)Key management personel	0.00	0.00	0.00
037	ii)Subsidiary companies	0.00	0.00	0.00
038	iii)Joint Venture companies	0.00	0.00	0.00
039	iv)Others	0.00	0.00	0.00
040		**0.00**	**0.00**	**0.00**
055	Other loans represent loans given to	0.00	0.00	0.00
056	a) APIIC	0.00	0.00	0.00

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Date: 2025.06.29 14:23:24 IST
Reason: AGM(Commercial)
Location: NTPC Limited

KERENDARI 'A' COAL MINING PROJ

NOTE NO. 9 TO THE FS-NCA-LOANS **(Amount in ₹)**

	As at	01.04.2025	31.03.2025	31.03.2024
061		0.00	0.00	0.00
062	RPD	0.00	0.00	0.00
063	i)Key management personel	0.00	0.00	0.00
064	ii)Subsidiary companies	0.00	0.00	0.00
065	iii)Joint Venture companies	0.00	0.00	0.00
066	iv)Others	0.00	0.00	0.00
067	**Total**	**0.00**	**0.00**	**0.00**

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Reason: AGM(Commercial)
Location: NTPC Limited

KERENDARI 'A' COAL MINING PROJ

NOTE NO. 10 TO THE FS-NCA-TRADE RECEIVABLES **(Amount in ₹)**

	As at	01.04.2025	31.03.2025	31.03.2024
001	Non-current financial assets - Trade receivables	0.00	0.00	0.00
002	UNSECURED, CONSIDERED GOOD	0.00	0.00	0.00
003	CREDIT IMPAIRED	0.00	0.00	0.00
004		0.00	0.00	0.00
006	**Total**	**0.00**	**0.00**	**0.00**

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Reason: AGM(Commercial)
Location: NTPC Limited

KERENDARI 'A' COAL MINING PROJ

ANNEXURE TO NOTE 9- RPD (LOANS) SUBSIDIARIES **(Amount in ₹)**

	As at	01.04.2025	31.03.2025	31.03.2024
010		0.00	0.00	0.00

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Reason: AGM(Commercial)
Location: NTPC Limited

KERENDARI 'A' COAL MINING PROJ

NOTE NO. 11 TO THE FS-NCA-OTHER FINANCIAL ASSETS **(Amount in ₹)**

	As at	01.04.2025	31.03.2025	31.03.2024
001	**Other Financial Assets (non current)**	**0.00**	**0.00**	**0.00**
002		0.00	0.00	0.00
003	**Share application money pending allotment in (Subsidiary Companies) :**	**0.00**	**0.00**	**0.00**
004	NTPC Electric Supply Company Ltd.	0.00	0.00	0.00
005	NTPC Vidyut Vyapar Nigam Ltd.	0.00	0.00	0.00
006	Nabinagar Power Generating Company Ltd.	0.00	0.00	0.00
007	Kanti Bijlee Utpadan Nigam Ltd.	0.00	0.00	0.00
008	Bhartiya Rail Bijlee Company Ltd.	0.00	0.00	0.00
009	Patratu Vidyut Utpadan Nigam Ltd.	0.00	0.00	0.00
010	NTPC Mining Limited	0.00	0.00	0.00
011	THDC Ltd.	0.00	0.00	0.00
012	NEEPCO Ltd	0.00	0.00	0.00
013		0.00	0.00	0.00
014	**Total**	**0.00**	**0.00**	**0.00**
015	**Share application money pending allotment (Joint Venture)**	**0.00**	**0.00**	**0.00**
016	Utility Powertech Ltd.	0.00	0.00	0.00
017	NTPC GE Power Services Pvt.Ltd.	0.00	0.00	0.00
018	NTPC-SAIL Power Company Ltd.	0.00	0.00	0.00
019	NTPC-Tamil Nadu Energy Company Ltd.	0.00	0.00	0.00
020	Ratnagiri Gas & Power Private Ltd.	0.00	0.00	0.00
021	Aravali Power Company Private Ltd.	0.00	0.00	0.00
022		0.00	0.00	0.00
023	NTPC BHEL Power Projects Private Ltd.	0.00	0.00	0.00
024	Meja Urja Nigam Private Limited	0.00	0.00	0.00
025	BF-NTPC Energy Systems Ltd.	0.00	0.00	0.00
026	Anushakti Vidhyut Nigam Ltd.	0.00	0.00	0.00
027	Nabinagar Power Generating Company Ltd.	0.00	0.00	0.00
028	Energy Efficiency Services Ltd.	0.00	0.00	0.00
029	National High Power Test Labortory Private Ltd.	0.00	0.00	0.00
030		0.00	0.00	0.00
031	CIL NTPC Urja Private Ltd.	0.00	0.00	0.00
032	Trincomalee Power Company Ltd.	0.00	0.00	0.00
033	Hindustan Urvarak & Rasayan Limited	0.00	0.00	0.00
034	Bangladesh-India Friendship Power Company Private Ltd.	0.00	0.00	0.00
035	**Sub Total**	**0.00**	**0.00**	**0.00**
036		0.00	0.00	0.00
037	Claims Recoverable	0.00	0.00	0.00
038	Finance Lease Recoverable	0.00	0.00	0.00

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Reason: AGM(Commercial)
Location: NTPC Limited

KERENDARI 'A' COAL MINING PROJ

NOTE NO. 11 TO THE FS-NCA-OTHER FINANCIAL ASSETS **(Amount in ₹)**

	As at	01.04.2025	31.03.2025	31.03.2024
039	Mine Closure Deposit	108,138,653.59	108,138,653.59	102,807,126.54
040	Financial Deposit	0.00	0.00	0.00
041		0.00	0.00	0.00
042	**Total**	**108,138,653.59**	**108,138,653.59**	**102,807,126.54**

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Date: 2025.06.29 14:23:24 IST
Reason: AGM(Commercial)
Location: NTPC Limited

KERENDARI 'A' COAL MINING PROJ

NOTE NO. 12 TO THE FS-NCA-OTHER NON-CURRENT ASSETS **(Amount in ₹)**

	As at	01.04.2025	31.03.2025	31.03.2024
001	**Other Non-current Assets**	**0.00**	**0.00**	**0.00**
002		**0.00**	**0.00**	**0.00**
003	**CAPITAL ADVANCES**	**0.00**	**0.00**	**0.00**
004	SECURED	0.00	0.00	0.00
005	Unsecured	0.00	0.00	0.00
006	COVERED BY BANK GUARANTEE	1,698,207.00	1,698,207.00	17,214,275.00
007	OTHERS	1,740,979,896.00	1,740,979,896.00	1,853,021,852.00
008	CONSIDERED DOUBTFUL	0.00	0.00	0.00
009	LESS: ALLOWANCE FOR BAD & DOUBTFUL ADVANCES	0.00	0.00	0.00
010	**Sub-Total**	**1,742,678,103.00**	**1,742,678,103.00**	**1,870,236,127.00**
011		0.00	0.00	0.00
012	Advances other than capital advances	0.00	0.00	0.00
013	SECURITY DEPOSITS	0.00	0.00	0.00
019	Advances to Related parties	0.00	0.00	0.00
022	**Advances to Contractors & Suppliers**	**0.00**	**0.00**	**0.00**
023	SECURED	0.00	0.00	0.00
024	UNSECURED	0.00	0.00	0.00
025	CONSIDERED DOUBTFUL	0.00	0.00	0.00
026	LESS: ALLOWANCE FOR BAD & DOUBTFUL ADVANCES	0.00	0.00	0.00
027	**Sub Total**	**0.00**	**0.00**	**0.00**
028	RECEIVABLE FROM MCP ESCROW A/C	0.00	0.00	0.00
029	Pre Paid expenses	0.00	0.00	0.00
039	ADVANCE TAX & TAX DEDUCTED AT SOURCE	1,556,697.99	1,556,697.99	839,485.99
040	LESS:- PROVISION FOR CURRENT TAX	0.00	0.00	0.00
041		0.00	0.00	0.00
042	**Sub Total**	**1,556,697.99**	**1,556,697.99**	**839,485.99**
043	DEFERRED PAYROLL EXPENSES (SECURED)	3,532,212.36	3,532,212.36	3,738,904.57
044	DEFERRED PAYROLL EXPENSES (UNSECURED)	3,978,465.24	3,978,465.24	961,765.33
045	**Sub Total**	**7,510,677.60**	**7,510,677.60**	**4,700,669.90**
046	DEFERRED FOREIGN CURRENCY FLUCTUATION ASSET	0.00	0.00	0.00
049		0.00	0.00	0.00
050	**Total**	**1,751,745,478.59**	**1,751,745,478.59**	**1,875,776,282.89**
051		0.00	0.00	0.00
052		0.00	0.00	0.00
062	Advances include amount due from the following Private Companies in which Directors of the Company are also Directors in such Companies	0.00	0.00	0.00
064		0.00	0.00	0.00

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Location: NTPC Limited

KERENDARI 'A' COAL MINING PROJ

NOTE NO. 12 TO THE FS-NCA-OTHER NON-CURRENT ASSETS **(Amount in ₹)**

	As at	01.04.2025	31.03.2025	31.03.2024
065	NTPC GE Power Services Pvt.Ltd.	0.00	0.00	0.00
066		0.00	0.00	0.00
067	Ratnagiri Gas & Power Private Ltd.	0.00	0.00	0.00
068	Aravali Power Company Private Ltd.	0.00	0.00	0.00
069	NTPC-SCCL Global Ventures Private Ltd.	0.00	0.00	0.00
070	NTPC BHEL Power Projects Private Ltd.	0.00	0.00	0.00
071	Meja Urja Nigam Private Limited	0.00	0.00	0.00
072	Nabinagar Power Generating Company Ltd.	0.00	0.00	0.00
073	National High Power Test Labortory Private Ltd.	0.00	0.00	0.00
075	CIL NTPC Urja Private Ltd.	0.00	0.00	0.00
077		0.00	0.00	0.00
078	**Related Party (Adv)**	**0.00**	**0.00**	**0.00**
079	Key Management personel	0.00	0.00	0.00
080	Subsidiary companies	0.00	0.00	0.00
081	Joint Venture companies	0.00	0.00	0.00
082	Contractors	0.00	0.00	0.00
083	Others	0.00	0.00	0.00
085		0.00	0.00	0.00
086	**Total**	**0.00**	**0.00**	**0.00**

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Reason: AGM(Commercial)
Location: NTPC Limited

KERENDARI 'A' COAL MINING PROJ

NOTE NO. 13 TO THE FS-CA-INVENTORIES **(Amount in ₹)**

	As at	01.04.2025	31.03.2025	31.03.2024
001	**INVENTORIES**	**0.00**	**0.00**	**0.00**
002		**0.00**	**0.00**	**0.00**
003	Coal	625,899,377.32	625,899,377.32	191,130,846.24
004	Oil and Others	0.00	0.00	0.00
005	Naphtha	0.00	0.00	0.00
006	Stores and spares	108,484.35	108,484.35	0.00
007	Chemicals & consumables	13,869.95	13,869.95	0.00
008	Loose tools	0.00	0.00	0.00
009	Others	2,290,710.94	2,290,710.94	1,286,315.53
010		0.00	0.00	0.00
011		0.00	0.00	0.00
012	**Sub Total**	**628,312,442.56**	**628,312,442.56**	**192,417,161.77**
013	Less: Provision for shortages	0.00	0.00	0.00
014	Less: Provision for obsolete/ unservicable/dimunition in value of surplus inventory	0.00	0.00	0.00
016		0.00	0.00	0.00
017	**Total**	**628,312,442.56**	**628,312,442.56**	**192,417,161.77**
018	**Inventories include material in transit**	**0.00**	**0.00**	**0.00**
019	Coal	0.00	0.00	0.00
020	Fuel oil	0.00	0.00	0.00
021	Naphtha	0.00	0.00	0.00
022	Stores and spares	0.00	0.00	0.00
023	Chemicals & consumables	0.00	0.00	0.00
024	Loose tools	0.00	0.00	0.00
025	Others	0.00	0.00	0.00
026		**0.00**	**0.00**	**0.00**
028		0.00	0.00	0.00

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Reason: AGM(Commercial)
Location: NTPC Limited

KERENDARI 'A' COAL MINING PROJ

NOTE NO. 14 TO THE FS-CA-OTHER INVESTMENTS **(Amount in ₹)**

	As at	No. of shares	Face value	01.04.2025	31.03.2025	31.03.2024
001	**CURRENT INVESTMENTS**			**0.00**	**0.00**	**0.00**
002	**(Valuation as per Note 1)**			**0.00**	**0.00**	**0.00**
003	Jhabua Power Limited-8.5% Non convertible debentures - private placement			0.00	0.00	0.00
033	Investment in Mutual Funds (Details as under)			0.00	0.00	0.00
034	SBI-Magnum Insta Cash Fund-DDR			0.00	0.00	0.00
035	SBI Premier Liquid Fund Super-IP-DDR			0.00	0.00	0.00
036	SBI-SHF Ultra Short Term Fund-IP-DDR			0.00	0.00	0.00
037	UTI Money Market- IP-Direct-Growth			0.00	0.00	0.00
038	IDBI-Liquid plan- Direct-Growth			0.00	0.00	0.00
039	Canara Robeco Liquid Fund Super-IP-DDR			0.00	0.00	0.00
040	Canara Robeco Treasury Advantage Fund Super-IP-DDR			0.00	0.00	0.00
041	IDBI Liquid Fund-DDR			0.00	0.00	0.00
042	SBI Premier Liquid fund-Direct DDR (Ash Fund)			0.00	0.00	0.00
043	UTI Liquid CashPlan - IP - DDR (Ash Funds)			0.00	0.00	0.00
044	IDBI Liquid Fund - DDR - (Ash Funds)			0.00	0.00	0.00
045	Baroda Liquid Fund - Direct - Growth			0.00	0.00	0.00
046				0.00	0.00	0.00
047				0.00	0.00	0.00
048	**Sub Total**			**0.00**	**0.00**	**0.00**
049				**0.00**	**0.00**	**0.00**
052	**Unquoted Investments**			**0.00**	**0.00**	**0.00**
054				0.00	0.00	0.00
066	**TOTAL**			**0.00**	**0.00**	**0.00**
067				0.00	0.00	0.00

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Location: NTPC Limited

KERENDARI 'A' COAL MINING PROJ

NOTE NO. 15 TO THE FS-CA-TRADE RECEIVABLES **(Amount in ₹)**

	As at	01.04.2025	31.03.2025	31.03.2024
001	**TRADE RECEIVABLES (current)**	**0.00**	**0.00**	**0.00**
002		0.00	0.00	0.00
003	Secured,Considered Good	0.00	0.00	0.00
004	Unsecured , considered good	0.00	0.00	0.00
005	Credit impaired	0.00	0.00	0.00
006	Unbilled Revenue	0.00	0.00	0.00
007	**Sub-Total**	**0.00**	**0.00**	**0.00**
008	**Total**	**0.00**	**0.00**	**0.00**
009	Less: Allowance for credit impaired receivables	0.00	0.00	0.00
010	**Total**	**0.00**	**0.00**	**0.00**
012	Less: Discom Clearing	0.00	0.00	0.00
014		0.00	0.00	0.00
015	**Grand Total**	**0.00**	**0.00**	**0.00**
016	Other Unsecured	0.00	0.00	0.00
017	Long-term trade receivables	0.00	0.00	0.00
018	TCS Clearing	0.00	0.00	0.00
019	Discom Clearing	0.00	0.00	0.00
228	**Trade Receivable**	**0.00**	**0.00**	**0.00**
230	Not due	0.00	0.00	0.00
231	Due	0.00	0.00	0.00
232	(i) Undisputed Trade receivables # considered good	0.00	0.00	0.00
233	(ii) Undisputed Trade Receivables # which have significant increase in credit risk	0.00	0.00	0.00
234	(iii) Undisputed Trade Receivables # credit impaired	0.00	0.00	0.00
235	(iv) Disputed Trade Receivables#considered good	0.00	0.00	0.00
236	(v) Disputed Trade Receivables # which have significant increase in credit risk	0.00	0.00	0.00
237	(vi) Disputed Trade Receivables # credit impaired	0.00	0.00	0.00
238	Unbilled	0.00	0.00	0.00
239	**Total**	**0.00**	**0.00**	**0.00**
240		0.00	0.00	0.00
241	**(i) Undisputed Trade receivables # considered good**	**0.00**	**0.00**	**0.00**
242	Less than 6 months	0.00	0.00	0.00
243	6 months -1 year	0.00	0.00	0.00
244	1-2 years	0.00	0.00	0.00
245	2-3 years	0.00	0.00	0.00
246	More than 3 years	0.00	0.00	0.00
247	**Sub Total (I)**	**0.00**	**0.00**	**0.00**
248	**(ii) Undisputed Trade Receivables # which have significant increase in**	**0.00**	**0.00**	**0.00**

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Reason: AGM(Commercial)
Location: NTPC Limited

KERENDARI 'A' COAL MINING PROJ

NOTE NO. 15 TO THE FS-CA-TRADE RECEIVABLES **(Amount in ₹)**

	As at	01.04.2025	31.03.2025	31.03.2024
	credit risk			
249	Less than 6 months	0.00	0.00	0.00
250	6 months -1 year	0.00	0.00	0.00
251	1-2 years	0.00	0.00	0.00
252	2-3 years	0.00	0.00	0.00
253	More than 3 years	0.00	0.00	0.00
254	**Sub Total (II)**	**0.00**	**0.00**	**0.00**
255	**(iii) Undisputed Trade Receivables -credit impaired**	**0.00**	**0.00**	**0.00**
256	Less than 6 months	0.00	0.00	0.00
257	6 months -1 year	0.00	0.00	0.00
258	1-2 years	0.00	0.00	0.00
259	2-3 years	0.00	0.00	0.00
260	More than 3 years	0.00	0.00	0.00
261	**Sub Total (III)**	**0.00**	**0.00**	**0.00**
262		0.00	0.00	0.00
263	**(iv) Disputed Trade Receivables#considered good**	**0.00**	**0.00**	**0.00**
264	Less than 6 months	0.00	0.00	0.00
265	6 months -1 year	0.00	0.00	0.00
266	1-2 years	0.00	0.00	0.00
267	2-3 years	0.00	0.00	0.00
268	More than 3 years	0.00	0.00	0.00
269	**Sub Total (IV)**	**0.00**	**0.00**	**0.00**
270	**(v) Disputed Trade Receivables # which have significant increase in credit risk**	**0.00**	**0.00**	**0.00**
271	Less than 6 months	0.00	0.00	0.00
272	6 months -1 year	0.00	0.00	0.00
273	1-2 years	0.00	0.00	0.00
274	2-3 years	0.00	0.00	0.00
275	More than 3 years	0.00	0.00	0.00
276	**Sub Total (V)**	**0.00**	**0.00**	**0.00**
277	**(vi) Disputed Trade Receivables # credit impaired**	**0.00**	**0.00**	**0.00**
278	Less than 6 months	0.00	0.00	0.00
279	6 months -1 year	0.00	0.00	0.00
280	1-2 years	0.00	0.00	0.00
281	2-3 years	0.00	0.00	0.00
282	More than 3 years	0.00	0.00	0.00
283	**Sub Total (VI)**	**0.00**	**0.00**	**0.00**

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Reason: AGM(Commercial)
Location: NTPC Limited

KERENDARI 'A' COAL MINING PROJ

NOTE NO. 16 TO THE FS-CA-CASH AND CASH EQUIVALENTS **(Amount in ₹)**

	As at	01.04.2025	31.03.2025	31.03.2024
001	**CASH & BANK BALANCES**	**0.00**	**0.00**	**0.00**
002	**Cash & Cash Equivalents**	**0.00**	**0.00**	**0.00**
003	Balances with Banks	0.00	0.00	0.00
004	Cheques & Drafts on hand	0.00	0.00	0.00
005	Cash on hand	0.00	0.00	0.00
006	Others (stamps in hand)	0.00	0.00	0.00
007	Bank deposits with original maturity upto three months	0.00	0.00	0.00
008	Balances with RBI	0.00	0.00	0.00
009		0.00	0.00	0.00
011	**Total**	**0.00**	**0.00**	**0.00**

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Date: 2025.06.29 14:23:24 IST
Reason: AGM(Commercial)
Location: NTPC Limited

KERENDARI 'A' COAL MINING PROJ

NOTE NO. 17 TO THE FS-CA-BANK BALANCES OTHER THAN CASH AND CASH EQUIVALENTS (Amount in ₹)

	As at	01.04.2025	31.03.2025	31.03.2024
001	**Other Bank Balances**	**0.00**	**0.00**	**0.00**
002	Deposits with original maturity of more than three months but not more than twelve months	0.00	0.00	0.00
003	Earmarked balances with banks*	0.00	0.00	0.00
004	**SubTotal**	**0.00**	**0.00**	**0.00**
005	Interest accrued on deposits	0.00	0.00	0.00
006		0.00	0.00	0.00
008	**Total**	**0.00**	**0.00**	**0.00**
009		0.00	0.00	0.00
010	***Earmarked balances with banks consist of :**	**0.00**	**0.00**	**0.00**
011	Unpaid dividend account balance	0.00	0.00	0.00
012	Towards public deposit repayment reserve	0.00	0.00	0.00
013	Towards redemption of bonds due for repayment within one year	0.00	0.00	0.00
014	Security with Government/other authorities	0.00	0.00	0.00
015	Unpaid refund/interest account balance - Tax free bonds/ Bonus Debentures	0.00	0.00	0.00
016	Earmarked for RGGVY/DDUGJY/SAUBHAGYA Fund/RDSS	0.00	0.00	0.00
017	Earmarked for Flyash Utilisation Reserve Fund	0.00	0.00	0.00
018	Deposits with original maturity upto three months as per court orders	0.00	0.00	0.00
019	Payment Security Scheme of MNRE NSM (NTPC)	0.00	0.00	0.00
020	Payment Security Scheme of MNRE NSM (NVVN)	0.00	0.00	0.00
021	Enforcement Directorate of Solar Plant(NVVN)	0.00	0.00	0.00
022	Bank guarantee Fund of MNRE (NVVN)	0.00	0.00	0.00
023	Others	0.00	0.00	0.00
024	Margin Money	0.00	0.00	0.00
025		0.00	0.00	0.00
026		0.00	0.00	0.00
027		0.00	0.00	0.00
031	**Total**	**0.00**	**0.00**	**0.00**
032		0.00	0.00	0.00
033	Bank deposits with original maturity of less than three months- other than earmarked	0.00	0.00	0.00
034	Bank deposits with original maturity of more than three months but not more than twelve months- other than	0.00	0.00	0.00

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Date: 2025.06.29 14:23:24 IST
Reason: AGM(Commercial)
Location: NTPC Limited

KERENDARI 'A' COAL MINING PROJ

NOTE NO. 17 TO THE FS-CA-BANK BALANCES OTHER THAN CASH AND CASH EQUIVALENTS (Amount in ₹)

	As at	01.04.2025	31.03.2025	31.03.2024
	earmarked			
035	Earmarked bank balances (current account)	0.00	0.00	0.00

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Date: 2025.06.29 14:23:24 IST
Reason: AGM(Commercial)
Location: NTPC Limited

KERENDARI 'A' COAL MINING PROJ

NOTE NO. 18 TO THE FS-CA-LOANS **(Amount in ₹)**

	As at	01.04.2025	31.03.2025	31.03.2024
001	**Current financial assets - Loans**	**0.00**	**0.00**	**0.00**
002	**Loans (current)-including interest accrued**	**0.00**	**0.00**	**0.00**
004	**Related Parties**	**0.00**	**0.00**	**0.00**
005	Secured	0.00	0.00	0.00
006	Un-Secured	0.00	0.00	0.00
007	With significant increase in Credit Risk	0.00	0.00	0.00
008	Credit impaired	0.00	0.00	0.00
009		**0.00**	**0.00**	**0.00**
010	**Employees**	**0.00**	**0.00**	**0.00**
011	Secured	4,025,264.04	4,025,264.04	3,142,654.23
012	Unsecured	9,561,188.56	9,561,188.56	5,367,012.84
013	With significant increase in Credit Risk	0.00	0.00	0.00
014	Credit impaired	0.00	0.00	0.00
015	Less : Employee Loans Discounting	0.00	0.00	0.00
016	**Loan to State Government in settlement of dues from customers (Unsecured)**	**0.00**	**0.00**	**0.00**
017		0.00	0.00	0.00
018	**Others**	**0.00**	**0.00**	**0.00**
019	Secured	0.00	0.00	0.00
020	Unsecured	0.00	0.00	0.00
021	With significant increase in Credit Risk	0.00	0.00	0.00
022	Credit impaired	0.00	0.00	0.00
023		**0.00**	**0.00**	**0.00**
024	Less: Allowance for credit impaired loans	0.00	0.00	0.00
026		0.00	0.00	0.00
027	**Total (Loans)**	**13,586,452.60**	**13,586,452.60**	**8,509,667.07**
028		**0.00**	**0.00**	**0.00**
029	**Due from Directors and Officers of the Company**	**0.00**	**0.00**	**0.00**
030	Directors	0.00	0.00	0.00
031	Officers	0.00	0.00	0.00
032		**0.00**	**0.00**	**0.00**
033	**Loans to related parties include:**	**0.00**	**0.00**	**0.00**
034	i)Key management personel	0.00	0.00	0.00
035	ii)Subsidiary companies	0.00	0.00	0.00
036	KBUNL	0.00	0.00	0.00
037	RGPPL	0.00	0.00	0.00
038	NVVN	0.00	0.00	0.00
039	iii)Joint Venture companies	0.00	0.00	0.00
040	iv)others	0.00	0.00	0.00
041		0.00	0.00	0.00
060	RPD	0.00	0.00	0.00

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Date: 2025.06.26 14:23:24 IST
Reason: AGM(Commercial)
Location: NTPC Limited

KERENDARI 'A' COAL MINING PROJ

NOTE NO. 18 TO THE FS-CA-LOANS **(Amount in ₹)**

	As at	01.04.2025	31.03.2025	31.03.2024
061	i)Key management personel	0.00	0.00	0.00
062	ii)Subsidiary companies	0.00	0.00	0.00
063	iii)Joint Venture companies	0.00	0.00	0.00
064	iv)Others	0.00	0.00	0.00
065		0.00	0.00	0.00
066	**Total**	**0.00**	**0.00**	**0.00**

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Date: 2025.06.29 14:23:24 IST
Reason: AGM(Commercial)
Location: NTPC Limited

KERENDARI 'A' COAL MINING PROJ

NOTE NO. 19 TO THE FS-CA-OTHER FINANCIAL ASSETS **(Amount in ₹)**

	As at	01.04.2025	31.03.2025	31.03.2024
001	**Other Financial Assets (current)**	**0.00**	**0.00**	**0.00**
002		0.00	0.00	0.00
003	**ADVANCES**	**0.00**	**0.00**	**0.00**
004		**0.00**	**0.00**	**0.00**
005	**Related Parties**	**0.00**	**0.00**	**0.00**
006	Secured	0.00	0.00	0.00
007	Un-Secured	-213,110,118.00	-213,110,118.00	-5,618,264.00
008	Considered doubtful	0.00	0.00	0.00
009		**0.00**	**0.00**	**0.00**
010	**Employees**	**0.00**	**0.00**	**0.00**
012	Unsecured	295,088.00	295,088.00	657,136.00
013	Considered Doubtful	0.00	0.00	0.00
014		**0.00**	**0.00**	**0.00**
020	**Others**	**0.00**	**0.00**	**0.00**
021	Secured	0.00	0.00	0.00
022	Unsecured	0.00	0.00	0.00
023	Considered Doubtful	0.00	0.00	0.00
024		**0.00**	**0.00**	**0.00**
025	Less: Allowance for bad & doubtful advances	0.00	0.00	0.00
026		**0.00**	**0.00**	**0.00**
033	**Total (Advances)**	**-212,815,030.00**	**-212,815,030.00**	**-4,961,128.00**
044		**0.00**	**0.00**	**0.00**
045	**Claims Recoverable**	**0.00**	**0.00**	**0.00**
046	Secured	0.00	0.00	0.00
047	Unsecured, considered good	0.00	0.00	0.00
048	Considered Doubtful	0.00	0.00	0.00
049	Less:- Allowance for doubtful claims	0.00	0.00	0.00
050	Others-Claims Recoverable	0.00	0.00	0.00
051	Contract Asset- Revenue	0.00	0.00	0.00
052	Hedging cost recoverable from beneficiaries	0.00	0.00	0.00
053	Dividend Receivable	0.00	0.00	0.00
054	Derivative MTM Asset	0.00	0.00	0.00
055	Finance Lease Receivable	0.00	0.00	0.00
056	Mine Closure Deposit	1,123,357.17	1,123,357.17	0.00
057	Financial Deposit	0.00	0.00	0.00
059	**Other Accrued Income**	**0.00**	**0.00**	**0.00**
060	Secured,Considered Good	0.00	0.00	0.00
061	Unsecured , considered good	0.00	0.00	0.00
062	Credit impaired	0.00	0.00	0.00
063		0.00	0.00	0.00
064	**Sub-Total**	**0.00**	**0.00**	**0.00**
065	Less: Allowance for credit impaired receivables	0.00	0.00	0.00
066	**Total**	**0.00**	**0.00**	**0.00**
067		0.00	0.00	0.00

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Reason: AGM(Commercial)
Location: NTPC Limited

KERENDARI 'A' COAL MINING PROJ

NOTE NO. 19 TO THE FS-CA-OTHER FINANCIAL ASSETS **(Amount in ₹)**

	As at	01.04.2025	31.03.2025	31.03.2024
068	Others*	0.00	0.00	0.00
070		0.00	0.00	0.00
071	**Total**	**-211,691,672.83**	**-211,691,672.83**	**-4,961,128.00**
072	* Other include amount recoverable from contractors and other parties towards hire charges, rent/electricity etc.	0.00	0.00	0.00
073	**Advances to related parties include:**	**0.00**	**0.00**	**0.00**
074	i)Key management personel	0.00	0.00	0.00
075		0.00	0.00	0.00
076	iii)Joint Venture companies	0.00	0.00	0.00
077		0.00	0.00	0.00
078	v)Others	0.00	0.00	0.00
079		**0.00**	**0.00**	**0.00**
080	Advances include amount due from the following Private Companies in which Directors of the Company are also Directors in such Companies	0.00	0.00	0.00
081	Related Party (Adv)- Employee	0.00	0.00	0.00
082	Related Party (Adv)- Subsidiaries	-213,110,118.00	-213,110,118.00	-5,618,264.00
083	Related Party (Adv)- Joint Ventures	0.00	0.00	0.00
084		0.00	0.00	0.00
085	Related Party (Adv)- Others	0.00	0.00	0.00
086		0.00	0.00	0.00
099		0.00	0.00	0.00
100		0.00	0.00	0.00
101	**Total**	**-213,110,118.00**	**-213,110,118.00**	**-5,618,264.00**

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Reason: AGM(Commercial)
Location: NTPC Limited

KERENDARI 'A' COAL MINING PROJ

NOTE NO. 20 TO THE FS-CA-OTHER CURRENT ASSETS **(Amount in ₹)**

	As at	01.04.2025	31.03.2025	31.03.2024
001	**OTHER CURRENT ASSETS**	**0.00**	**0.00**	**0.00**
002	Security Deposits (Unsecured)	0.00	0.00	0.00
003	Deposit with Customs, port trust & others*	255,524,235.00	255,524,235.00	0.00
004	Considered Doubtful	0.00	0.00	0.00
005	Less:-Allowance for doubtful deposit (Litigation)	0.00	0.00	0.00
006		0.00	0.00	0.00
007	**ADVANCES**	**0.00**	**0.00**	**0.00**
008		**0.00**	**0.00**	**0.00**
009	**Related Parties**	**0.00**	**0.00**	**0.00**
010	Secured	0.00	0.00	0.00
011	Un-Secured	0.00	0.00	0.00
012	Considered doubtful	0.00	0.00	0.00
013		**0.00**	**0.00**	**0.00**
014	**Employees(including imprest)**	**0.00**	**0.00**	**0.00**
015	Secured	0.00	0.00	0.00
016	Unsecured	221,639.00	221,639.00	0.00
017	Considered Doubtful	0.00	0.00	0.00
018		0.00	0.00	0.00
019	**Contractors & Suppliers**	**0.00**	**0.00**	**0.00**
020	Secured	0.00	0.00	0.00
021	Unsecured	219,034,779.00	219,034,779.00	180,245,161.00
022	Considered Doubtful	0.00	0.00	0.00
023		0.00	0.00	0.00
024	**Others****	**0.00**	**0.00**	**0.00**
025	Secured	0.00	0.00	0.00
026	Unsecured	0.00	0.00	0.00
027	Considered Doubtful	0.00	0.00	0.00
028	Less: Allowance for bad & doubtful advances	0.00	0.00	0.00
029	Receivable from MCP Escrow A/c	0.00	0.00	0.00
030	Deferred Payroll Expenses (Secured)	395,519.76	395,519.76	369,715.44
031	Deferred Payroll Expenses (Unsecured)	1,381,386.48	1,381,386.48	442,888.08
032	**Sub-total**	**1,776,906.24**	**1,776,906.24**	**812,603.52**
033	**Interest accrued on :**	**0.00**	**0.00**	**0.00**
034	Advances to contractors	0.00	0.00	0.00
035		**0.00**	**0.00**	**0.00**
036	**Claims Recoverable**	**0.00**	**0.00**	**0.00**
037	Secured	0.00	0.00	0.00
038	Unsecured, considered good	412,426.00	412,426.00	126,760,931.00
039	Considered Doubtful	0.00	0.00	0.00
040	Less:- Allowance for doubtful claims	0.00	0.00	0.00
041		**0.00**	**0.00**	**0.00**
042	Deferred premium on forward exchange contract/ Option Assets	0.00	0.00	0.00

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Reason: AGM(Commercial)
Location: NTPC Limited

KERENDARI 'A' COAL MINING PROJ

NOTE NO. 20 TO THE FS-CA-OTHER CURRENT ASSETS **(Amount in ₹)**

	As at	01.04.2025	31.03.2025	31.03.2024
043		0.00	0.00	0.00
044	Others	68,840.00	68,840.00	0.00
045		0.00	0.00	0.00
047	**Total (Other Current Assets)**	**477,038,825.24**	**477,038,825.24**	**307,818,695.52**
048	**Include Prepaid Expenses	0.00	0.00	0.00
049	*Includes sales tax/Entry tax/VAT deposited under protest with Sales Tax Authorities	0.00	0.00	0.00
050	*Includes deposited with courts	0.00	0.00	0.00
051	*Includes deposited with LIC for annuity payments	0.00	0.00	0.00
052	* Includes deposits with WRD / against BG in r/o finance lease	0.00	0.00	0.00
053	Other include amount recoverable from contractors and other parties towards hire charges, rent/electricity etc.	0.00	0.00	0.00
054	**Advances to related parties include:**	**0.00**	**0.00**	**0.00**
055	i)Key management personel	0.00	0.00	0.00
056	ii)Subsidiary companies	0.00	0.00	0.00
057	iii)Joint Venture companies	0.00	0.00	0.00
058	Contractors	0.00	0.00	0.00
059	Others	0.00	0.00	0.00
060		0.00	0.00	0.00
061	Advances include amount due from the following Private Companies in which Directors of the Company are also Directors in such Companies	0.00	0.00	0.00
062		**0.00**	**0.00**	**0.00**
063		0.00	0.00	0.00
064	Related Party (Adv)- Employee	0.00	0.00	0.00
065	Related Party (Adv)- Subsidiaries	0.00	0.00	0.00
066	Related Party (Adv)- Joint Venture	0.00	0.00	0.00
067		0.00	0.00	0.00
068		0.00	0.00	0.00
069	**Total**	**0.00**	**0.00**	**0.00**
071		0.00	0.00	0.00

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Date: 2025.06.29 14:23:24 IST
Reason: AGM(Commercial)
Location: NTPC Limited

KERENDARI 'A' COAL MINING PROJ

NOTE NO. 21 TO THE FS-ASSETS HELD FOR SALE **(Amount in ₹)**

	As at	01.04.2025	31.03.2025	31.03.2024
001	**ASSET HELD FOR SALE**	**0.00**	**0.00**	**0.00**
002		0.00	0.00	0.00
003	Assets held for Sale	0.00	0.00	0.00
004		0.00	0.00	0.00
005	**Total**	**0.00**	**0.00**	**0.00**
031		0.00	0.00	0.00
032	**Assets held for sale includes:-**	**0.00**	**0.00**	**0.00**
033		0.00	0.00	0.00
034	Land	0.00	0.00	0.00
035	Building	0.00	0.00	0.00
036	Plant and equipment	0.00	0.00	0.00
037	Other assets	0.00	0.00	0.00
038	**Total**	**0.00**	**0.00**	**0.00**
039		0.00	0.00	0.00
040		0.00	0.00	0.00
041		0.00	0.00	0.00
042		0.00	0.00	0.00
043		0.00	0.00	0.00

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Date: 2025.06.29 14:23:24 IST
Reason: AGM(Commercial)
Location: NTPC Limited

KERENDARI 'A' COAL MINING PROJ

NOTE NO. 22 TO THE FS--REGULATORY DEFERRAL ACCOUNT DEBIT BALANCES **(Amount in ₹)**

	As at	01.04.2025	31.03.2025	31.03.2024
001	On account of Exchange Differences	81,834,214.64	81,834,214.64	19,918,555.01
002	On account of employee benefit exp	0.00	0.00	0.00
003	Regulatory deferred account - deferred	0.00	0.00	0.00
004	Deferred asset for ash transportation	0.00	0.00	0.00
005	Deferred asset for Arbitration Award	0.00	0.00	0.00
008		0.00	0.00	0.00
009	**Total**	**81,834,214.64**	**81,834,214.64**	**19,918,555.01**

Signature Not Verified

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Date: 2025.06.29 14:23:24 IST
Reason: AGM(Commercial)
Location: NTPC Limited

KERENDARI 'A' COAL MINING PROJ

ANNEXURE TO NOTE 9- RPD (LOANS) JOINT VENTURE **(Amount in ₹)**

As at	01.04.2025	31.03.2025	31.03.2024

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Date: 2025.06.29 14:23:24 IST
Reason: AGM(Commercial)
Location: NTPC Limited

KERENDARI 'A' COAL MINING PROJ

NOTE NO. 23 TO THE FS-EQUITY-EQUITY SHARE CAPITAL **(Amount in ₹)**

	As at	01.04.2025	31.03.2025	31.03.2024
001	**SHARE CAPITAL**	**0.00**	**0.00**	**0.00**
002	**Equity Share Capital**	**0.00**	**0.00**	**0.00**
003	**Authorised**	**0.00**	**0.00**	**0.00**
004	16,60,00,00,000 equity shares of Rs.10/- each (Previous year 10,000,000,000 equity shares of Rs.10/- each)	0.00	0.00	0.00
005	**Issued,Subscribed and fully Paid-up**	**0.00**	**0.00**	**0.00**
006	9,69,66,66,134 equity shares of Rs.10/- (Pv. Year 9,894,557,280 equity shares of Rs.10/- each)	0.00	0.00	0.00
007		**0.00**	**0.00**	**0.00**
008	**Total**	**0.00**	**0.00**	**0.00**
009	During FY 2018-19, the company has issued 1,649,092,880 equity shares of Rs.10/- each as fully paid bonus shares	0.00	0.00	0.00
010	The holders of the equity shares are entitled to receive dividends as declared from time to time, and are entitled to one vote per share at meetings of the company.	0.00	0.00	0.00
011	Details of shareholders holding more than 5% shares in the company	0.00	0.00	0.00
012	- President of India	0.00	0.00	0.00
013	No. of Shares	0.00	0.00	0.00
014	% of holding	0.00	0.00	0.00
015	- Life Insurance Corporation of India/ICICI Prudential Mutual Fund	0.00	0.00	0.00
016	No. of Shares	0.00	0.00	0.00
017	% of holding	0.00	0.00	0.00

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Date: 2025.06.29 14:23:24 IST
Reason: AGM(Commercial)
Location: NTPC Limited

KERENDARI 'A' COAL MINING PROJ

NOTE NO. 24 TO THE FS-EQUITY-OTHER EQUITY **(Amount in ₹)**

	As at	01.04.2025	31.03.2025	31.03.2024
001	RESERVE AND SURPLUS	0.00	0.00	0.00
002		**0.00**	**0.00**	**0.00**
003	**Capital Reserve**	**0.00**	**0.00**	**0.00**
004	As per last financial statements	0.00	0.00	0.00
006	Add : Grants received during the year	0.00	0.00	0.00
007	Add: Transfer from Surplus	0.00	0.00	0.00
008	Less: Write back during the year/period	0.00	0.00	0.00
009	Less: Adjustments during the year/period	0.00	0.00	0.00
010	**SUB-TOTAL**	**0.00**	**0.00**	**0.00**
011		0.00	0.00	0.00
017		0.00	0.00	0.00
018	**SECURITIES PREMIUM ACCOUNT**	**0.00**	**0.00**	**0.00**
019	AS PER LAST FINANCIAL STATEMENTS	0.00	0.00	0.00
020	ADD: ADDITIONS DURING THE YEAR/PERIOD	0.00	0.00	0.00
021	LESS: ADJUSTMENTS DURING THE YEAR/PERIOD	0.00	0.00	0.00
022	**SUB-TOTAL**	**0.00**	**0.00**	**0.00**
023	**BONDS REDEMPTION RESERVE**	**0.00**	**0.00**	**0.00**
024	AS PER LAST FINANCIAL STATEMENTS	0.00	0.00	0.00
025	ADD: TRANSFER FROM SURPLUS	0.00	0.00	0.00
026	LESS: TRANSFER TO SURPLUS ON REDEMPTION	0.00	0.00	0.00
027	LESS: ADJUSTMENTS DURING THE YEAR/ PERIOD	0.00	0.00	0.00
028	**SUB-TOTAL**	**0.00**	**0.00**	**0.00**
029	**CAPITAL REDEMPTION RESERVE**	**0.00**	**0.00**	**0.00**
030	As per last financial statements	0.00	0.00	0.00
031	Add: Transfer from Surplus	0.00	0.00	0.00
032	Less: Transfer to surplus on redemption	0.00	0.00	0.00
033	Less: Adjustments during the year/ period	0.00	0.00	0.00
034	**Sub-Total**	**0.00**	**0.00**	**0.00**
035	**Share Application money pending Allotment**	**0.00**	**0.00**	**0.00**
036	As per last financial statements	0.00	0.00	0.00
037	Add: Addition during the year	0.00	0.00	0.00
038	Less: Utlised for allotment during the year	0.00	0.00	0.00
039	Less: Adjustments during the year/ period	0.00	0.00	0.00
040	**SUB-TOTAL**	**0.00**	**0.00**	**0.00**
046	**FLY-ASH UTILISATION RESERVE FUND**	**0.00**	**0.00**	**0.00**

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Date: 2025.06.29 14:23:24 IST
Reason: AGM(Commercial)
Location: NTPC Limited

KERENDARI 'A' COAL MINING PROJ

NOTE NO. 24 TO THE FS-EQUITY-OTHER EQUITY **(Amount in ₹)**

	As at	01.04.2025	31.03.2025	31.03.2024
047	AS PER LAST FINANCIAL STATEMENTS	0.00	0.00	0.00
048	TRANSFERRED TO CC	0.00	0.00	0.00
049	ADD:TRANSFER FROM REVENUE FROM OPERATIONS	0.00	0.00	0.00
050	ADD:TRANSFER FROM OTHER INCOME	0.00	0.00	0.00
051	LESS: UTILISED DURING THE YEAR	0.00	0.00	0.00
052	TANGIBLE ASSETS	0.00	0.00	0.00
053	EMPLOYEE BENEFIT EXPENSES	0.00	0.00	0.00
054	GENERATION,ADMN. AND OTHER EXPENSES	0.00	0.00	0.00
055	TAX EXPENSES	0.00	0.00	0.00
056	**SUB-TOTAL**	**0.00**	**0.00**	**0.00**
057	Self Insurance Reserve	0.00	0.00	0.00
058	As per last financial statements	0.00	0.00	0.00
059	Add: Addition during the year	0.00	0.00	0.00
060	Less: Utlised for allotment during the year	0.00	0.00	0.00
061	Less: Adjustments during the year/ period	0.00	0.00	0.00
062	SUB-TOTAL	0.00	0.00	0.00
063	**SPECIAL ALLOWANCE RESERVE FUND**	**0.00**	**0.00**	**0.00**
064	AS PER LAST FINANCIAL STATEMENTS	0.00	0.00	0.00
065	ADD: ADDITION DURING THE YEAR	0.00	0.00	0.00
066	LESS: UTLISED FOR ALLOTMENT DURING THE YEAR	0.00	0.00	0.00
067	LESS: ADJUSTMENTS DURING THE YEAR/ PERIOD	0.00	0.00	0.00
068	**SUB-TOTAL**	**0.00**	**0.00**	**0.00**
069	**CORPORATE SOCIAL RESPONSIBILITY (CSR) RESERVE**	**0.00**	**0.00**	**0.00**
070	AS PER LAST FINANCIAL STATEMENTS	0.00	0.00	0.00
071	ADD : TRANSFER FROM SURPLUS	0.00	0.00	0.00
072	LESS:-WRITE BACK DURING THE YEAR	0.00	0.00	0.00
073	**SUB-TOTAL**	**0.00**	**0.00**	**0.00**
074	**GENERAL RESERVE**	**0.00**	**0.00**	**0.00**
075	AS PER LAST FINANCIAL STATEMENTS	0.00	0.00	0.00
076	ADD: TRANSFER FROM SURPLUS	0.00	0.00	0.00
077	LESS: TRANSFER TO SURPLUS	0.00	0.00	0.00
078	LESS: WRITE BACK DURING THE YEAR /PERIOD	0.00	0.00	0.00
079	LESS: ADJUSTMENTS DURING	0.00	0.00	0.00

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Date: 2025.06.29 14:23:24 IST
Reason: AGM(Commercial)
Location: NTPC Limited

KERENDARI 'A' COAL MINING PROJ

NOTE NO. 24 TO THE FS-EQUITY-OTHER EQUITY **(Amount in ₹)**

	As at	01.04.2025	31.03.2025	31.03.2024
	THE YEAR /PERIOD			
080	**SUB-TOTAL**	**0.00**	**0.00**	**0.00**
081		**0.00**	**0.00**	**0.00**
082	**RETAINED EARNINGS**	**0.00**	**0.00**	**0.00**
083	AS PER LAST FINANCIAL STATEMENTS	-207,371,244.38	575,930.02	-1,793,842.66
084	ADD(LESS):-CHANGES IN ACCOUNTING POLICY / PRIOR PERIOD ERRORS	0.00	0.00	0.00
085	ADD(LESS):-PROFIT (LOSS) AFTER TAX FOR THE YEAR FROM STATEMENT OF PROFIT & LOSS	0.00	-207,947,174.40	2,369,772.68
087	ADD: WRITE BACK FROM BOND REDEMPTION RESERVE	0.00	0.00	0.00
088	ADD: WRITE BACK FROM CAPITAL RESERVE	0.00	0.00	0.00
089	ADD: WRITE BACK FROM FOREIGN PROJECT RESERVE	0.00	0.00	0.00
090	ADD: WRITE BACK FROM CSR RESERVE	0.00	0.00	0.00
091	ADD: WRITE BACK FROM GENERAL RESERVE	0.00	0.00	0.00
093	LESS: TRANSFER TO BONDS REDEMPTION RESERVE	0.00	0.00	0.00
094	LESS: TRANSFER TO SPECIAL ALLOWANCE RESERVE FUND	0.00	0.00	0.00
095	LESS: TRANSFER TO FOREIGN PROJECT RESERVE	0.00	0.00	0.00
096	LESS:TRANSFER TO CAPITAL RESERVE	0.00	0.00	0.00
097	LESS:TRANSFER TO CSR RESERVE	0.00	0.00	0.00
098	LESS:TRANSFER TO GENERAL RESERVE	0.00	0.00	0.00
099	LESS:INTERIM DIVIDEND PAID	0.00	0.00	0.00
100	LESS:TAX ON INTERIM DIVIDEND PAID	0.00	0.00	0.00
101	LESS:FINAL DIVIDEND PAID	0.00	0.00	0.00
102	LESS:TAX ON FINAL DIVIDEND PAID	0.00	0.00	0.00
103	LESS: ISSUE OF BONUS DEBENTURE	0.00	0.00	0.00
104	LESS: TAX ON ISSUE OF BONUS DEBENTURE	0.00	0.00	0.00
105	**SUB-TOTAL**	**-207,371,244.38**	**-207,371,244.38**	**575,930.02**
110		0.00	0.00	0.00
111	**REMEASUREMENT OF DEFINED BENEFIT PLANS**	**0.00**	**0.00**	**0.00**
112	AS PER LAST FINANCIAL STATEMENTS	0.00	0.00	0.00

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Reason: AGM(Commercial)
Location: NTPC Limited

KERENDARI 'A' COAL MINING PROJ

NOTE NO. 24 TO THE FS-EQUITY-OTHER EQUITY **(Amount in ₹)**

	As at	01.04.2025	31.03.2025	31.03.2024
113	ADD/(LESS):- ACTUARIAL GAINS/LOSS THROUGH OCI	0.00	0.00	0.00
114	**SUB-TOTAL**	**0.00**	**0.00**	**0.00**
115		0.00	0.00	0.00
116	**FVTOCI Reserve**	**0.00**	**0.00**	**0.00**
117	AS PER LAST FINANCIAL STATEMENTS	0.00	0.00	0.00
118	ADD(LESS):-NET GAIN/LOSS OF EQUITY INSTRUMENTS THROUGH OCI	0.00	0.00	0.00
119	**Sub-Total**	**0.00**	**0.00**	**0.00**
120		**0.00**	**0.00**	**0.00**
121	**Total Other equity**	**-207,371,244.38**	**-207,371,244.38**	**575,930.02**
122		0.00	0.00	0.00
123		0.00	0.00	0.00
124		0.00	0.00	0.00
125		0.00	0.00	0.00
126		0.00	0.00	0.00
127		0.00	0.00	0.00
128	The fly ash utilization reserve fund is controlled at Corporate Centre.	0.00	0.00	0.00

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Reason: AGM(Commercial)
Location: NTPC Limited

KERENDARI 'A' COAL MINING PROJ

NOTE NO. 25 TO THE FS-NCL-BORROWINGS **(Amount in ₹)**

	As at	01.04.2025	31.03.2025	31.03.2024
001	**LONG TERM BORROWINGS**	**0.00**	**0.00**	**0.00**
002	**Bonds**	**0.00**	**0.00**	**0.00**
003	**Secured**	**0.00**	**0.00**	**0.00**
004	7.37 % Tax free secured non-cumulative non-convertible redeemable bonds-2015 of Rs. 1,000/- each redeemable at par in full on 5th October 2035 (Fifty Sixth Issue - Public Issue - Series 3A).	0.00	0.00	0.00
005	7.62 % Tax free secured non-cumulative non-convertible redeemable bonds-2015 of Rs. 1,000/- each redeemable at par in full on 5th October 2035 (Fifty Sixth Issue - Public Issue - Series 3 B).	0.00	0.00	0.00
006	8.61% Tax free secured non-cumulative non-convertible redeemable bonds of ₹ 10,00,000/- each redeemable at par in full on 4th March 2034 (Fifty First Issue C - Private Placement)	0.00	0.00	0.00
007	8.66% Tax free secured non-cumulative non-convertible redeemable bonds - 2013 of ₹ 1000/- each redeemable at par in full on 16th December 2033 (Fiftieth Issue - Public Issue - Series 3A)	0.00	0.00	0.00
008	8.91% Tax free secured non-cumulative non-convertible redeemable bonds - 2013 of ₹ 1000/- each redeemable at par in full on 16th December 2033 (Fiftieth Issue - Public Issue - Series 3B)	0.00	0.00	0.00
009	7.37% Secured non-cumulative non-convertible redeemable taxable bonds of Rs. 10,00,000/- each redeemable at par in full on 14th December 2031 (Sixty Sixth Issue - Private	0.00	0.00	0.00

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Date: 2025.06.29 14:23:24 IST
Reason: AGM(Commercial)
Location: NTPC Limited

	As at	01.04.2025	31.03.2025	31.03.2024
	Placement)			
010	7.49% Secured non-cumulative non-convertible redeemable taxable bonds of Rs. 10,00,000/- each redeemable at par in full on 7th November 2031 (Sixty Fourth Issue - Private Placement)	0.00	0.00	0.00
011	7.28 % Tax free secured non-cumulative non-convertible redeemable bonds-2015 of Rs. 1,000/- each redeemable at par in full on 5th October 2030 (Fifty Sixth Issue - Public Issue - Series 2A)	0.00	0.00	0.00
012	7.53 % Tax free secured non-cumulative non-convertible redeemable bonds-2015 of Rs. 1,000/- each redeemable at par in full on 5th October 2030 (Fifty Sixth Issue - Public Issue - Series 2 B).	0.00	0.00	0.00
013	7.32% Secured non-cumulative non-convertible redeemable taxable bonds of Rs 10,00,000/- each redeemable at par in full on 17 July 2029 (Sixty Ninth Issue - Private Placement)	0.00	0.00	0.00
014	8.63% Tax free secured non-cumulative non-convertible redeemable bonds of ₹ 10,00,000/- each redeemable at par in full on 4th March 2029 (Fifty First Issue B - Private Placement)	0.00	0.00	0.00
015	8.30% Secured non-cumulative non-convertible redeemable taxable bonds of Rs 10,00,000/- each redeemable at par in full on 15 January 2029 (Sixty Seventh Issue - Private Placement)	0.00	0.00	0.00

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Date: 2025.06.29 14:23:24 IST
Reason: AGM(Commercial)
Location: NTPC Limited

NOTE NO. 25 TO THE FS-NCL-BORROWINGS **(Amount in ₹)**

	As at	01.04.2025	31.03.2025	31.03.2024
016	8.48% Tax free secured non-cumulative non-convertible redeemable bonds - 2013 of ₹ 1000/- each redeemable at par in full on 16th December 2028 (Fiftieth Issue - Public Issue - Series 2A)	0.00	0.00	0.00
017	8.73% Tax free secured non-cumulative non-convertible redeemable bonds - 2013 of ₹ 1000/- each redeemable at par in full on 16th December 2028 (Fiftieth Issue - Public Issue - Series 2B)	0.00	0.00	0.00
018	7.47% Secured non-cumulative non-convertible redeemable taxable bonds of Rs. 10,00,000/- each redeemable at par in full on 16th September 2026 (Sixty Third Issue - Private Placement)	0.00	0.00	0.00
019	7.58% Secured non-cumulative non-convertible redeemable taxable bonds of Rs. 10,00,000/- each redeemable at par in full on 23rd August 2026 (Sixty Second Issue - Private Placement)	0.00	0.00	0.00
020	8.05% Secured non-cumulative non-convertible redeemable taxable bonds of Rs. 10,00,000/- each redeemable at par in full on 5th May 2026 (Sixtieth Issue - Private Placement)	0.00	0.00	0.00
021	8.19% Secured non-cumulative non-convertible redeemable taxable bonds of Rs. 10,00,000/- each redeemable at par in full on 15th December 2025 (Fifty Seventh Issue - Private Placement)	0.00	0.00	0.00
022	7.11 % Tax free secured non-cumulative non-convertible redeemable	0.00	0.00	0.00

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Date: 2025.06.29 14:23:24 IST
Reason: AGM(Commercial)
Location: NTPC Limited

	As at	01.04.2025	31.03.2025	31.03.2024
	bonds-2015 of Rs. 1,000/- each redeemable at par in full on 5th October 2025 (Fifty Sixth Issue - Public Issue - Series 1A).			
023	7.36 % Tax free secured non-cumulative non-convertible redeemable bonds-2015 of Rs. 1,000/- each redeemable at par in full on 5th October 2025 (Fifty Sixth Issue - Public Issue - Series 1 B).	0.00	0.00	0.00
024	7.15% Tax free secured non-cumulative non-convertible redeemable bonds - 2015 of Rs. 10,00,000/- each redeemable at par in full on 21st August 2025 (Fifty Fifth Issue - Private Placement)	0.00	0.00	0.00
025	9.17% Secured non-cumulative non-convertible redeemable taxable bonds of ₹ 10,00,000/- each redeemable at par in full on 22nd September 2024 (53rd Issue - private placement).	0.00	0.00	0.00
026	9.34% Secured non-cumulative non-convertible redeemable taxable bonds of ₹10,00,000/- each redeemable at par in full on 24th March 2024 (Fifty Second Issue - private placement)	0.00	0.00	0.00
027	8.19% Tax free secured non-cumulative non-convertible redeemable bonds - 2013 of ₹ 10,00,000/- each redeemable at par in full on 4th March 2024 (Fifty First Issue A - Private Placement)	0.00	0.00	0.00
028	8.41% Tax free secured non-cumulative non-convertible redeemable bonds - 2013 of ₹ 1000/- each redeemable at par in full on 16th December 2023 (	0.00	0.00	0.00

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Date: 2025.06.29 14:23:24 IST
Reason: AGM(Commercial)
Location: NTPC Limited

	As at	01.04.2025	31.03.2025	31.03.2024
	Fiftieth Issue - Public Issue - Series 1A)			
029	8.66% Tax free secured non-cumulative non-convertible redeemable bonds - 2013 of ₹ 1000/- each redeemable at par in full on 16th December 2023 (Fiftieth Issue - Public Issue - Series 1B)	0.00	0.00	0.00
030	9.25% Secured non-cumulative non-convertible redeemable taxable bonds of ₹10,00,000/- each with five equal separately transferable redeemable principal parts (STRPP) redeemable at par at the end of 11th year and in annual installments thereafter upto the end of 15th year respectively commencing from 4th May 2023 and ending on 4th May 2027 (Forty fourth issue - private placement)VII	0.00	0.00	0.00
031	8.48% Secured non-cumulative non-nonvertible redeemable taxable bonds of ₹ 10,00,000/- each redeemable at par in full on 1st May 2023 (Seventeenth issue - private placement)I	0.00	0.00	0.00
032	8.80% Secured non-cumulative non-convertible redeemable taxable bonds of ₹10,00,000/- each redeemable at par in full on 4th April 2023 (Forty ninth issue -private placement	0.00	0.00	0.00
033	8.49% Secured non-cumulative non-convertible redeemable taxable fully paid-up bonus debentures of Rs. 12.50 each redeemable at par in three annual installments of Rs. 2.50, Rs. 5.00 and Rs. 5.00 at the end of 8th year, 9th year and 10th year on 25th March 2023, 25th March 2024 and	0.00	0.00	0.00

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Date: 2025.06.26 14:23:24 IST
Reason: AGM(Commercial)
Location: NTPC Limited

	As at	01.04.2025	31.03.2025	31.03.2024
	25th March 2025 respectively (Fifty Fourth Issue -Bonus Debentures)X - (refer Note 5 d)			
034	8.73% Secured non-cumulative non-convertible redeemable taxable bonds of ₹ 10,00,000/- each redeemable at par in full on 07th March 2023 (Forty eighth issue - private placement)	0.00	0.00	0.00
035	9.00% Secured non-cumulative non-convertible redeemable taxable bonds of ₹ 10,00,000/- each with five equal separately transferable redeemable principal parts (STRPP) redeemable at par at the end of 11th year and in annual installments thereafter upto the end of 15th year respectively commencing from 25th January 2023 and ending on 25th January 2027 (Forty second issue- private placement)III	0.00	0.00	0.00
036	8.84% Secured non-cumulative non-convertible redeemable taxable bonds of ₹10,00,000/- each redeemable at par in full on 4th October 2022 (Forty seventh issue- private placement)VII	0.00	0.00	0.00
037	7.93% Secured non-cumulative non-convertible redeemable taxable bonds of ` 10,00,000/- each redeemable at par in full on 03 May 2022 (68th Issue - Private Placement)	0.00	0.00	0.00
038	6.72% Secured non-cumulative non-convertible redeemable taxable bonds of Rs. 10,00,000/- each redeemable at par in full on 24th November 2021 (Sixty Fifth Issue - Private Placement)	0.00	0.00	0.00
039	8.10% Secured Non-Cumulative	0.00	0.00	0.00

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Date: 2025.06.29 14:23:24 IST
Reason: AGM(Commercial)
Location: NTPC Limited

	As at	01.04.2025	31.03.2025	31.03.2024
	Non- Convertible Redeemable Taxable Bonds of Rs. 30,00,000/- each redeemable at par in three equal separately transferable redeemable principal parts (STRPP) at the end of 5th year, 10th year & 15th year on 27th May 2021, 27th May 2026 and 27th May 2031 respectively (Sixty First Issue-Private Placement)			
040	8.33% Secured non-cumulative non-convertible redeemable taxable bonds of Rs.10,00,000/- each redeemable at par in full on 24th February 2021 (Fifty Ninth Issue - Private Placement).	0.00	0.00	0.00
042	8.93% Secured non-cumulative non-convertible redeemable taxable bonds of ₹ 10,00,000/- each redeemable at par in full on 19th January 2021 Thirty seventh issue - private placement)III	0.00	0.00	0.00
043	8.18% Secured non-cumulative non-convertible redeemable taxable bonds of Rs.10,00,000/- each redeemable at par in full on 31st December 2020 (Fifty Eight Issue - Private Placement).	0.00	0.00	0.00
044	8.73 % Secured non-cumulative non-convertible redeemable taxable bonds of ₹ 10,00,000/- each redeemable at par in full on 31st March 2020 (Thirty third issue- private placement)III	0.00	0.00	0.00
045	8.78 % Secured non-cumulative non-convertible redeemable taxable bonds of ₹ 10,00,000/- each redeemable at par in full on 9th March 2020 (Thirty first issue- private placement)III	0.00	0.00	0.00

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Date: 2025.06.29 14:23:24 IST
Reason: AGM(Commercial)
Location: NTPC Limited

NOTE NO. 25 TO THE FS-NCL-BORROWINGS **(Amount in ₹)**

	As at	01.04.2025	31.03.2025	31.03.2024
046	11.25% Secured non-cumulative non-convertible redeemable taxable bonds of ₹ 10,00,000/- each redeemable at par in five equal annual installments commencing from 6th Nov 2019 and ending on 6th Nov 2023 (Twenty seventh issue - private placement)III	0.00	0.00	0.00
047	7.89% Secured non-cumulative non-convertible redeemable taxable bonds of ₹ 10,00,000/- each redeemable at par in full on 5th May 2019 (Thirtieth issue - private placement)III	0.00	0.00	0.00
048	8.65% Secured non-cumulative non-convertible redeemable taxable bonds of ₹10,00,000/- each redeemable at par in full on 4th February 2019 (Twenty ninth issue - private placement)III	0.00	0.00	0.00
049	7.50% Secured non-cumulative non-convertible redeemable taxable bonds of ₹ 10,00,000/- each redeemable at par in full on 12th January 2019 (Nineteenth issue - private placement)II	0.00	0.00	0.00
050	11% Secured non-cumulative non-convertible redeemable taxable bonds of ₹ 10,00,000/- each redeemable at par in full on 21st November 2018 (Twenty eighth issue - private placement)III	0.00	0.00	0.00
051	9.3473% Secured non-cumulative non-convertible redeemable taxable bonds of ₹15,00,000/- each with fifteen equal separately transferable redeemable principal parts (STRPP) redeemable at par at the end of 6th year and in annual installments thereafter upto the end of 20th	0.00	0.00	0.00

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Date: 2025.06.28 14:23:24 IST
Reason: AGM(Commercial)
Location: NTPC Limited

	As at	01.04.2025	31.03.2025	31.03.2024
	year respectively commencing from 20th July 2018 and ending on 20th July 2032 (Forty sixth issue - private placement)VII			
052	9.4376% Secured non-cumulative non-convertible redeemable taxable bonds of ₹ 15,00,000/- each with fifteen equal separately transferable redeemable principal parts (STRPP) redeemable at par at the end of 6th year and in annual installments thereafter upto the end of 20th year respectively commencing from 16th May 2018 and ending on 16th May 2032 (Forty fifth issue - private placement)VII	0.00	0.00	0.00
053	8.00% Secured non-cumulative non-convertible redeemable taxable bonds of ₹ 10,00,000/- each redeemable at par in full on 10th April 2018 (Sixteenth issue -private placement)I	0.00	0.00	0.00
054	9.2573% Secured non-cumulative non-convertible redeemable taxable bonds of ₹ 15,00,000/- each with fifteen equal separately transferable redeemable principal parts (STRPP) redeemable at par at the end of 6th year and in annual installments thereafter upto the end of 20th year respectively commencing from 2nd March 2018 and ending on 2nd March 2032 (Forty third issue - private placement)III	0.00	0.00	0.00
055	9.6713% Secured non-cumulative non-convertible redeemable taxable bonds of ₹ 15,00,000/- each with fifteen equal separately transferable redeemable principal parts	0.00	0.00	0.00

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Date: 2025.06.29 14:23:24 IST
Reason: AGM(Commercial)
Location: NTPC Limited

	As at	01.04.2025	31.03.2025	31.03.2024
	(STRPP) redeemable at par at the end of 6th year and in annual installments thereafter upto the end of 20th year respectively commencing from 23rd December 2017 and ending on 23rd December 2031 (Forty first issue - private placement)III			
056	9.558% Secured non-cumulative non-convertible redeemable taxable bonds of ₹ 15,00,000/- each with fifteen equal separately transferable redeemable principal parts (STRPP) redeemable at par at the end of 6th year and in annual installments thereafter upto the end of 20th year respectively commencing from 29th July 2017 and ending on 29th July 2031(Fourtieth issue-private placement)III	0.00	0.00	0.00
057	9.3896% Secured non-cumulative non-convertible redeemable taxable bonds of ₹ 15,00,000/- each with fifteen equal separately transferable redeemable principal parts (STRPP) redeemable at par at the end of 6th year and in annual installments thereafter upto the end of 20th year respectively commencing from 9th June 2017 and ending on 9th June 2031(Thirty ninth issue-private placement)III	0.00	0.00	0.00
058	9.17% Secured non-cumulative non-convertible redeemable taxable bonds of ₹ 15,00,000/- each with fifteen equal separately transferable redeemable principal parts (STRPP) redeemable at par at the end of 6th year and in annual installments thereafter upto the end of 20th	0.00	0.00	0.00

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	As at	01.04.2025	31.03.2025	31.03.2024
	year respectively commencing from 22nd March 2017 and ending on 22nd March 2031(Thirty eighth issue-private placement)III			
059	8.8086% Secured non-cumulative non-convertible redeemable taxable bonds of ₹ 15,00,000/- each with fifteen equal separately transferable redeemable principal parts (STRPP) redeemable at par at the end of 6th year and in annual installments thereafter upto the end of 20th year respectively commencing from 15th December 2016 and ending on 15th December 2030 (Thirty sixth issue - private placement)III	0.00	0.00	0.00
060	8.785% Secured non-cumulative non-convertible redeemable taxable bonds of ₹ 15,00,000/- each with fifteen equal separately transferable redeemable principal parts (STRPP) redeemable at par at the end of 6th year and in annual installments thereafter upto the end of 20th year respectively commencing from 15th September 2016 and ending on 15th September 2030 (Thirty fifth issue - private placement)III	0.00	0.00	0.00
061	8.71% Secured non-cumulative non-convertible redeemable taxable bonds of ₹ 15,00,000/- each with fifteen equal separately transferable redeemable principal parts (STRPP) redeemable at par at the end of 6th year and in annual installments thereafter upto the end of 20th year respectively commencing from 10th June 2016 and ending on 10th June 2030 (Thirty fourth issue - private	0.00	0.00	0.00

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Reason: AGM(Commercial)
Location: NTPC Limited

NOTE NO. 25 TO THE FS-NCL-BORROWINGS (Amount in ₹)

	As at	01.04.2025	31.03.2025	31.03.2024
	placement)III			
062	8.8493% Secured non-cumulative non-convertible redeemable taxable bonds of ₹ 15,00,000/- each with fifteen equal separately transferable redeemable principal parts (STRPP) redeemable at par at the end of 6th year and in annual installments thereafter upto the end of 20th year respectively commencing from 25th March 2016 and ending on 25th March 2030 (Thirty second issue - private placement)III	0.00	0.00	0.00
063	9.37% Secured non-cumulative non-convertible redeemable taxable bonds of ₹ 70,00,000/- each with fourteen separately transferable redeemable principal parts (STRPP) redeemable at par semi-annually commencing from 4th June 2012 and ending on 4th December 2018 (Twenty fifth issue - private placement)III	0.00	0.00	0.00
065	9.06% Secured non-cumulative non-convertible redeemable taxable bonds of ₹ 70,00,000/- each with fourteen separately transferable redeemable principal parts (STRPP) redeemable at par semi-annually commencing from 4th June 2012 and ending on 4th December 2018 (Twenty sixth issue - private placement)III	0.00	0.00	0.00
066	8.6077% Secured non-cumulative non-convertible redeemable taxable bonds of ₹ 20,00,000/- each with twenty equal separately transferable redeemable principal parts (STRPP) redeemable at par semi-annually	0.00	0.00	0.00

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Reason: AGM(Commercial)
Location: NTPC Limited

	As at	01.04.2025	31.03.2025	31.03.2024
	commencing from 9th September 2011 and ending on 9th March 2021 (Twenty fourth issue - private placement)IV			
067	8.3796% Secured non-cumulative non-convertible redeemable taxable bonds of ₹ 20,00,000/- each with twenty equal separately transferable redeemable principal parts (STRPP) redeemable at par semi-annually commencing from 5th August 2011 and ending on 5th February 2021 (Twenty third issue - private placement)IV	0.00	0.00	0.00
068	8.1771% Secured non-cumulative non-convertible redeemable taxable bonds of ₹ 20,00,000/- each with twenty equal separately transferable redeemable principal parts (STRPP) redeemable at par semi-annually commencing from 2nd July 2011 and ending on 2nd January 2021 (Twenty second issue - private placement)IV	0.00	0.00	0.00
069	7.7125% Secured non-cumulative non-convertible redeemable taxable bonds of ₹ 20,00,000/- each with twenty equal separately transferable redeemable principal parts (STRPP) redeemable at par semi-annually commencing from 2nd August 2010 and ending on 2nd February 2020 (Twenty first issue - private placement)V	0.00	0.00	0.00
070	7.552% Secured non-cumulative non-convertible redeemable taxable bonds of ₹ 20,00,000/- each with twenty equal separately transferable redeemable principal parts (STRPP) redeemable at par semi-annually commencing from 23rd	0.00	0.00	0.00

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Reason: AGM(Commercial)
Location: NTPC Limited

	As at	01.04.2025	31.03.2025	31.03.2024
	September 2009 and ending on 23rd March 2019 (Twentieth issue - private placement)VI			
071	9.55% Secured non-cumulative non-convertible taxable redeemable bonds of ₹ 10,00,000/- each with ten equal separately transferable redeemable principal parts (STRPP) redeemable at par at the end of the 6th year and in annual installments thereafter upto the end of 15th year respectively from 30th April 2002 (Thirteenth issue - Part B - private placement)VIII	0.00	0.00	0.00
072	9.55% Secured non-cumulative non-convertible taxable redeemable bonds of ₹ 10,00,000/- each redeemable at par in ten equal annual installments commencing from the end of 6th year and upto the end of 15th year respectively from 18th April 2002 (Thirteenth issue -Part A - private placement)VIII	0.00	0.00	0.00
075		0.00	0.00	0.00
076		0.00	0.00	0.00
077		0.00	0.00	0.00
078		0.00	0.00	0.00
079		0.00	0.00	0.00
080		0.00	0.00	0.00
081		0.00	0.00	0.00
082	**Sub Total**	**0.00**	**0.00**	**0.00**
083	**Unsecured**	**0.00**	**0.00**	**0.00**
084	6.55% Unsecured non-cumulative non-convertible redeemable taxable bonds of ₹ 10,00,000/- each redeemable at par in full on 17 April 2023 (Seventieth Issue - Private Placement)	0.00	0.00	0.00
085	6.29% Unsecured non-cumulative non-convertible redeemable taxable bonds	0.00	0.00	0.00

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Reason: AGM(Commercial)
Location: NTPC Limited

	As at	01.04.2025	31.03.2025	31.03.2024
	of ₹ 10,00,000/- each redeemable at par in full on 11 April 2031 (Seventy First Issue - Private Placement)			
086	5.45% Unsecured non-cumulative non-convertible redeemable taxable bonds of ₹ 10,00,000/- each redeemable at par in full on 15 October 2025 (Seventy Second Issue - Private Placement)	0.00	0.00	0.00
087	6.43% Unsecured non-cumulative non-convertible redeemable taxable bonds of ₹ 10,00,000/- each redeemable at par in full on 27 January 2031 (Seventy Third Issue - Private Placement)	0.00	0.00	0.00
088	6.87% Unsecured non-cumulative non-convertible redeemable taxable bonds of ₹ 10,00,000/- each redeemable at par in full on 21 April 2036 (Seventy Fourth Issue - Private Placement)	0.00	0.00	0.00
089	6.69% Unsecured non-cumulative non-convertible redeemable taxable bonds of ₹ 10,00,000/- each redeemable at par in full on 13 September 2031 (Seventy Fifth Issue - Private Placement)	0.00	0.00	0.00
090	6.74% Unsecured non-cumulative non-convertible redeemable taxable bonds of Rs.10,00,000/- each redeemable at par in full on 14 April 2032 (Seventy Sixth Issue - Private Placement)	0.00	0.00	0.00
091	5.78% Unsecured non-cumulative non-convertible redeemable taxable bonds of ₹ 10,00,000/- each redeemable at par in full on 29 April 2024 (Seventy Seventh Issue - Private Placement)	0.00	0.00	0.00
092	7.44% Unsecured non-cumulative non-convertible redeemable taxable bonds of ₹ 10,00,000/- each redeemable	0.00	0.00	0.00

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Reason: AGM(Commercial)
Location: NTPC Limited

	As at	01.04.2025	31.03.2025	31.03.2024
	at par in full on 25 August 2032 (Seventy Eighth Issue - Private Placement)			
093	7.44% Unsecured non-cumulative non-convertible redeemable taxable bonds of ` 10,00,000/- each redeemable at par in full on 15 April 2033 (Seventy Ninth Issue - Private Placement)	0.00	0.00	0.00
094	7.35% Unsecured non-cumulative non-convertible redeemable taxable bonds of ` 1,00,000/- each redeemable at par in full on 17 April 2026 (Eightieth Issue - Private Placement)	0.00	0.00	0.00
095	7.48% Unsecured non-cumulative non-convertible redeemable taxable bonds of ₹ 1,00,000/- each redeemable at par in full on 21 March 2026 (Eighty First Issue - Private Placement)	0.00	0.00	0.00
096		0.00	0.00	0.00
097		0.00	0.00	0.00
098		0.00	0.00	0.00
099		0.00	0.00	0.00
100	**Sub-total**	**0.00**	**0.00**	**0.00**
101	**Total**	**0.00**	**0.00**	**0.00**
102	**Foreign Currency Notes-Unsecured**	**0.00**	**0.00**	**0.00**
103	4.50% Fixed Rate Notes Due for repayment on 19th March 2028	0.00	0.00	0.00
104	2.75% Fixed rate notes due for repayment on 1st February 2027	0.00	0.00	0.00
105	4.25 % Fixed rate notes due for repayment on 26th February 2026	0.00	0.00	0.00
106	4.375% Fixed Rate Note due for repayment on 26th November 2024	0.00	0.00	0.00
107	4.75 % Fixed Rate Notes due for repayment on 3rd Oct 2022	0.00	0.00	0.00
108	7.25 % Fixed green global INR denominated bonds due on 3 May 2022	0.00	0.00	0.00
109	7.375 % Fixed green global INR denominated bonds due on 10 August 2021	0.00	0.00	0.00
110	5.625% Fixed Rate Notes due for repayment on 14th July 2021	0.00	0.00	0.00
111	3.75 % Fixed rate notes due for repayment on 03 April 2024	0.00	0.00	0.00

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Reason: AGM(Commercial)
Location: NTPC Limited

NOTE NO. 25 TO THE FS-NCL-BORROWINGS **(Amount in ₹)**

	As at	01.04.2025	31.03.2025	31.03.2024
112		0.00	0.00	0.00
113		0.00	0.00	0.00
114		0.00	0.00	0.00
115	**Sub Total**	**0.00**	**0.00**	**0.00**
116	**Term Loans**	**0.00**	**0.00**	**0.00**
117	**From Banks**	**0.00**	**0.00**	**0.00**
118	**Secured**	**0.00**	**0.00**	**0.00**
119	Rupee Loans	0.00	0.00	0.00
120	**Unsecured**	**0.00**	**0.00**	**0.00**
121	Foreign Currency Loans	0.00	0.00	0.00
122	Rupee Loans	0.00	0.00	0.00
123	**From Others**	**0.00**	**0.00**	**0.00**
124	**Secured**	**0.00**	**0.00**	**0.00**
125	Rupee Loans	0.00	0.00	0.00
126	Foreign Currency loans (guaranteed by GOI)	0.00	0.00	0.00
127	**Unsecured**	**0.00**	**0.00**	**0.00**
128	Foreign Currency loans (guaranteed by GOI)	0.00	0.00	0.00
129	Other Foreign currency loans	0.00	0.00	0.00
131	Rupee Loans	0.00	0.00	0.00
132	**Deposits**	**0.00**	**0.00**	**0.00**
133	**Unsecured**	**0.00**	**0.00**	**0.00**
134	Fixed Deposits	0.00	0.00	0.00
135	**Others**	**0.00**	**0.00**	**0.00**
136	**Unsecured**	**0.00**	**0.00**	**0.00**
137	Bonds Application Money Pending Allotment	0.00	0.00	0.00
138	**Sub-total**	**0.00**	**0.00**	**0.00**
139	**Total**	**0.00**	**0.00**	**0.00**
140	Less:- Interst accrued but not due on secured borrowings	0.00	0.00	0.00
141	Less:- Interst accrued but not due on unsecured borrowings	0.00	0.00	0.00
142	Less:- Current maturities of long term borrowings	0.00	0.00	0.00
143	Bonds-Secured	0.00	0.00	0.00
144	Bonds-Unsecured	0.00	0.00	0.00
145	Fixed Rate Notes	0.00	0.00	0.00
147	Foreign currency loans from Banks-unsecured	0.00	0.00	0.00
148	Rupee loans from banks- Secured	0.00	0.00	0.00
149	Rupee loans from banks- unsecured	0.00	0.00	0.00
150	Rupee Term loan from Others - Secured	0.00	0.00	0.00
151	Foreign currency loans from others-unsecured (Guaranteed by GOI)	0.00	0.00	0.00
152	Other foreign currency loans from	0.00	0.00	0.00

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Reason: AGM(Commercial)
Location: NTPC Limited

KERENDARI 'A' COAL MINING PROJ

NOTE NO. 25 TO THE FS-NCL-BORROWINGS **(Amount in ₹)**

	As at	01.04.2025	31.03.2025	31.03.2024
	others- unsecured			
153	Rupee loans from others- unsecured	0.00	0.00	0.00
154		0.00	0.00	0.00
155		0.00	0.00	0.00
156		0.00	0.00	0.00
157		0.00	0.00	0.00
158		0.00	0.00	0.00
159		0.00	0.00	0.00
160		0.00	0.00	0.00
161		0.00	0.00	0.00
163		0.00	0.00	0.00
201	**Total**	**0.00**	**0.00**	**0.00**

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Date: 2025.06.29 14:23:24 IST
Reason: AGM(Commercial)
Location: NTPC Limited

KERENDARI 'A' COAL MINING PROJ

NOTE NO. 26 TO THE FS-NCL-LEASE LIABILITIES **(Amount in ₹)**

	As at	01.04.2025	31.03.2025	31.03.2024
001	**Non-current financial liabilities - Lease liabilities**	**0.00**	**0.00**	**0.00**
002	**Lease liabilities**	**0.00**	**0.00**	**0.00**
003	Long term maturities of Finance Lease Liabilities (Secured)	0.00	0.00	0.00
004	Long term maturities of Finance Lease Liabilites (Unsecured)	784,335,874.00	784,335,874.00	732,439,258.00
005	**Sub-Total**	**784,335,874.00**	**784,335,874.00**	**732,439,258.00**
006	**Less: current maturities of lease liabilities**	**0.00**	**0.00**	**0.00**
007	Finance Lease obligations - secured	0.00	0.00	0.00
008	Finance Lease obligations - unsecured	173,812,161.00	173,812,161.00	137,652,902.00
009	**Sub-Total**	**173,812,161.00**	**173,812,161.00**	**137,652,902.00**
011	**Total**	**610,523,713.00**	**610,523,713.00**	**594,786,356.00**

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Reason: AGM(Commercial)
Location: NTPC Limited

KERENDARI 'A' COAL MINING PROJ

NOTE NO. 27 TO THE FS-NCL-TRADE PAYABLES **(Amount in ₹)**

	As at	01.04.2025	31.03.2025	31.03.2024
001	**TRADE PAYABLES(NON CURRENT)**	**0.00**	**0.00**	**0.00**
002	**For Goods and Services**	**0.00**	**0.00**	**0.00**
003	- Micro & Small Enterprises	0.00	0.00	0.00
004	- Others	0.00	0.00	0.00
005		0.00	0.00	0.00
007	**Total**	**0.00**	**0.00**	**0.00**

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Reason: AGM(Commercial)
Location: NTPC Limited

KERENDARI 'A' COAL MINING PROJ

NOTE NO. 28 TO THE FS-NCL-OTHER FINANCIAL LIABILITIES **(Amount in ₹)**

	As at	01.04.2025	31.03.2025	31.03.2024
001	**OTHER FINANCIAL LIABILITIES (NON-CURRENT)**	**0.00**	**0.00**	**0.00**
002	Payable for Capital Expenditure	0.00	0.00	0.00
003	- Micro & Small Enterprises	0.00	0.00	37,161.57
004	- Others	0.00	0.00	0.00
005	Contractual Obligations	207,198.52	207,198.52	875,016.12
006	Others	0.00	0.00	0.00
007	Deposits from contractors and others	0.00	0.00	0.00
008		0.00	0.00	0.00
009		0.00	0.00	0.00
011	**Total**	**207,198.52**	**207,198.52**	**912,177.69**
020		0.00	0.00	0.00
021		0.00	0.00	0.00
022		0.00	0.00	0.00
023		0.00	0.00	0.00
024		0.00	0.00	0.00
025		0.00	0.00	0.00
026		0.00	0.00	0.00
027		0.00	0.00	0.00
028		0.00	0.00	0.00
029		0.00	0.00	0.00
030	Additional Information:	0.00	0.00	0.00
031	**Contractual Obligations**	**0.00**	**0.00**	**0.00**
032	- Micro & Small Enterprises	100,707.40	100,707.40	110,987.10
033	- Others	106,491.12	106,491.12	764,029.02
034	**Sub-total**	**207,198.52**	**207,198.52**	**875,016.12**
035	**Total (24+28)**	**207,198.52**	**207,198.52**	**875,016.12**

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Reason: AGM(Commercial)
Location: NTPC Limited

KERENDARI 'A' COAL MINING PROJ

NOTE NO. 29 TO THE FS-NCL-PROVISIONS **(Amount in ₹)**

	As at	01.04.2025	31.03.2025	31.03.2024
001	**LONG TERM PROVISIONS**	**0.00**	**0.00**	**0.00**
002	**Provision for Employee Benefits**	**0.00**	**0.00**	**0.00**
003	Opening Balance	0.00	0.00	0.00
004	Additions/ (adjustments) during the year	0.00	0.00	0.00
005	**Closing Balance**	**0.00**	**0.00**	**0.00**
006		0.00	0.00	0.00
007	**Others**	**0.00**	**0.00**	**0.00**
008	**i) Mine Closure Provision**	**0.00**	**0.00**	**0.00**
009	Opening Balance	0.00	0.00	0.00
010	Additions during the year	1,296,100,000.00	0.00	0.00
011	Amounts adjusted during the year	0.00	0.00	0.00
012	Amounts reversed during the year	0.00	0.00	0.00
013	**Closing Balance**	**1,296,100,000.00**	**0.00**	**0.00**
014		0.00	0.00	0.00
015	**ii) Stripping Activity Adjustments**	**0.00**	**0.00**	**0.00**
016	Opening Balance	-427,710,129.00	0.00	0.00
017	Additions during the year	0.00	-427,710,129.00	0.00
018	Amounts adjusted during the year	0.00	0.00	0.00
019	Amounts reversed during the year	0.00	0.00	0.00
020	**Closing Balance**	**-427,710,129.00**	**-427,710,129.00**	**0.00**
021		0.00	0.00	0.00
024		0.00	0.00	0.00
026	**TOTAL**	**868,389,871.00**	**-427,710,129.00**	**0.00**

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Reason: AGM(Commercial)
Location: NTPC Limited

NOTE NO. 30 TO THE FS-NCL-DEFERRED TAX LIABILITIES (NET) **(Amount in ₹)**

	As at	Opening Balance on 01.04.2024	Addition	Closing Balance on 31.03.2025
001	**DEFERRED TAX LIABILITIES (NET)**			
002	Difference of book depreciation and tax depreciation	0.00	0.00	0.00
003	Less: Deferred tax assets			
004	Provisions & Other disallowances for tax purposes	0.00	0.00	0.00
005	Unabsorbed Depreciation	0.00	0.00	0.00
006	Disallowances u/s 43B of the Income Tax Act, 1961	0.00	0.00	0.00
007	Others	0.00	0.00	0.00
008	Opening Balance	0.00	0.00	0.00
009	Additions during the year	0.00	0.00	0.00
010	Amounts adjusted during the year	0.00	0.00	0.00
011	Amounts reversed during the year	0.00	0.00	0.00
012	Closing Balance	0.00	0.00	0.00
013	MAT credit entitlement	0.00	0.00	0.00
014	**Total**	**0.00**	**0.00**	**0.00**
016		0.00	0.00	0.00
017	**Total**	**0.00**	**0.00**	**0.00**
018	Breakup of deferred tax assets	0.00	0.00	0.00
019	Provision	0.00	0.00	0.00
020	Statutory dues	0.00	0.00	0.00
021	Leave encashment	0.00	0.00	0.00
022	Others	0.00	0.00	0.00
023		0.00	0.00	0.00
024		0.00	0.00	0.00

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Reason: AGM(Commercial)
Location: NTPC Limited

KERENDARI 'A' COAL MINING PROJ

NOTE NO. 31 TO THE FS-NCL-OTHER NON-CURRENT LIABILITIES **(Amount in ₹)**

	As at	01.04.2025	31.03.2025	31.03.2024
001	Other Non current Liabilities	0.00	0.00	0.00
002	Advances from customers and others	0.00	0.00	0.00
003	Deposits from contractors and others	0.00	0.00	0.00
004	Grants	0.00	0.00	0.00
006		0.00	0.00	0.00
007	**TOTAL**	**0.00**	**0.00**	**0.00**

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Date: 2025.06.29 14:23:24 IST
Reason: AGM(Commercial)
Location: NTPC Limited

KERENDARI 'A' COAL MINING PROJ

NOTE NO. 32 TO THE FS-CL-BORROWINGS **(Amount in ₹)**

	As at	01.04.2025	31.03.2025	31.03.2024
001	**Short Term Borrowings**	**0.00**	**0.00**	**0.00**
002	**Loans repayable on demand**	**0.00**	**0.00**	**0.00**
003	**From Banks**	**0.00**	**0.00**	**0.00**
004	**Secured**	**0.00**	**0.00**	**0.00**
005	Cash Credit	0.00	0.00	0.00
006	**Unsecured**	**0.00**	**0.00**	**0.00**
007	Cash Credit	0.00	0.00	0.00
008	**Other loans-unsecured**	**0.00**	**0.00**	**0.00**
009	Commercial Papers	0.00	0.00	0.00
010	Less: Unamortised discount on Commercial Papers	0.00	0.00	0.00
011	**Sub-Total**	**0.00**	**0.00**	**0.00**
012	**Current maturity of long term borrowings**	**0.00**	**0.00**	**0.00**
013	Bonds-Secured	0.00	0.00	0.00
014	Bonds-Unsecured	0.00	0.00	0.00
015	Foreign Currency Fixed Rate Notes	0.00	0.00	0.00
016	**From Banks**	**0.00**	**0.00**	**0.00**
017	**Secured**	**0.00**	**0.00**	**0.00**
018	Rupee Term Loan	0.00	0.00	0.00
019	Foreign currency loans	0.00	0.00	0.00
020	**Unsecured**	**0.00**	**0.00**	**0.00**
021	Foreign currency loans	0.00	0.00	0.00
022	Rupee term loans	0.00	0.00	0.00
023	**From Others**	**0.00**	**0.00**	**0.00**
024	**Secured**	**0.00**	**0.00**	**0.00**
025	Rupee Term Loan	0.00	0.00	0.00
026	**Unsecured**	**0.00**	**0.00**	**0.00**
027	Foreign currency loans (Guaranteed by Government of India)	0.00	0.00	0.00
028	Other foreign currency loans	0.00	0.00	0.00
029	Rupee term loans	0.00	0.00	0.00
030	Fixed deposits	0.00	0.00	0.00
031	Bill discounted	0.00	0.00	0.00
032		0.00	0.00	0.00
033	Sub Total	0.00	0.00	0.00
035		0.00	0.00	0.00
036	**TOTAL**	**0.00**	**0.00**	**0.00**

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Reason: AGM(Commercial)
Location: NTPC Limited

KERENDARI 'A' COAL MINING PROJ

NOTE NO. 33 TO THE FS-CL-LEASE LIABILITIES **(Amount in ₹)**

	As at	01.04.2025	31.03.2025	31.03.2024
001	**Current financial liabilities - Lease liabilities**	**0.00**	**0.00**	**0.00**
002	Current maturity of finance lease obligations (secured)	0.00	0.00	0.00
003	Current maturity of finance lease obligations (unsecured)	173,812,161.00	173,812,161.00	137,652,902.00
005	**Total**	**173,812,161.00**	**173,812,161.00**	**137,652,902.00**

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Reason: AGM(Commercial)
Location: NTPC Limited

KERENDARI 'A' COAL MINING PROJ

NOTE NO. 34 TO THE FS-CL-TRADE PAYABLES **(Amount in ₹)**

	As at	01.04.2025	31.03.2025	31.03.2024
001	**TRADE PAYABLES**	**0.00**	**0.00**	**0.00**
002	For Goods and Services	0.00	0.00	0.00
003	- Micro & Small Enterprises	6,339,472.27	6,339,472.27	3,518,762.89
004	- Others	237,395,338.52	237,395,338.52	272,891,808.88
005		0.00	0.00	0.00
007	**Total**	**243,734,810.79**	**243,734,810.79**	**276,410,571.77**
008		0.00	0.00	0.00
172	**Trade payable**	**0.00**	**0.00**	**0.00**
173	**MSME**	**0.00**	**0.00**	**0.00**
174	Unbilled	4,943,929.27	4,943,929.27	808,376.89
175	Not due	0.00	0.00	0.00
176	**Due**	**1,395,543.00**	**1,395,543.00**	**2,710,386.00**
177	Disputed	0.00	0.00	0.00
178	Undisputed	1,395,543.00	1,395,543.00	2,710,386.00
179		0.00	0.00	0.00
180	**Sub-total (A)**	**6,339,472.27**	**6,339,472.27**	**3,518,762.89**
181		0.00	0.00	0.00
182	**Others**	**0.00**	**0.00**	**0.00**
183	Unbilled	122,831,668.52	122,831,668.52	266,452,539.88
184	Not due	0.00	0.00	0.00
185	**Due**	**114,563,670.00**	**114,563,670.00**	**6,439,269.00**
186	Disputed	0.00	0.00	0.00
187	Undisputed	114,563,670.00	114,563,670.00	6,439,269.00
188		0.00	0.00	0.00
189	**Sub-total (B)**	**237,395,338.52**	**237,395,338.52**	**272,891,808.88**
190		0.00	0.00	0.00
191	**Total**	**243,734,810.79**	**243,734,810.79**	**276,410,571.77**
192		0.00	0.00	0.00
193	**Ageing**	**0.00**	**0.00**	**0.00**
194	**MSME**	**0.00**	**0.00**	**0.00**
195	**Disputed**	**0.00**	**0.00**	**0.00**
196	Less than 1 year	0.00	0.00	0.00
197	1-2 years	0.00	0.00	0.00
198	2-3 years	0.00	0.00	0.00
199	More than 3 years	0.00	0.00	0.00
200	**Sub Total (I)**	**0.00**	**0.00**	**0.00**
201		0.00	0.00	0.00
202	**Undisputed**	**0.00**	**0.00**	**0.00**
203	Less than 1 year	1,395,543.00	1,395,543.00	2,710,386.00
204	1-2 years	0.00	0.00	0.00
205	2-3 years	0.00	0.00	0.00
206	More than 3 years	0.00	0.00	0.00
207	**Sub Total (II)**	**1,395,543.00**	**1,395,543.00**	**2,710,386.00**
208		0.00	0.00	0.00
209	**Total MSME (III)**	**1,395,543.00**	**1,395,543.00**	**2,710,386.00**
210		0.00	0.00	0.00

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Reason: AGM(Commercial)
Location: NTPC Limited

KERENDARI 'A' COAL MINING PROJ

NOTE NO. 34 TO THE FS-CL-TRADE PAYABLES **(Amount in ₹)**

	As at	01.04.2025	31.03.2025	31.03.2024
211	**Others**	**0.00**	**0.00**	**0.00**
212	**Disputed**	**0.00**	**0.00**	**0.00**
213	Less than 1 year	0.00	0.00	0.00
214	1-2 years	0.00	0.00	0.00
215	2-3 years	0.00	0.00	0.00
216	More than 3 years	0.00	0.00	0.00
217	**Sub Total (IV)**	**0.00**	**0.00**	**0.00**
218		0.00	0.00	0.00
219	**Undisputed**	**0.00**	**0.00**	**0.00**
220	Less than 1 year	114,553,861.00	114,553,861.00	6,429,460.00
221	1-2 years	0.00	0.00	9,809.00
222	2-3 years	9,809.00	9,809.00	0.00
223	More than 3 years	0.00	0.00	0.00
224	**Sub Total (V)**	**114,563,670.00**	**114,563,670.00**	**6,439,269.00**
225		0.00	0.00	0.00
226	**Total Others (VI)**	**114,563,670.00**	**114,563,670.00**	**6,439,269.00**

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Reason: AGM(Commercial)
Location: NTPC Limited

KERENDARI 'A' COAL MINING PROJ

NOTE NO. 35 TO THE FS-CL-OTHER FINANCIAL LIABILITIES **(Amount in ₹)**

	As at	01.04.2025	31.03.2025	31.03.2024
001	**OTHER FINANCIAL LIABILITIES (CURRENT)**	**0.00**	**0.00**	**0.00**
020	Interest accrued but not due on Unsecured Short Term Borrowing	0.00	0.00	0.00
021	Interest accrued but not due on secured borrowings	0.00	0.00	0.00
022	Interest accrued but not due on unsecured borrowings	0.00	0.00	0.00
023	Unpaid Dividends*	0.00	0.00	0.00
024	Unpaid matured deposits and interest accrued thereon*	0.00	0.00	0.00
025	Unpaid matured bonds and interest accrued thereon*	0.00	0.00	0.00
026	Unpaid bond refund money-Tax free bonds *	0.00	0.00	0.00
027	Book Overdraft	0.00	0.00	0.00
028	Payable to Customers	0.00	0.00	0.00
029	Liability under forward exchange contact	0.00	0.00	0.00
030	Hedging cost payable to beneficiaries	0.00	0.00	0.00
031	Derivative MTM Liability	0.00	0.00	0.00
032	**Payable for Capital Expenditure**	**0.00**	**0.00**	**0.00**
033	- Micro & Small Enterprises	21,978,576.60	21,978,576.60	19,268,078.57
034	- Others	1,153,708,144.25	1,153,708,144.25	1,326,097,006.29
035	Contractual Obligations	68,496,912.50	68,496,912.50	39,293,961.60
036	**Others Payables**	**0.00**	**0.00**	**0.00**
037	Deposits from contractors and others	100,000.00	100,000.00	100,000.00
038	Gratuity Obligations	0.00	0.00	0.00
039	Payable to employees	347,115.00	347,115.00	456,241.00
040	Payable to holding company	0.00	0.00	0.00
041	Retention on A/c BG encashment (Solar)	0.00	0.00	0.00
042	Payable to Solar Payment Security Account	0.00	0.00	0.00
043	Others **	3,899,945.00	3,899,945.00	0.00
044	Unspent CSR balance on ongoing Approved CSR projects	0.00	0.00	0.00
046		0.00	0.00	0.00
047		0.00	0.00	0.00
048	**Total**	**1,248,530,693.35**	**1,248,530,693.35**	**1,385,215,287.46**
049	* Represents the amounts which have not been claimed by the investor/holders of the bonds/fixed deposits. Out of the above, no amount is due for payment to Investor Education and Protection Fund.	0.00	0.00	0.00
050	** Include Payable to Hospital and other payable.	0.00	0.00	0.00

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Location: NTPC Limited

KERENDARI 'A' COAL MINING PROJ

NOTE NO. 35 TO THE FS-CL-OTHER FINANCIAL LIABILITIES **(Amount in ₹)**

	As at	01.04.2025	31.03.2025	31.03.2024
051		0.00	0.00	0.00
052		0.00	0.00	0.00
053		0.00	0.00	0.00
054		0.00	0.00	0.00
055		0.00	0.00	0.00
056		0.00	0.00	0.00
057		0.00	0.00	0.00
058		0.00	0.00	0.00
059		0.00	0.00	0.00
060		0.00	0.00	0.00
061	Additional Information:	0.00	0.00	0.00
062	**Contractual Obligations**	**0.00**	**0.00**	**0.00**
063	- Micro & Small Enterprises	5,777,628.00	5,777,628.00	509,958.00
064	- Others	62,719,284.50	62,719,284.50	38,784,003.60
065	**Sub-total**	**68,496,912.50**	**68,496,912.50**	**39,293,961.60**
066	**Total**	**68,496,912.50**	**68,496,912.50**	**39,293,961.60**
067		0.00	0.00	0.00

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Reason: AGM(Commercial)
Location: NTPC Limited

KERENDARI 'A' COAL MINING PROJ

NOTE NO. 36 TO THE FS-CL-OTHER CURRENT LIABILITIES **(Amount in ₹)**

	As at	01.04.2025	31.03.2025	31.03.2024
001	**OTHER CURRENT LIABILITIES**	**0.00**	**0.00**	**0.00**
002	Advances from customers and others	0.00	0.00	0.00
003	Deferred discount on forward exchange contact	0.00	0.00	0.00
004	Tax deducted at source and other statutory dues	148,892,163.00	148,892,163.00	58,476,482.00
005	Deposits from contractors and others	0.00	0.00	0.00
006	Government grants	0.00	0.00	0.00
007	Others	0.00	0.00	0.00
009		0.00	0.00	0.00
010		0.00	0.00	0.00
011	**Total**	**148,892,163.00**	**148,892,163.00**	**58,476,482.00**

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Reason: AGM(Commercial)
Location: NTPC Limited

KERENDARI 'A' COAL MINING PROJ

NOTE NO. 37 TO THE FS-CL-PROVISIONS **(Amount in ₹)**

	As at	01.04.2025	31.03.2025	31.03.2024
001	**SHORT TERM PROVISIONS**	**0.00**	**0.00**	**0.00**
002	**Provision for Employee Benefits**	**0.00**	**0.00**	**0.00**
003	Opening balance	0.00	0.00	0.00
004	Additions/ (adjustments) during the year	0.00	0.00	0.00
005	**Closing Balance**	**0.00**	**0.00**	**0.00**
028	**Provisions for Obligations Incidental to Land Acquisition**	**0.00**	**0.00**	**0.00**
029	Opening balance	785,609,238.83	1,563,215,643.80	2,040,715,133.15
030	Additions during the year	0.00	470,976,807.00	501,447,821.41
031	Amounts paid during the year	0.00	1,248,583,211.97	978,947,310.76
032	Amounts reversed during the year	0.00	0.00	0.00
033	**Closing Balance**	**785,609,238.83**	**785,609,238.83**	**1,563,215,643.80**
035	**Provision for Tariff Adjustment**	**0.00**	**0.00**	**0.00**
036	Opening balance	0.00	0.00	0.00
037	Additions during the year	0.00	0.00	0.00
038	Amounts adjusted during the year	0.00	0.00	0.00
039	Amounts reversed during the year	0.00	0.00	0.00
040	**Closing Balance**	**0.00**	**0.00**	**0.00**
042	**Provision for shortage in Fixed Assets Pending Investigation & Others**	**0.00**	**0.00**	**0.00**
043	Opening balance	0.00	106,803.50	89,407.00
044	Additions during the year	0.00	0.00	17,396.50
045	Amounts adjusted during the year	0.00	0.00	0.00
046	Amounts reversed during the year	0.00	106,803.50	0.00
047	**Closing Balance**	**0.00**	**0.00**	**106,803.50**
048	**Provision for Arbitration**	**0.00**	**0.00**	**0.00**
049	Opening balance	0.00	0.00	0.00
050	Additions during the year	0.00	0.00	0.00
051	Amounts used during the year	0.00	0.00	0.00
052	Amounts reversed during the year	0.00	0.00	0.00
053	**Closing Balance**	**0.00**	**0.00**	**0.00**
054	**Others**	**0.00**	**0.00**	**0.00**
055	Opening balance	0.00	0.00	0.00
056	Additions during the year	0.00	0.00	0.00
057	Amounts used during the year	0.00	0.00	0.00
058	Amounts reversed during the year	0.00	0.00	0.00
059	**Closing Balance**	**0.00**	**0.00**	**0.00**
102		0.00	0.00	0.00
104	**Total**	**785,609,238.83**	**785,609,238.83**	**1,563,322,447.30**

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Reason: AGM(Commercial)
Location: NTPC Limited

KERENDARI 'A' COAL MINING PROJ

NOTE NO. 38 TO THE FS-CL-CURRENT TAX LIABILITIES (NET) **(Amount in ₹)**

	As at	01.04.2025	31.03.2025	31.03.2024
001	**Current liabilities - current tax liabilities (net)**	**0.00**	**0.00**	**0.00**
002	Opening balance	0.00	0.00	0.00
003	Additions during the year	0.00	0.00	0.00
004	Amounts adjusted during the year	0.00	0.00	0.00
005	Less: Set off against taxes paid	0.00	0.00	0.00
007		0.00	0.00	0.00
008	**Closing Balance**	**0.00**	**0.00**	**0.00**

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Date: 2025.06.29 14:23:24 IST
Reason: AGM(Commercial)
Location: NTPC Limited

KERENDARI 'A' COAL MINING PROJ

NOTE NO. 39 TO THE FS--DEFERRED REVENUE **(Amount in ₹)**

	As at	01.04.2025	31.03.2025	31.03.2024
001	**Deferred Revenue**	**0.00**	**0.00**	**0.00**
002	On account of advance against depreciation	0.00	0.00	0.00
003	On account of income from foreign currency fluctuation	0.00	0.00	0.00
004	Government grants	0.00	0.00	0.00
007		0.00	0.00	0.00
008		0.00	0.00	0.00
009	**TOTAL**	**0.00**	**0.00**	**0.00**

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Date: 2025.06.29 14:23:24 IST
Reason: AGM(Commercial)
Location: NTPC Limited

KERENDARI 'A' COAL MINING PROJ

NOTE NO. 39A TO THE FS--REGULATORY DEFERRAL ACCOUNT CREDIT BALANCES **(Amount in ₹)**

	As at	01.04.2025	31.03.2025	31.03.2024
001	Regulatory deferral account credit balances	0.00	0.00	0.00
002	Exchange Differences	0.00	0.00	0.00
003		0.00	0.00	0.00
005	**Total**	**0.00**	**0.00**	**0.00**

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Date: 2025.06.29 14:23:24 IST
Reason: AGM(Commercial)
Location: NTPC Limited

KERENDARI 'A' COAL MINING PROJ

NOTE NO. 40 TO THE FS--REVENUE FROM OPERATIONS **(Amount in ₹)**

	For the Period ended	01.04.2025	31.03.2025	31.03.2024
001	**REVENUE FROM OPERATIONS**	**0.00**	**0.00**	**0.00**
002	**Sales**	**0.00**	**0.00**	**0.00**
003	Energy Sales (including Electricity Duty)	0.00	0.00	0.00
004	Less : Advance against depreciation deferred (net)	0.00	0.00	0.00
005	Add: Revenue recognized out of advance against depreciation	0.00	0.00	0.00
006	Add : Exchange fluctuation receivable from customers	0.00	0.00	0.00
007	Sale of energy through trading	0.00	0.00	0.00
008	Commission (NVVN)	0.00	0.00	0.00
009	Sale of solar power equipment (NVVN)	0.00	0.00	0.00
010	**Sub total**	**0.00**	**0.00**	**0.00**
011	Less: Rebate to customers	0.00	0.00	0.00
012	**Energy Sales (Total)**	**0.00**	**0.00**	**0.00**
013	Consultancy, project management and supervision fees	0.00	0.00	0.00
014	Lease rentals on assets on Operating lease	0.00	0.00	0.00
015	Sale of Captive Coal	0.00	0.00	0.00
016	Intra Company Elimination	0.00	0.00	0.00
017	**Sub-total**	**0.00**	**0.00**	**0.00**
018	**Total - Sales**	**0.00**	**0.00**	**0.00**
019	Sale of fly ash/ash products	0.00	0.00	0.00
020	Less: Transferred to fly ash utilisation reserve fund	0.00	0.00	0.00
021	**Sub-total**	**0.00**	**0.00**	**0.00**
022	**Other Operating Income**	**0.00**	**0.00**	**0.00**
023	Interest from customers	0.00	0.00	0.00
024	Energy Internally Consumed *	0.00	0.00	0.00
025	Interest income on Assets under finance lease	0.00	0.00	0.00
026	Recognized from deferred revenue - government grant	0.00	0.00	0.00
027	Provision written back- Tariff Adjustment	0.00	0.00	0.00
028	Income form Trading of ESCerts	0.00	0.00	0.00
029	Income from E-Mobility Business & others	0.00	0.00	0.00
030	Others	0.00	0.00	0.00
032		0.00	0.00	0.00
033		0.00	0.00	0.00
034	**Total**	**0.00**	**0.00**	**0.00**
040	* Valued at variable cost of generation and corresponding amount included in power charges (Note No. 46)	0.00	0.00	0.00
041	Excise duty on sale of	0.00	0.00	0.00

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Date: 2025.06.26 14:23:24 IST
Reason: AGM(Commercial)
Location: NTPC Limited

KERENDARI 'A' COAL MINING PROJ

NOTE NO. 40 TO THE FS--REVENUE FROM OPERATIONS **(Amount in ₹)**

	For the Period ended	01.04.2025	31.03.2025	31.03.2024
	flyash,cenospere & ash products			
042	Energy sales of principal nature (NVVN)	0.00	0.00	0.00
043	Energy sales of agency nature (NVVN)	0.00	0.00	0.00

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Date: 2025.06.29 14:23:24 IST
Reason: AGM(Commercial)
Location: NTPC Limited

KERENDARI 'A' COAL MINING PROJ

NOTE NO. 41 TO THE FS--OTHER INCOME **(Amount in ₹)**

	For the Period ended	01.04.2025	31.03.2025	31.03.2024
001	**OTHER INCOME**	**0.00**	**0.00**	**0.00**
002	**Interest from**	**0.00**	**0.00**	**0.00**
004	**Financial assets at amortised cost**	**0.00**	**0.00**	**0.00**
005	Government Securities (8.5% Tax Free Bonds issued by the State Goverments)	0.00	0.00	0.00
006	Other Bonds	0.00	0.00	0.00
007	Non current Trade Receivable	0.00	0.00	0.00
008	Interest from Government of India Securties-Non-Trade	0.00	0.00	0.00
009	Less: Amortziation of premium	0.00	0.00	0.00
010	**Sub Total**	**0.00**	**0.00**	**0.00**
011	Interest from others	0.00	0.00	0.00
012	Loan to State Government in settlement of dues from customers	0.00	0.00	0.00
013	Loan to Subsidiary Companies	0.00	0.00	0.00
014	Loan to Employees	0.00	2,473,303.32	2,164,608.56
015	Deposit with banks	0.00	7,172,096.22	3,396,808.54
016	Foreign Banks	0.00	0.00	0.00
017	Interest from Contractors	0.00	0.00	0.00
018	Interest from Income Tax Refunds	0.00	0.00	0.00
019	Less : Refundable to Customers	0.00	0.00	0.00
020	**Sub Total**	**0.00**	**0.00**	**0.00**
021	Deposits with banks-flyash utilisation reserve fund	0.00	0.00	0.00
022	Less: transferred to flyash utilisation reserve fund	0.00	0.00	0.00
023	**Sub Total**	**0.00**	**0.00**	**0.00**
024	Deposits with banks- DDUGJY funds	0.00	0.00	0.00
025	Interest from Contractors- DDUGJY funds	0.00	0.00	0.00
026	Transfer to DDUGJY-Advance from customers	0.00	0.00	0.00
027	Sub-total	0.00	0.00	0.00
030	Others	0.00	0.00	0.00
031	Other investments in Joint venture companies	0.00	0.00	0.00
032	**Dividend from**	**0.00**	**0.00**	**0.00**
033	**Longterm investments in**	**0.00**	**0.00**	**0.00**
034	Subsidiaries	0.00	0.00	0.00
035	Joint Ventures	0.00	0.00	0.00
036	Equity Instruments	0.00	0.00	0.00
037	**Current Investments in**	**0.00**	**0.00**	**0.00**
038	Mutual Funds measured at fairvalue through profit or loss	0.00	0.00	0.00
039	Current investments in mutual funds-flyash utilisation reserve fund	0.00	0.00	0.00
040		0.00	0.00	0.00

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Date: 2025.06.29 14:23:24 IST
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Location: NTPC Limited

KERENDARI 'A' COAL MINING PROJ

NOTE NO. 41 TO THE FS--OTHER INCOME **(Amount in ₹)**

	For the Period ended	01.04.2025	31.03.2025	31.03.2024
041	Less: transferred to flyash utilisation reserve fund	0.00	0.00	0.00
042	Lease Rent # Ash Brick Plant	0.00	0.00	0.00
043	Less: transferred to flyash utilisation reserve fund	0.00	0.00	0.00
044	Other non-operating income	0.00	0.00	0.00
045	Profit on disposal of PPE	0.00	0.00	0.00
046	Profit on redemption of GOI securities	0.00	0.00	0.00
047	Net gain on sale of investments	0.00	0.00	0.00
048	Surcharge received from customers	0.00	0.00	0.00
049	Hire charges for equipment	0.00	0.00	0.00
050	Gain on option contract / Discount on F.ExchContract	0.00	0.00	0.00
051	Lease rent from investment property	0.00	0.00	0.00
052	Provision written back-others	0.00	89,407.00	0.00
053	Fair value gains/(losses) on investments in mutual funds at fair value through profit or loss	0.00	0.00	0.00
054	Interest from Solar payment security account	0.00	0.00	0.00
055	Less : Transferred to SPSA fund	0.00	0.00	0.00
056	Interest on "Retention on A/c BG encashment (Solar)"	0.00	0.00	0.00
057	Less : Transferred to "Retention on A/c BG encashment (Solar)"	0.00	0.00	0.00
058		0.00	0.00	0.00
059		0.00	0.00	0.00
060		0.00	0.00	0.00
061	Miscellaneous Income	0.00	150,320.01	432,080.10
062	**Total**	**0.00**	**9,885,126.55**	**5,993,497.20**
063	Less:Transferred to Development of Coal Mines- Note 47A	0.00	150,320.01	432,080.10
064	Less:Transferred to Expenditure during Construction period (net)- Note 47	0.00	0.00	0.00
065	Less: Others	0.00	0.00	0.00
066	Less:Transferred to payable to Govt. of Jharkhand	0.00	0.00	0.00
068		0.00	0.00	0.00
069		0.00	0.00	0.00
070	**Total**	**0.00**	**9,734,806.54**	**5,561,417.10**
071		0.00	0.00	0.00
101	**Details of Miscellaneous Income**	**0.00**	**0.00**	**0.00**
102	Vehicle Hire Charges.	0.00	16,000.00	40,000.00
103	Sale of by products & residuals	0.00	0.00	0.00
104	Township recoveries(exl. Hospital Recoveries).	0.00	134,320.01	92,080.10
105	Depreciation written back	0.00	0.00	0.00
106	Sale of Scrap.	0.00	0.00	0.00

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Location: NTPC Limited

KERENDARI 'A' COAL MINING PROJ

NOTE NO. 41 TO THE FS--OTHER INCOME **(Amount in ₹)**

	For the Period ended	01.04.2025	31.03.2025	31.03.2024
107	Receipt under loss of profit policy.	0.00	0.00	0.00
108	Receipts under MBD/Fire Policy.	0.00	0.00	0.00
109	Management development programme.	0.00	0.00	0.00
110	Management Fee - Misc (NVVN)	0.00	0.00	0.00
111	Others	0.00	300,000.00	300,000.00
112		0.00	0.00	0.00
113		0.00	0.00	0.00
114	**Total (Miscellaneous Income)**	**0.00**	**150,320.01**	**432,080.10**
115		0.00	0.00	0.00
131	**Details of Provision written back others**	**0.00**	**0.00**	**0.00**
132	Doubtful debts	0.00	0.00	0.00
133	Doubtful Loans, Advances and Claims	0.00	0.00	0.00
134	Doubtful Construction Advances	0.00	0.00	0.00
135	Shortage in Construction Stores	0.00	0.00	0.00
136	Shortage in Stores	0.00	0.00	0.00
137	Obsolescence in Stores	0.00	0.00	0.00
138	Unserviceable capital works	0.00	0.00	0.00
139	Other Obligation including Arbitration	0.00	0.00	0.00
140	Shortage in Fixed Assets	0.00	89,407.00	0.00
141	Diminution in value of Investment	0.00	0.00	0.00
142		0.00	0.00	0.00
143		0.00	0.00	0.00

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Location: NTPC Limited

KERENDARI 'A' COAL MINING PROJ

NOTE NO. 42 TO THE FS--FUEL COST **(Amount in ₹)**

	For the Period ended	01.04.2025	31.03.2025	31.03.2024
001	**FUEL COST**	**0.00**	**0.00**	**0.00**
002	Coal	0.00	0.00	0.00
003	Captive	0.00	0.00	0.00
004	Other than captive	0.00	0.00	0.00
005	Gas	0.00	0.00	0.00
006	Naptha	0.00	0.00	0.00
007	Oil	0.00	0.00	0.00
008	Biomass Pellets & Others	0.00	0.00	0.00
009		0.00	0.00	0.00
010		0.00	0.00	0.00
011	**Total**	**0.00**	**0.00**	**0.00**
012		0.00	0.00	0.00

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Reason: AGM(Commercial)
Location: NTPC Limited

KERENDARI 'A' COAL MINING PROJ

NOTE NO. 43 TO THE FS--EMPLOYEE BENEFITS EXPENSE **(Amount in ₹)**

	For the Period ended	01.04.2025	31.03.2025	31.03.2024
001	**EMPLOYEE BENEFITS EXPENSE**	**0.00**	**0.00**	**0.00**
002	Salaries and wages	0.00	255,363,653.89	170,890,370.38
003	Contribution to provident and other funds	0.00	34,909,719.23	23,907,138.58
004	Unwinding of deferred payroll expense	0.00	1,078,260.11	1,161,591.92
005	Staff welfare expenses	0.00	48,702,669.46	29,338,887.47
006	Less : Expenses transferred to Consultancy group	0.00	0.00	0.00
007		0.00	0.00	0.00
008	**Sub Total**	**0.00**	**340,054,302.69**	**225,297,988.35**
009	Less: Employee benefits expense allocated to fuel inventory	0.00	0.00	0.00
010	Less: Transferred/Allocated to development of coal mines - Note 47A	0.00	338,513,167.58	222,309,532.43
011	Less: Others	0.00	0.00	0.00
012	Less: Transferred to fly ash utilisation reserve fund	0.00	0.00	0.00
013	Less: Transferred to CSR Expenses	0.00	0.00	0.00
014	Reimbursements for employees on secondment	0.00	0.00	0.00
015	Less: Transferred to expenditure during construction period (net)- Note 47	0.00	0.00	0.00
016	Less: Transfer to Govt of Jharkhand A/c as recoverable	0.00	0.00	0.00
018		0.00	0.00	0.00
019	**TOTAL**	**0.00**	**1,541,135.11**	**2,988,455.92**
020	**Managerial Remuneration paid/ payable to Directors included above (except for Directors fee which is included in Note 46)**	**0.00**	**0.00**	**0.00**
021	Salaries and wages	0.00	0.00	0.00
022	Contribution to provident and other funds	0.00	0.00	0.00
023	Staff welfare expenses	0.00	0.00	0.00
024	Directors fee	0.00	0.00	0.00
025		0.00	0.00	0.00

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Location: NTPC Limited

KERENDARI 'A' COAL MINING PROJ

NOTE NO. 44 TO THE FS--FINANCE COSTS **(Amount in ₹)**

	For the Period ended	01.04.2025	31.03.2025	31.03.2024
001	**FINANCE COSTS**	**0.00**	**0.00**	**0.00**
002	Finance charges on financial liabilities measured at amortised cost	0.00	0.00	0.00
003	Bonds	0.00	72,301,523.11	72,083,488.48
004	Government of India Loans	0.00	0.00	0.00
005	Foreign currency term loans	0.00	173,438,699.59	166,017,287.06
006	Rupee term loans	0.00	575,091,176.00	399,996,127.00
007	Public deposits	0.00	0.00	0.00
008	Foreign currency bonds/notes	0.00	0.00	0.00
009	Cash Credit	0.00	0.00	0.00
010	Unwinding of discount on account of vendor liabilities	0.00	52,145,404.50	50,354,220.46
011	Commercial Papers	0.00	0.00	0.00
012	**Sub Total**	**0.00**	**872,976,803.20**	**688,451,123.00**
013	Interest on non financial items	0.00	0.00	0.00
014	**Other Borrowing Costs**	**0.00**	**0.00**	**0.00**
015	Bonds servicing & public deposit exp.	0.00	86,412.93	70,735.22
016	Guarantee fee	0.00	0.00	0.00
017	Management fee	0.00	0.00	0.00
018	Committ charges/exposure premium	0.00	0.00	0.00
019	Bond issue expenses	0.00	0.00	0.00
020	Legal exp on foreign currency loans	0.00	0.00	0.00
021	Foreign currency bonds/notes exp.	0.00	0.00	0.00
022	Up-front fee	0.00	0.00	0.00
023	Insurance premium on foreign currency loans	0.00	0.00	0.00
024		0.00	0.00	0.00
025	Others	0.00	0.00	0.00
026	**Sub Total (Other Borrowing cost)**	**0.00**	**86,412.93**	**70,735.22**
027		0.00	0.00	0.00
028	**Exchange differences regarded as an adjustment to borrowing costs**	**0.00**	**38,246,094.00**	**4,089,968.00**
029	**Sub Total**	**0.00**	**911,309,310.13**	**692,611,826.22**
030	Less: Transferred to Expenditure during construction period (net) - Note 47	0.00	0.00	0.00
031	Less: Transferred to development of coal mines- Note 47A	0.00	911,309,310.13	692,611,826.22
032		0.00	0.00	0.00
034	**Total**	**0.00**	**0.00**	**0.00**

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Reason: AGM(Commercial)
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KERENDARI 'A' COAL MINING PROJ

NOTE NO. 45 TO THE FS--DEPRECIATION, AMORTIZATION AND IMPAIRMENT EXPENSES **(Amount in ₹)**

	For the Period ended	01.04.2025	31.03.2025	31.03.2024
001	**Depreciation, amortization and impairment expenses**	**0.00**	**0.00**	**0.00**
002	On property, plant and equipment- Note 2	272,553,389.00	59,290,160.26	51,160,382.34
003	On investment property- Note 4	0.00	0.00	0.00
004	On intangible assets- Note 5	0.00	4,873,189.21	464,465.55
005		0.00	0.00	0.00
006	Sub-total	272,553,389.00	64,163,349.47	51,624,847.89
007	Less:	0.00	0.00	0.00
008	Allocated to fuel inventory	0.00	0.00	0.00
009	Transferred to Expenditure during Construction Period (net)- Note 47	0.00	0.00	0.00
010		0.00	0.00	0.00
011	Transferred/Allocated to development of coal mines - Note 47A	272,553,389.00	64,163,349.47	51,624,847.89
012	Adjustment with deferred revenue from deferred foreign currency fluctuation	0.00	0.00	0.00
013		0.00	0.00	0.00
015	**Total**	**0.00**	**0.00**	**0.00**

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Location: NTPC Limited

KERENDARI 'A' COAL MINING PROJ

NOTE NO. 46 TO THE FS--OTHER EXPENSE **(Amount in ₹)**

	For the Period ended	01.04.2025	31.03.2025	31.03.2024
001	**OTHER EXPENSES**	**0.00**	**0.00**	**0.00**
002	Power charges	0.00	8,979,130.00	711,952.00
003	Less: Recovered from contractors & employees	0.00	4,614,022.38	27,330.04
004	**Sub-Total(Power Charges)**	**0.00**	**4,365,107.62**	**684,621.96**
005	Water charges	0.00	766,500.00	2,486,068.00
006	Stores consumed	0.00	0.00	0.00
007	Rent	0.00	2,083,279.00	1,095,525.00
008	Less:Recoveries	0.00	0.00	0.00
009	**Sub-Total (Rent)**	**0.00**	**2,083,279.00**	**1,095,525.00**
010	Cost of captive coal produced	0.00	3,666,301,416.71	272,146,232.68
011	Purchase of solar power equipments (NVVN)	0.00	0.00	0.00
012	**Repairs & maintenance**	**0.00**	**0.00**	**0.00**
013	Buildings	0.00	3 55,747.00	0.00
014	Plant & machinery	0.00	0.00	0.00
015	Power stations	0.00	1,586,990.94	0.00
016	Construction equipment	0.00	0.00	0.00
017	Others	0.00	116,629,783.47	40,678,891.12
019	**Sub-total (Repairs & maintenance)**	**0.00**	**118,572,521.41**	**40,717,241.12**
020	Load Dispatch Center Charges	0.00	0.00	0.00
021	Insurance	0.00	22,474.00	22,474.00
022	Interest to beneficiaries	0.00	0.00	0.00
023	Rates and taxes	0.00	4,992,804.98	3,454,823.49
024	Water cess & environment protection cess	0.00	42,495.60	0.00
025	Training & recruitment expenses	0.00	1,701,629.93	52,471.00
026	Less: Receipts	0.00	0.00	0.00
027	**Sub-total (Training and recruitment expenses)**	**0.00**	**1,701,629.93**	**52,471.00**
028	Communication expenses	0.00	2,128,642.35	3,460,586.84
029	Inland Travel	0.00	12,206,857.36	8,962,808.46
030	Foreign Travel	0.00	366,555.12	353,772.50
031	Tender expenses	0.00	1,000,356.00	158,760.00
032	Less: Receipt from sale of tenders	0.00	0.00	0.00
033	**Sub-total (Tender expenses)**	**0.00**	**1,000,356.00**	**158,760.00**
034	Payment to auditors	0.00	0.00	0.00
035	Audit fee	0.00	0.00	0.00
036	Tax audit fee	0.00	0.00	0.00
037	Other services	0.00	0.00	0.00
038	Reimbursement of expenses	0.00	0.00	0.00
039	**Sub-total (Payment to Auditors)**	**0.00**	**0.00**	**0.00**
040	Advertisement and publicity	0.00	2,032,402.00	1,359,575.00
041	Electricity duty	0.00	0.00	0.00
042	Security expenses	0.00	104,136,788.55	74,941,485.54
043	Entertainment expenses	0.00	5,102,789.32	878,958.74
044	Expenses for guest house	0.00	538,020.27	580,898.00

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KERENDARI 'A' COAL MINING PROJ

NOTE NO. 46 TO THE FS--OTHER EXPENSE **(Amount in ₹)**

	For the Period ended	01.04.2025	31.03.2025	31.03.2024
045	Less:Recoveries	0.00	0.00	0.00
046	**Sub-Total (Guest house expenses)**	**0.00**	**538,020.27**	**563,085.00**
047	Education expenses	0.00	0.00	0.00
049	Donations	0.00	0.00	0.00
050	Ash utilisation & marketing expenses	0.00	93,810.00	0.00
051	Directors sitting fee	0.00	0.00	0.00
053	Professional charges and consultancy fees	0.00	11,941,625.81	9,671,192.44
054	Legal expenses	0.00	4,203,176.00	106,450.00
055	EDP hire and other charges	0.00	65,532.00	263,412.00
056	Printing and stationery	0.00	1,696,641.86	1,330,173.56
057	Oil & gas exploration expenses	0.00	0.00	0.00
059	Hiring of vehicles	0.00	47,201,933.28	27,731,806.76
061	Reimbursement of L.C.charges on sales realisation	0.00	0.00	0.00
062	LOSS ON FAIR VALUATION OF NON- CURRENT TRADE RECEIVABLE AT AMORTISED COST	0.00	0.00	0.00
063	Cost of Hedging	0.00	0.00	0.00
064	Derivatives MTM loss/gain (Net)	0.00	-206,642.00	206,642.00
065	Net loss/(gain) in foreign currency transactions & translations	0.00	61,915,659.63	-24,435,305.50
066	Transport Vehicle running expenses	0.00	33,180.00	0.00
067	Horticulture Expenses	0.00	2,123,680.00	266,938.00
068	Hire charges- helicopter/aircraft.	0.00	0.00	0.00
069	Hire charges of construction equipment	0.00	153,023,608.71	5,060,489.56
070	Demurrage Charges	0.00	0.00	0.00
072		0.00	0.00	0.00
073	Miscellaneous expenses	0.00	215,234,972.93	8,053,322.80
074	Loss on disposal/write-off of PPE	0.00	0.00	0.00
075	**Sub-Total**	**0.00**	**4,423,665,344.44**	**437,611,423.95**
076	Less: Other expenses allocated to fuel inventory	0.00	0.00	0.00
077	Less: Transferred/Allocated to development of coal mines - Note 47A	0.00	4,145,829,480.98	461,654,295.45
078	Less: Transferred to fly ash utilisation reserve fund	0.00	0.00	0.00
079	Less: Hedging cost Net recoverable/payable from/to beneficiaries	0.00	-206,642.00	206,642.00
080	Less: Others	0.00	0.00	0.00
081	Less: Transferred to CSR Expenses	0.00	0.00	0.00
082	Less:Transferred to Expenditure during Construction period(net)-Note 47	0.00	0.00	0.00
083	Less: Transfer to Govt of Jharkhand	0.00	0.00	0.00

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Reason: AGM(Commercial)
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KERENDARI 'A' COAL MINING PROJ

NOTE NO. 46 TO THE FS--OTHER EXPENSE **(Amount in ₹)**

	For the Period ended	01.04.2025	31.03.2025	31.03.2024
	A/c as recoverable			
084	**Net (Generation, Administration and Other expenses)**	**0.00**	**278,042,505.46**	**- 24,249,513.50**
085	Corporate Social Responsibility Expenses	0.00	14,000.00	0.00
086	Less: Grants-in-aid	0.00	0.00	0.00
087	**Sub-total (Corporate Social Responsibility Expenses)**	**0.00**	**14,000.00**	**0.00**
088	**Provisions**	**0.00**	**0.00**	**0.00**
089	Doubtful Debts	0.00	0.00	0.00
090	Doubtful loans, advances and claims	0.00	0.00	0.00
091	Doubtful Construction Advances	0.00	0.00	0.00
092	Shortage in stores	0.00	0.00	0.00
093	Obsolete/Dimunition in the value of surplus stores	0.00	0.00	0.00
094	Shortage in construction stores	0.00	0.00	0.00
095	Dimunition in value of long term investments	0.00	0.00	0.00
096	Shortage in Fixed assets	0.00	0.00	0.00
097	Unfinished minimum work progress from oil & gas exploration	0.00	0.00	0.00
098	Unserviceable capital works	0.00	0.00	0.00
099	Tariff Adjustment	0.00	0.00	0.00
100	Others :	0.00	0.00	0.00
101	(i) Provision for arbitration cases	0.00	0.00	0.00
102	(ii) Other provisions	0.00	0.00	0.00
103	**Total (Provisions)**	**0.00**	**0.00**	**0.00**
104		0.00	0.00	0.00
106	**Total**	**0.00**	**278,056,505.46**	**-24,232,117.00**
107		0.00	0.00	0.00
108	**Breakup of miscellaneous expenses.**	**0.00**	**0.00**	**0.00**
110	Hire charges of office equipment	0.00	0.00	0.00
112	Operating expenses of construction equipment	0.00	0.00	0.00
113	Operating expenses of D.G. sets	0.00	0.00	0.00
114	Furnishing expenses	0.00	852,218.33	513,661.16
115	Subscription to trade and other associations.	0.00	0.00	0.00
117	Visa and entry permit charges	0.00	0.00	0.00
118	Tree plantation exp.-NTPC Land	0.00	0.00	0.00
119	Research & development expenses .	0.00	240,000.00	0.00
120	Less : Grants received for Research & develoment expenses.	0.00	0.00	0.00
121	Sub-total (Research & development expenses)	0.00	240,000.00	0.00
122	Bank charges	0.00	0.00	618,299.40
123	Business Development Expenditure	0.00	0.00	0.00

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Reason: AGM(Commercial)
Location: NTPC Limited

KERENDARI 'A' COAL MINING PROJ

NOTE NO. 46 TO THE FS--OTHER EXPENSE **(Amount in ₹)**

	For the Period ended	01.04.2025	31.03.2025	31.03.2024
124	Surcharge (NVVN)	0.00	0.00	0.00
125	Power Trading Expenses	0.00	0.00	0.00
126	Brokerage & commission	0.00	0.00	0.00
130	Books and periodicals	0.00	224,004.33	49,178.00
131	Claims/advances written off	0.00	0.00	0.00
132	Stores written off	0.00	0.00	0.00
133	Survey &Investigation expenses written off	0.00	0.00	0.00
134	Others	0.00	213,918,750.27	1,872,184.24
135	**Total**	**0.00**	**215,234,972.93**	**8,053,322.80**
136		0.00	0.00	0.00
137		0.00	0.00	0.00
138		0.00	0.00	0.00

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Date: 2025.06.29 14:23:24 IST
Reason: AGM(Commercial)
Location: NTPC Limited

KERENDARI 'A' COAL MINING PROJ

NOTE NO. 47 TO THE FS--EXPENDITURE DURING CONSTRUCTION PERIOD (NET) **(Amount in ₹)**

	For the Period ended	01.04.2025	31.03.2025	31.03.2024
001	**EXPENDITURE DURING CONSTRUCTION PERIOD (NET)**	**0.00**	**0.00**	**0.00**
002	A. Employee benefits expense	0.00	0.00	0.00
003	Salaries and wages	0.00	0.00	0.00
004	Contribution to provident and other funds	0.00	0.00	0.00
005	Unwinding of deffered payroll expenses	0.00	0.00	0.00
006	Staff welfare expenses	0.00	0.00	0.00
007	**Total (A)**	**0.00**	**0.00**	**0.00**
008	**B. Finance Costs**	**0.00**	**0.00**	**0.00**
009	Finance charges on financial liabilities measured at amortised cost	0.00	0.00	0.00
010	Bonds	0.00	0.00	0.00
011	Foreign currency term loans	0.00	0.00	0.00
012	Rupee term loans	0.00	0.00	0.00
013	Foreign currency bonds/notes	0.00	0.00	0.00
014	Unwinding of discount on account of vendor liabilities	0.00	0.00	0.00
015	Others	0.00	0.00	0.00
016		0.00	0.00	0.00
017	Other Borrowings Costs	0.00	0.00	0.00
018	Guarantee Commission	0.00	0.00	0.00
019	Management Fees/Arrangers Fees	0.00	0.00	0.00
020	Commitment charges/Exposure Premium	0.00	0.00	0.00
021	Legal Expenses on foreign currency loans	0.00	0.00	0.00
022	Foreign currency bonds/notes expenses	0.00	0.00	0.00
023	Foreign Credit Insurance Premium	0.00	0.00	0.00
024	Upfront Fee	0.00	0.00	0.00
025	Exchange Differences	0.00	0.00	0.00
026	Others	0.00	0.00	0.00
027	Exchange differences regarded as adjustment to interest cost	0.00	0.00	0.00
028	**Total (B)**	**0.00**	**0.00**	**0.00**
029		0.00	0.00	0.00
030	C. Depreciation and amortisation	0.00	0.00	0.00
031	**D. Generation , administration and other expenses**	**0.00**	**0.00**	**0.00**
032	Power charges	0.00	0.00	0.00
033	Less: Recovered from contractors & employees	0.00	0.00	0.00
034	**Sub-total(Net power charges)**	**0.00**	**0.00**	**0.00**
035	Water charges	0.00	0.00	0.00
036	Rent	0.00	0.00	0.00
037	Repairs & maintenance	0.00	0.00	0.00

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Date: 2025.06.29 14:23:24 IST
Reason: AGM(Commercial)
Location: NTPC Limited

KERENDARI 'A' COAL MINING PROJ

NOTE NO. 47 TO THE FS--EXPENDITURE DURING CONSTRUCTION PERIOD (NET) **(Amount in ₹)**

	For the Period ended	01.04.2025	31.03.2025	31.03.2024
038	Buildings	0.00	0.00	0.00
039	Construction equipment	0.00	0.00	0.00
040	Others	0.00	0.00	0.00
041		0.00	0.00	0.00
042	Insurance	0.00	0.00	0.00
043	Rates and taxes	0.00	0.00	0.00
044	Communication expenses	0.00	0.00	0.00
045	Travelling expenses	0.00	0.00	0.00
046	Tender expenses	0.00	0.00	0.00
047	Less: Income from sale of tenders	0.00	0.00	0.00
048	**Sub-total (Net tender expenses)**	**0.00**	**0.00**	**0.00**
049	Advertisement and publicity	0.00	0.00	0.00
050	Security expenses	0.00	0.00	0.00
051	Entertainment expenses	0.00	0.00	0.00
052	Guest house expenses	0.00	0.00	0.00
053	Less: Receipt from guest house	0.00	0.00	0.00
054	**Sub-total (Net Guest House Expenses)**	**0.00**	**0.00**	**0.00**
055	Education expenses	0.00	0.00	0.00
056	Brokerage & Commission	0.00	0.00	0.00
057	Books and periodicals	0.00	0.00	0.00
058	Community development expenses	0.00	0.00	0.00
059	Professional charges and consultancy fee	0.00	0.00	0.00
060	Legal expenses	0.00	0.00	0.00
061	EDP Hire and other charges	0.00	0.00	0.00
062	Printing and stationery	0.00	0.00	0.00
063	Miscellaneous expenses	0.00	0.00	0.00
064	**Total (D)**	**0.00**	**0.00**	**0.00**
065	**Total (A+B+C+D)**	**0.00**	**0.00**	**0.00**
066	**E. Less: Other Income**	**0.00**	**0.00**	**0.00**
067	Interest from	0.00	0.00	0.00
068	Indian banks	0.00	0.00	0.00
069	Foreign banks	0.00	0.00	0.00
070	Others	0.00	0.00	0.00
071	Contractors	0.00	0.00	0.00
072	Hire charges	0.00	0.00	0.00
073	Sale of scrap	0.00	0.00	0.00
074	Exchange Differences	0.00	0.00	0.00
075	Miscellaneous income	0.00	0.00	0.00
076	**TOTAL (E)**	**0.00**	**0.00**	**0.00**
077	F. Net actuarial gain/loss OCI	0.00	0.00	0.00
078		0.00	0.00	0.00
079	**GRAND TOTAL (A+B+C+D-E+F)**	**0.00**	**0.00**	**0.00**
080		0.00	0.00	0.00
081	*** Balance carried to Capital**	**0.00**	**0.00**	**0.00**

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Date: 2025.06.29 14:23:24 IST
Reason: AGM(Commercial)
Location: NTPC Limited

KERENDARI 'A' COAL MINING PROJ

NOTE NO. 47 TO THE FS--EXPENDITURE DURING CONSTRUCTION PERIOD (NET) **(Amount in ₹)**

For the Period ended	01.04.2025	31.03.2025	31.03.2024
Work-in-progress - (Note 3)			

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Reason: AGM(Commercial)
Location: NTPC Limited

KERENDARI 'A' COAL MINING PROJ

NOTE NO. 47A TO THE FS--EDC- COAL MINING **(Amount in ₹)**

	For the Period ended	01.04.2025	31.03.2025	31.03.2024
001	**EDC- Coal Mining**	**0.00**	**0.00**	**0.00**
002	A. Employee benefits expense	0.00	0.00	0.00
003	Salaries and wages	0.00	254,940,414.89	169,063,506.38
004	Contribution to provident and other funds	0.00	34,490,348.02	23,488,891.21
005	Unwinding of deffered payroll expenses	0.00	0.00	0.00
006	Staff welfare expenses	0.00	49,082,404.67	29,757,134.84
007	**Total (A)**	**0.00**	**222,309,532.43**	**222,309,532.43**
008	**B. Finance Costs**	**0.00**	**0.00**	**0.00**
009	Finance charges on financial liabilities measured at amortised cost	0.00	0.00	0.00
010	Bonds	0.00	72,295,635.21	72,078,224.91
011	Foreign currency term loans	0.00	160,714,756.15	153,844,543.47
012	Rupee term loans	0.00	575,091,176.00	399,996,127.00
013	Foreign currency bonds/notes	0.00	0.00	0.00
014	Unwinding of discount on account of vendor liabilities	0.00	52,145,404.50	50,354,220.46
015	Others	0.00	0.00	0.00
016		0.00	0.00	0.00
017	Other Borrowings Costs	0.00	0.00	0.00
018	Guarantee Commission	0.00	0.00	0.00
019	Management Fees/Arrangers Fees	0.00	0.00	0.00
020	Commitment charges/Exposure Premium	0.00	0.00	0.00
021	Legal Expenses on foreign currency loans	0.00	0.00	0.00
022	Foreign currency bonds/notes expenses	0.00	0.00	0.00
023	Foreign Credit Insurance Premium	0.00	0.00	0.00
024	Upfront Fee	0.00	0.00	0.00
025	Exchange Differences	0.00	0.00	0.00
026	Others	0.00	12,816,244.27	12,248,742.38
027	Exchange differences regarded as adjustment to interest cost	0.00	38,246,094.00	4,089,968.00
028	**Total (B)**	**0.00**	**911,309,310.13**	**692,611,826.22**
029		0.00	0.00	0.00
030	C. Depreciation and amortisation	272,553,389.00	47,055,995.87	51,624,847.89
031	**D. Generation , administration and other expenses**	**0.00**	**0.00**	**0.00**
032	Power charges	0.00	8,979,130.00	711,952.00
033	Less: Recovered from contractors & employees	0.00	4,614,022.38	27,330.04
034	**Sub-total(Net power charges)**	**0.00**	**4,365,107.62**	**684,621.96**
035	Water charges	0.00	766,500.00	2,486,068.00
036	Rent	0.00	2,083,279.00	1,095,585.00
037	Repairs & maintenance	0.00	0.00	0.00
038	Buildings	0.00	355,747.00	0.00

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Date: 2025.06.29 14:23:24 IST
Reason: AGM(Commercial)
Location: NTPC Limited

KERENDARI 'A' COAL MINING PROJ

NOTE NO. 47A TO THE FS--EDC- COAL MINING **(Amount in ₹)**

	For the Period ended	01.04.2025	31.03.2025	31.03.2024
039	Construction equipment	0.00	0.00	0.00
040	Others	0.00	116,629,783.47	40,678,891.12
041	Cost of Captive Coal	0.00	3,666,301,416.71	272,146,232.68
042	Insurance	0.00	0.00	0.00
043	Rates and taxes	0.00	5,035,300.58	3,454,823.49
044	Communication expenses	0.00	2,128,642.35	3,460,586.84
045	Travelling expenses	0.00	12,573,412.48	9,316,580.96
046	Tender expenses	0.00	1,000,356.00	158,760.00
047	Less: Income from sale of tenders	0.00	0.00	0.00
048	**Sub-total (Net tender expenses)**	**0.00**	**1,000,356.00**	**158,760.00**
049	Advertisement and publicity	0.00	2,032,402.00	1,359,575.00
050	Security expenses	0.00	104,136,788.55	71,941,485.54
051	Entertainment expenses	0.00	5,102,789.32	1,878,958.74
052	Guest house expenses	0.00	538,020.27	580,898.00
053	Less: Receipt from guest house	0.00	0.00	0.00
054	**Sub-total (Net Guest House Expenses)**	**0.00**	**538,020.27**	**580,898.00**
055	Education expenses	0.00	0.00	0.00
056	Brokerage & Commission	0.00	0.00	0.00
057	Books and periodicals	0.00	224,004.33	49,178.00
058	Community development expenses	0.00	0.00	0.00
059	Professional charges and consultancy fee	0.00	11,930,437.81	9,671,192.44
060	Legal expenses	0.00	4,203,176.00	106,450.00
061	EDP Hire and other charges	0.00	65,532.00	263,412.00
062	Printing and stationery	0.00	1,696,641.86	1,330,173.56
063	Miscellaneous expenses	0.00	204,660,143.63	40,990,882.12
064	**Total (D)**	**0.00**	**4,145,829,480.98**	**461,654,295.45**
065	**Total (A+B+C+D)**	**272,553,389.00**	**5,459,815,308.16**	**1,428,200,501.99**
066	**E. Less: Other Income**	**0.00**	**0.00**	**0.00**
067	Interest from	0.00	0.00	0.00
068	Indian banks	0.00	0.00	0.00
069	Foreign banks	0.00	0.00	0.00
070	Others	0.00	0.00	0.00
071	Contractors	0.00	0.00	0.00
072	Hire charges	0.00	0.00	0.00
073	Sale of scrap	0.00	0.00	0.00
074	Exchange Differences	0.00	0.00	0.00
075	Miscellaneous income	0.00	150,320.01	432,080.10
076	**TOTAL (E)**	**0.00**	**150,320.01**	**432,080.10**
077	F. Net actuarial gain/loss OCI	0.00	203,885.00	-568,987.62
078		0.00	0.00	0.00
079	**GRAND TOTAL (A+B+C+D-E+F)**	**272,553,389.00**	**5,459,868,873.15**	**1,427,199,434.27**
080		0.00	0.00	0.00
081	*** Balance carried to Capital**	**272,553,389.00**	**5,459,868,873.15**	**1,427,199,434.27**

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Reason: AGM(Commercial)
Location: NTPC Limited