BEFORE THE HON'BLE CENTRAL ELECTRICITY REGULATORY COMMISSION

NEW DELHI

PETITION NO.....

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 Chapter-3, Regulation-9 of Central Electricity Regulatory Commission (Terms and Conditions of Tariff) Regulations, 2024 for approval of tariff of **Ramagundam Super Thermal power Station Stage-I&II (2100 MW)** for the period **from 01.04.2024 to 31.03.2029**.

INDEX

Summary of Issues: Ramagundam STPS Stage-I&II (2100 MW)

(In compliance with CERC notice dated 07.06.2024)

The major highlights of the Ramagundam STPS Stage-I&II (2100 MW) Tariff petition for 2024-29 are as follows:-

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 Regulatory Commission (Conduct of Business) Regulations, 2023 and Chapter-3, Regulation-13 of Central Electricity Regulatory Commission (Terms and Conditions of Tariff) Regulations, 2024 for revision of tariff of Ramagundam STPS Stage-I&II (2100 MW) (hereinafter referred to as **Ramagundam-I&II**) for the period from 01.04.2024 to 31.03.2029 based on actual expenditures as on 31.03.2024 and projections from 01.04.2024 to 31.03.2029.

Ramagundam-I&II is located in Ramagundam District of Telangana State and comprises of three units of 200 MW (Stage-I) and three units of 500 MW (Stage-II) with their respective COD's as 01.03.84, 01.11.84, 01.5.85, 01.11.88, 01.09.89 & 01.04.91. The power generated from Ramagundam-I&II is being supplied to the respondents herein mentioned above as per MoP allocation and respective PPAs.

The Trued up tariff of Ramagundam-I&II for the tariff period 2019-24 after the truing up exercise based on actual expenditures as on 31.03.2024 is filed by petitioner through a separate petition which is yet to be decided by Hon'ble CERC.

Additional Capital Expenditure: The projected Additional Capital Expenditure for the FY 2024-25, 2025-26, 2026-27, 2027-28 and 2028-29 are Rs 5.64 cr, Rs 0.0 cr, Rs 2.45 cr, Rs 20.24 cr and Rs 124.60 cr respectively amounting to total of Rs 152.93 crores during the 2024-29 period. The same has been depicted year wise in Form 9A of the Appendix-I along with applicable regulations and justification for the claims. It is humbly requested to approve the actual Additional Capital expenditure during the period of 2024-29.

O&M Expenses: Hon'ble Commission may please allow the projected claims of Water charges, security expenses and Ash transportation expenses for the instant station as projected by the Petitioner in Form 3A of Appendix-I.

BEFORE THE HON'BLE CENTRAL ELECTRICITY REGULATORY COMMISSION

NEW DELHI

PETITION NO.....

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 Chapter-3, Regulation-9 of Central Electricity Regulatory Commission (Terms and Conditions of Tariff) Regulations, 2024 for approval of tariff of **Ramagundam Super Thermal power Station Stage-I&II (2100 MW)** for the period **from 01.04.2024 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-110 003.

Respondents

1. Chairman & Managing Director
APEPDCL (A.P. Eastern Power Distribution Company Ltd.)
P&T Colony, Seethammadhara,
Vishakapatnam-503013

2. Chairman & Managing Director
APSPDCL (A.P. Southern Power Distribution Company Ltd)

Beside Srinivassakalyana Mandapam,
Tiruchanur Road, Kesavayana Gunta,
Tirupati- 517501

3. Chairman & Managing Director
APCPDCL (A.P. Central Power Distribution Company Ltd)
Corporate Office, Beside Govt. Polytechnic, ITI Road,
VIJAYAWADA, Andhra Pradesh

4. Chairman & Managing Director
TSSPDCL (Telangana State Southern Power Distribution Company Ltd)
Mint Compound, Corporate Office
Hyderabad – 500 063

5. Chairman & Managing Director
TSNPDCL (Telangana Northern Power Distribution Company Ltd)
H.No. 2-5-31/2, Vidyut Bhavan
Nakkalagutta, Hanamkonda
Warangal – 506 001

6. Tamil Nadu Generation & Distribution Corporation Ltd. (TANGEDCO) (formerly TNEB)
144, Anna Salai
Chennai – 600 002

7. Bangalore Electricity Supply Company Ltd. (BESCOM)
Krishna Rajendra Circle
Bangalore - 560 009

8. Mangalore Electricity Supply Company Ltd (MESCOM)
MESCOM bhavana,
Corporate Office,
Bejai, kavoor cross road,mangaluru,
575004, Karnataka

9. CESC (Chamundeshwari Electricity Supply Corp. Ltd.)
Corporate Office, No. 29,
Vijayanagar, 2nd stage, Hinkal,
Mysore – 570 017

10. Gulbarga Electricity Supply Company Ltd. (GESCOM)
Main road, Gulbarga, Karnataka.
Gulbarga – 585 102

11. Hubli Electricity Supply Company Ltd. (HESCOM)
Corporate office, P.B.Road, Navanagar
Hubli – 580 025

12. Kerala State Electricity Board Ltd.(KSEBL)
Vaidyuthi Bhavanam, Pattom
Thiruvananthapuram – 695 004

13. Superintending Engineer-1
Electricity department
Govt. of Puducherry,
137, Netaji Subhash Chandra Bose Salai,
Puducherry- 605001

The Petitioner humbly states that:

1) The Petitioner herein NTPC Ltd. (hereinafter referred to as '**Petitioner**' or '**NTPC**'), is a company incorporated under provisions of the Company Act, 1956 and a Government Company as defined under Section 2(45) of the Companies Act, 2013. Further, NTPC is a 'Generating Company' as defined under Section 2(28) of the Electricity Act, 2003.

2) In terms of Section 79(1)(a) of Electricity Act, 2003, the Hon'ble Commission has been vested with the functions to regulate the tariff of NTPC, being a Generating Company owned and controlled by the Central Government. The regulation of the tariff of NTPC is as provided under Section 79(1)(a) read with Section 61, 62 and 64 of the Electricity Act, 2003 and the Regulations notified by the Hon'ble Commission in exercise of powers under Section 178 read with Section 61 of the Electricity Act, 2003.

3) The Petitioner is having power stations/ projects at different regions and places in the country. Ramagundam Super Thermal Power Station Stage-I&II (2100 MW) (hereinafter referred to as **Ramagundam-I&II**) is one such station located in the State of Telangana. The power generated from Ramagundam-I&II is being supplied to the respondents herein above.

4) The Hon'ble Commission has notified the Central Electricity Regulatory Commission (Terms & Conditions of Tariff) Regulations, 2024 (hereinafter referred to as '**Tariff Regulations 2024**') which came into force from 01.04.2024, specifying the terms & conditions and methodology of tariff determination for the period 01.04.2024 to 31.03.2029.

5) Regulation 9(2) of Tariff Regulations 2024 provides as follows:

"(2) In case of an existing generating station or unit thereof, or transmission system or element thereof, the application shall be made by the generating company or the transmission licensee, as the case may be, by 30.11.2024 , based on admitted capital cost including additional capital expenditure already admitted and incurred up to 31.3.2024 (either based on actual or projected

additional capital expenditure) and estimated additional capital expenditure for the respective years of the tariff period 2024-29 along with the true up petition for the period 2019-24 in accordance with the CERC (Terms and Conditions of Tariff) Regulations, 2019."

In terms of above, the Petitioner is filing the present petition for determination of tariff for Ramagundam-I&II for the period from 01.04.2024 to 31.03.2029 as per the Tariff Regulations 2024.

6) The tariff of the Ramagundam-I&II for the tariff period 1.4.2019 to 31.3.2024 was determined by the Hon'ble Commission vide its order dated 05.10.2023 in Petition No. 416/GT/2020 in accordance with the CERC (Terms & Conditions of Tariff) Regulations 2019. The petitioner vide affidavit dated 26/11/ 2024 had filed a separate true up petition for the period 01.04.2019 to 31.03.2024 for revision of tariff in line with the applicable provisions of Tariff Regulations 2019.

7) It is submitted that Hon'ble Commission vide order dated 05.10.2023 in Petition No. 416/GT/2020 has allowed a capital cost of Rs 2236.77 Cr as on 31.03.2024 based on the admitted projected capital expenditure for the 2019-24 period. However, the actual closing capital cost as on 31.03.2024 has been worked out in the foresaid true-up petition as Rs. 2306.02 Cr based on the actual expenditure after truing up exercise for the period 2019-24. Accordingly, the Petitioner has adjusted an amount of Rs. 69.25 Cr of the admitted capital cost as on 31.03.2024 and accordingly the opening capital cost as on 01.04.2024 has been considered as Rs 2306.02 Cr in the instant petition. The Hon'ble Commission may be pleased to accordingly adopt this adjustment in the admitted capital cost as on 31.3.2024 and determine the tariff in the present petition for the period 2024-29.

8) The capital cost claimed in the instant petition is based on the opening capital cost as on 01.04.2024 considered as above and projected estimated capital expenditures claimed for the period 2024-29 under Regulation 19 and Regulation 24, 25 and 26 of the Tariff Regulations, 2024.

9) The Petitioner further respectfully submits that as per Regulation 36(1)(6) of the Tariff Regulations 2024, the water charges, security expenses, ash transportation expenses and capital spares consumed for thermal generating stations are to be allowed separately. The details in respect of water charges such as type of cooling water system, water consumption, rate of water charges as applicable for 2023-24 have been furnished below. Water charges claimed is estimated basis for 2024-29 period based on past expenses. In accordance with provision of the Regulations, the petitioner shall be furnishing the details of actual for the relevant year at the time of truing up and the same shall be subject to retrospective adjustment.

Description	**Remarks**
Type of Plant	Coal based station
Type of cooling water system	IDCT
Consumption of Water	Water for the Station is drawn from Yellampally Project. Tentative consumption for RSTPS-I & II : 2.007 TMC / year In addition, Payment towards power charges are also paid for lifting water as per Notification dated 27.06.2015 (copy enclosed at Annex-I)
Rate of Water charges	Rs 8.66 *Cr / TMC (for 2023-24 & 2024-24)* (Govt. of Telangana has also accorded permission for enhancement of the rate @ 10 % once in two Financial year from the date of issue of Government order.
Total Water Charges	Yearly details as per Form-3A of Appendix-I

10) Similarly, the Petitioner is claiming the security & ash transportation expenses based on the estimated expenses for the period 2024-29, the same shall be subject to retrospective adjustment based on actuals at the time of truing up. In

respect of capital spares consumption, it is submitted that the same shall be claimed at the time of true-up in terms of the proviso to the Regulation 36(1)(6) based on actual consumption of spares during the period 2024-29.

11) However, it is submitted that the expenditure towards the ash transportation charges is recurring in nature and the Petitioner has been incurring ash transportation expenditure in its stations in the current tariff period also. In case the same is permitted to be recovered after the issuance of the tariff order for the period 2024-29, there will be additional liability on the beneficiary on account of the interest payment for the period till the time the tariff petitions for the period 2024-29 is decided. To avoid the interest payment liability of the beneficiaries, it is prayed that the petitioner may be allowed to recover/ pass on the ash transportation charges on a monthly basis subject to true-up at the end of the 2024-29 period.

12) The petitioner humbly submits that petition no. 227/MP/2024 has been filed by the petitioner concerning Ash Transport Expenditure for its stations which is under active consideration of this Hon'ble Commission and the outcome of the said petition will be applicable to the instant petition also.

13) The Petitioner further respectfully submits that the wage/ salary revision of the employees of the Petitioner will be due with effect from 1.1.2027. 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 1.1.2027, based on the actual payments whenever paid by it.

14) The present petition is filed on the basis of norms specified in the Tariff Regulations 2024. It is submitted that the petitioner is in the process of installing

the Emission Control Systems (ECS) in compliance of the Revised Emission Standards as notified by MOEF vide notification dated 07.12.2015 as amended. Completion of these schemes in compliance of revised emission norms will affect the Station APC, Heat Rate, O&M expenses etc. In addition, the availability of the unit/ station would be also affected due to shutdown of the units for installation of ECS. The petitioner would be filing the details of the same in terms of the Regulation 29 of CERC (Terms& Conditions of Tariff) Regulations 2024.

15) The Petitioner humbly submits that the pay/wage revision for the employees of the Petitioner will be due wef 01.01.2027. Further, the wage/pay revision of CISF and Kendriya Vidyalaya employees will also be due for revision during the tariff period 2024-29. Regulation-36(1)(8) of CERC (Terms & Conditions of Tariff) Regulations-2024 provides as below:

"In the case of a generating company owned by the Central or State Government, the impact on account of implementation of wage or pay revision shall be allowed at the time of truing up of tariff."

In accordance with the above said regulation, the Petitioner shall approach the Hon'ble Commission for allowing the impact of Pay/wage revision of employees of the Petitioner i.e. NTPC Limited, CISF and Kendriya Vidyalaya (wherever applicable) as additional O&M at the time of truing-up of tariff for the control period 2024-29. Hon'ble Commission may be pleased to consider the impact of wage/pay revision as an additional impact on O&M and allow the same as additional O&M over and above the normative O&M.

16) It is submitted that in terms of Regulation 60 (5) of the Tariff Regulations 2024, the Petitioner is required to furnish details qua providing the details of Landed Price & Gross Calorific Value ("GCV") of coal in Form 15. It is further submitted that the Petitioner in terms of Regulation 40 of the Tariff Regulations 2019 was required to furnish the details for Landed Price & GCV of coal also as per Form 15 of the Tariff Regulations, 2019.

17) However, in so far as the present Petition is concerned, the Petitioner has prepared & submitted the data of coal as per Form 15 of the Tariff Regulations, 2019. The same is because of the following reasons:-

(a) This Hon'ble Commission had notified the Tariff Regulations, 2019 on 07.03.2019 and the same was in effect till 31.03.2024.

(b) The Petitioner being a diligent utility has been seamlessly providing the said data of coal in terms of the prescribed format (i.e. Form 15 of Annexure-I (Part I)) of the Tariff Regulations, 2019 to this Hon'ble Commission for computation of Interest on Working Capital.

(c) Thereafter, this Hon'ble Commission on 15.03.2024 notified the Tariff Regulations, 2024, wherein the format of Form 15 was changed/ amended by this Hon'ble Commission and a new format was placed in the Tariff Regulations 2024 in the month of June'2024.

(d) By virtue of the said change, the Petitioner has been obligated to furnish the data of coal for its existing plants month wise for the preceding 12 months i.e. for FY 2023-24 for computation of Interest on Working Capital.

18) It is humbly submitted that by virtue of the Tariff Regulations, 2024, this Hon'ble Commission has added a new format/ revised the format of Form-15 which has not prescribed in the past Tariff Regulations i.e. of 2019. Hence, it is only now (in the Tariff Regulations 2024) that the Petitioner has been obligated to furnish the data of coal as per the new format of Form-15.

19) It is respectfully submitted that since the format for Form 15 has been changed in Tariff Regulations, 2024 and was notified in the month of June'2024, the Petitioner could not have been aware about the said changes earlier, hence the Petitioner did not maintain the data required in new format of Form 15 of Tariff Regulations, 2024.

20) Therefore, this Hon'ble Commission may kindly exempt the Petitioner from furnishing the data of coal in terms of new format of Form 15 of the Tariff Regulations, 2024 & may be allowed to furnish the details of coal for FY 2023-24 in terms of the prescribed format of Form-15 of the Tariff Regulations, 2019.

21) In light of the above submissions, it may kindly be noted that no prejudice shall be caused to any party if the Petitioner is allowed for providing the details of Landed Price & GCV of coal to this Hon'ble Commission in terms of Form 15 of

the Tariff Regulations, 2019 as the value of Landed Price & GCV of coal will remains unaffected.

22) It is submitted the Petitioner has served the copy of the Petition on to the Respondents mentioned herein above and has posted the Petition on the company website i.e. www.ntpc.co.in

23) The petitioner has accordingly calculated the tariff for 2024-29 period based on the above and the same is enclosed as **Appendix-I** to this petition.

24) In accordance with the 'Conduct of Business Regulations 2023' of the Hon'ble Commission, the Petitioner shall publish a notice about such filing in at least two daily leading digital newspapers one in English language and another in any of the Indian languages, having wide circulation in each of the States and Union Territories where the beneficiaries are situated, as per Form 14 appended to these regulations. Subsequently, the Petitioner shall submit the proof of publications as soft copies of the publications under an affidavit through the e-filing portal of the Hon'ble Commission within one week from the date of publication. Further, the Petitioner shall also submit the detail of expenses incurred for publication of the notice along with the prayer for recovery of Publication Expenses as per Regulation-94 of CERC Tariff Regulations 2024.

25) It is submitted that the Petitioner has already paid the requisite filing fee vide Transaction ID: **37c586eba62158b7b321** on **24.04.2024** for the year 2024-25 and the details of the same have been duly furnished to the Hon'ble Commission vide email dtd. 29.04.2024. For the subsequent years, it shall be paid as per the provisions of the CERC (Payment of Fees) Regulations, 2012 as amended. Hon'ble Commission may be pleased to take the above into consideration and allow the recovery of filing fee for the instant station as per Regulation-94 of CERC Tariff Regulations 2024.

26) It is submitted that the petitioner is filing this tariff petition subject to the outcome of its various appeals/ petitions pending before different courts. Besides, the petitions filed by NTPC for determination of capital base as on 31.3.2019 through true-up exercise are pending before the Hon'ble Commission and would take some time. The Petitioner, therefore, reserves its right to amend the tariff petition as per the outcome in such appeals/ petitions, if required.

Prayers

In the light of the above submissions, the Petitioner, therefore, prays that the Hon'ble Commission may be pleased to:

i) Approve tariff of Ramagundam-I&II for the tariff period 01.04.2024 to 31.03.2029.

ii) Allow the recovery of filing fees as & when paid to the Hon'ble Commission and publication expenses from the beneficiaries.

iii) Allow reimbursement of Ash Transportation Charges directly from the beneficiaries on monthly basis, subject to true up.

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

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Noida

BEFORE THE HON'BLE CENTRAL ELECTRICITY REGULATORY COMMISSION

NEW DELHI

PETITION NO.....

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 Chapter-3, Regulation-9 of Central Electricity Regulatory Commission (Terms and Conditions of Tariff) Regulations, 2024 for approval of tariff of **Ramagundam Super Thermal Power Station Stages-I,II (2100 MW) for the period from 01.04.2024 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-110 003

1) Respondents: AP Eastern Power Distribution Company Limited & Ors

NOTARY YOGENDRA SINGH AREA NOIDA G.B. NAGAR REGN. NO. 9877/05 NOTARIAL GOVT. OF INDIA NOTARIAL

AFFIDAVIT

I, Umasankar Mohanty, son of B.K. Mohanty aged about 58 years, resident of D-109, Shaurya NTPC Township, Noida do solemnly affirm, and state as follows: -:

1) That the deponent is the Additional General Manager of Petitioner/Applicant/Respondent and is well conversant with the facts and the circumstances of the case and therefore competent to swear this affidavit.
2) That the accompanying Petition under Section 62 and 79(1)(a) of the Electricity Act, 2003, has been filed by my authorized representative/nominated counsel 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 as mentioned in the Petition are true and correct based on my personal knowledge, belief and records maintained in the office.
4) That the annexures annexed to the Petition 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 of the dispute.

(Deponent)

उमाशंकर मोहंती / Umasankar Mohanty
अपर महाप्रबन्धक (वाणिज्यिक)
Addl. General Manager (Commercial)
एनटीपीसी लिमिटेड / NTPC Limited

VERIFICATION

Verified at Noida on 26th day of November 2024, 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.

NOTARY YOGENDRA SINGH AREA NOIDA G.B. NAGAR REGN. NO. 9877/05 GOVT. OF INDIA

ATTESTED
YOGENDRA SINGH
NOTARY NOIDA
G B NAGAR (U.P.) INDIA
26 NOV 2024

(Deponent)

उमाशंकर मोहंती / Umasankar Mohanty
अपर महाप्रबन्धक (वाणिज्यिक)
Addl. General Manager (Commercial)
एनटीपीसी लिमिटेड / NTPC Limited

TARIFF FILING FORMS (THERMAL)

FOR DETERMINATION OF TARIFF

FOR

Ramagundam Super Thermal Power Station Stgae-I&II

(From 01.04.2024 to 31.03.2029)

PART-I

ANNEXURE-I

PART-I
FORM- 1

Summary of Tariff

Name of the Petitioner:	NTPC Limited
Name of the Generating Station:	Ramagundam Super Thermal Power Station Stgae-I&II
Place (Region/District/State):	Southern / Ramagundam / Telangana

Amount in Rs. Lakhs

S. No.	Particulars	Unit	Existing 2023-24	2024-25	2025-26	2026-27	2027-28	2028-29
1	2	3	4	5	6	7	8	9
1.1	Depreciation	Rs Lakh	6,316.65	3,931.93	253.80	110.21	1,020.87	6,517.49
1.2	Interest on Loan	Rs Lakh	55.31	-	-	2.36	19.82	118.38
1.3	Return on Equity	Rs Lakh	12,881.96	13,001.81	13,014.27	13,019.92	13,082.59	13,414.77
1.4	Interest on Working Capital	Rs Lakh	20,289.50	20,210.13	20,182.86	20,127.70	20,076.66	20,419.73
1.5	O&M Expenses	Rs Lakh	74,803.29	100328.00	100884.00	99802.00	98561.00	103651.00
1.6	Special Allowance (If applicable)	Rs Lakh	19,950.00	22575.00	22575.00	22575.00	22575.00	22575.00
	Total	Rs Lakh	**134296.70**	**160046.88**	**156909.93**	**155637.19**	**155335.94**	**166696.36**
2.1	Landed Fuel Cost (coal/gas/RLNG/ liquid) as per FSA	Rs/Ton	5073.94	4936.96	4936.96	4936.96	4936.96	4936.96
	(%) of Fuel Quantity	(%)						
2.2	Landed Fuel Cost Imported Coal		NA					
	(%) of Fuel Quantity							
2.3	Landed Fuel Cost (coal/gas /RLNG/liquid) other than FSA	Rs/Ton						
	(%) of Fuel Quantity	(%)						
2.4	Landed Fuel Cost Imported Coal other than FSA.							
	(%) of Fuel Quantity							
2.5	Secondary fuel oil cost	Rs/Unit	0.065	0.070	0.070	0.070	0.070	0.070
	Energy Charge Rate ex-bus (Paise/kWh) 2A, 2B, 2C, 2D	Rs/Unit	3.952	3.734	3.734	3.734	3.734	3.734

(Petitioner)

PART-I
FORM- 1(I)

Name of the Petitioner:	**NTPC Limited**
Name of the Generating Station:	**Ramagundam Super Thermal Power Station Stgae-I&II**

Amount in Rs. Lakhs

Statement showing claimed capital cost – (A+B)

S. No.	Particulars	2024-25	2025-26	2026-27	2027-28	2028-29
1	2	3	4	5	6	7
1	Opening Capital Cost	2,30,601.87	2,31,165.87	2,31,165.87	2,31,410.77	2,33,434.47
2	Add: Addition during the year/period	564.00	-	244.90	2,023.70	12,459.60
3	Less: De-capitalisation during the year/period	-	-	-	-	-
4	Less: Reversal during the year / period	-	-	-	-	-
5	Add: Discharges during the year/ period	-	-	-	-	-
6	Closing Capital Cost	2,31,165.87	2,31,165.87	2,31,410.77	2,33,434.47	2,45,894.07
7	**Average Capital Cost**	**2,30,883.87**	**2,31,165.87**	**2,31,288.32**	**2,32,422.62**	**2,39,664.27**

Statement showing claimed capital cost eligible for RoE at normal rate (A)

S. No.	Particulars	2024-25	2025-26	2026-27	2027-28	2028-29
1	2	3	4	5	6	7
1	Opening Capital Cost	230262.31	230262.31	230262.31	230302.41	232326.11
2	Add: Addition during the year / period	0.00	0.00	40.10	2023.70	0.00
3	Less: De-capitalisation during the year / period	0.00	0.00	0.00	0.00	0.00
4	Less: Reversal during the year / period	0.00	0.00	0.00	0.00	0.00
5	Add: Discharges during the year / period	0.00	0.00	0.00	0.00	0.00
6	Closing Capital Cost	230262.31	230262.31	230302.41	232326.11	232326.11
7	**Average Capital Cost**	**230262.31**	**230262.31**	**230282.36**	**231314.26**	**232326.11**

Statement showing claimed capital cost eligible for RoE linked with SBI MCLR (B)

S. No.	Particulars	2024-25	2025-26	2026-27	2027-28	2028-29
1	2	3	4	5	6	7
1	Opening Capital Cost	339.56	903.56	903.56	1108.36	1108.36
2	Add: Addition during the year / period	564.00	0.00	204.80	0.00	12459.60
3	Less: De-capitalisation during the year / period	0.00	0.00	0.00	0.00	0.00
4	Less: Reversal during the year / period	0.00	0.00	0.00	0.00	0.00
5	Add: Discharges during the year / period	0.00	0.00	0.00	0.00	0.00
6	Closing Capital Cost	903.56	903.56	1108.36	1108.36	13567.96
7	**Average Capital Cost**	**621.56**	**903.56**	**1005.96**	**1108.36**	**7338.16**

(Petitioner)

PART-I
FORM- 1(IIA)

Name of the Petitioner:	**NTPC Limited**
Name of the Generating Station:	**Ramagundam Super Thermal Power Station Stgae-I&II**

Statement showing Return on Equity at Normal Rate

Amount in Rs. Lakhs

S. No.	Particulars	2024-25	2025-26	2026-27	2027-28	2028-29
1	2	3	4	5	6	7
	Return on Equity					
1	Gross Opening Equity (Normal)	1,12,795.42	1,12,795.42	1,12,795.42	1,12,807.45	113414.56
2	Less: Adjustment in Opening Equity	43,716.73	43,716.73	43,716.73	43,716.73	43,716.73
3	Adjustment during the year					
4	Net Opening Equity (Normal)	69,078.69	69,078.69	69,078.69	69,090.72	69,697.83
5	Add: Increase in equity due to addition during the year / period	0.00	0.00	12.03	607.11	0.00
7	Less: Decrease due to De-capitalisation during the year / period	0.00	0.00	0.00	0.00	0.00
8	Less: Decrease due to reversal during the year / period	0.00	0.00	0.00	0.00	0.00
9	Add: Increase due to discharges during the year / period	0.00	0.00	0.00	0.00	0.00
10	Net closing Equity (Normal)	69,078.69	69,078.69	69,090.72	69,697.83	69,697.83
11	Average Equity (Normal)	69,078.69	69,078.69	69,084.71	69,394.28	69,697.83
12	Rate of ROE (%)	18.782	18.782	18.782	18.782	18.782
13	Total ROE	**12,974.36**	**12,974.36**	**12,975.49**	**13,033.63**	**13,090.65**

(Petitioner)

PART-I
FORM- 1(IIB)

Name of the Petitioner:	**NTPC Limited**
Name of the Generating Station:	**Ramagundam Super Thermal Power Station Stgae-I&II**

Statement showing Return on Equity linked with SBI MCLR

Amount in Rs. Lakhs

S. No.	Particulars	2024-25	2025-26	2026-27	2027-28	2028-29
1	2	3	4	5	6	7
	Return on Equity at Weighted Average Rate of Interest					
1	Gross Opening Equity (Normal)	101.87	271.07	271.07	332.51	332.51
2	Less: Adjustment in Opening Equity	0.00	0.00	0.00	0.00	0.00
3	Adjustment during the year	0.00	0.00	0.00	0.00	0.00
4	Net Opening Equity (Normal)	101.87	271.07	271.07	332.51	332.51
5	Add: Increase in equity due to addition during the year / period	169.20	0.00	61.44	0.00	3737.88
7	Less: Decrease due to De-capitalisation during the year / period	0.00	0.00	0.00	0.00	0.00
8	Less: Decrease due to reversal during the year / period	0.00	0.00	0.00	0.00	0.00
9	Add: Increase due to discharges during the year / period	0.00	0.00	0.00	0.00	0.00
10	Net closing Equity (Normal)	271.07	271.07	332.51	332.51	4070.39
11	Average Equity (Normal)	186.47	271.07	301.79	332.51	2201.45
12	Rate of ROE- Post Tax , i.e SBI MCLR plus 350 BP (%)	12.15	12.15	12.15	12.15	12.15
13	Rate of ROE-Pre tax (%)	14.723	14.723	14.723	14.723	14.723
14	Total ROE	**27.45**	**39.91**	**44.43**	**48.96**	**324.12**

(Petitioner)

Plant Characteristics

Name of the Petitioner : **NTPC Ltd** **PART-I**

Name of the Generating Station : **Ramagundam STPS -I & II** **FORM-2**

Unit(s)/Block(s)/Parameters	Unit-I	Unit-II	Unit-III	Unit-IV	Unit-V	Unit-VI
Installed Capacity (MW)	200	200	200	500	500	500
Schedule COD as per Investment Approval						
Actual COD /Date of Taken Over (as applicable)	01-Mar-84	01-Nov-84	01-May-85	01-Nov-88	01-Sep-89	01-Apr-91
Pit Head or Non Pit Head or Integrated Mine	Pit Head					
Distance from Integrated mine (kms), If applicable						
Name of the Boiler Manufacture	ANSALDO -Italy			BHEL		
Name of Turbine Generator Manufacture	ANSALDO -Italy			BHEL		
Main Steams Pressure at Turbine inlet (kg/Cm²) abs1.						
Main Steam Temperature at Turbine inlet (°C) 1						
Reheat Steam Pressure at Turbine inlet (kg/Cm²) 1						
Reheat Steam Temperature at Turbine inlet (°C) 1						
Main Steam flow at Turbine inlet under MCR condition (tons /hr)²						
Main Steam flow at Turbine inlet under VWO condition (tons /hr)²						
Unit Gross electrical output under MCR /Rated condition (MW)²						
Unit Gross electrical output under VWO condition (MW)²						
Guaranteed Design Gross Turbine Cycle Heat Rate (kCal/kWh)³						
Conditions on which design turbine cycle heat rate guaranteed						
% MCR						
% Makeup Water Consumption						
Design Capacity of Make up Water System						
Design Capacity of Inlet Cooling System						
Design Cooling Water Temperature (°C)						
Back Pressure						
Steam flow at super heater outlet under BMCR condition (tons/hr)						
Steam Pressure at super heater outlet under BMCR condition) (kg/Cm²)						
Steam Temperature at super heater outlet under BMCR condition (°C)						
Steam Temperature at Reheater outlet at BMCR condition (°C)						
Design / Guaranteed Boiler Efficiency (%)⁴						
Design Fuel with and without Blending of domestic/imported coal						

Type of Cooling Tower	Induced Draft Cooling Towers	Induced Draft splash type, Counter flow
Type of cooling system[5]	Closed	Closed
Type of Boiler Feed Pump[6]	Motor driven (MDBFP)	2 Nos Turbine driven (TDBFP) and 1 No MDBFP
Type of Coal Mill		
Fuel Details[7]		
-Primary Fuel	Coal	Coal
-Secondary Fuel	HSD	HFO
-Alternate Fuels	-	-
Types of SOX control system		
Types of NOX control system		
Details of SPM control system		
Special Features/Site Specific Features[8]	Merry go round system	
Special Technological Features[9]		
Environmental Regulation related features[10]	ESP, FGD is under implementation	
Any other special features		
1: At Turbine MCR condition.		
2: with 0% (Nil) make up and design Cooling water temperature		
3: at TMCR output based on gross generation, 0% (Nil) makeup and design Cooling water temperature.		
4: With Performance coal based on Higher Heating Value (HHV) of fuel and at BMCR) out put		
5: Closed circuit cooling, once through cooling, sea cooling, natural draft cooling, induced draft cooling etc.		
6: Motor driven, Steam turbine driven etc.		
7: Coal or natural gas or Naptha or lignite etc.		
8: Any site-specific feature such as Merry-Go-Round, Front/Rear/Sides fired Boiler, Vicinity to sea, Intake /makeup water systems etc. scrubbers etc. Specify all such features.**Front Fired Boiler**		
9: Any Special Technological feature like Advanced class FA technology in Gas Turbines, etc.		
10: Environmental Regulation related features like FGD, ESP etc.,		
Note 1: In case of deviation from specified conditions in Regulation, correction curve of manufacturer may also be submitted.		
Note 2: Heat Balance Diagram has to be submitted along with above information in case of new stations.		
Note 3: The Terms – MCR, BMCR, HHV, Performance coal, are as defined in CEA Technical Standards for Construction of Electric Plants and Electric Lines Regulations – 2010 notified by the Central Electricity Authority.		
(Petitioner)		

PART-I

FORM- 3

Normative parameters considered for tariff computations

Name of the Petitioner: NTPC Limited

Name of the Generating Station: Ramagundam Super Thermal Power Station Stgae-I&II

(Year Ending March)

Particulars	Unit	Existing 2023-24	2024-25	2025-26	2026-27	2027-28	2028-29
1	2	3	4	5	6	7	8
Base Rate of Return on Equity	%	15.50	15.50	15.50	15.50	15.50	15.50
Base Rate of Return on Equity on Add. Capitalization	%	9.057	14.723	14.723	14.723	14.723	14.723
Effective Tax Rate	%	17.4720	17.4720	17.4720	17.4720	17.4720	17.4720
Target Availability	%						
Peak Hours	%	85	85	85.00	85.00	85.00	85.00
Off-Peak Hours	%	85	85	85.00	85.00	85.00	85.00
ß- Average Monthly Frequency Response Performance5	0-1	Will be provided at the time of truing up					
Auxiliary Energy Consumption	%	7.04	6.68	6.68	6.68	6.68	6.68
Gross Station Heat Rate	kCal/kWh	2401.43	2386.43	2386.43	2386.43	2386.43	2386.43
Specific Fuel Oil Consumption	ml/kWh	0.50	0.64	0.64	0.64	0.64	0.64
Cost of Coal/Lignite for WC	in Days	40	40	40	40	40	40
Cost of Main Secondary Fuel Oil for WC	in Months	2	2	2	2	2	2
Fuel Cost for WC2	in Months						
Liquid Fuel Stock for WC	in Months						
O&M Expenses	Rs lakh/MW	29.27	31.10	32.73	34.45	36.26	38.16
Maintenance Spares for WC	% of O&M	20.00	20.00	20.00	20.00	20.00	20.00
Receivables for WC	in Days	45	45	45	45	45	45
Storage capacity of Primary fuel*	MT	750000					
SBI 1 Year MCLR plus 325 basis point	%	12.00	11.90	11.90	11.90	11.90	11.90
Blending ratio of domestic coal/imported coal							
Norms for consumption of reagent	FGD is not commissioned						
Specific Limestone consumption for Wet Limestone FGD							
Specific Limestone consumption for Lime Spray Dryer or Semi-dry FGD							
Specific consumption of sodium bicarbonate							
Specific Limestone consumption for CFBC							
specific urea consumption of the SNCR							

Specific ammonia consumption of the SCR							
Transit and Handling Losses of coal or lignite, as applicable							

Note: 1). For Coal based/lignite based generating stations

2). For Gas Turbine/Combined Cycle generating stations duly taking into account the mode of operation on gas fuel and liquid fuel.

3). Mention relevant date.

4). Effective tax rate is to be computed in accordance with Regulation 31 i.e. actual tax (or advance tax)/gross income, where gross income refers the profit before tax.

5). To be submitted at the time of truing up based on RPC certification.

* Storage Cpacity for Ramagundam -I & II and III combined together

Petitioner

Part-I
FORM-3A
ADDITIONAL FORM

Calculation of O&M Expenses

Name of the Company : **NTPC Limited**
Name of the Power Station : **Ramagundam Super Thermal Power Station Stgae-I&II**

Amount in Rs. Lakhs

S.No.	Particulars	2024-25	2025-26	2026-27	2027-28	2028-29
1	2	3	4	5	7	8
1	**O&M expenses under Reg.36(1)(1)**					
1a	Normative	65307.00	68742.00	72348.00	76146.00	80136.00
2	**O&M expenses under Reg.36(1)(6)**					
2a	Water Charges	2265.00	2605.00	2605.00	2866.00	2866.00
2b	Secutiry expenses	4406.00	5306.00	5767.00	6222.00	6716.00
2c	Capital Spares					
3	Ash Transportation	28350	24231	19082	13327	13933
	Total O&M Expenses	**100328.00**	**100884.00**	**99802.00**	**98561.00**	**103651.00**

PART-I
FORM-3B
Additional Form

Computation of Special Allowance

Name of the Company : NTPC Limited

Name of the Power Station : Ramagundam Super Thermal Power Station Stgae-I&II

Rate of Special allowance @lakh/MW/year 10.75

(Rs. Lakh)

Unit No.	Capacity (MW)	Date of COD	Year of completion of		Special Allowance as per Clause 28				
				Existing 2023-24	2024-25	2025-26	2026-27	2027-28	2028-29
1	200	1-Mar-84	2008-09	1900.00	2150.00	2150.00	2150.00	2150.00	2150.00
2	200	1-Nov-84	2009-10	1900.00	2150.00	2150.00	2150.00	2150.00	2150.00
3	200	1-May-85	2010-11	1900.00	2150.00	2150.00	2150.00	2150.00	2150.00
4	500	1-Nov-88	2013-14	4750.00	5375.00	5375.00	5375.00	5375.00	5375.00
5	500	1-Sep-89	2014-15	4750.00	5375.00	5375.00	5375.00	5375.00	5375.00
6	500	1-Apr-91	2016-17	4750.00	5375.00	5375.00	5375.00	5375.00	5375.00
Year wise Total for the Station				**19950.02**	**22575.00**	**22575.00**	**22575.00**	**22575.00**	**22575.00**

Petitioner

PART 1
FORM- 5

Abstract of Admitted Capital Cost for the existing Projects

Name of the Company : **NTPC Ltd.**

Name of the Power Station :**Ramagundam Super Thermal Power Station Stgae-I&II**

Last date of order of Commission for the project	**Date (DD-MM-YYYY)**	05-10-2023
Reference of petition no. in which the above order was passed	**Petition no.**	416/GT/2020
Following details as admitted on 31.03.24 in the above order by the Commission:		
Capital cost	**(Rs. in lakh)**	2,22,083.85
Amount of un-discharged liabilities included in above (& forming part of		51.75
Amount of un-discharged liabilities corresponding to above admitted capital		
Gross Normative Debt		1,11,741.97
Cumulative Repayment		1,10,552.31
Net Normative Debt		1,189.66
Normative Equity		66,625.15
Cumulative Depreciation		1,97,228.08
Freehold land		-

(Petitioner)

Statement Giving Details of Project Financed through a Combination of loan

Form 8

TRANCHE NO

BP NO 5050003521 T00001 D03004

Unsecured Loan From HDFC Bank Ltd.-IV		
Source of Loan :	HDFC Bank Ltd.-IV	
Currency :	INR	
Amount of Loan :	20,00,00,00,000	
Total Drawn amount :	12,45,00,00,000	
Date of draw	29.06.2018	
Interest Type :	Floating	
Fixed Interest Rate :		
Base Rate, If Floating Interest	8.45%	
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 :	29.06.2018	
Repayment Period (Inc Moratorium) :	12 Years	
Repayment Frequency :	9 Yearly Instalment	
Repayment Type :	AVG	
First Repayment Date :	17.04.2021	
Base Exchange Rate :	RUPEE	
Date of Base Exchange Rate :	N.A.	

Project Code	Project Name	Amount			
	KORBA R&M	90,00,00,000	29.06.2018	T00001	D00004
	RAMAGUNDAM R&M	2,20,00,00,000	29.06.2018	T00001	D00004
	UNCHAHAR R&M	70,00,00,000	29.06.2018	T00001	D00004
	RIHAND R&M	90,00,00,000	29.06.2018	T00001	D00004
	KAWAS R&M	1,80,00,00,000	29.06.2018	T00001	D00004
	AURAIYA R&M	1,80,00,00,000	29.06.2018	T00001	D00004
	TSTPP R&M	90,00,00,000	29.06.2018	T00001	D00004
	GANDHAR R&M	1,85,00,00,000	29.06.2018	T00001	D00004
	NCTPP R&M	30,00,00,000	29.06.2018	T00001	D00004
	KAHALGAON R&M	30,00,00,000	29.06.2018	T00001	D00004
	ANTA R&M	80,00,00,000	29.06.2018	T00001	D00004
Total Allocated Amount		12,45,00,00,000			

Statement Giving Details of Project Financed through a Combination of loan

Form 8

TRANCHE NO

BP NO 5050003641 T00001 D0001

Unsecured Loan From HDFC Bank Ltd. VI		
Source of Loan :	HDFC Bank Ltd. VI	
Currency :	INR	
Amount of Loan :	15,00,00,00,000	
Total Drawn amount :	2,70,00,00,000	
Date of draw	26.09.2018	
Interest Type :	Floating	
Fixed Interest Rate :		
Base Rate, If Floating Interest	8.45%	
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 :	26.09.2025	

Base Exchange Rate :	RUPEE				
Date of Base Exchange Rate :	N.A.				
Project Code	Project Name	Amount			
	NORTH KARANPURA	70,00,00,000	28.09.2018	T00001	D00001
	SINGRAULI	1,00,00,00,000	28.09.2018	T00001	D00001
	RAMAGUNDAM	1,00,00,00,000	28.09.2018	T00001	D00001
Total Allocated Amount		2,70,00,00,000			

Statement Giving Details of Project Financed through a Combination of loan

Form 8

TRANCHE NO

BP NO 5050000571 T00001 D00003

Unsecured Loan From Punjab National Bank-III					
Source of Loan :	Punjab National Bank-III				
Currency :	INR				
Amount of Loan :	20,00,00,00,000				
Total Drawn amount :	5,00,00,00,000				
Date of Drawl	13.08.2018				
Interest Type :	Floating				
Fixed Interest Rate :					
Base Rate, If Floating Interest	8.30%				
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 :	13.08.2018				
Repayment Period (Inc Moratorium) :	12 Years				
Repayment Frequency :	9 Yearly Instalment				
Repayment Type :	AVG				
First Repayment Date :	01.02.2022				
Base Exchange Rate :	RUPEE				
Date of Base Exchange Rate :	N.A.				
Project Code	Project Name	Amount			
	BARH-I	30,00,00,000.00	13.08.2018	T00001	D00003
	SOLAPUR	20,00,00,000.00	13.08.2018	T00001	D00003
	TANDA-II	20,00,00,000.00	13.08.2018	T00001	D00003
	TALLAIPALLI	50,00,00,000.00	13.08.2018	T00001	D00003
	SINGRAULI R&M	80,00,00,000.00	13.08.2018	T00001	D00003
	FARAKKA R&M	90,00,00,000.00	13.08.2018	T00001	D00003
	RIHAND R&M	50,00,00,000.00	13.08.2018	T00001	D00003
	DADRI GAS R&M	40,00,00,000.00	13.08.2018	T00001	D00003
	KORBA R&M	40,00,00,000.00	13.08.2018	T00001	D00003
	RAMAGUNDAM R&M	40,00,00,000.00	13.08.2018	T00001	D00003
	VINDHAYACHAL R&M	30,00,00,000.00	13.08.2018	T00001	D00003
	UNCHAHAR R&M	20,00,00,000.00	13.08.2018	T00001	D00003
Total Allocated Amount		5,00,00,00,000.00			

Statement Giving Details of Project Financed through a Combination of loan

Form 8

TRANCHE NO

BP NO 5050000571 T00001 D00004

Unsecured Loan From Punjab National Bank-III			
Source of Loan :	Punjab National Bank-III		
Currency :	INR		
Amount of Loan :	20,00,00,00,000		
Total Drawn amount :	5,00,00,00,000		
Date of Drawl	21.08.2018		
Interest Type :	Floating		
Fixed Interest Rate :			
Base Rate, If Floating Interest	8.30%		

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 :	21.08.2018				
Repayment Period (Inc Moratorium) :	12 Years				
Repayment Frequency :	9 Yearly Instalment				
Repayment Type :	AVG				
First Repayment Date :	01.02.2022				
Base Exchange Rate :	RUPEE				
Date of Base Exchange Rate :	N.A.				
Project Code	Project Name	Amount			
	SINGRAULI R&M	1,00,00,00,000.00	21.08.2018	T00001	D00004
	KORBA R&M	1,00,00,00,000.00	21.08.2018	T00001	D00004
	RAMAGUNDAM R&M	1,00,00,00,000.00	21.08.2018	T00001	D00004
	VINDHYACHAL R&M	1,00,00,00,000.00	21.08.2018	T00001	D00004
	TANDA R&M	1,00,00,00,000.00	21.08.2018	T00001	D00004
Total Allocated Amount		5,00,00,00,000.00			

Statement Giving Details of Project Financed through a Combination of loan

Form 8

TRANCHE NO

BP NO 5050000531 T00001 D0009

Unsecured Loan From SBI-IX			
Source of Loan :	SBI-IX		
Currency :	INR		
Amount of Loan :	30,00,00,00,000		
Total Drawn amount :	2,00,00,00,000		
Date of Drawal:	27.06.2018		
Interest Type :	Floating		
Fixed Interest Rate :	----------		
Base Rate, If Floating Interest	8.25%		
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 :	27.06.2018		
Repayment Period (Inc Moratorium) :	12 Years		
Repayment Frequency :	9 Yearly Installments		
Repayment Type :	AVG		
First Repayment Date :	31.03.2021		
Base Exchange Rate :	RUPEE		
Date of Base Exchange Rate :	N.A.		
Project Code	Project Name	Amount	
	BARH-I	25,00,00,000	27.06.2018
	TANDA II	30,00,00,000	27.06.2018
	TELANGANA	30,00,00,000	27.06.2018
	RAMAGUNDAM R&M	25,00,00,000	27.06.2018
	TALCHER STPP R&M	40,00,00,000	27.06.2018
	KAHALGAON R&M	20,00,00,000	27.06.2018
	PAKRI BARWADIH CMB	30,00,00,000	27.06.2018
Total Allocated Amount		2,00,00,00,000.00	

Form 8

TRANCHE NO

BP NO 5050000261 T00001 D00008

Unsecured Loan From SBI-VII		
Source of Loan :	SBI-VII	

Currency :	INR					
Amount of Loan :	1,00,00,00,00,000					
Total Drawn amount :	5,00,00,00,000					
Date of Drawl	11.03.2013					
Interest Type :	Floating					
Fixed Interest Rate :	----------					
Base Rate, If Floating Interest	D00008- 8.25%					
Margin, If Floating Interest :	D00008= 0.495%					
Are there any Caps/ Floor :	Y/N					
Frequency of Intt. Payment	Monthly					
If Above is yes, specify Caps/ Floor :						
Moratorium Period :	4 Years					
Moratorium effective from :	11.03.2013					
Repayment Period (Inc Moratorium) :	12 Years					
Repayment Frequency :	16 Half Yearly Instalments					
Repayment Type :	AVG					
First Repayment Date :	30.09.2015					
Base Exchange Rate :	RUPEE					
Date of Base Exchange Rate :	N.A.					
Project Code	Project Name	Amount				
	KOLDAM	35,00,00,000	11.03.2013	T00001	D00008	
	SOLAPUR	30,00,00,000	11.03.2013	T00001	D00008	
	VINDHYACHAL-V	38,00,00,000	11.03.2013	T00001	D00008	
	TAPOVAN	18,00,00,000	11.03.2013	T00001	D00008	
	BARH-I	57,00,00,000	11.03.2013	T00001	D00008	
	MOUDA-II	26,00,00,000	11.03.2013	T00001	D00008	
	RIHAND III	32,00,00,000	11.03.2013	T00001	D00008	
	KUDGI-I	38,00,00,000	11.03.2013	T00001	D00008	
	DADRI SOLAR PV	19,00,00,000	11.03.2013	T00001	D00008	
	A&N SOLAR PV	20,00,00,000	11.03.2013	T00001	D00008	
	LARA-I	20,00,00,000	11.03.2013	T00001	D00008	
	BONGAIGAON	34,00,00,000	11.03.2013	T00001	D00008	
	FARAKKA-III	27,00,00,000	11.03.2013	T00001	D00008	
	SIMHADRI-II	20,00,00,000	11.03.2013	T00001	D00008	
	SINGRAULI-R&M	10,00,00,000	11.03.2013	T00001	D00008	
	TTPS-R&M	15,00,00,000	11.03.2013	T00001	D00008	
	KAWAS-R&M	15,00,00,000	11.03.2013	T00001	D00008	
	GANDHAR-R&M	8,00,00,000	11.03.2013	T00001	D00008	
	TSTPP-R&M	10,00,00,000	11.03.2013	T00001	D00008	
	RAMAGUNDAM-R&M	8,00,00,000	11.03.2013	T00001	D00008	
	BADARPUR-R&M	20,00,00,000	11.03.2013	T00001	D00008	
Total Allocated Amount		5,00,00,00,000.00				

Statement Giving Details of Project Financed through a Combination of loan

Form 8

TRANCHE NO

BP NO 5050000261 T00001 D00012

Unsecured Loan From SBI-VII		
Source of Loan :	SBI-VII	
Currency :	INR	
Amount of Loan :	1,00,00,00,00,000	
Total Drawn amount :	2,50,00,00,000	
Date of Drawl	22.07.2013	
Interest Type :	Floating	
Fixed Interest Rate :	----------	
Base Rate, If Floating Interest	D00012- 8.25%	
Margin, If Floating Interest :	D00012= 0.25%	
Are there any Caps/ Floor :	Y/N	
Frequency of Intt. Payment	Monthly	
If Above is yes, specify Caps/ Floor :		
Moratorium Period :	4 Years	
Moratorium effective from :	22.07.2013	
Repayment Period (Inc Moratorium) :	12 Years	
Repayment Frequency :	16 Half Yearly Instalments	
Repayment Type :	AVG	
First Repayment Date :	30.09.2015	
Base Exchange Rate :	RUPEE	
Date of Base Exchange Rate :	N.A.	

Project Code	Project Name	Amount			
	BARH-II	67,00,00,000	22.07.2013	T00001	D00012
	FARAKKA-III	35,00,00,000	22.07.2013	T00001	D00012
	SIMHADRI-II	20,00,00,000	22.07.2013	T00001	D00012
	RAMAGUNDAM SOLAR	10,00,00,000	22.07.2013	T00001	D00012
	FGUTPS R&M	14,00,00,000	22.07.2013	T00001	D00012
	VSTPS R&M	28,00,00,000	22.07.2013	T00001	D00012
	RAMAGUNDAM-R&M	18,00,00,000	22.07.2013	T00001	D00012
	KORBA-R&M	17,00,00,000	22.07.2013	T00001	D00012
	KAWAS-R&M	17,00,00,000	22.07.2013	T00001	D00012
	BADARPUR-R&M	14,00,00,000	22.07.2013	T00001	D00012
	TSTPP-R&M	10,00,00,000	22.07.2013	T00001	D00012
Total Allocated Amount		2,50,00,00,000.00			

Statement Giving Details of Project Financed through a Combination of loan

Form 8

TRANCHE NO

BP NO 5050000261 T00001 D00016

Unsecured Loan From SBI-VII		
Source of Loan :	SBI-VII	
Currency :	INR	
Amount of Loan :	1,00,00,00,00,000	
Total Drawn amount :	5,00,00,00,000	
Date of Drawl	01.02.2014	
Interest Type :	Floating	
Fixed Interest Rate :	----------	
Base Rate, If Floating Interest	D00016- 8.25%	
Margin, If Floating Interest :	D00016= 0.25%	
Are there any Caps/ Floor :	Y/N	
Frequency of Intt. Payment	Monthly	
If Above is yes, specify Caps/ Floor :		
Moratorium Period :	4 Years	
Moratorium effective from :	01.02.2014	
Repayment Period (Inc Moratorium) :	12 Years	
Repayment Frequency :	16 Half Yearly Instalments	
Repayment Type :	AVG	
First Repayment Date :	30.09.2015	
Base Exchange Rate :	RUPEE	
Date of Base Exchange Rate :	N.A.	

Project Code	Project Name	Amount		
	MOUDA-I	50,00,00,000	01.02.2014	D00016
	VINDHYACHAL-IV	50,00,00,000	01.02.2014	D00016
	RIHAND-III	65,00,00,000	01.02.2014	D00016
	MOUDA-II	1,80,00,00,000	01.02.2014	D00016
	BARH-II	25,00,00,000	01.02.2014	D00016
	SINGRAULI-R&M	30,00,00,000	01.02.2014	D00016
	RAMAGUNDAM-R&M	15,00,00,000	01.02.2014	D00016
	KORBA-R&M	20,00,00,000	01.02.2014	D00016
	VINDHYACHAL-V	35,00,00,000	01.02.2014	D00016
	KAWAS-R&M	20,00,00,000	01.02.2014	D00016
	BADARPUR-R&M	10,00,00,000	01.02.2014	D00016
Total Allocated Amount		5,00,00,00,000.00		

Statement Giving Details of Project Financed through a Combination of loan

Form 8

TRANCHE NO

BP NO 5050003442 T00001 D0001

Unsecured Loan From SBI-VIII	
Source of Loan :	SBI-VIII
Currency :	INR

Amount of Loan :	1,00,00,00,00,000			
Total Drawn amount :	5,00,00,00,000			
Interest Type :	Floating			
Fixed Interest Rate :	----------			
Base Rate, If Floating Interest	D0001- 8.25%			
Margin, If Floating Interest :	0.15%			
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 :	21.01.2015			
Repayment Period (Inc Moratorium) :	15 Years			
Repayment Frequency :	9 Yearly Installments			
Repayment Type :	AVG			
First Repayment Date :	31.01.2022			
Base Exchange Rate :	RUPEE			
Date of Base Exchange Rate :	N.A.			
Project Code	Project Name	Amount		
	BARH-I	1,00,00,00,000	21.01.2015	D0001
	FARAKKA R&M	25,00,00,000	21.01.2015	D0001
	TSTPP R&M	40,00,00,000	21.01.2015	D0001
	SINGRAULI R&M	40,00,00,000	21.01.2015	D0001
	RAMAGUNDAM R&M	50,00,00,000	21.01.2015	D0001
	KAWAS R&M	60,00,00,000	21.01.2015	D0001
	KORBA R&M	80,00,00,000	21.01.2015	D0001
	GANDHAR R&M	1,25,00,00,000	21.01.2015	D0001
Total Allocated Amount		5,00,00,00,000.00		

TRANCHE NO

BP NO 5050003442 T00001 D00011

Unsecured Loan From SBI-VIII				
Source of Loan :	SBI-VIII			
Currency :	INR			
Amount of Loan :	1,00,00,00,00,000			
Total Drawn amount :	3,00,00,00,000			
Interest Type :	Floating			
Fixed Interest Rate :	----------			
Base Rate, If Floating Interest	D00011- 8.25%			
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 :	6 Years			
Moratorium effective from :	30.10.2015			
Repayment Period (Inc Moratorium) :	15 Years			
Repayment Frequency :	9 Yearly Installments			
Repayment Type :	AVG			
First Repayment Date :	31.01.2022			
Base Exchange Rate :	RUPEE			
Date of Base Exchange Rate :	N.A.			
Project Code	Project Name	Amount		
	BARH-I	31,00,00,000	30.10.2015	D00011
	BONGAIGOAN	30,00,00,000	30.10.2015	D00011
	DARLIPALLI	16,00,00,000	30.10.2015	D00011
	GADARWARA	72,00,00,000	30.10.2015	D00011
	KHARGONE	5,00,00,000	30.10.2015	D00011
	LARA-I	33,00,00,000	30.10.2015	D00011
	MOUDA-II	26,00,00,000	30.10.2015	D00011
	NORTH KARANPURA	8,00,00,000	30.10.2015	D00011
	TANDA-II	15,00,00,000	30.10.2015	D00011
	TAPOVAN VISHNUGARH	21,00,00,000	30.10.2015	D00011
	UNCHAHAR-IV	7,00,00,000	30.10.2015	D00011
	PAKRI BARWADIH	4,00,00,000	30.10.2015	D00011
	CHATTI BARIATU	9,00,00,000	30.10.2015	D00011

	SIMHADRI-II	12,00,00,000	30.10.2015	D00011
	RAMAGUNDAM R&M	11,00,00,000	30.10.2015	D00011
Total Allocated Amount		3,00,00,00,000		

Statement Giving Details of Project Financed through a Combination of loan

Form 8

TRANCHE NO

BP NO 5050003442 T00001 D03018

Unsecured Loan From SBI-VIII		
Source of Loan :	SBI-VIII	
Currency :	INR	
Amount of Loan :	1,00,00,00,00,000	
Total Drawn amount :	1,50,00,00,000	
Date of Drawl	21.04.2016	
Interest Type :	Floating	
Fixed Interest Rate :	----------	
Base Rate, If Floating Interest	D00018- 8.25%	
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 :	6 Years	
Moratorium effective from :	21.04.2016	
Repayment Period (Inc Moratorium) :	16 Years	
Repayment Frequency :	9 Yearly Installments	
Repayment Type :	AVG	
First Repayment Date :	31.01.2022	
Base Exchange Rate :	RUPEE	
Date of Base Exchange Rate :	N.A.	

Project Code	Project Name	Amount		
	BONGAIGAON	70,00,00,000	21.04.2016	D00018
	UNCHAHAR-IV	5,00,00,000	21.04.2016	D00018
	RAMAGUNDAM R&M	15,00,00,000	21.04.2016	D00018
	TSTPS R&M	21,00,00,000	21.04.2016	D00018
	GANDHAR R&M	8,00,00,000	21.04.2016	D00018
	KORBA R&M	6,00,00,000	21.04.2016	D00018
	DADRI GAS R&M	10,00,00,000	21.04.2016	D00018
	UNCHAHAR R&M	5,00,00,000	21.04.2016	D00018
	BADARPUR R&M	5,00,00,000	21.04.2016	D00018
	KAHALGAON R&M	5,00,00,000	21.04.2016	D00018
Total Allocated Amount		1,50,00,00,000		

Statement Giving Details of Project Financed through a Combination of loan

Form 8

TRANCHE NO

BP NO 5050003661 T00001 D03004

Unsecured Loan From SBI-XI		
Source of Loan :	SBI-XI	
Currency :	INR	
Amount of Loan :	50,00,00,00,000	
Total Drawn amount :	8,00,00,00,000	
Date of Drawal:	22.11.2018	
Interest Type :	Floating	
Fixed Interest Rate :	----------	
Base Rate, If Floating Interest	8.35%	
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 :	22.11.2018	
Repayment Period (Inc Moratorium) :	12 Years	

Repayment Frequency :	9 Yearly Installments		
Repayment Type :	AVG		
First Repayment Date :	01.10.2022		
Base Exchange Rate :	RUPEE		
Date of Base Exchange Rate :	N.A.		
Project Code	Project Name	Amount	
	BARH-I	40,00,00,000	22.11.2018
	TAPOVAN VISHNUGARH	11,00,00,000	22.11.2018
	BONGAIGAON	11,00,00,000	22.11.2018
	SOLAPUR	20,00,00,000	22.11.2018
	LARA-I	50,00,00,000	22.11.2018
	GADARWARA	55,00,00,000	22.11.2018
	NORTH KARANPURA	36,00,00,000	22.11.2018
	DARLIPALLI	40,00,00,000	22.11.2018
	TANDA-II	10,00,00,000	22.11.2018
	KHARGONE	75,00,00,000	22.11.2018
	TELANGANA	75,00,00,000	22.11.2018
	TALAIPALI COAL MINE	7,00,00,000	22.11.2018
	RAMAGUNDAM I & II R&M	36,00,00,000	22.11.2018
	VINDHYACHAL R&M	14,00,00,000	22.11.2018
	FARAKKA R&M	10,00,00,000	22.11.2018
	KAHALGAON R&M	10,00,00,000	22.11.2018
	KHARGONE	2,00,00,00,000	22.11.2018
	TELANGANA	1,00,00,00,000	
Total Allocated Amount		8,00,00,00,000.00	

Statement Giving Details of Project Financed through a Combination of loan

Form 8

TRANCHE NO

BP NO 5050000561 T00001 D00005

Unsecured Loan From SBI-XI			
Source of Loan :	SBI-XI		
Currency :	INR		
Amount of Loan :	50,00,00,00,000		
Total Drawn amount :	5,00,00,00,000		
Date of Drawal:	11.12.2018		
Interest Type :	Floating		
Fixed Interest Rate :	----------		
Base Rate, If Floating Interest	8.35%		
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 :	11.12.2018		
Repayment Period (Inc Moratorium) :	12 Years		
Repayment Frequency :	9 Yearly Installments		
Repayment Type :	AVG		
First Repayment Date :	01.10.2022		
Base Exchange Rate :	RUPEE		
Date of Base Exchange Rate :	N.A.		
Project Code	Project Name	Amount	
	BARH-I	6,00,00,000	11.12.2018
	TAPOVAN VISHNUGARH	7,00,00,000	11.12.2018
	SOLAPUR	12,00,00,000	11.12.2018
	LARA-I	40,00,00,000	11.12.2018
	GADARWARA	75,00,00,000	11.12.2018
	NORTH KARANPURA	10,00,00,000	11.12.2018
	DARLIPALLI	80,00,00,000	11.12.2018
	TANDA-II	30,00,00,000	11.12.2018
	KHARGONE	1,00,00,00,000	11.12.2018
	TELANGANA	1,20,00,00,000	11.12.2018
	SINGRAULI R&M	20,00,00,000	11.12.2018
	RAMAGUNDAM R&M	20,00,00,000	11.12.2018
Total Allocated Amount		5,00,00,00,000.00	

Statement Giving Details of Project Financed through a Combination of loan

Form 8

BP NO 5050000752	TRANCHE NO T00001	D00006
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 :	5,00,00,00,000	
Date of Drawl	08.04.2020	
Interest Type :	Floating	
Fixed Interest Rate :		
Base Rate, If Floating Interest	7.45%	
Margin, If Floating Interset :	-	
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 :	08.04.2020	
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			
	BARH-I	70,00,00,000	08.04.2020	D00006	
	GADARWARA	60,00,00,000	08.04.2020	D00006	
	DARLIPALLI	20,00,00,000	08.04.2020	D00006	
	KHARGONE	20,00,00,000	08.04.2020	D00006	
	BARAUNI-II	40,00,00,000	08.04.2020	D00006	TRANSFERRED TO NORTH KARANPURA 1/3/2021
	BILHAUR SOLAR 85MW	30,00,00,000	08.04.2020	D00006	
	AURAIYA SOLAR 20MW	5,00,00,000	08.04.2020	D00006	
	AURAIYA SOLAR FS 20MW	5,00,00,000	08.04.2020	D00006	
	SIMHADRI FLOATING	5,00,00,000	08.04.2020	D00006	
	SINGRAULI R&M	48,00,00,000	08.04.2020	D00006	
	KORBA R&M	32,00,00,000	08.04.2020	D00006	
	RAMAGUNDAM I & II R&M	45,00,00,000	08.04.2020	D00006	
	VINDHYACHAL R&M	40,00,00,000	08.04.2020	D00006	
	FARAKKA R&M	26,00,00,000	08.04.2020	D00006	
	RIHAND R&M	35,00,00,000	08.04.2020	D00006	
	DADRI GAS R&M	6,00,00,000	08.04.2020	D00006	
	TSTPP R&M	5,00,00,000	08.04.2020	D00006	
	NCTPP R&M	5,00,00,000	08.04.2020	D00006	
	CHATTI BARIATU CMB	5,00,00,000	08.04.2020	D00006	
Total Allocated Amount		5,00,00,00,000			

Form 8

BP NO 5050000981	TRANCHE NO 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 draw	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	28.09.2020	
	KORBA R&M	20,00,00,000	28.09.2020	
	RAMAGUNDAM I & II R&M	85,00,00,000	28.09.2020	
	TALAIPALI COAL MINE	20,00,00,000	28.09.2020	TRANSFERRED TO LARA I 01.07.2021
	KIRENDARI	15,00,00,000	28.09.2020	
Total Allocated Amount		1,90,00,00,000		

TRANCHE NO

BP NO 5050000981 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 draw	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	18.11.2020	
	BARAUNI-II	25,00,00,000.00	18.11.2020	TRANSFERRED TO RAMMAM 10,00,00,000 & TAPOVAN VISHNUGARH 15.00,00,000 01.03.2021
	SOLAPUR	20,00,00,000.00	18.11.2020	
	TTPS R&M	1,00,00,000.00	18.11.2020	TRANSFERRED TO BARH I 01.09.2021
	SINGRAULI R&M	15,00,00,000.00	18.11.2020	
	KORBA R&M	15,00,00,000.00	18.11.2020	
	RAMAGUNDAM I & II R&M	43,50,00,000.00	18.11.2020	
	VINDHYACHAL R&M	18,00,00,000.00	18.11.2020	
	FARAKKA R&M	12,00,00,000.00	18.11.2020	
	UNCHAHAR R&M	16,00,00,000.00	18.11.2020	
	RIHAND R&M	16,00,00,000.00	18.11.2020	
	FARIDABAD R&M	1,50,00,000.00	18.11.2020	
	DADRI GAS R&M	3,00,00,000.00	18.11.2020	
	TSTPP R&M	11,50,00,000.00	18.11.2020	
	KAHALGAON R&M	16,00,00,000.00	18.11.2020	
	SIMHADRI R&M	1,50,00,000.00	18.11.2020	
	CHATTI BARIATU CMB	25,00,00,000.00	18.11.2020	
	TALAIPALI COAL MINE	75,00,00,000.00	18.11.2020	TRANSFERRED TO LARA I 01.07.2021
	KIRENDARI	10,00,00,000.00	18.11.2020	
Total Allocated Amount		5,00,00,00,000		

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	24.11.2021			
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	21.03.2022	5.83%
	RAMMAM	3,00,00,000.00	21.03.2022	5.83%
	TELANGANA	23,00,00,000.00	21.03.2022	5.83%

	LARA	50,00,00,000.00	21.03.2022	5.83%
	GADARWARA	50,00,00,000.00	21.03.2022	5.83%
	DARLIPALLI	77,00,00,000.00	21.03.2022	5.83%
	TANDA-II	65,00,00,000.00	21.03.2022	5.83%
	BARAUNI-II	20,00,00,000.00	21.03.2022	5.83%
	SINGRAULI R&M	15,00,00,000.00	21.03.2022	5.83%
	KORBA R&M	25,00,00,000.00	21.03.2022	5.83%
	RAMAGUNDAM I & II R&M	40,00,00,000.00	21.03.2022	5.83%
	VINDHYACHAL R&M	7,00,00,000.00	21.03.2022	5.83%
	FARAKKA R&M	10,00,00,000.00	21.03.2022	5.83%
	UNCHAHAR R&M	4,00,00,000.00	21.03.2022	5.83%
	RIHAND R&M	15,00,00,000.00	21.03.2022	5.83%
	KAHALGAON R&M	3,00,00,000.00	21.03.2022	5.83%
	CHATTI BARIATU OMB	5,00,00,000.00	21.03.2022	5.83%
	DULANGA COAL MINE	26,00,00,000.00	21.03.2022	5.83%
	TALAIPALI COAL MINE	26,00,00,000.00	21.03.2022	5.83%
	KIRENDARI	3,00,00,000.00	21.03.2022	5.83%
	BARH-II FGD	2,50,00,000.00	21.03.2022	5.83%
	MOUDA-II FGD	6,50,00,000.00	21.03.2022	5.83%
Total Allocated Amount		5,00,00,00,000		

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	15.07.2022	D0001
	NORTH KARANPURA	52,00,00,000.00	15.07.2022	D0001
	DEVIKOT SOLAR-90MW	13,00,00,000.00	15.07.2022	D0001
	SAMBHU KI BHURI SOLAR 250	9,00,00,000.00	15.07.2022	D0001

	FATEHGARH (296MW)	10,00,00,000.00	15.07.2022	D0001
	KAWAS SOLAR 56MW	5,00,00,000.00	15.07.2022	D0001
	BARAUNI II (2X250MW)	8,00,00,000.00	15.07.2022	D0001
	SINGRAULI R&M	20,00,00,000.00	15.07.2022	D0001
	KORBA R&M	20,00,00,000.00	15.07.2022	D0001
	RAMAGUNDAM I & II R&M	20,00,00,000.00	15.07.2022	D0001
	VINDHYACHAL R&M	11,00,00,000.00	15.07.2022	D0001
	FARAKKA R&M	7,00,00,000.00	15.07.2022	D0001
	CHATTI BARIATU CMB	10,00,00,000.00	15.07.2022	D0001
	TALAIPALI COAL MINE	13,00,00,000.00	15.07.2022	D0001
	KIRENDARI	4,00,00,000.00	15.07.2022	D0001
Total Allocated Amount		2,16,42,00,000.00		

Statement Giving Details of Project Financed through a Combination of loan

Form 8

BP NO 50500001041	TRANCHE NO T00001	D00000
Unsecured Loan From Bank Of India-IV		

Source of Loan :	Bank Of India-IV	
Currency :	INR	
Amount of Loan :	22000000000	
Total Drawn amount :	1,94,00,00,000	
Date of Drawal :	30-03-2023	
Interest Type :	Floating	
Fixed Interest Rate :		
Base Rate, if Floating Interest	8.15%	
Margin, if Floating Interest :	NIL	
Are there any Caps/ Floor :	Y/N	
Frequency of Intl. 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	
	NCTPP R&M	50000000	30-03-2023
	DADRI GAS R&M	60000000	30-03-2023
	SIMHADRI FLOATING	50000000	30-03-2023
	RIHAND-R&M	350000000	30-03-2023
	KORBA-R&M	320000000	30-03-2023
	VSTPS R&M	400000000	30-03-2023
	FSTPS R&M	250000000	30-03-2023
	RAMAGUNDAM-R&M	450000000	30-03-2023

Total Allocated Amount	1,84,00,00,000

Statement Giving Details of Project Financed through a Combination of loan

Form 8

BP NO 5050000791	TRANCHE NO T00001	D00002
Unsecured Loan From HDFC Bank Ltd. VII		
Source of Loan :	HDFC Bank Ltd. VII	
Currency :	INR	
Amount of Loan :	25,00,00,00,000	
Total Drawn amount :	5,00,00,00,000	
Date of drawl	21.06.2019	
Interest Type :	Floating	
Fixed Interest Rate :		
Base Rate, If Floating Interest	8.40%	
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 :	21.06.2019	
Repayment Period (Inc Moratorium) :	15 Years	
Repayment Frequency :	9 Yearly Instalment	
Repayment Type :	AVG	
First Resayment Date :	11.06.2026	
Base Exchange Rate :	RUPEE	
Date of Base Exchange Rate :	N.A.	

Project Code	Project Name	Amount			
	NCPS-FGD	10,00,00,000	21.06.2019	T00001	D00002
	FSTPS R&M	13,00,00,000	21.06.2019	T00001	D00002
	KORBA-R&M	13,00,00,000	21.06.2019	T00001	D00002
	SOLAPUR	53,00,00,000	21.06.2019	T00001	D00002
	MOUDA-II	53,00,00,000	21.06.2019	T00001	D00002
	TELANGANA	30,00,00,000	21.06.2019	T00001	D00002
	Singrauli-R&M	30,00,00,000	21.06.2019	T00001	D00002
	Simhadri-R&M	15,00,00,000	21.06.2019	T00001	D00002
	Korba-R&M	13,00,00,000	21.06.2019	T00001	D00002
	Ramagundam-R&M	13,00,00,000	21.06.2019	T00001	D00002
	VSTPS R&M	13,00,00,000	21.06.2019	T00001	D00002
	TANDA-II	30,00,00,000	21.06.2019	T00001	D00002
	DARLIPALLI	33,00,00,000	21.06.2019	T00001	D00002
	NORTH KARANPURA	33,00,00,000	21.06.2019	T00001	D00002
	GADARWARA	43,00,00,000	21.06.2019	T00001	D00002
	LARA-I	15,00,00,000	21.06.2019	T00001	D00002
	BARH-I	1,20,00,00,000	21.06.2019	T00001	D00002
Total Allocated Amount		5,00,00,00,000			

Statement Giving Details of Project Financed through a Combination of loan

Form 8

TRANCHE NO

BP NO 5050000791 T00001 D00003

Unsecured Loan From HDFC Bank Ltd. VII		
Source of Loan :	HDFC Bank Ltd. VII	
Currency :	INR	
Amount of Loan :	25,00,00,00,000	
Total Drawn amount :	1,70,00,00,000	
Date of draw	01.01.2020	
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 :	6 Years	
Moratorium effective from :	01.01.2020	
Repayment Period (Inc Moratorium) :	15 Years	
Repayment Frequency :	9 Yearly Instalment	
Repayment Type :	AVG	
First Repayment Date :	11.06.2026	
Base Exchange Rate :	RUPEE	
Date of Base Exchange Rate :	N.A.	
Project Code	Project Name	Amount
	KORBA R&M	20,00,00,000
	RAMAGUNDAM R&M	40,00,00,000
	VINDHYACHAL R&M	40,00,00,000
	FARAKKA R&M	30,00,00,000
	UNCHAHAR R&M	10,00,00,000
	RIHAND R&M	10,00,00,000
	TSTPP R&M	10,00,00,000
	KAHALGAON R&M	10,00,00,000
Total Allocated Amount		1,70,00,00,000

01.01.2020	T00001	D00003		
01.01.2020	T00001	D00003		
01.01.2020	T00001	D00003		
01.01.2020	T00001	D00003		
01.01.2020	T00001	D00003		
01.01.2020	T00001	D00003		
01.01.2020	T00001	D00003		
01.01.2020	T00001	D00003		

Form 8

TRANCHE NO

BP NO 5050001151 T00001 D00004

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 draw	12.05.2022	
Interest Type :	Floating	
Fixed Interest Rate :		
Base Rate, If Floating Interest	6.83%	
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	33,00,00,000.00	12.05.2022	5.83%
	KAYAKULAM FLOATING	40,00,00,000.00	12.05.2022	5.83%
	AURAIYA SOLAR FS 20	5,00,00,000.00	12.05.2022	5.83%
	JETSAR SOLAR	10,00,00,000.00	12.05.2022	5.83%
	DEVIKOT SOLAR	5,00,00,000.00	12.05.2022	5.83%
	DEVIKOT SOLAR-90MW	20,00,00,000.00	12.05.2022	5.83%
	NOKHRA SOLAR	1,00,00,00,000.00	12.05.2022	5.83%
	ETTAYAPURAM SOLAR	5,50,00,000.00	12.05.2022	5.83%
	RIHAND-SOLAR	1,00,00,000.00	12.05.2022	5.83%
	KAWAS SOLAR	5,00,00,000.00	12.05.2022	5.83%
	ANTA SOLAR	8,50,00,000.00	12.05.2022	5.83%
	SOLAPUR SOLAR	5,00,00,000.00	12.05.2022	5.83%
	NOKH SOLAR PLOT-I (245MW)	33,00,00,000.00	12.05.2022	5.83%
	NOKH SOLAR PLOT-III (245M	39,00,00,000.00	12.05.2022	5.83%
	SINGRAULI-R&M	13,00,00,000.00	12.05.2022	5.83%
	KORBA-R&M	10,00,00,000.00	12.05.2022	5.83%
	RAMAGUNDAM-R&M	37,00,00,000.00	12.05.2022	5.83%
	VSTPS R&M	9,00,00,000.00	12.05.2022	5.83%
	FSTPS R&M	20,00,00,000.00	12.05.2022	5.83%
	RIHAND-R&M	20,00,00,000.00	12.05.2022	5.83%
	FARIDABAD R&M	5,00,00,000.00	12.05.2022	5.83%
	TSTPP R&M	10,00,00,000.00	12.05.2022	5.83%
	KAHALGAON(R&M)	10,00,00,000.00	12.05.2022	5.83%
	NCPS-STAGE-I-DSI	56,00,00,000.00	12.05.2022	5.83%
Total Allocated Amount		5,00,00,00,000		

Statement Giving Details of Project Financed through a Combination of loan

Form 8

TRANCHE NO

BP NO 80600001042	T00001	D00002
Unsecured Loan From ICICI-VII		
Source of Loan :	ICICI-VII	
Currency :	INR	
Amount of Loan :	25,00,00,00,000	
Total Drawn amount :	9,77,21,00,000	
Date of Drawal	05.03.2021	
Interest Type :	Floating	
Fixed Interest Rate :		
Base Rate, If Floating Interest	6.00%	
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 :	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		
	THDC	5,06,81,00,000.00	05.03.2021	Transferred on 24.11.2021
	NEEPCO	2,70,40,00,000.00	05.03.2021	Transferred on 24.11.2021
	BILHAUR SOLAR 140MW	25,00,00,000.00	05.03.2021	
	BILHAUR SOLAR 85MW	4,00,00,000.00	05.03.2021	
	AURAIYA SOLAR 20MW	16,00,00,000.00	05.03.2021	
	JETSAR SOLAR	5,00,00,000.00	05.03.2021	
	DEVIKOT SOLAR	23,00,00,000.00	05.03.2021	
	SAMBHU KI BHURJI	47,00,00,000.00	05.03.2021	
	KORBA-R&M	5,00,00,000.00	05.03.2021	
	RAMAGUNDAM-R&M	10,00,00,000.00	05.03.2021	
	VSTPS R&M	20,00,00,000.00	05.03.2021	
	CHATTI BARIATU	20,00,00,000.00	05.03.2021	
	DULANGA CMB	5,00,00,000.00	05.03.2021	
	TALAIPALI	20,00,00,000.00	05.03.2021	Transferred to Lara-I on 1/7/2021
Total Allocated Amount		9,77,21,00,000.00		

Statement Giving Details of Project Financed through a Combination of loan

Form 8

TRANCHE NO

BP NO 5050000881	T00001	D00001		
	Unsecured Loan From SBI-XIII			
Source of Loan :	SBI-XIII			
Currency :	INR			
Amount of Loan :	50,00,00,00,000			
Total Drawn amount :	2,00,00,00,000			
Date of Drawal :	24.03.2020			
Interest Type :	Floating			
Fixed Interest Rate :	----------			
Base Rate, If Floating Interest	7.45%			
Margin, If Floating Interest :	NIL			
Are there any Caps/ Floor :	Y/N			
Frequency of Init. Payment	Monthly			
If Above is yes, specify Caps/ Floor :				
Moratorium Period :	4 Years			
Moratorium effective from :	24.03.2020			
Repayment Period (Inc Moratorium) :	15 Years			
Repayment Frequency :	12 Yearly Instalments			
Repayment Type :	AVG			
First Repayment Date :	24.03.2024			
Base Exchange Rate :	RUPEE			
Date of Base Exchange Rate :	N.A.			
Project Code	Project Name	Amount		
	BILHAUR SOLAR 140MW	25,00,00,000.00	24.03.2020	7.45%

	BILHAUR SOLAR 85MW	4,00,00,000.00	24.03.2020	7.45%
	AURAIYA SOLAR 20MW	16,00,00,000.00	24.03.2020	7.45%
	JETSAR SOLAR	5,00,00,000.00	24.03.2020	7.45%
	DEVIKOT SOLAR	23,00,00,000.00	24.03.2020	7.45%
	SAMBHU KI BHURJ SOLAR	47,00,00,000.00	24.03.2020	7.45%
	KORBA R&M	5,00,00,000.00	24.03.2020	7.45%
	RAMAGUNDAM R&M	10,00,00,000.00	24.03.2020	7.45%
	VINDHYACHAL R&M	20,00,00,000.00	24.03.2020	7.45%
	CHATTI BARIATU CMB	20,00,00,000.00	24.03.2020	7.45%
	DULANGA COAL MINE	5,00,00,000.00	24.03.2020	7.45%
	TALAIPALI COAL MINE	20,00,00,000.00	24.03.2020	7.45%
Total Allocated Amount		**2,00,00,00,000.00**		

Particulars				
Source of Loan - Bonds Series	**73**	**74**	**75**	**78**
Currency	INR	INR	INR	INR
Amount of Loan sanctioned (In Lakh)	2,50,000	3,99,600	3,00,000	2,00,000
Amount of Gross Loan drawn upto COD (In Lakh)	2,50,000	3,99,600	3,00,000	2,00,000
Interest Type	Fixed	Fixed	Fixed	Fixed
Fixed Interest Rate, if applicable	6.43%	6.87%	6.69%	7.44%
Base Rate, if Floating Interest	N/A	N/A	N/A	N/A
Margin, if Floating Interest	N/A	N/A	N/A	N/A
Are there any Caps/Floor	No	No	No	No
If above is yes,specify caps/floor	N/A	N/A	N/A	N/A
Moratorium Period (In Years)	10	15 Years and 1 day	10	10
Moratorium effective from*	27-01-2021	20-04-2021	13-09-2021	25-08-2022
Repayment Period	Bullet Repayment	Bullet Repayment	Bullet Repayment	Bullet Repayment
Repayment effective from	27-01-2031	21-04-2036	13-09-2031	25-08-2032
Repayment Frequency	Bullet Repayment	Bullet Repayment	Bullet Repayment	Bullet Repayment
Repayment Instalment (In Lakh)	2,50,000	3,99,600	3,00,000	2,00,000
Base Exchange Rate	N/A	N/A	N/A	N/A
Door to Door Maturity (In Years)	10	15 Years and 1 day	10	10

Name of the Projects	73	74	75	78
Ramagundam I & II R&M	4,200.00	3,300.00	8,985.00	1,800.00
	2,50,000.00	3,99,600.00	3,00,000.00	2,00,000.00
	-	-	-	-

n of corporate loans to various projects during the FY 2014-19

Particulars	54	58	61
Series	54	58	61
Source of Loan	BONDS	BONDS	BONDS
Currency	INR	INR	INR
Amount of Loan sanctioned	1030683	30000	107250
Interest Type	Fixed	Fixed	Fixed
Fixed Interest Rate, if applicable	8.49%	8.18%	8.10%
Base Rate, if Floating Interest	N/A	N/A	N/A
Margin, if Floating Interest	N/A	N/A	N/A
Are there any Caps/Floor	No	No	No
If above is yes,specify caps/floor	N/A	N/A	N/A
Moratorium Period	6	5	5
Moratorium effective from	25-03-2015	31-12-2015	27-05-2016
Repayment Period1	Installments Due on 25/03/2023, 25/03/2024 & 25/03/2025	Bullet Repayment	Installments Due on 27/05/2021, 27/05/2026 & 27/05/2031
Repayment effective from	25-03-2023	31-12-2020	27-05-2021
Repayment Frequency	Installments Due on 25/03/2023, 25/03/2024 & 25/03/2025	Bullet Repayment	Installments Due on 27/05/2021, 27/05/2026 & 27/05/2031
Repayment Instalment	Installments 1st - 206,136.61 2nd - 412,273.22 3rd - 412,273.22	30000	Installments 1st - 35,750.00 2nd - 35,750.00 3rd - 35,750.00
Base Exchange Rate	N/A	N/A	N/A
Door to Door Maturity	10	5	15

n of corporate loans to various projects during the FY 2014-19

Name of the Projects				total
Ramagundam I & II R&M	2,400	1,000	500	3,900

Check repayments year in form 13

1	**State Bank of India - XIII**	6.65%	5-Mar-21	**ICICI Bank-VII**	6.30%	**100000000.00**	0.35%	0.175%
2	Axis Bank II	8.30%	29-03-2023	Bank of India-IV	8.15%	450000000	0.15%	0.075%

PART-1
FORM- 9A
Additional Form

Year wise Statement of Additional Capitalisation after COD

Name of the Petitioner	NTPC Limited
Name of the Generating Station	Ramagundam Super Thermal Power Station Stgae-I&II
COD	01-04-1991
For Financial Year	2024-29 (Summary)

Amount in Rs Lakh

Sl. No.	Head of Work /Equipment	ACE Claimed (Actual / Projected)					Regulations under which claimed	Justification		Admitted Cost by the Commission, if any
		2024-25	2025-26	2026-27	2027-28	2028-29				
1	2	3	4	5	6	7			8	9
A.	**Works eligble for RoE at Normal Rate**									
1	Truck tippler for Biomass pellets handling			40.1			19(3)(h), 26(1)(b) & 26(1)(g)	Please refer Form -9 of respective year		
2	Replacement of old BOBR wagons with new ones				2,023.7		19(3)(e) & 25(2)(b)			
	Sub Total (A)	-	-	**40.1**	**2,023.7**	-				
B.	**Works eligble for RoE other than normal Rate (linked with SBI MCLR)**									
3	Chimney aviation lights			204.8			26(1)(b)	Please refer Form -9 of respective year		
4	Hydrobins sytems					12,459.6	26(1)(b) read with 26(1)(e)			
5	Replacement of Halon system with inert gas system.	564.0					26(1)(b) with 76			
	Sub Total (B)	**564.0**	-	**204.8**	-	**12,459.6**				
Total Add Cap Claimed for Tariff		**564.0**	-	**244.9**	**2,023.7**	**12,459.6**				

(Petitioner)

PART-I
FORM- 9

Year wise Statement of Additional Capitalisation after COD

Name of the Petitioner	NTPC Limited
Name of the Generating Station	Ramagundam Super Thermal Power Station Stgae-I&II
COD	01-04-1991
For Financial Year	2024-25

Amount in Rs Lakhs

Sl. No.	Head of Work /Equipment	ACE Claimed (Actual)				Regulations under which claimed	Justification	Admitted Cost by the Commission, if any
		Accrual basis as per IGAAP	Un-discharged Liability included in col. 3	Cash basis	IDC included in col. 3			
1	2	3	4	5= (3-4)	6	7	8	9
A.	**Works eligble for RoE at Normal Rate**							
	Total (A)	-	-	-	-			
B.	**Works eligble for RoE other than normal Rate (linked with SBI MCLR)**							
1	Replacement of Halon system with inert gas system.	564	-	564.00		26(1)(b) with 76	Hon'ble Commission vide order dtd 05.10.2023 in Petition no. 416/GT/2020 was pleased to allow the projected claim of "Replacement of Halon system with inert gas system" under Regulation 26(1)(b) of Tariff Regulations 2019 during the control period 2019-24. However the said work could not be completed due to reasons beyong the control of petitioner. The same is now projected to be capitalised during 2024-25. The work is being done for meeting the requirement under the Rules framed by Central Government [i.e rules for Ozone Depleting Substances (ODS) (Regulation and Control) Rules, 2000 under the the Environment (Protection) Act 1986] and subsequently incorporated by CEA in its Technical Standards Regulations. Hon'ble Commission may be pleased to allow the capitalisation during 2024-25 under Regulation 26(1)(b) [Change in law/compliance of existing law] with Regulation 102 [Power to relax] of Tariff Regulations, 2024.	
	Total (B)	**564.00**	-	**564.00**				
Total Add. Cap. Claimed (A+B)		**564.00**	-	**564.00**				

(Petitioner)

PART-I
FORM- 9

Year wise Statement of Additional Capitalisation after COD

Name of the Petitioner	NTPC Limited
Name of the Generating Station	Ramagundam Super Thermal Power Station Stgae-I&II
COD	01-04-1991
For Financial Year	2025-26

Amount in Rs Lakhs

Sl. No.	Head of Work /Equipment	ACE Claimed (Actual)				Regulations under which claimed	Justification	Admitted Cost by the Commission, if any
		Accrual basis as per IGAAP	Un-discharged Liability included in col. 3	Cash basis	IDC included in col. 3			
1	2	3	4	5= (3-4)	6	7	8	9
A.	Works eligble for RoE at Normal Rate							
	Total (A)	-	-	-	-			
B.	Works eligble for RoE other than normal Rate (linked with SBI MCLR)							
	Total (B)	-	-	-				
Total Add. Cap. Claimed (A+B)		-	-	-				

(Petitioner)

PART-I
FORM- 9

Year wise Statement of Additional Capitalisation after COD

Name of the Petitioner	NTPC Limited
Name of the Generating Station	Ramagundam Super Thermal Power Station Stgae-I&II
COD	01-04-1991
For Financial Year	2026-27

Amount in Rs Lakhs

Sl. No.	Head of Work /Equipment	ACE Claimed (Actual)				Regulations under which claimed	Justification	Admitted Cost by the Commission, if any
		Accrual basis as per IGAAP	Un-discharged Liability included in col. 3	Cash basis	IDC included in col. 3			
1	2	3	4	5= (3-4)	6	7	8	9
A.	**Works eligble for RoE at Normal Rate**							
1	Truck tippler for Biomass pellets handling	40.1		40.10		19(3)(h), 26(1)(b) & 26(1)(g)	Ministry of Power, Government of India, vide letter No. 11/86/2017-Th11 dated 17.11.2017 has issued the "Policy for Biomass Utilization for Power Generation through Co-firing in Pulverized Coal Fired Boilers" wherein it is envisaged that fluidized bed and pulverized coal units shall endeavour to use 5-10% blend of biomass pellets made, primarily of agro residue along with coal. MoP, GoI policy for Biomass Utilization is attached as Annexure-01. Subsequently, in order to promote co-firing of biomass in thermal power plants, Ministry of New and Renewable Energy (MNRE), Government of India, vide its notification dated 26.9.2019 has clarified that the power generated from co-firing of biomass in thermal power plants is renewable energy and is eligible for meeting non-solar Renewable Purchase Obligation (RPO) and has requested this Commission to formulate and notify the procedure/methodology for quantifying the energy produced from biomass in biomass co-fired thermal power plants in a reliable and accurate manner. Accordingly, Hon'ble CERC vide suo moto order dtd 18.02.2020 in petition no. 12/SM/2019 (Attached as Annexure-02) has formulated Methodology for Estimation of Electricity Generated from Biomass in Biomass Co-fired Thermal Power Plants. Further Hon'ble Commission has provided provision for add cap beyond original scope regarding biomass handling. For using bio mass pellets in the instant generating station, the petitioner is incorporating Truck tippler for Biomass pellets handling in order to allowing use of biomass in the instant generating station. Regulation 19(3) provides for addition in capital cost of an existing project for capital expenditure on account of biomass handling equipment and facilities for co-firing. Further Regulation 26(1)(e) provides for additional capitalisation for the works required towards biomass handling system to enable biomass co-firing. Hon'ble Commission may be pleased to allow the same under Regulation 19(3)(h), 26(1)(b) & 26(1)(g) of Tariff Regulations, 2024.	
	Total (A)	**40.10**	**-**	**40.10**	**-**			

B.	**Works eligble for RoE other than normal Rate (linked with SBI MCLR)**							
2	Chimney aviation lights	204.8		204.80		26(1)(b)	The International Civil Aviation Organisation (ICAO) standards provides for installation of high intensity lights to indicate the presence of an object where the height of such structure (like chimney) is 150m or above height. Such lights to be essential for the reconition of the object by day. The ICAO standards is attached as **Annexure-03**. Hon'ble Commission may be pleased to allow the same under Regulation 26(1)(b) [Change in law/compliance of existing law] of Tariff Regulations, 2024.	
	Total (B)	**204.80**	**-**	**204.80**				
Total Add. Cap. Claimed (A+B)		**244.90**	**-**	**244.90**				
								(Petitioner)

PART-I
FORM- 9

Year wise Statement of Additional Capitalisation after COD

Name of the Petitioner: NTPC Limited
Name of the Generating Station: Ramagundam Super Thermal Power Station Stgae-I&II
COD: 01-04-1991
For Financial Year: 2027-28

Amount in Rs Lakhs

Sl. No.	Head of Work /Equipment	ACE Claimed (Actual)				Regulations under which claimed	Justification	Admitted Cost by the Commission, if any
		Accrual basis as per IGAAP	Un-discharged Liability included in col. 3	Cash basis	IDC included in col. 3			
1	2	3	4	5=(3-4)	6	7	8	9
A.	**Works eligble for RoE at Normal Rate**							
	Replacement of old BOBR wagons ith new ones	2023.7		2,023.70		19(3)(e) & 25(2)(b)	The Existing BOBRN wagons have crossed useful life. Due to frequent requirement of maintenance and unavailability of spares/parts, the maintenance of existing wagons has become difficult and become unviable. Therefore for meeting the coal requirement of the station, the augmentation of railway infrastructure for transportation of coal is required. Further, as per revised codal life of assets dtd 06.06.2022 of Ministry of Railways, GOI, the average life of the BOBRN wagon is 35 years. Indian railway code is attached as Annexure-04. The Hon'ble Commission may be pleased to allow the same under Regulation 19(3)(e) [Railway infrastructure & augmentation] and Regulation 25(2)(b) [Replacement on account of change in law].	
	Total (A)	2,023.70	-	2,023.70	-			
B.	**Works eligble for RoE other than normal Rate (linked with SBI MCLR)**							
	Total (B)	-	-	-				
Total Add. Cap. Claimed (A+B)		2,023.70	-	2,023.70				

(Petitioner)

PART-I
FORM- 9

Year wise Statement of Additional Capitalisation after COD

Name of the Petitioner: NTPC Limited
Name of the Generating Station: Ramagundam Super Thermal Power Station Stgae-I&II
COD: 01-04-1991
For Financial Year: 2028-29

Amount in Rs Lakhs

Sl. No.	Head of Work /Equipment	ACE Claimed (Actual)				Regulations under which claimed	Justification	Admitted Cost by the Commission, if any
		Accrual basis as per IGAAP	Un-discharged Liability included in col. 3	Cash basis	IDC included in col. 3			
1	2	3	4	5= (3-4)	6	7	8	9
A.	**Works eligble for RoE at Normal Rate**							
	Total (A)	-	-	-	-			
B.	**Works eligble for RoE other than normal Rate (linked with SBI MCLR)**							
1	Hydrobins sytems	12459.6		12459.6		26(1)(b) read with 26(1)(e)	Hydrobins are envisaged for Ash handling system to achieve 100% ash utilisation as per the notification dated 25.01.2016 issued by MoEFCC. Achieving 100% Ash utilisation is statutory requirement from MoEF. Even mine void filling is contributing a considerable portion in ash utilisation. Hydrobins will provide the prescribed quality of bottom ash having 1% particles of less than 53 microns as prescribed by Directorate General of Mines Safety throughout the year on continuous basis. This will help in sustainable utilization of bottom ash from the station of prescribed quality for mine void filling and also achieve the utilization of ash up to the extent of 100%. This will also help in reducing environment problems posed from ash and also the ash pumping cost to ash pond will also get reduced. Ash slurry from existing bottom ash transfer (BAT) pump discharge lines will be further boosted and will be collected in Hydro bins. The booster ash slurry pumps will be installed in series with existing BAT pumps for this purpose. Cast basalt lined pipelines from Booster ash slurry pump to Hydro bins will be laid over trestle. Decanted water from Hydro bins will be recycled to Effluent treatment plant. Open trucks can be placed directly below the Hydro bins for loading of bottom ash. This Ash will get transported by Rail or Road for mine void filling thus improving the Ash Utilization. Relevant supporting documents are attached at **Annexure-05**. Hon'ble Commission vide order dtd 25.9.21 has allowed add cap of Hydrobins under Reg 26(1)(b) [change in law] of Tariff Regulations, 2019 in another station of petitioner. Hon'ble Commission may be pleased to allow the same for the instant station.	
	Total (B)	**12459.6**	**0.0**	**12459.6**				
Total Add. Cap. Claimed (A+B)		**12459.6**	**0.0**	**12459.6**				

(Petitioner)

PART-I
FORM- 10

Name of the Petitioner	**NTPC Limited**
Name of the Generating Station	**Ramagundam Super Thermal Power Station Stgae-I&II**
Date of Commercial Operation	**01-04-1991**

Amount in Rs Lakh

Financial Year	Actual					Admitted				
	2024-25	**2025-26**	**2026-27**	**2027-28**	**2028-29**	**2024-25**	**2025-26**	**2026-27**	**2027-28**	**2028-29**
1		3	4	5	6	7	8	9	10	11
Amount capitalised in Work/ Equipment										
Financing Details	**Add cap is proposed to be finance in Debt:Equity ratio of 70:30**									
Loan-1										
Loan-2										
Loan-3 an										
Total Loa										
Equity Internal										
Others (Pl										
Total										

(Petitioner)

PART-I
FORM- 12

Statement of Depreciation

Name of the Company : NTPC Limited
Name of the Power Station : Ramagundam Super Thermal Power Station Stgae-I&II

(Amount in Rs Lakh)

S. No.	Particulars	Existing 2023-24	2024-25	2025-26	2026-27	2027-28	2028-29
1	2	3	4	5	6	7	8
	A. FOR EXISTING ASSETS						
1	Opening Capital Cost	2,26,993.06	2,30,601.87	2,30,601.87	2,30,601.87	2,30,601.87	2,30,601.87
2	Closing Capital Cost	2,30,601.87	2,30,601.87	2,30,601.87	2,30,601.87	2,30,601.87	2,30,601.87
3	Average Capital Cost	2,28,797.47	2,30,601.87	2,30,601.87	2,30,601.87	2,30,601.87	2,30,601.87
1a	*Cost of IT Equipments & Software included in (1) above	1,013.88	1,105.06	1,105.06	1,105.06	1,105.06	1,105.06
2a	*Cost of IT Equipments & Software included in (2) above	1,105.06	1,105.06	1,105.06	1,105.06	1,105.06	1,105.06
3a	*Average Cost of IT Equipments & Software	1,059.47	1,105.06	1,105.06	1,105.06	1,105.06	1,105.06
4	Freehold land	2,641.27	2,641.27	2,641.27	2,641.27	2,641.27	2,641.27
5	Rate of depreciation	-	5.28	-	-	-	-
6	Depreciable value	2,03,646.52	2,05,275.05	2,05,275.05	2,05,275.05	2,05,275.05	2,05,275.05
7	Balance useful life at the beginning of the period	-	-	-	-	-	-
8	Remaining depreciable value	6,316.65	3,678.13	-	-	-	-
9	Depreciation (for the period)	6,316.65	3,678.13	-	-	-	-
10	**Depreciation (annualised)**	**6,316.65**	**3,678.13**	**-**	**-**	**-**	**-**
11	Cumulative depreciation at the end of the period	2,03,646.52	2,05,275.05	2,05,275.05	2,05,275.05	2,05,275.05	2,05,275.05
12	Less: Cumulative depreciation adjustment on account of un-discharged liabilities deducted as on 01.04.2009	-	-	-	-	-	-
14	Less: Cumulative depreciation adjustment on account of de-capitalisation	2,049.60	-	-	-	-	-
15	Net Cumulative depreciation at the end of the period after adjustments	2,01,596.92	2,05,275.05	2,05,275.05	2,05,275.05	2,05,275.05	2,05,275.05
	* Cost of IT Equipments & Software will be provided at the time of truing up						
	B. For New Assets (proposed in 2024-29 period)						
16	Opening capital cost		-	564.00	564.00	808.90	2,832.60
17	Additional capital expenditure		564.00	-	244.90	2,023.70	12,459.60
18	Closing capital cost		564.00	564.00	808.90	2,832.60	15,292.20
19	Average capital cost		282.00	564.00	686.45	1,820.75	9,062.40
20	Freehold land						
21	Depreciable Value		253.80	507.60	617.81	1,638.68	8,156.16

22	Cumulative depreciation at the beginning of the year		-	253.80	507.60	617.81	1,638.68
23	Balance depreciable value		253.80	253.80	110.21	1,020.87	6,517.49
24	Balance useful life at the beginning of the year		1.00	1.00	1.00	1.00	1.00
25	Depreciation Rate						
26	**Depreciation for the year**		**253.80**	**253.80**	**110.21**	**1,020.87**	**6,517.49**
27	Cu. depreciation adjustment on account of de-capitalisation						
28	Cu. Depreciation at end of the year		253.80	507.60	617.81	1,638.68	8,156.16
	C. For total Assets (A+B)						
29	Opening capital cost		2,30,601.87	2,31,165.87	2,31,165.87	2,31,410.77	2,33,434.47
30	Additional capital expenditure		564.00	-	244.90	2,023.70	12,459.60
31	Closing capital cost		2,31,165.87	2,31,165.87	2,31,410.77	2,33,434.47	2,45,894.07
32	Average capital cost		2,30,883.87	2,31,165.87	2,31,288.32	2,32,422.62	2,39,664.27
33	Freehold land		2,641.27	2,641.27	2,641.27	2,641.27	2,641.27
34	Depreciable Value		2,05,528.85	2,05,782.65	2,05,892.86	2,06,913.73	2,13,431.21
35	Cumulative depreciation at the beginning of the year		2,01,596.92	2,05,528.85	2,05,782.65	2,05,892.86	2,06,913.73
36	Balance depreciable value		3,931.93	253.80	110.21	1,020.87	6,517.49
37	Balance operational life at the beginning of the year		1.00	1.00	1.00	1.00	1.00
38	Depreciation Rate						
39	**Depreciation for the year**		**3,931.93**	**253.80**	**110.21**	**1,020.87**	**6,517.49**
40	Cu. depreciation adjustment on account of de-capitalisation						
41	Cu. Depreciation at end of the year		2,05,528.85	2,05,782.65	2,05,892.86	2,06,913.73	2,13,431.21
							(Petitioner)

Calculation of Interest on Actual Loans				FORM-13			
Name of the Company	NTPC Limited						
Name of the Power Station	Ramagundam I&II						
					(Amount in lacs)		
Particulars	2024-25	2025-26	2026-27	2027-28	2028-29		
SBI VIII D-1							
Gross loan - Opening	5000.00	5000.00	5000.00	5000.00	5000.00		
Cumulative repayments of Loans upto previous year	1666.67	2222.22	2777.78	3333.33	3888.89		
Net loan - Opening	3333.33	2777.78	2222.22	1666.67	1111.11		
Addition							
Repayments of Loans	555.56	555.56	555.56	555.56	555.56		
Net loan - Closing	2777.78	2222.22	1666.67	1111.11	555.56		
Average Net Loan	3055.56	2500.00	1944.44	1388.89	833.33		
Rate of Interest	8.2000%	8.2000%	8.2000%	8.2000%	8.2000%		
Interest on loan	250.56	205.00	159.44	113.89	68.33		
SBI VIII D-11							
Gross loan - Opening	1100.00	1100.00	1100.00	1100.00	1100.00		
Cumulative repayments of Loans upto previous year	366.67	488.89	611.11	733.33	855.56		
Net loan - Opening	733.33	611.11	488.89	366.67	244.44		
Addition	0.00	0.00	0.00	0.00	0.00		
Repayments of Loans	122.22	122.22	122.22	122.22	122.22		
Net loan - Closing	611.11	488.89	366.67	244.44	122.22		
Average Net Loan	672.22	550.00	427.78	305.56	183.33		
Rate of Interest	8.2000%	8.2000%	8.2000%	8.2000%	8.2000%		
Interest on loan	55.12	45.10	35.08	25.06	15.03		
SBI VIII D-18							
Gross loan - Opening	1500.00	1500.00	1500.00	1500.00	1500.00		
Cumulative repayments of Loans upto previous year	500.00	666.67	833.33	1000.00	1166.67		
Net loan - Opening	1000.00	833.33	666.67	500.00	333.33		
Addition	0.00	0.00	0.00	0.00	0.00		
Repayments of Loans	166.67	166.67	166.67	166.67	166.67		
Net loan - Closing	833.33	666.67	500.00	333.33	166.67		
Average Net Loan	916.67	750.00	583.33	416.67	250.00		
Rate of Interest	8.2000%	8.2000%	8.2000%	8.2000%	8.2000%		
Interest on loan	75.17	61.50	47.83	34.17	20.50		
SBI XI D-4							
Gross loan - Opening	3600.00	3600.00	3600.00	3600.00	3600.00		
Cumulative repayments of Loans upto previous year	800.00	1200.00	1600.00	2000.00	2400.00		
Net loan - Opening	2800.00	2400.00	2000.00	1600.00	1200.00		
Addition	-	-	-	-	-		
Repayments of Loans	400.00	400.00	400.00	400.00	400.00		
Net loan - Closing	2400.00	2000.00	1600.00	1200.00	800.00		
Average Net Loan	2600.00	2200.00	1800.00	1400.00	1000.00		
Rate of Interest	8.2000%	8.2000%	8.2000%	8.2000%	8.2000%		
Interest on loan	213.20	180.40	147.60	114.80	82.00		
SBI XI D-5							

Gross loan - Opening	2000.00	2000.00	2000.00	2000.00	2000.00		
Cumulative repayments of Loans upto previous year	444.44	666.67	888.89	1111.11	1333.33		
Net loan - Opening	1555.56	1333.33	1111.11	888.89	666.67		
Addition	-	-	-	-	-		
Repayments of Loans	222.22	222.22	222.22	222.22	222.22		
Net loan - Closing	1333.33	1111.11	888.89	666.67	444.44		
Average Net Loan	1444.44	1222.22	1000.00	777.78	555.56		
Rate of Interest	8.2000%	8.2000%	8.2000%	8.2000%	8.2000%		
Interest on loan	118.44	100.22	82.00	63.78	45.56		
SBI IX D-9							
Gross loan - Opening	2500.00	2500.00	2500.00	2500.00	2500.00		
Cumulative repayments of Loans upto previous year	1111.11	1388.89	1666.67	1944.44	2222.22		
Net loan - Opening	1388.89	1111.11	833.33	555.56	277.78		
Addition	-	-	-	-	-		
Repayments of Loans	277.78	277.78	277.78	277.78	277.78		
Net loan - Closing	1111.11	833.33	555.56	277.78	0.00		
Average Net Loan	1250.00	972.22	694.44	416.67	138.89		
Rate of Interest	8.2000%	8.2000%	8.2000%	8.2000%	8.2000%		
Interest on loan	102.50	79.72	56.94	34.17	11.39		
PNB-III D-3							
Gross loan - Opening	4000.00	4000.00	4000.00	4000.00	4000.00		
Cumulative repayments of Loans upto previous year	1333.33	1777.78	2222.22	2666.67	3111.11		
Net loan - Opening	2666.67	2222.22	1777.78	1333.33	888.89		
Addition	0.00	0.00	0.00	0.00	0.00		
Repayments of Loans	444.44	444.44	444.44	444.44	444.44		
Net loan - Closing	2222.22	1777.78	1333.33	888.89	444.44		
Average Net Loan	2444.44	2000.00	1555.56	1111.11	666.67		
Rate of Interest	7.9000%	7.9000%	7.9000%	7.9000%	7.9000%		
Interest on loan	193.11	158.00	122.89	87.78	52.67		
PNB-III D-4							
Gross loan - Opening	10000.00	10000.00	10000.00	10000.00	10000.00		
Cumulative repayments of Loans upto previous year	3333.33	4444.44	5555.56	6666.67	7777.78		
Net loan - Opening	6666.67	5555.56	4444.44	3333.33	2222.22		
Addition	0.00	0.00	0.00	0.00	0.00		
Repayments of Loans	1111.11	1111.11	1111.11	1111.11	1111.11		
Net loan - Closing	5555.56	4444.44	3333.33	2222.22	1111.11		
Average Net Loan	6111.11	5000.00	3888.89	2777.78	1666.67		
Rate of Interest	7.9000%	7.9000%	7.9000%	7.9000%	7.9000%		
Interest on loan	482.78	395.00	307.22	219.44	131.67		
HDFC VI D-1							
Gross loan - Opening	10000.00	10000.00	10000.00	10000.00	10000.00		
Cumulative repayments of Loans upto previous year	0.00	0.00	1111.11	2222.22	3333.33		
Net loan - Opening	10000.00	10000.00	8888.89	7777.78	6666.67		
Addition	0.00	0.00	0.00	0.00	0.00		
Repayments of Loans	0.00	1111.11	1111.11	1111.11	1111.11		
Net loan - Closing	10000.00	8888.89	7777.78	6666.67	5555.56		
Average Net Loan	10000.00	9444.44	8333.33	7222.22	6111.11		
Rate of Interest	7.9500%	7.9500%	7.9500%	7.9500%	7.9500%		
Interest on loan	795.00	750.83	662.50	574.17	485.83		

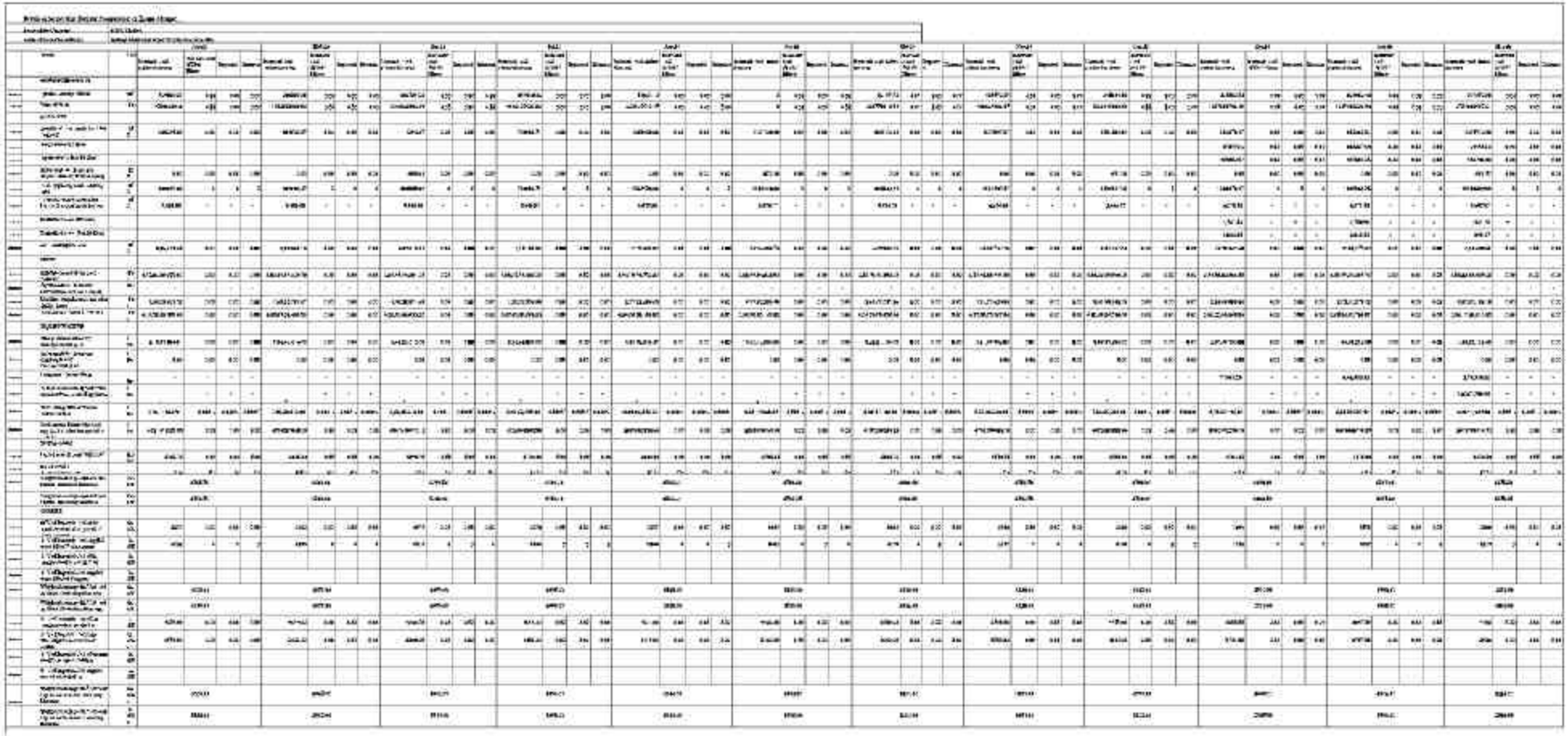
HDFC IV D-4							
Gross loan - Opening	22000.00	22000.00	22000.00	22000.00	22000.00		
Cumulative repayments of Loans upto previous year	7333.33	9777.78	12222.22	14666.67	17111.11		
Net loan - Opening	14666.67	12222.22	9777.78	7333.33	4888.89		
Addition	0.00	0.00	0.00	0.00	0.00		
Repayments of Loans	2444.44	2444.44	2444.44	2444.44	2444.44		
Net loan - Closing	12222.22	9777.78	7333.33	4888.89	2444.44		
Average Net Loan	13444.44	11000.00	8555.56	6111.11	3666.67		
Rate of Interest	7.9500%	7.9500%	7.9500%	7.9500%	7.9500%		
Interest on loan	1068.83	874.50	680.17	485.83	291.50		
IndusInd Bank							
Gross loan - Opening	2000.00	2000.00	2000.00	2000.00	2000.00		
Cumulative repayments of Loans upto previous year	0.00	0.00	0.00	222.22	444.44		
Net loan - Opening	2000.00	2000.00	2000.00	1777.78	1555.56		
Addition	0.00	0.00	0.00	0.00	0.00		
Repayments of Loans	0.00	0.00	222.22	222.22	222.22		
Net loan - Closing	2000.00	2000.00	1777.78	1555.56	1333.33		
Average Net Loan	2000.00	2000.00	1888.89	1666.67	1444.44		
Rate of Interest	8.0500%	8.0500%	8.0500%	8.0500%	8.0500%		
Interest on loan	161.00	161.00	152.06	134.17	116.28		
HDFC Bank Limited-IX D-5							
Gross loan - Opening	8500.00	8500.00	8500.00	8500.00	8500.00		
Cumulative repayments of Loans upto previous year	0.00	708.33	1416.67	2125.00	2833.33		
Net loan - Opening	8500.00	7791.67	7083.33	6375.00	5666.67		
Addition	0.00	0.00	0.00	0.00	0.00		
Repayments of Loans	708.33	708.33	708.33	708.33	708.33		
Net loan - Closing	7791.67	7083.33	6375.00	5666.67	4958.33		
Average Net Loan	8145.83	7437.50	6729.17	6020.83	5312.50		
Rate of Interest	7.9500%	7.9500%	7.9500%	7.9500%	7.9500%		
Interest on loan	647.59	591.28	534.97	478.66	422.34		
HDFC Bank Limited-IX D-8							
Gross loan - Opening	4350.00	4350.00	4350.00	4350.00	4350.00		
Cumulative repayments of Loans upto previous year	0.00	362.50	725.00	1087.50	1450.00		
Net loan - Opening	4350.00	3987.50	3625.00	3262.50	2900.00		
Addition	0.00	0.00	0.00	0.00	0.00		
Repayments of Loans	362.50	362.50	362.50	362.50	362.50		
Net loan - Closing	3987.50	3625.00	3262.50	2900.00	2537.50		
Average Net Loan	4168.75	3806.25	3443.75	3081.25	2718.75		
Rate of Interest	7.9500%	7.9500%	7.9500%	7.9500%	7.9500%		
Interest on loan	331.42	302.60	273.78	244.96	216.14		
HDFC Bank Limited-VII D-2							
Gross loan - Opening	1000.00	1000.00	1000.00	1000.00	1000.00		
Cumulative repayments of Loans upto previous year	0.00	0.00	0.00	111.11	222.22		
Net loan - Opening	1000.00	1000.00	1000.00	888.89	777.78		
Addition	0.00	0.00	0.00	0.00	0.00		
Repayments of Loans	0.00	0.00	111.11	111.11	111.11		
Net loan - Closing	1000.00	1000.00	888.89	777.78	666.67		
Average Net Loan	1000.00	1000.00	944.44	833.33	722.22		

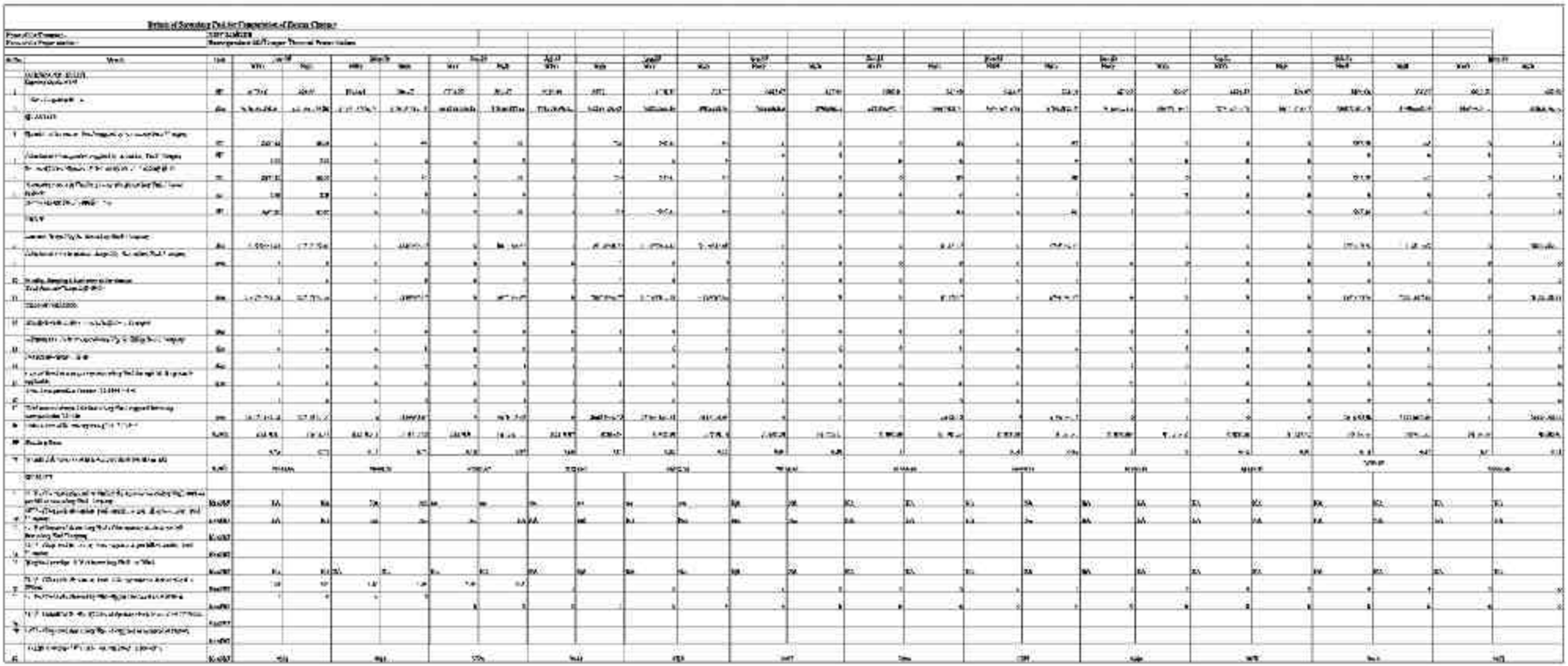
Rate of Interest	7.9500%	7.9500%	7.9500%	7.9500%	7.9500%		
Interest on loan	79.50	79.50	75.08	66.25	57.42		
HDFC Bank Limited-VII D-3							
Gross loan - Opening	4000.00	4000.00	4000.00	4000.00	4000.00		
Cumulative repayments of Loans upto previous year	0.00	0.00	0.00	444.44	888.89		
Net loan - Opening	4000.00	4000.00	4000.00	3555.56	3111.11		
Addition	0.00	0.00	0.00	0.00	0.00		
Repayments of Loans	0.00	0.00	444.44	444.44	444.44		
Net loan - Closing	4000.00	4000.00	3555.56	3111.11	2666.67		
Average Net Loan	4000.00	4000.00	3777.78	3333.33	2888.89		
Rate of Interest	7.9500%	7.9500%	7.9500%	7.9500%	7.9500%		
Interest on loan	318.00	318.00	300.33	265.00	229.67		
HDFC Bank Limited-X D-2							
Gross loan - Opening	4000.00	4000.00	4000.00	4000.00	4000.00		
Cumulative repayments of Loans upto previous year	0.00	0.00	333.33	666.67	1000.00		
Net loan - Opening	4000.00	4000.00	3666.67	3333.33	3000.00		
Addition	0.00	0.00	0.00	0.00	0.00		
Repayments of Loans	0.00	333.33	333.33	333.33	333.33		
Net loan - Closing	4000.00	3666.67	3333.33	3000.00	2666.67		
Average Net Loan	4000.00	3833.33	3500.00	3166.67	2833.33		
Rate of Interest	7.9500%	7.9500%	7.9500%	7.9500%	7.9500%		
Interest on loan	318.00	304.75	278.25	251.75	225.25		
HDFC Bank Limited-X D-4							
Gross loan - Opening	3700.00	3700.00	3700.00	3700.00	3700.00		
Cumulative repayments of Loans upto previous year	0.15	0.23	0.31	0.39	0.47		
Net loan - Opening	3699.85	3699.77	3699.69	3699.61	3699.53		
Addition	0.00	0.00	0.00	0.00	0.00		
Repayments of Loans	0.00	308.33	308.33	308.33	308.33		
Net loan - Closing	3699.77	3699.69	3699.61	3699.53	3699.45		
Average Net Loan	3699.81	3699.73	3699.65	3699.57	3699.49		
Rate of Interest	7.9500%	7.9500%	7.9500%	7.9500%	7.9500%		
Interest on loan	294.13	294.13	294.12	294.12	294.11		
ICICI Bank-VII (Refinancing of SBI XIII)							
Gross loan - Opening	1000.00	1000.00	1000.00	1000.00	1000.00		
Cumulative repayments of Loans upto previous year	0.00	83.33	166.67	250.00	333.33		
Net loan - Opening	1000.00	916.67	833.33	750.00	666.67		
Addition	0.00	0.00	0.00	0.00	0.00		
Repayments of Loans	83.33	83.33	83.33	83.33	83.33		
Net loan - Closing	916.67	833.33	750.00	666.67	583.33		
Average Net Loan	958.33	875.00	791.67	708.33	625.00		
Rate of Interest	8.1750%	8.1750%	8.1750%	8.1750%	8.1750%		
Interest on loan	78.34	71.53	64.72	57.91	51.09		
Bank of India-IV							
Gross loan - Opening	4500.00	4500.00	4500.00	4500.00	4500.00		
Cumulative repayments of Loans upto previous year	0.00	300.00	600.00	900.00	1200.00		
Net loan - Opening	4500.00	4200.00	3900.00	3600.00	3300.00		
Addition	0.00	0.00	0.00	0.00	0.00		
Repayments of Loans	300.00	300.00	300.00	300.00	300.00		

Net loan - Closing	4200.00	3900.00	3600.00	3300.00	3000.00		
Average Net Loan	4350.00	4050.00	3750.00	3450.00	3150.00		
Rate of Interest	8.0750%	8.0750%	8.0750%	8.0750%	8.0750%		
Interest on loan	351.26	327.04	302.81	278.59	254.36		
Bond 54th series							
Gross loan - Opening	2400.00	2400.00	2400.00	2400.00	2400.00		
Cumulative repayments of Loans upto previous year	1440.00	2400.00	2400.00	2400.00	2400.00		
Net loan - Opening	960.00	0.00	0.00	0.00	0.00		
Addition	0.00	0.00	0.00	0.00	0.00		
Repayments of Loans	960.00						
Net loan - Closing	0.00	0.00	0.00	0.00	0.00		
Average Net Loan	480.00	0.00	0.00	0.00	0.00		
Rate of Interest	8.5200%	8.5200%	8.5200%	8.5200%	8.5200%		
Interest on loan	40.90	0.00	0.00	0.00	0.00		
Bond 61th series							
Gross loan - Opening	500.00	500.00	500.00	500.00	500.00		
Cumulative repayments of Loans upto previous year	166.67	166.67	166.67	333.33	333.33		
Net loan - Opening	333.33	333.33	333.33	166.67	166.67		
Addition	0.00	0.00	0.00	0.00	0.00		
Repayments of Loans	0.00	0.00	166.67	0.00	0.00		
Net loan - Closing	333.33	333.33	166.67	166.67	166.67		
Average Net Loan	333.33	333.33	250.00	166.67	166.67		
Rate of Interest	8.1300%	8.1300%	8.1300%	8.1300%	8.1300%		
Interest on loan	27.10	27.10	20.33	13.55	13.55		
Bond 73							
Gross loan - Opening	4200.00	4200.00	4200.00	4200.00	4200.00		
Cumulative repayments of Loans upto previous year	0.00	0.00	0.00	0.00	0.00		
Net loan - Opening	4200.00	4200.00	4200.00	4200.00	4200.00		
Addition	0.00	0.00	0.00	0.00	0.00		
Repayments of Loans	0.00	0.00	0.00	0.00	0.00		
Net loan - Closing	4200.00	4200.00	4200.00	4200.00	4200.00		
Average Net Loan	4200.00	4200.00	4200.00	4200.00	4200.00		
Rate of Interest	6.4600%	6.4600%	6.4600%	6.4600%	6.4600%		
Interest on loan	271.32	271.32	271.32	271.32	271.32		
Bond 74							
Gross loan - Opening	3300.00	3300.00	3300.00	3300.00	3300.00		
Cumulative repayments of Loans upto previous year	0.00	0.00	0.00	0.00	0.00		
Net loan - Opening	3300.00	3300.00	3300.00	3300.00	3300.00		
Addition	0.00	0.00	0.00	0.00	0.00		
Repayments of Loans	0.00	0.00	0.00	0.00	0.00		
Net loan - Closing	3300.00	3300.00	3300.00	3300.00	3300.00		
Average Net Loan	3300.00	3300.00	3300.00	3300.00	3300.00		
Rate of Interest	6.9000%	6.9000%	6.9000%	6.9000%	6.9000%		
Interest on loan	227.70	227.70	227.70	227.70	227.70		
Bond 75							
Gross loan - Opening	8985.00	8985.00	8985.00	8985.00	8985.00		
Cumulative repayments of Loans upto previous year	0.00	0.00	0.00	0.00	0.00		
Net loan - Opening	8985.00	8985.00	8985.00	8985.00	8985.00		

Addition	0.00	0.00	0.00	0.00	0.00		
Repayments of Loans	0.00	0.00	0.00	0.00	0.00		
Net loan - Closing	8985.00	8985.00	8985.00	8985.00	8985.00		
Average Net Loan	8985.00	8985.00	8985.00	8985.00	8985.00		
Rate of Interest	6.7200%	6.7200%	6.7200%	6.7200%	6.7200%		
Interest on loan	603.79	603.79	603.79	603.79	603.79		
Bond 78							
Gross loan - Opening	1800.00	1800.00	1800.00	1800.00	1800.00		
Cumulative repayments of Loans upto previous year	0.00	0.00	0.00	0.00	0.00		
Net loan - Opening	1800.00	1800.00	1800.00	1800.00	1800.00		
Addition	0.00	0.00	0.00	0.00	0.00		
Repayments of Loans	0.00	0.00	0.00	0.00	0.00		
Net loan - Closing	1800.00	1800.00	1800.00	1800.00	1800.00		
Average Net Loan	1800.00	1800.00	1800.00	1800.00	1800.00		
Rate of Interest	7.4700%	7.4700%	7.4700%	7.4700%	7.4700%		
Interest on loan	134.46	134.46	134.46	134.46	134.46		
TOTAL							
Gross loan - Opening	1,15,935.00	1,15,935.00	1,15,935.00	1,15,935.00	1,15,935.00		
Cumulative repayments of Loans upto previous year	18,495.71	26,654.40	35,297.53	44,885.11	54,306.02		
Net loan - Opening	97,439.29	89,280.60	80,637.47	71,049.89	61,628.98		
Addition	-	-	-	-	-		
Repayments of Loans	8,158.61	8,951.39	9,895.83	9,729.17	9,729.17		
Net loan - Closing	89,280.60	80,637.47	71,049.89	61,628.98	52,208.06		
Average Net Loan	93,359.95	84,959.04	75,843.68	66,339.43	56,918.52		
Rate of Interest	**7.7541%**	**7.7266%**	**7.6940%**	**7.6505%**	**7.5932%**		
Interest on loan	7,239.23	6,564.48	5,835.40	5,075.29	4,321.96		

Bank Loan	Interest Rate	Applicable from	Applicable upto	Number of Days	Product	Weighted Average Rate of Interest	Remarks
Axis Bank-IV	8.00%	01-Apr-23	31-Mar-24	366.00	29.28		
				366.00	**29.28**	**8.00%**	
Bank Of India-IV	8.00%	01-Apr-23	31-Mar-24	366.00	29.28		
				366.00	**29.28**	**8.00%**	
HDFC Bank Limited-IV	8.01%	01-Apr-23	31-May-23	61.00	4.89		
HDFC Bank Limited-IV	7.95%	01-Jun-23	31-Mar-24	305.00	24.25		
				366.00	**29.13**	**7.96%**	
HDFC Bank Limited-VII	8.01%	01-Apr-23	31-May-23	61.00	4.89		
HDFC Bank Limited-VII	7.95%	01-Jun-23	31-Mar-24	305.00	24.25		
				366.00	**29.13**	**7.96%**	
HDFC Bank Ltd. VI	8.01%	01-Apr-23	31-May-23	61.00	4.89		
HDFC Bank Ltd. VI	7.95%	01-Jun-23	31-Mar-24	305.00	24.25		
				366.00	**29.13**	**7.96%**	
HDFC-IX	8.01%	01-Apr-23	31-May-23	61.00	4.89		
HDFC-IX	7.95%	01-Jun-23	31-Mar-24	305.00	24.25		
				366.00	**29.13**	**7.96%**	
ICICI Bank-VII	8.10%	01-Apr-23	02-Sep-23	155.00	12.56		
ICICI Bank-VII	8.15%	03-Sep-23	12-Sep-23	10.00	0.82		
ICICI Bank-VII	8.00%	13-Sep-23	31-Mar-24	201.00	16.08		
				366.00	**29.45**	**8.05%**	
IndusInd Bank	8.00%	01-Apr-23	14-Apr-23	14.00	1.12		
IndusInd Bank	8.10%	15-Apr-23	14-Jul-23	91.00	7.37		
IndusInd Bank	8.15%	15-Jul-23	19-Sep-23	67.00	5.46		
IndusInd Bank	8.00%	20-Sep-23	19-Dec-23	91.00	7.28		
IndusInd Bank	8.05%	20-Dec-23	31-Mar-24	103.00	8.29		
				366.00	**29.52**	**8.07%**	
Punjab National Bank III	7.90%	01-Apr-23	31-Mar-24	366.00	28.91		
				366.00	**28.91**	**7.90%**	
State Bank of India - IX	8.00%	01-Apr-23	13-May-23	43.00	3.44		
State Bank of India - IX	8.10%	14-May-23	13-Aug-23	92.00	7.45		
State Bank of India - IX	8.15%	14-Aug-23	13-Feb-24	184.00	15.00		
State Bank of India - IX	8.20%	14-Feb-24	31-Mar-24	47.00	3.85		
				366.00	**29.74**	**8.1262%**	
State Bank of India - VII	8.00%	01-Apr-23	13-May-23	43.00	3.44		
State Bank of India - VII	8.10%	14-May-23	29-Jun-23	47.00	3.81		Loan Closed
				90.00	**7.25**	**8.05%**	
State Bank of India - VIII	8.00%	01-Apr-23	13-May-23	43.00	3.44		
State Bank of India - VIII	8.10%	14-May-23	13-Aug-23	92.00	7.45		
State Bank of India - VIII	8.15%	14-Aug-23	13-Feb-24	184.00	15.00		
State Bank of India - VIII	8.20%	14-Feb-24	31-Mar-24	47.00	3.85		
				366.00	**29.74**	**8.13%**	
State Bank of India - XI	8.00%	01-Apr-23	10-Apr-23	10.00	0.80		
State Bank of India - XI	8.10%	11-Apr-23	10-Oct-23	183.00	14.82		
State Bank of India - XI	8.15%	11-Oct-23	10-Jan-24	92.00	7.50		
State Bank of India - XI	8.20%	11-Jan-24	31-Mar-24	81.00	6.64		
				366.00	**29.76**	**8.1320%**	
HDFC-X	8.01%	01-Apr-23	31-May-23	61.00	4.89		
HDFC-X	7.95%	01-Jun-23	31-Mar-24	305.00	24.25		
				366.00	**29.13**	**7.96%**	





Part-1
Form-J

Name of the Petitioner	NTPC Ltd.
Name of the Station	Ramagundam-I & II
	01.04.1991

Sl No	Particulars	2024-25	2025-26	2026-27	2027-28	2028-29
1	Closing Gross Block as per IGAAP (row 9+2)	Shall be provided at the time of Truing up				
2	Adjustments (11+8+7-6-5-4+3)					
3	Add: Vendor discounting out of assets in the year					
4	Less: Unwinding expenses Capitalised					
5	Less: IND AS Adj of Decapitalisation out of ROW 6 (Mit					
6	Less: Total addition in capital OH asset class (including					
7	Add: Decapitalisation of capital Overhauling during the					
8	Less: Indas Adjustment in Inter Unit transactions					
9	Closing Gross Block as per IND-AS					
10	Opening Gross Block as per IGAAP (row 12+11)					
11	Adjustments					
12	Opening Gross Block as per IND-AS					
13	Addition as per IGAAP (row 1 - 10)					
14	Addition as per IGAAP corresponding to Ramagundam					
15	Addition as per IGAAP corresponding to Ramagundam Floating Solar					
16	Addition as per IGAAP corresponding to Ramagundam-III					
17	Net Additions pertaining to Ramagundam 1 &2					
18	Less: Exclusions (items not allowable /not claimed)					
19	Net Additional Capital Expenditure Claimed (accrual ba					
20	Less: Undischarged liabilities					
21	Add: Discharge of Liabilities of allowed asset					
22	Net Additional Capital Expenditure Claimed (Cash basis					
23	Total Add Cap Claim (21+22)					

(Petitioner)

PART 1

Non Tariff Income

Name of the Petitioner: NTPC Ltd
Name of the Generating Station: Ramagundam
Super Thermal Power Station Stgae-I&II

Particulars	2024-25	2025-26	2026-27	2027-28	2028-29
Income from rent of land or buildings	Shall be provided at the time of truing up				
Income from sale of scrap					
Income from advertisements					
Total					

Petitioner

PART 1
Form-19

Details of Water Charges

Name of the Petitioner: **NTPC Ltd**
Name of the Generating RAMAGUNDAM SUPER THERMAL POWER STATION STAGE-I,II

S. No.	Details of Water charges (excluding water cess)		Quantity allocated	Normative consumption at 100% PLF	Rate specified (as per govt. notification or agreement)	Spillage of water (in percentage)	Amount Claimed For Station
	Name of source and quantity	Amount	TMC	TMC	TMC		
1	Shall be provided at the time of truing up						

(Petitioner)

PART 1

FORM- 20

Name of the Petitioner:	NTPC Ltd														
Name of the Generating Station:	Ramagundam Super Thermal Power Station Stgae-I&II														
	2024-25			2025-26			2026-27			2027-28			2028-29		
Particulars	Unit Rate (Rs./kwh)	No of Units	Amount Claimed (Rs)	Unit Rate (Rs./kwh)	No of Units	Amount Claimed (Rs)	Unit Rate (Rs./kwh)	No of Units	Amount Claimed (Rs)	Unit Rate (Rs./kwh)	No of Units	Amount Claimed (Rs)	Unit Rate (Rs./kwh)	No of Units	Amount Claimed (Rs)
Electricity Duty	Shall be provided at the time of truing up														
Water Cess															
Charge for additional Electricity consumption at mine void filling dewatering pump															
...															

(Petitioner)

PART 1
FORM- L

Name of the Petitioner
Name of the Generating Station

Statement of Capital cost

(To be given for relevant dates and year wise)

(Amount in Lakhs)

S. No.	Particulars	2024-25		
		Accrual Basis	Un-discharged Liabilities	Cash Basis
A	a) Opening Gross Block Amount as per books	4,04,754.46	5,316.15	3,99,438.31
	b) Amount of IDC in A(a) above	15,037.37		15,037.37
	c) Amount of FC in A(a) above	-		-
	d) Amount of FERV in A(e) above	5.09		5.09
	e) Amount of Hedging Cost in A(a) above	-		-
	f) Amount of IEDC in A(a) above	-		-
B	a) Addition in Gross Block Amount during the period (Direct Purchase)			
	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)			
	b) Amount of IDC in C(a) above			
	c) Amount of FC in C(a) above			
	d) Amount of FERV in C(a) above - CC Loans			
	e) Amount of Hedging Cost in C(a) above			
	f) Amount of IEDC in C(a) above			
	g) Amount of FERV in C(a) above - Contractual			
D	a) Deletion in Gross Block Amount during the period			
	b) Amount of IDC in D(a) above			
	d) Amount of FC in D(a) above			
	c) Amount of FERV in D(a) above			
	d) Amount of Hedging Cost in D(a) above			
	e) Amount of IEDC in D(a) above			
E	a) Closing Gross Block Amount as per books			
	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)

PART 1
FORM- M

Name of the Petitioner: NTPC Ltd
Name of the Generating Station: Ramagundam-I & II

Statement of Capital Woks in Progress

S. No.	Particulars	2024-25		
		Accrual Basis	Un-discharged Liabilities	Cash Basis
A	a) Opening CWIP Amount as per books	1,11,311.96	21,576.56	89,735.40
	b) Amount of IDC in A(a) above	2,231.89		2,231.89
	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			
	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			
	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 CWIP during the period			
	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 CWIP Amount as per books			
	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			

PART-I

FORM- N

Calculation of Interest on Normative Loan

Name of the Company : **NTPC Limited**

Name of the Power Station : **Ramagundam Super Thermal Power Station Stgae-I&II**

(Amount in Rs Lakh)

S. No.	Particulars	Existing 2023-24	2024-25	2025-26	2026-27	2027-28	2028-29
1	2	3	4	5	6	7	8
1	Gross Normative loan – Opening	1,15,178.41	1,17,704.59	1,18,099.39	1,18,099.39	1,18,270.82	1,19,687.41
2	Cumulative repayment of Normative loan up to previous year	1,13,698.39	1,17,704.59	1,18,099.39	1,18,099.39	1,18,209.59	1,19,230.46
3	**Net Normative loan – Opening**	**1,480.02**	-	-	-	**61.22**	**456.95**
4	Add: Increase due to addition during the year / period	3,541.65	394.80	-	171.43	1,416.59	8,721.72
5	Less: Decrease due to de-capitalisation during the year / period	-1,661.68	-	-	-	-	-
6	Less: Decrease due to reversal during the year / period						
7	Add: Increase due to discharges during the year / period	646.46	-	-	-	-	-
8	Net addition during the period	**2,526.42**	**394.80**	-	**171.43**	**1,416.59**	**8,721.72**
9	Addition in Loan due to Net add cap	2,526.42	394.80	-	171.43	1,416.59	8,721.72
10	Less: Repayment of Loan	5,193.29	394.80	-	**110.21**	**1,020.87**	**6,517.49**
11	Repayment adjustment on account of de capitalisation	1,187.09	-	-	-	-	-
12	Repayment adjustment on account of discharges/reversals corresponding to un discharged liabilities deducted as on 1.4.2009	-	-	-	-	-	-
13	Net Normative loan - Closing	**0.25**	-	-	**61.23**	**456.94**	**2,661.18**
14	**Average Normative loan**	740.13	-	-	30.61	259.08	1,559.06
15	Weighted average rate of interest	7.47	7.75	7.73	7.69	7.65	7.59
16	**Interest on Loan**	**55.32**	-	-	**2.36**	**19.82**	**118.38**

(Petitioner)

PART 1
FORM- O

Calculation of Interest on Working Capital

Name of the Company : NTPC Limited
Name of the Power Station : Ramagundam Super Thermal Power Station Stgae-I&II

(Amount in Rs Lakh)

S. No.	Particulars	Existing 2023-24	2024-25	2025-26	2026-27	2027-28	2028-29
1	2	3	4	5	6	7	8
1	Cost of Coal/Lignite	61,926.27	57204.70	57204.70	57204.70	57204.70	57204.70
2	Cost of Main Secondary Fuel Oil	1,567.41	1665.90	1665.90	1665.90	1670.47	1665.90
3	Fuel Cost						
4	Liquid Fuel Stock						
5	O & M Expenses	6,132.86	8360.67	8407.00	8316.83	8213.42	8637.58
6	Maintenance Spares	14,718.88	20065.60	20176.80	19960.40	19712.20	20730.20
7	Receivables	84,733.73	82536.19	82149.44	81992.53	81910.67	83355.99
8	Total Working Capital	169079.15	169833.06	169603.84	169140.36	168711.45	171594.37
9	Rate of Interest	12.0000	11.9000	11.9000	11.9000	11.9000	11.9000
10	**Interest on Working Capital**	**20289.50**	**20210.13**	**20182.86**	**20127.70**	**20076.66**	**20419.73**

Petitioner

Form-15B
ADDITIONAL FORM

		2024-25	2025-26	2026-27	2027-28	2028-29
No of Days in the year	Days	365	365	365	366	365
Sp. Oil consumption	ml/kwh	0.64	0.64	0.64	0.64	0.64
Auxiliary consumption	%	6.6800	6.6800	6.6800	6.6800	6.6800
Heat Rate	Kcal/Kwh	2386.43	2386.43	2386.43	2386.43	2386.43
Computation of Variable Charges						
Variable Charge (Coal)	p/kwh	366.806	366.806	366.806	366.806	366.806
Variable Charge (Oil)	p/kwh	7.015	7.015	7.015	7.015	7.015
Total	p/kwh	373.821	373.821	373.821	373.821	373.821
Price of fuel from Form-15/15A						
Coal Cost	(Rs./MT)	4936.96	4936.96	4936.96	4936.96	4936.96
Oil Cost	(Rs./KL)	102286.78	102286.78	102286.78	102286.78	102286.78
Coal GCV (After Adjustment)	(kCal/Kg)	3437.33	3437.33	3437.33	3437.33	3437.33
Oil GCV	(Rs./KL)	4936.96	4936.96	4936.96	4936.96	4936.96
Computation of Fuel Expenses for Calculation of IWC:						
ESO in a year	(MUs)	14248.73	14248.73	14248.73	14287.77	14248.73
Cost of coal for 40 Days	(Rs. Lakh)	57204.70	57204.70	57204.70	57204.70	57204.70
Cost of oil for 2 months	(Rs. Lakh)	1665.90	1665.90	1665.90	1670.47	1665.90
Energy Expenses for 45 days	(Rs. Lakh)	65668.84	65668.84	65668.84	65668.84	65668.84
Rate of Energy Charge from Sec.	$= (Q_s)_s \times P_s$	6.546353905	6.546353905	6.546353905	6.546353905	6.546353905
Heat Contribution from SFO / Alternate Fuel	$= (Qs)_s \times (GCV)_s$	3.160	3.160	3.160	3.160	3.160
Heat Contribution from coal	$= GHR - H_s$	2383.270	2383.270	2383.270	2383.270	2383.270
Specific Primary Fuel Consumption	$= H_s / (GCV)_s$	0.693	0.693	0.693	0.693	0.693
Rate of Energy charge from Primary Fuel (p/kwh)	$(REC)_s$	342.303	342.303	342.303	342.303	342.303
Rate of Energy charge ex-bus (p/kWh)	$= ((REC)_s + (REC)_p / (1-(AUX))$	373.821	373.821	373.821	373.821	373.821

Month	Year	Coal cost	Coal GCV	Oil cost	Oil GCV
April	2023	4743.74	3639	74144.66	9621
May	2023	4805.49	3645	74899.73	9616
June	2023	5066.33	3611	67291.67	9756
July	2023	5156.09	3469	72729.81	9644
August	2023	4932	3144	66272.73	9725
September	2023	4785.43	3182	70163.66	9657
October	2023	4594.95	3390	61966.49	9066
November	2023	4732.78	3571	65099.14	9739
December	2023	4765.81	3622	61966.49	9800
January	2024	4868.56	3697	62439.91	9878
February	2024	5317.92	3704	71535.1	9609
March	2024	5474.38	3594	76555.46	9471
Wt. Average		4936.956667	3522.333333	68755.40417	9631.833333

PETITIONER

PART 1
FORM-T

Summary of issue involved in the petition

Name of the Company :		**NTPC Limited**
Name of the Power Station :		**Ramagundam Super Thermal Power Station Stgae-I&II**
1	Petitioner:	NTPC Limited
2	Subject	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 Chapter-3, Regulation-9 of Central Electricity Regulatory Commission (Terms and Conditions of Tariff) Regulations, 2024 for approval of tariff of Ramagundam Super Thermal power Station Stage-I&II (2100 MW) for the period from 01.04.2024 to 31.03.2029
3	Prayers: The Petitioner prays that the Hon'ble Commission may be pleased to: i) Approve tariff of Ramagundam-I&II for the tariff period 01.04.2024 to 31.03.2029. ii) Allow the recovery of filing fees as & when paid to the Hon'ble Commission and publication expenses from the beneficiaries. iii) Allow reimbursement of Ash Transportation Charges directly from the beneficiaries on monthly basis based on auditor certificate, subject to true up. iv) Pass any other order as it may deem fit in the circumstances mentioned above.	
4	Respondents	
	Name of Respondents	
	a.	As per Petition
	b.	
	c.	
5	Project Scope	Ramagundam Super Thermal Power Station Stgae-I&II (2100MW)
	Cost	
	Commissioning	
	Claim	
	AFC	As per form-I
	Capital cost	As per form-I
	Initial spare	
	NAPAF (Gen)	85%
	Any Specific	

Annexure-01

POLICY OF MINISTRY OF POWER

FOR

BIOMASS UTILIZATION FOR POWER GENERATION

THROUGH CO- FIRING IN PULVERIZED COAL

FIRED BOILERS

Biomass Utilisation for Power Generation through Co-firing in Coal Based Power Plants

1. Introduction

Stubble burning has been cited as a major cause of recent smog in north-west India. Stubble burning is deliberate setting fire of the straw stubble that remains after harvesting of paddy and other crops. During the months of October and November of each year, farmers in north-west India burn an estimated 30-40 million tonnes of crop waste from their paddy fields after harvesting. The primary reasons for stubble burning are; (a) reduce the cost of clearing the field for next crop, (b) reduce the turnaround time between harvesting and sowing for next (winter) crop and (c) lack of other alternatives, viz. availability of appropriate agricultural implements, viz., implements to take out the stubble and "Happy Seeders" for zero tilling sowing etc.

1.1. Various options for safely disposing such bio-mass are (i) setting up power plants exclusively based on bio-mass, (ii) co-firing of pellets made out of bio-mass in the coal based thermal plants, (iii) *in-situ* in-corporation of bio-mass into the soil using appropriate agricultural implements or composting and (iv) manufacturing of various products such as Ethanol, Bio CNG and Board etc.

2. Biomass co-firing in coal based power plants

The estimated 30-40 million metric tonnes of paddy straw that remains un-utilised and burnt in north-west India has potential to generate about 6000-8000 MW and 45000 million units of electricity annually, by co-firing it along with coal in existing coal fired power plants. Biomass co-firing has a potential to create a market for large scale consumption of agro residue and convert it into electricity in eco-friendly and cost effective manner while mitigating problem of air quality deterioration. Market mechanism for agro residue utilisation will also enable additional income to farmers.

2.1 The existing power plant infrastructure cannot directly use raw agro residue bio-mass in a pulverised coal fired type boiler and it is required to be processed into dense bio-mass in the form of pellets. The densification of biomass in the form of pellets also reduces its transportation cost, which is a major component in overall fuel price. Promoting agro-residue processing capacity into pellets for power sector shall also create employment opportunities and develop entrepreneurship.

2.2 Biomass co-firing is a well proven technology. With increasing environmental awareness, power plants all over the world has adopted, biomass co-firing as a strategy to combat pollution. According to open source data, 230 plants across globe, majority located in European and American countries, have experience of biomass co-firing. UNFCC recognizes biomass co-firing as a carbon neutral technology for mitigation of carbon emission from coal based power plants.

3. Status of Biomass co-firing in India

NTPC has successfully demonstrated the co-firing of 7% blend of biomass pellets with coal in its Dadri power plant. This can be replicated in other coal fired power plants too. The blend of coal and pellets can safely be pulverized in power plants having bowl mills/vertical roller mills/beater mills. However, this method is not suitable for power plant having ball and tube type of mills due to higher risk of fire hazard. Approximately, 2.5 to 3.0 lakh tonnes of Biomass pellets are required for 7% blending in a thermal power plant of 1000MW capacity.

4. Benefits of using biomass pellets co-firing in Coal based power plants

a) Eliminate/minimize burning of agro-residue and create economic value of agro residue by promoting its use as fuel in power plants in co-firing mode.
b) Improve the air quality index while creating additional income for farmers.
c) Encourage the establishment of decentralised pellets manufacturing units and generate employment opportunities.

5. <u>Biomass Utilisation for Power Generation through Co-firing in Coal based power plants.</u>

Therefore, in order to promote use of the bio-mass pellets, all the Power plants/Utilities are hereby advised as follows:

a) All fluidised bed and pulverised coal units(coal based thermal power plants) except those having ball and tube mill, of power generation utilities, public or private, located in India, shall endeavour to use 5-10% blend of biomass pellets made, primarily, of agro residue along with coal after assessing the technical feasibility, viz. safety aspects etc.
b) CEA shall develop/issue Specifications for the pellets. CEA will also provide technical assistance/advise to Utilities on how to use bio-mass pellets for blending with coal in coal based thermal power plants.
c) The Appropriate Commission will determine the compensation (for plants other than those whose Tariff has been already determined under section 62 of Electricity Act) to be allowed in tariff for increase in cost of generation on account of using bio-mass pallets, viz., cost of pellets, increase in auxiliary power consumption (APC) and plant heat rate (HR) etc. Increase in cost of generation will not be taken into account for the purpose of merit order for despatch of electricity. The Appropriate Commission shall devise a suitable mechanism to ensure the use of biomass as per (a) above.

Annexure-02

CENTRAL ELECTRICITY REGULATORY COMMISSION
(NEW DELHI)

Suo Motu Petition No. 12/SM/2019

Coram:
Shri P.K.Pujari, Chairperson
Shri I.S.Jha, Member

Date of Hearing : 17.12.2019
Date of Order : 18.02.2020

ORDER

In the matter of

Methodology for Estimation of Electricity Generated from Biomass in Biomass Co-fired Thermal Power Plants.

The Central Electricity Regulatory Commission (hereinafter referred to as 'the Commission') has recognized the use of biomass in biomass co-fired coal based thermal power plants under sub-clause (k) of clause (2) of the Regulation 19 and clause (4) of Regulation 43 of the Central Electricity Regulatory Commission (Terms and Conditions of Tariff) Regulations, 2019 (hereinafter referred to as the 2019 Tariff Regulations). These Regulations notified on 7th March, 2019, introduced the regulatory framework for allowing use of biomass in coal based thermal power plants.

2. The Commission initiated the process of specifying methodology for estimation of electricity generated from biomass in biomass co-fired coal based thermal power plants and accordingly, proposed a draft methodology in this regard. While proposing this methodology, the Commission had considered the following references.

a) Reference of Ministry of Power, Government of India, No. 11/86/2017-Th11 dated 17th Nov'2017 with regard to the "Policy for Biomass Utilization for Power Generation through Co-firing in Pulverized Coal Fired Boilers".

b) Advisory dated 24.11.2017 of Central Electricity Authority (CEA) to thermal power plants for utilizing biomass in coal based thermal power plants.

c) Clarification of Ministry of New and Renewable Energy ("the MNRE"), Government of India issued vide reference dated 26.9.2019 stating that the power generated from co-firing of biomass in coal based thermal power plants is renewable energy and is eligible for meeting non-solar Renewable Purchase Obligation (RPO).

3. Salient aspects of the proposed methodology were as under.

a) Proposed methodology can be applied to biomass co-fired coal based thermal plants whose tariff is determined by "Appropriate Commission" under Section 62 as well as thermal plants whose tariff is adopted by the "Appropriate Commission" under section 63 of the Electricity Act, 2003;

b) Energy generated from biomass can be worked out based on the actual consumption of biomass and coal rather than on normative operational parameters of Station Heat Rate and Auxiliary Power Consumption;

c) Principle of proportion can be the basis to work out the energy generated from biomass. The energy output is estimated in proportion to the heat input from biomass out of total heat input from biomass and coal;

d) Heat input can be worked out based on consumption and quality (GCV) of the coal and biomass;

e) Consumption of coal and biomass can be worked out based on opening balance, receipt and closing balance of coal and biomass.

4. The proposed methodology was put in public domain and comments/suggestions of various stakeholders were invited vide order dated 26.11.2019 in this Suo Motu petition. Subsequently, public hearing on the draft methodology was held on 17.12.2019 for soliciting views of stakeholders.

Submission of the Stakeholders during Public Hearing

5. The Captive Power Producers Association has requested that the proposed methodology should also be made applicable to captive power plants. They have further submitted that for co-generation power plant, there is a need for a methodology factoring in use of steam for purposes other than generation of electricity. The Association has submitted two alternative methods for consideration of the Commission.

6. Representative of NTPC Ltd submitted that in the proposed methodology, electricity generated from biomass has been proposed to be estimated based on electricity generated at the Generator Terminal (GT). The energy meter installed at Generator Terminal is normally not used for billing purpose and hence, estimates based on Generator Terminal may not be acceptable to distribution licensees.

7. The comments/suggestions/objections of the stakeholders on the proposed methodology have been examined by the Commission.

Applicability of the Methodology

8. As per Para 7 of the order dated 26.11.2019 in this Suo-Moto Petition, the applicability of the methodology was proposed as under:

> "7. The suggested methodology to estimate the energy generated from co-firing of biomass has been framed on the actual consumption of biomass and coal rather than on normative operational parameters of Station Heat Rate and Auxiliary Power Consumption. Such a methodology, which does not use normative operational parameters, can be applied both to thermal plants whose tariff is determined by "Appropriate Commission" under Section 62 as well as thermal plants whose tariff is adopted by the "Appropriate Commission" under section 63 of the Electricity Act, 2003."

9. The Commission had proposed to restrict the application of the methodology only to thermal plants under section 62 or section 63 of the Electricity Act, 2003 since the Commission regulates tariff of centrally owned generating stations and the generating stations having composite scheme for sale or purchase of electricity in more than one state under Section 79(1)(a) and 79(1)(b) of the Act. The methodology was not proposed to cover captive or cogeneration plants. The Captive Power Producers Association has submitted that since captive power plants and co-generation power plants are also eligible under MNRE letter dated 26.9.2019 for the purpose of renewable purchase obligation, the methodology should cover captive power plants and co-generation power plants.

10. We have perused the references of MNRE dated 26.9.2019. The MNRE has clarified that the power generated from co-firing of biomass in coal based thermal power plants is renewable energy and is eligible for meeting non-solar Renewable Purchase Obligations (RPOs).

11. We observe that biomass can also be used in thermal captive power plants similar to thermal generation station. We, therefore, are of the view that the methodology shall also be applicable to the captive power plant using co-firing of biomass. The methodology specified in this order will therefore, be applicable to the captive power plant also that co-fires biomass.

12. While in case of captive power plant, the entire heat generated from coal and biomass is used to generate power, in case of co-generation plant, only part of the heat is used to generate power. But, the underlying principle remains applicable i.e. the proportion of heat input from biomass to total heat input for power generation. Accordingly, the methodology specified in this order shall also be applicable for co-generation power plant.

Gross Calorific Value (GCV) measurement & Fuel Stock

13. The Captive Power Producers Association has submitted that GCV measurement point and methodology may be indicated so as to avoid any disputes on measurement of values. In this regard, it is observed that the GCV measurement point is already specified under the 2019 Tariff Regulations. The relevant extract is reproduced below, which shall be adopted by the captive power plants and co-generation power plants.

> "(31) 'GCV as Received' means the GCV of coal as measured at the unloading point of the thermal generating station through collection, preparation and testing of samples from the loaded wagons, trucks, ropeways, Merry-Go-Round (MGR), belt conveyors and ships in accordance with the IS 436 (Part-1/ Section 1)- 1964:
>
> Provided that the measurement of coal shall be carried out through sampling by third party to be appointed by the generating companies in accordance with the guidelines, if any, issued by Central Government:

Provided further that samples of coal shall be collected either manually or through hydraulic augur or through any other method considered suitable keeping in view the safety of personnel and equipment:

Provided also that the generating companies may adopt any advance technology for collection, preparation and testing of samples for measurement of GCV in a fair and transparent manner".

14. The format specified by the Commission in the 2019 Tariff Regulations captures the requirement of data applicable to the thermal power plants. For captive power plants and co-generation power plants, appropriate format may be developed by the respective State Electricity Regulatory Commission or certifying agency of the State.

Special Energy Meter

15. NTPC Ltd has submitted that measurement at the Special Energy Meter (SEM) installed by them at Generator Terminal (GT) may not be acceptable to the system operator and distribution licensees. In this regard, it is observed that the Auxiliary Energy Consumption (AEC) is worked out on the basis of SEM on Generator Terminal and these are similar to SEMs installed by CTU. Therefore, we do not foresee any difficulty in using SEMs installed on Generator Terminal by the generators. However, the Regional Power Committee, in constitution with respective Regional Load Dispatch Centre or State Load Dispatch Centre as the case may be, shall ensure that the SEMs installed by the generator should be got calibrated from time to time for energy accounting. The Captive Power Plant and Co-generation Power Plant shall ensure appropriate metering arrangement at generator terminal.

16. The methodology for estimating the energy generated from bio-mass in biomass co-fired coal based thermal power plants, including captive power plants and co-generation plants has been specified in Annexure I and is a part of this order.

Sd/-	***Sd/-***
(I. S. Jha)	**(P. K. Pujari)**
Member	**Chairperson**

Annexure-I

Methodology for estimation of electricity generated from biomass in biomass co-fired coal based thermal power plants, including captive and co-generation power plants co-firing bio-mass.

The methodology specified hereunder is to be followed by ISGS, RPCs for estimating electricity generated from biomass in biomass co-firing coal based thermal power plants, including captive and co-generation power plants co-firing bio-mass.

Step-1:

2. The electricity generated from biomass shall be estimated at Generator Terminal on monthly basis in accordance with the following formulae:

$$Eb(G) = [(Qb \times Gb) / ((Qc \times Gc) + (Qb \times Gb))] \times E(GT)$$

Where,

Eb(G) = Electrical energy generated by bio-mass at Generator terminal during the month (kWh);

Qb = Quantity of bio-mass consumed during the month (kg)

Gb = Weighted average Gross Calorific Value (GCV) of bio-mass consumed during month (kCal/kg)

E(GT) = Gross electrical energy generated at Generator Terminal during the month (kWh)

Qc = Quantity of coal burnt during the month (kg)

Gc = Weighted average GCV of coal burnt during the month (kCal/kg)

3. The product (Qb x Gb) represents heat (in Kcal) input through bio-mass during the month and shall be estimated on monthly basis by applying following formulae:

Qb x Gb (kCal) = {opening balance of bio-mass (kg) X weighted average GCV of opening balance of bio-mass (kCal/kg)}

+ {quantity of bio-mass received during the month (kg) X weighted average GCV of bio-mass received during the month (kcal/kg)}

- {closing stock of bio-mass (kg) X weighted average GCV of the closing balance of bio-mass (kCal/kg)}

4. The product (Qc x Gc) represents heat (in Kcal) input through coal during the month (kcal) and shall be estimated on monthly basis by applying the following formulae:

Qc x Gc (kCal) = {opening balance of coal (kg)X weighed average GCV of opening balance of coal (kCal/kg)}

+ {quantity of coal received during the month (kg) X weighted average GCV of coal received during the month (kCal/kg)}

– {closing stock of coal (kg) X weighted average GCV of the closing balance of coal (kCal/kg)}

Step-2:

5. The ex-bus electrical energy generated by using bio-mass shall be estimated on monthly basis by applying following formulae:

Eb (ex-bus) = Eb(G) {1- [(E(GT)- ESO)/ E(GT)] }

Where,

Eb (ex-bus) = Electrical energy generated by bio-mass ex-bus during the month (kWh);

Eb(G) = Electrical energy generated by bio-mass at Generator terminal during the month arrived at Step-1(kWh)

E(GT) = Total electrical energy generated at generator terminal during the month (kWh) ;

ESO = Total Energy Sent Out (ex-bus) during the month (kWh);

6. The generating company shall provide information to the beneficiaries and publish them in the following manner:

a) The generating company shall maintain separate fuel accounts for coal and bio-mass, with opening balance, fuel received during the month and closing balance in kg. The generating company shall also maintain separate GCV (in kCal/kg) accounts for coal and bio-mass, with weighted average GCV of the opening balance, weighted average GCV of the fuel received during the month and weighted average GCV of the closing balance at the end of the month;

b) These monthly accounts of fuel and GCV, duly signed by the authorised official of the generating company shall be published on its website along with the bills towards purchase of coal and bio-mass.

c) These monthly fuel and GCV accounts shall be made available to authorized representative/s of beneficiaries and RLDC/SLDC on demand. Any authorised representative of beneficiaries shall be allowed to witness the GCV testing of bio-mass.

d) Generating company shall keep beneficiaries informed about the co-firing of bio-mass with coal. Authorised representatives of the beneficiaries shall be allowed inspection during the period when bio-mass is being co-fired.

e) The generating company shall publish the quantum of bio-mass fired and the energy generated from bio-mass based on the formulae specified above on its website.

Annexure-03

ICAO

International Standards
and Recommended Practices

Annex 14 to the Convention on International Civil Aviation

Aerodromes

Volume I
Aerodrome Design and Operations

Seventh Edition, July 2016

This edition supersedes, on 10 November 2016, all previous editions of Annex 14, Volume I.

For information regarding the applicability of the Standards and Recommended Practices, see Chapter 1, 1.2 and the Foreword.

INTERNATIONAL CIVIL AVIATION ORGANIZATION

ICAO

International Standards
and Recommended Practices

Annex 14 to the Convention on International Civil Aviation

Aerodromes

Volume I
Aerodrome Design and Operations

Seventh Edition, July 2016

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INTERNATIONAL CIVIL AVIATION ORGANIZATION

Published in separate English, Arabic, Chinese, French, Russian
and Spanish editions by the
INTERNATIONAL CIVIL AVIATION ORGANIZATION
999 Robert-Bourassa Boulevard, Montréal, Quebec, Canada H3C 5H7

For ordering information and for a complete listing of sales agents
and booksellers, please go to the ICAO website at www.icao.int

First edition 1990
Sixth edition 2013
Seventh edition 2016

Annex 14, *Aerodromes* —
Volume I, *Aerodrome Design and Operations*
Order Number: AN14-1
ISBN 978-92-9258-031-5

CHAPTER 6. VISUAL AIDS FOR DENOTING OBSTACLES

6.1 Objects to be marked and/or lighted

Note.— The marking and/or lighting of obstacles is intended to reduce hazards to aircraft by indicating the presence of the obstacles. It does not necessarily reduce operating limitations which may be imposed by an obstacle.

6.1.1 Objects within the lateral boundaries of the obstacle limitation surfaces

6.1.1.1 Vehicles and other mobile objects, excluding aircraft, on the movement area of an aerodrome are obstacles and shall be marked and, if the vehicles and aerodrome are used at night or in conditions of low visibility, lighted, except that aircraft servicing equipment and vehicles used only on aprons may be exempt.

6.1.1.2 Elevated aeronautical ground lights within the movement area shall be marked so as to be conspicuous by day. Obstacle lights shall not be installed on elevated ground lights or signs in the movement area.

6.1.1.3 All obstacles within the distance specified in Table 3-1, column 11 or 12, from the centre line of a taxiway, an apron taxiway or aircraft stand taxilane shall be marked and, if the taxiway, apron taxiway or aircraft stand taxilane is used at night, lighted.

6.1.1.4 **Recommendation.—** *A fixed obstacle that extends above a take-off climb surface within 3 000 m of the inner edge of the take-off climb surface should be marked and, if the runway is used at night, lighted, except that:*

a) such marking and lighting may be omitted when the obstacle is shielded by another fixed obstacle;

b) the marking may be omitted when the obstacle is lighted by medium-intensity obstacle lights, Type A, by day and its height above the level of the surrounding ground does not exceed 150 m;

c) the marking may be omitted when the obstacle is lighted by high-intensity obstacle lights by day; and

d) the lighting may be omitted where the obstacle is a lighthouse and an aeronautical study indicates the lighthouse light to be sufficient.

6.1.1.5 **Recommendation.—** *A fixed object, other than an obstacle, adjacent to a take-off climb surface should be marked and, if the runway is used at night, lighted, if such marking and lighting is considered necessary to ensure its avoidance, except that the marking may be omitted when:*

a) the object is lighted by medium-intensity obstacle lights, Type A, by day and its height above the level of the surrounding ground does not exceed 150 m; or

b) the object is lighted by high-intensity obstacle lights by day.

6.1.1.6 A fixed obstacle that extends above an approach surface within 3 000 m of the inner edge or above a transitional surface shall be marked and, if the runway is used at night, lighted, except that:

a) such marking and lighting may be omitted when the obstacle is shielded by another fixed obstacle;

b) the marking may be omitted when the obstacle is lighted by medium-intensity obstacle lights, Type A, by day and its height above the level of the surrounding ground does not exceed 150 m;

c) the marking may be omitted when the obstacle is lighted by high-intensity obstacle lights by day; and

d) the lighting may be omitted where the obstacle is a lighthouse and an aeronautical study indicates the lighthouse light to be sufficient.

6.1.1.7 **Recommendation.**— *A fixed obstacle that extends above a horizontal surface should be marked and, if the aerodrome is used at night, lighted, except that:*

a) such marking and lighting may be omitted when:

1) the obstacle is shielded by another fixed obstacle; or

2) for a circuit extensively obstructed by immovable objects or terrain, procedures have been established to ensure safe vertical clearance below prescribed flight paths; or

3) an aeronautical study shows the obstacle not to be of operational significance;

b) the marking may be omitted when the obstacle is lighted by medium-intensity obstacle lights, Type A, by day and its height above the level of the surrounding ground does not exceed 150 m;

c) the marking may be omitted when the obstacle is lighted by high-intensity obstacle lights by day; and

d) the lighting may be omitted where the obstacle is a lighthouse and an aeronautical study indicates the lighthouse light to be sufficient.

6.1.1.8 A fixed object that extends above an obstacle protection surface shall be marked and, if the runway is used at night, lighted.

Note.— See 5.3.5 for information on the obstacle protection surface.

6.1.1.9 **Recommendation.**— *Other objects inside the obstacle limitation surfaces should be marked and/or lighted if an aeronautical study indicates that the object could constitute a hazard to aircraft (this includes objects adjacent to visual routes e.g. waterway or highway).*

Note.— See note accompanying 4.4.2.

6.1.1.10 **Recommendation.**— *Overhead wires, cables, etc., crossing a river, waterway, valley or highway should be marked and their supporting towers marked and lighted if an aeronautical study indicates that the wires or cables could constitute a hazard to aircraft.*

6.1.2 Objects outside the lateral boundaries of the obstacle limitation surfaces

6.1.2.1 **Recommendation.**— *Obstacles in accordance with 4.3.2 should be marked and lighted, except that the marking may be omitted when the obstacle is lighted by high-intensity obstacle lights by day.*

6.1.2.2 **Recommendation.**— *Other objects outside the obstacle limitation surfaces should be marked and/or lighted if an aeronautical study indicates that the object could constitute a hazard to aircraft (this includes objects adjacent to visual routes e.g. waterway, highway).*

6.1.2.3 **Recommendation.—** *Overhead wires, cables, etc., crossing a river, waterway, valley or highway should be marked and their supporting towers marked and lighted if an aeronautical study indicates that the wires or cables could constitute a hazard to aircraft.*

6.2 Marking and/or lighting of objects

6.2.1 General

6.2.1.1 The presence of objects which must be lighted, as specified in 6.1, shall be indicated by low-, medium- or high-intensity obstacle lights, or a combination of such lights.

6.2.1.2 Low-intensity obstacle lights, Types A B, C, D and E, medium-intensity obstacle lights, Types A, B and C, high-intensity obstacle lights Type A and B, shall be in accordance with the specifications in Table 6-1 and Appendix 1.

6.2.1.3 The number and arrangement of low-, medium- or high-intensity obstacle lights at each level to be marked shall be such that the object is indicated from every angle in azimuth. Where a light is shielded in any direction by another part of the object, or by an adjacent object, additional lights shall be provided on that adjacent object or the part of the object that is shielding the light, in such a way as to retain the general definition of the object to be lighted. If the shielded light does not contribute to the definition of the object to be lighted, it may be omitted.

6.2.2 Mobile objects

Marking

6.2.2.1 All mobile objects to be marked shall be coloured or display flags.

Marking by colour

6.2.2.2 **Recommendation.—** *When mobile objects are marked by colour, a single conspicuous colour, preferably red or yellowish green for emergency vehicles and yellow for service vehicles, should be used.*

Marking by flags

6.2.2.3 Flags used to mark mobile objects shall be displayed around, on top of, or around the highest edge of the object. Flags shall not increase the hazard presented by the object they mark.

6.2.2.4 Flags used to mark mobile objects shall not be less than 0.9 m on each side and shall consist of a chequered pattern, each square having sides of not less than 0.3 m. The colours of the pattern shall contrast each with the other and with the background against which they will be seen. Orange and white or alternatively red and white shall be used, except where such colours merge with the background.

Table 6-1. Characteristics of obstacle lights

1	2	3	4	5	6	7
			Peak intensity (cd) at given Background Luminance (b)			
Light Type	Colour	Signal type/ (flash rate)	Day (Above 500 cd/m²)	Twilight (50-500 cd/m²)	Night (Below 50 cd/m²)	Light Distribution Table
Low-intensity, Type A (fixed obstacle)	Red	Fixed	N/A	N/A	10	Table 6-2
Low-intensity, Type B (fixed obstacle)	Red	Fixed	N/A	N/A	32	Table 6-2
Low-intensity, Type C (mobile obstacle)	Yellow/Blue (a)	Flashing (60-90 fpm)	N/A	40	40	Table 6-2
Low-intensity, Type D (follow-me vehicle)	Yellow	Flashing (60–90 fpm)	N/A	200	200	Table 6-2
Low-intensity, Type E	Red	Flashing (c)	N/A	N/A	32	Table 6-2 (Type B)
Medium-intensity, Type A	White	Flashing (20–60 fpm)	20 000	20 000	2 000	Table 6-3
Medium-intensity, Type B	Red	Flashing (20–60 fpm)	N/A	N/A	2 000	Table 6-3
Medium-intensity, Type C	Red	Fixed	N/A	N/A	2 000	Table 6-3
High-intensity, Type A	White	Flashing (40–60 fpm)	200 000	20 000	2 000	Table 6-3
High-intensity, Type B	White	Flashing (40–60 fpm)	100 000	20 000	2 000	Table 6-3

a) See 6.2.2.6

b) For flashing lights, effective intensity as determined in accordance with the *Aerodrome Design Manual* (Doc 9157), Part 4.

c) For wind turbine application, to flash at the same rate as the lighting on the nacelle.

Table 6-2. Light distribution for low-intensity obstacle lights

	Minimum intensity (a)	Maximum intensity (a)	Vertical beam spread (f)	
			Minimum beam spread	Intensity
Type A	10 cd (b)	N/A	10°	5 cd
Type B	32 cd (b)	N/A	10°	16 cd
Type C	40 cd (b)	400 cd	12° (d)	20 cd
Type D	200 cd (c)	400 cd	N/A (e)	N/A

Note.— This table does not include recommended horizontal beam spreads. 6.2.1.3 requires 360° coverage around an obstacle. Therefore, the number of lights needed to meet this requirement will depend on the horizontal beam spreads of each light as well as the shape of the obstacle. Thus, with narrower beam spreads, more lights will be required.

a) 360° horizontal. For flashing lights, the intensity is read into effective intensity, as determined in accordance with the *Aerodrome Design Manual* (Doc 9157), Part 4.
b) Between 2 and 10° vertical. Elevation vertical angles are referenced to the horizontal when the light is levelled.
c) Between 2 and 20° vertical. Elevation vertical angles are referenced to the horizontal when the light is levelled.
d) Peak intensity should be located at approximately 2.5° vertical.
e) Peak intensity should be located at approximately 17° vertical.
f) Beam spread is defined as the angle between the horizontal plane and the directions for which the intensity exceeds that mentioned in the "intensity" column.

Table 6-3. Light distribution for medium- and high-intensity obstacle lights according to benchmark intensities of Table 6-1

Benchmark intensity	Minimum requirements					Recommendations				
	Vertical elevation angle (b)			Vertical beam spread (c)		Vertical elevation angle (b)			Vertical beam spread (c)	
	0°		-1°			0°	-1°	-10°		
	Minimum average intensity (a)	Minimum intensity (a)	Minimum intensity (a)	Minimum beam spread	Intensity (a)	Maximum intensity (a)	Maximum intensity (a)	Maximum intensity (a)	Maximum beam spread	Intensity (a)
200 000	200 000	150 000	75 000	3°	75 000	250 000	112 500	7 500	7°	75 000
100 000	100 000	75 000	37 500	3°	37 500	125 000	56 250	3 750	7°	37 500
20 000	20 000	15 000	7 500	3°	7 500	25 000	11 250	750	N/A	N/A
2 000	2 000	1 500	750	3°	750	2 500	1 125	75	N/A	N/A

Note.— This table does not include recommended horizontal beam spreads. 6.2.1.3 requires 360° coverage around an obstacle. Therefore, the number of lights needed to meet this requirement will depend on the horizontal beam spreads of each light as well as the shape of the obstacle. Thus, with narrower beam spreads, more lights will be required.

a) 360° horizontal. All intensities are expressed in Candela. For flashing lights, the intensity is read into effective intensity, as determined in accordance with the *Aerodrome Design Manual* (Doc 9157), Part 4.
b) Elevation vertical angles are referenced to the horizontal when the light unit is levelled.
c) Beam spread is defined as the angle between the horizontal plane and the directions for which the intensity exceeds that mentioned in the "intensity" column.
Note.— An extended beam spread may be necessary under specific configuration and justified by an aeronautical study.

Lighting

6.2.2.5 Low-intensity obstacle lights, Type C, shall be displayed on vehicles and other mobile objects excluding aircraft.

Note.— See Annex 2 for lights to be displayed by aircraft.

6.2.2.6 Low-intensity obstacle lights, Type C, displayed on vehicles associated with emergency or security shall be flashing-blue and those displayed on other vehicles shall be flashing-yellow.

6.2.2.7 Low-intensity obstacle lights, Type D, shall be displayed on follow-me vehicles.

6.2.2.8 Low-intensity obstacle lights on objects with limited mobility such as aerobridges shall be fixed-red, and as a minimum be in accordance with the specifications for low-intensity obstacle lights, Type A, in Table 6-1. The intensity of the lights shall be sufficient to ensure conspicuity considering the intensity of the adjacent lights and the general levels of illumination against which they would normally be viewed.

6.2.3 Fixed objects

Note.— The fixed objects of wind turbines are addressed separately in 6.2.4 and the fixed objects of overhead wires, cables, etc., and supporting towers are addressed separately in 6.2.5.

Marking

6.2.3.1 All fixed objects to be marked shall, whenever practicable, be coloured, but if this is not practicable, markers or flags shall be displayed on or above them, except that objects that are sufficiently conspicuous by their shape, size or colour need not be otherwise marked.

Marking by colour

6.2.3.2 **Recommendation.—** *An object should be coloured to show a chequered pattern if it has essentially unbroken surfaces and its projection on any vertical plane equals or exceeds 4.5 m in both dimensions. The pattern should consist of rectangles of not less than 1.5 m and not more than 3 m on a side, the corners being of the darker colour. The colours of the pattern should contrast each with the other and with the background against which they will be seen. Orange and white or alternatively red and white should be used, except where such colours merge with the background. (See Figure 6-1.)*

6.2.3.3 **Recommendation.—** *An object should be coloured to show alternating contrasting bands if:*

a) it has essentially unbroken surfaces and has one dimension, horizontal or vertical, greater than 1.5 m, and the other dimension, horizontal or vertical, less than 4.5 m; or

b) it is of skeletal type with either a vertical or a horizontal dimension greater than 1.5 m.

The bands should be perpendicular to the longest dimension and have a width approximately 1/7 of the longest dimension or 30 m, whichever is less. The colours of the bands should contrast with the background against which they will be seen. Orange and white should be used, except where such colours are not conspicuous when viewed against the background. The bands on the extremities of the object should be of the darker colour. (See Figures 6-1 and 6-2.)

Note.— Table 6-4 shows a formula for determining band widths and for having an odd number of bands, thus permitting both the top and bottom bands to be of the darker colour.

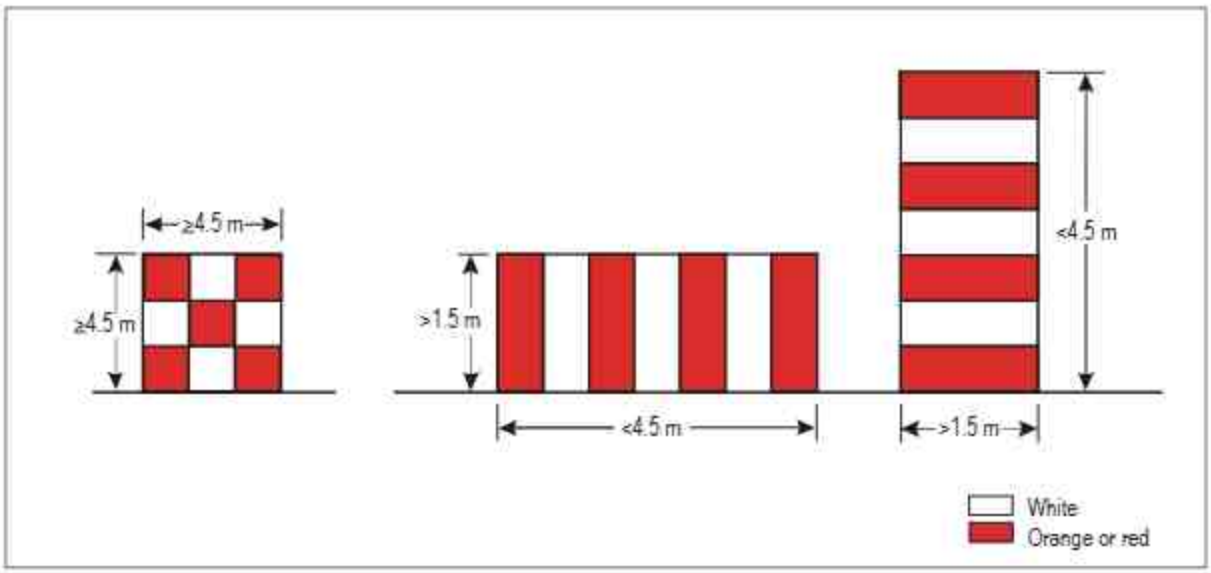


Figure 6-1. Basic marking patterns

Table 6-4. Marking band widths

Longest dimension		
Greater than	Not exceeding	Band width
1.5 m	210 m	1/7 of longest dimension
210 m	270 m	1/9 " " "
270 m	330 m	1/11 " " "
330 m	390 m	1/13 " " "
390 m	450 m	1/15 " " "
450 m	510 m	1/17 " " "
510 m	570 m	1/19 " " "
570 m	630 m	1/21 " " "

6.2.3.4 **Recommendation.—** *An object should be coloured in a single conspicuous colour if its projection on any vertical plane has both dimensions less than 1.5 m. Orange or red should be used, except where such colours merge with the background.*

Note.— Against some backgrounds it may be found necessary to use a different colour from orange or red to obtain sufficient contrast.

Marking by flags

6.2.3.5 Flags used to mark fixed objects shall be displayed around, on top of, or around the highest edge of, the object. When flags are used to mark extensive objects or groups of closely spaced objects, they shall be displayed at least every 15 m. Flags shall not increase the hazard presented by the object they mark.

6.2.3.6 Flags used to mark fixed objects shall not be less than 0.6 m on each side.

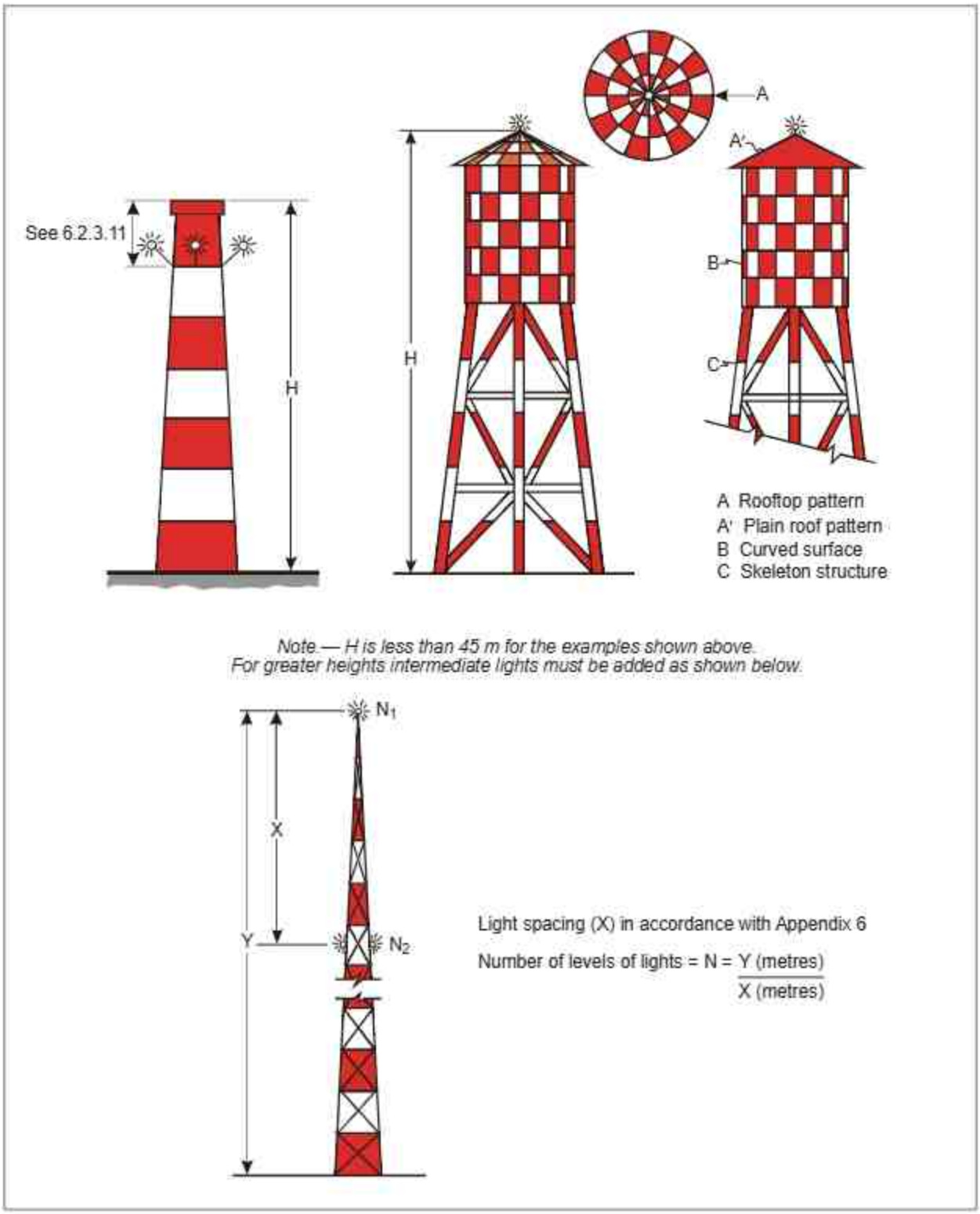


Figure 6-2. Examples of marking and lighting of tall structures

6.2.3.7 **Recommendation.—** *Flags used to mark fixed objects should be orange in colour or a combination of two triangular sections, one orange and the other white, or one red and the other white, except that where such colours merge with the background, other conspicuous colours should be used.*

Marking by markers

6.2.3.8 Markers displayed on or adjacent to objects shall be located in conspicuous positions so as to retain the general definition of the object and shall be recognizable in clear weather from a distance of at least 1 000 m for an object to be viewed from the air and 300 m for an object to be viewed from the ground in all directions in which an aircraft is likely to approach the object. The shape of markers shall be distinctive to the extent necessary to ensure that they are not mistaken for markers employed to convey other information, and they shall be such that the hazard presented by the object they mark is not increased.

6.2.3.9 **Recommendation.—** *A marker should be of one colour. When installed, white and red, or white and orange markers should be displayed alternately. The colour selected should contrast with the background against which it will be seen.*

Lighting

6.2.3.10 In the case of an object to be lighted, one or more low-, medium- or high-intensity obstacle lights shall be located as close as practicable to the top of the object.

Note.— Recommendations on how a combination of low-, medium- and/or high-intensity lights on obstacles should be displayed are given in Appendix 6.

6.2.3.11 **Recommendation.—** *In the case of chimney or other structure of like function, the top lights should be placed sufficiently below the top so as to minimize contamination by smoke, etc. (See Figure 6-2).*

6.2.3.12 In the case of a tower or antenna structure indicated by high-intensity obstacle lights by day with an appurtenance, such as a rod or an antenna, greater than 12 m where it is not practicable to locate a high-intensity obstacle light on the top of the appurtenance, such a light shall be located at the highest practicable point and, if practicable, a medium-intensity obstacle light, Type A, mounted on the top.

6.2.3.13 In the case of an extensive object or of a group of closely spaced objects to be lighted that are:

a) penetrating a horizontal obstacle limitation surface (OLS) or located outside an OLS, the top lights shall be so arranged as to at least indicate the points or edges of the object highest in relation to the obstacle limitation surface or above the ground, and so as to indicate the general definition and the extent of the objects; and

b) penetrating a sloping OLS, the top lights shall be so arranged as to at least indicate the points or edges of the object highest in relation to the OLS, and so as to indicate the general definition and the extent of the objects. If two or more edges are of the same height, the edge nearest the landing area shall be marked.

6.2.3.14 **Recommendation.—** *When the obstacle limitation surface concerned is sloping and the highest point above the OLS is not the highest point of the object, additional obstacle lights should be placed on the highest point of the object.*

6.2.3.15 Where lights are applied to display the general definition of an extensive object or a group of closely spaced objects, and

a) low-intensity lights are used, they shall be spaced at longitudinal intervals not exceeding 45 m; and

b) medium-intensity lights are used, they shall be spaced at longitudinal intervals not exceeding 900 m.

6.2.3.16 High-intensity obstacle lights, Type A, and medium-intensity obstacle lights, Types A and B, located on an object shall flash simultaneously.

6.2.3.17 **Recommendation.—** *The installation setting angles for high-intensity obstacle lights, Type A, should be in accordance with Table 6-5.*

Note.— High-intensity obstacle lights are intended for day use as well as night use. Care is needed to ensure that these lights do not create disconcerting dazzle. Guidance on the design, location and operation of high-intensity obstacle lights is given in the Aerodrome Design Manual *(Doc 9157), Part 4.*

6.2.3.18 **Recommendation.—** *Where, in the opinion of the appropriate authority, the use of high-intensity obstacle lights, Type A, or medium-intensity obstacle lights, Type A, at night may dazzle pilots in the vicinity of an aerodrome (within approximately 10 000 m radius) or cause significant environmental concerns, a dual obstacle lighting system should be provided. This system should be composed of high-intensity obstacle lights, Type A, or medium-intensity obstacle lights, Type A, as appropriate, for daytime and twilight use and medium-intensity obstacle lights, Type B or C, for night-time use.*

Lighting of objects with a height less than 45 m above ground level

6.2.3.19 **Recommendation.—** *Low-intensity obstacle lights, Type A or B, should be used where the object is a less extensive one and its height above the surrounding ground is less than 45 m.*

6.2.3.20 **Recommendation.—** *Where the use of low-intensity obstacle lights, Type A or B, would be inadequate or an early special warning is required, then medium- or high-intensity obstacle lights should be used.*

6.2.3.21 **Recommendation.—** *Low-intensity obstacle lights, Type B, should be used either alone or in combination with medium-intensity obstacle lights, Type B, in accordance with 6.2.3.22.*

6.2.3.22 **Recommendation.—** *Medium-intensity obstacle lights, Type A, B or C, should be used where the object is an extensive one. Medium-intensity obstacle lights, Types A and C, should be used alone, whereas medium-intensity obstacle lights, Type B, should be used either alone or in combination with low-intensity obstacle lights, Type B.*

Note.— A group of buildings is regarded as an extensive object.

Lighting of objects with a height 45 m to a height less than 150 m above ground level

6.2.3.23 **Recommendation.—** *Medium-intensity obstacle lights, Type A, B or C, should be used. Medium-intensity obstacle lights, Types A and C, should be used alone, whereas medium-intensity obstacle lights, Type B, should be used either alone or in combination with low-intensity obstacle lights, Type B.*

6.2.3.24 Where an object is indicated by medium-intensity obstacle lights, Type A, and the top of the object is more than 105 m above the level of the surrounding ground or the elevation of tops of nearby buildings (when the object to be marked is surrounded by buildings), additional lights shall be provided at intermediate levels. These additional intermediate lights shall be spaced as equally as practicable, between the top lights and ground level or the level of tops of nearby buildings, as appropriate, with the spacing not exceeding 105 m.

6.2.3.25 Where an object is indicated by medium-intensity obstacle lights, Type B, and the top of the object is more than 45 m above the level of the surrounding ground or the elevation of tops of nearby buildings (when the object to be marked is surrounded by buildings), additional lights shall be provided at intermediate levels. These additional intermediate lights shall be alternately low-intensity obstacle lights, Type B, and medium-intensity obstacle lights, Type B, and shall be

spaced as equally as practicable between the top lights and ground level or the level of tops of nearby buildings, as appropriate, with the spacing not exceeding 52 m.

6.2.3.26 Where an object is indicated by medium-intensity obstacle lights, Type C, and the top of the object is more than 45 m above the level of the surrounding ground or the elevation of tops of nearby buildings (when the object to be marked is surrounded by buildings), additional lights shall be provided at intermediate levels. These additional intermediate lights shall be spaced as equally as practicable, between the top lights and ground level or the level of tops of nearby buildings, as appropriate, with the spacing not exceeding 52 m.

6.2.3.27 Where high-intensity obstacle lights, Type A, are used, they shall be spaced at uniform intervals not exceeding 105 m between the ground level and the top light(s) specified in 6.2.3.10, except that where an object to be marked is surrounded by buildings, the elevation of the tops of the buildings may be used as the equivalent of the ground level when determining the number of light levels.

Lighting of objects with a height 150 m or more above ground level

6.2.3.28 **Recommendation.—** *High-intensity obstacle lights, Type A, should be used to indicate the presence of an object if its height above the level of the surrounding ground exceeds 150 m and an aeronautical study indicates such lights to be essential for the recognition of the object by day.*

6.2.3.29 Where high-intensity obstacle lights, Type A, are used, they shall be spaced at uniform intervals not exceeding 105 m between the ground level and the top light(s) specified in 6.2.3.10, except that where an object to be marked is surrounded by buildings, the elevation of the tops of the buildings may be used as the equivalent of the ground level when determining the number of light levels.

6.2.3.30 **Recommendation.—** *Where, in the opinion of the appropriate authority, the use of high-intensity obstacle lights, Type A, at night may dazzle pilots in the vicinity of an aerodrome (within approximately 10 000 m radius) or cause significant environmental concerns, medium-intensity obstacle lights, Type C, should be used alone, whereas medium-intensity obstacle lights, Type B, should be used either alone or in combination with low-intensity obstacle lights, Type B.*

6.2.3.31 Where an object is indicated by medium-intensity obstacle lights, Type A, additional lights shall be provided at intermediate levels. These additional intermediate lights shall be spaced as equally as practicable, between the top lights and ground level or the level of tops of nearby buildings, as appropriate, with the spacing not exceeding 105 m.

6.2.3.32 Where an object is indicated by medium-intensity obstacle lights, Type B, additional lights shall be provided at intermediate levels. These additional intermediate lights shall be alternately low-intensity obstacle lights, Type B, and medium-intensity obstacle lights, Type B, and shall be spaced as equally as practicable between the top lights and ground level or the level of tops of nearby buildings, as appropriate, with the spacing not exceeding 52 m.

6.2.3.33 Where an object is indicated by medium-intensity obstacle lights, Type C, additional lights shall be provided at intermediate levels. These additional intermediate lights shall be spaced as equally as practicable, between the top lights and ground level or the level of tops of nearby buildings, as appropriate, with the spacing not exceeding 52 m.

6.2.4 Wind turbines

6.2.4.1 A wind turbine shall be marked and/or lighted if it is determined to be an obstacle.

Note 1.— Additional lighting or markings may be provided where in the opinion of the State such lighting or markings are deemed necessary.

Note 2.— See 4.3.1 and 4.3.2

Markings

6.2.4.2 **Recommendation.—** *The rotor blades, nacelle and upper 2/3 of the supporting mast of wind turbines should be painted white, unless otherwise indicated by an aeronautical study.*

Lighting

6.2.4.3 **Recommendation.—** *When lighting is deemed necessary, in the case of a wind farm, i.e. a group of two or more wind turbines, the wind farm should be regarded as an extensive object and the lights should be installed:*

a) to identify the perimeter of the wind farm;

b) respecting the maximum spacing, in accordance with 6.2.3.15, between the lights along the perimeter, unless a dedicated assessment shows that a greater spacing can be used;

c) so that, where flashing lights are used, they flash simultaneously throughout the wind farm;

d) so that, within a wind farm, any wind turbines of significantly higher elevation are also identified wherever they are located; and

e) at locations prescribed in a), b) and d), respecting the following criteria:

i) for wind turbines of less than 150 m in overall height (hub height plus vertical blade height), medium-intensity lighting on the nacelle should be provided;

ii) for wind turbines from 150 m to 315 m in overall height, in addition to the medium-intensity light installed on the nacelle, a second light serving as an alternate should be provided in case of failure of the operating light. The lights should be installed to assure that the output of either light is not blocked by the other; and

iii) in addition, for wind turbines from 150 m to 315 m in overall height, an intermediate level at half the nacelle height of at least three low-intensity Type E lights, as specified in 6.2.1.3, should be provided. If an aeronautical study shows that low-intensity Type E lights are not suitable, low-intensity Type A or B lights may be used.

Note.— The above 6.2.4.3 e) does not address wind turbines of more than 315 m of overall height. For such wind turbines, additional marking and lighting may be required as determined by an aeronautical study.

6.2.4.4 **Recommendation.—** *The obstacle lights should be installed on the nacelle in such a manner as to provide an unobstructed view for aircraft approaching from any direction.*

6.2.4.5 **Recommendation.—** *Where lighting is deemed necessary for a single wind turbine or short line of wind turbines, the installation should be in accordance with 6.2.4.3 e) or as determined by an aeronautical study.*

6.2.5 Overhead wires, cables, etc., and supporting towers

Marking

6.2.5.1 **Recommendation.—** *The wires, cables, etc., to be marked should be equipped with markers; the supporting tower should be coloured.*

Marking by colours

6.2.5.2 **Recommendation.—** *The supporting towers of overhead wires, cables, etc., that require marking should be marked in accordance with 6.2.3.1 to 6.2.3.4, except that the marking of the supporting towers may be omitted when they are lighted by high-intensity obstacle lights by day.*

Marking by markers

6.2.5.3 Markers displayed on or adjacent to objects shall be located in conspicuous positions so as to retain the general definition of the object and shall be recognizable in clear weather from a distance of at least 1 000 m for an object to be viewed from the air and 300 m for an object to be viewed from the ground in all directions in which an aircraft is likely to approach the object. The shape of markers shall be distinctive to the extent necessary to ensure that they are not mistaken for markers employed to convey other information, and they shall be such that the hazard presented by the object they mark is not increased.

6.2.5.4 **Recommendation.—** *A marker displayed on an overhead wire, cable, etc., should be spherical and have a diameter of not less than 60 cm.*

6.2.5.5 **Recommendation.—** *The spacing between two consecutive markers or between a marker and a supporting tower should be appropriate to the diameter of the marker, but in no case should the spacing exceed:*

a) 30 m where the marker diameter is 60 cm progressively increasing with the diameter of the marker to

b) 35 m where the marker diameter is 80 cm and further progressively increasing to a maximum of

c) 40 m where the marker diameter is of at least 130 cm.

Where multiple wires, cables, etc., are involved, a marker should be located not lower than the level of the highest wire at the point marked.

6.2.5.6 **Recommendation.—** *A marker should be of one colour. When installed, white and red, or white and orange markers should be displayed alternately. The colour selected should contrast with the background against which it will be seen.*

6.2.5.7 **Recommendation.—** *When it has been determined that an overhead wire, cable, etc., needs to be marked but it is not practicable to install markers on the wire, cable, etc., then high-intensity obstacle lights, Type B, should be provided on their supporting towers.*

Lighting

6.2.5.8 **Recommendation.—** *High-intensity obstacle lights, Type B, should be used to indicate the presence of a tower supporting overhead wires, cables, etc., where:*

a) an aeronautical study indicates such lights to be essential for the recognition of the presence of wires, cables, etc.; or

b) it has not been found practicable to install markers on the wires, cables, etc.

6.2.5.9 Where high-intensity obstacle lights, Type B, are used, they shall be located at three levels:

— at the top of the tower;
— at the lowest level of the catenary of the wires or cables; and
— at approximately midway between these two levels.

Note.— In some cases, this may require locating the lights off the tower.

6.2.5.10 **Recommendation.—** *High-intensity obstacle lights, Type B, indicating the presence of a tower supporting overhead wires, cables, etc., should flash sequentially; first the middle light, second the top light and last, the bottom light. The intervals between flashes of the lights should approximate the following ratios:*

Flash interval between	Ratio of cycle time
middle and top light	*1/13*
top and bottom light	*2/13*
bottom and middle light	*10/13.*

Note.— High-intensity obstacle lights are intended for day use as well as night use. Care is needed to ensure that these lights do not create disconcerting dazzle. Guidance on the design, operation and the location of high-intensity obstacle lights is given in the Aerodrome Design Manual *(Doc 9157), Part 4.*

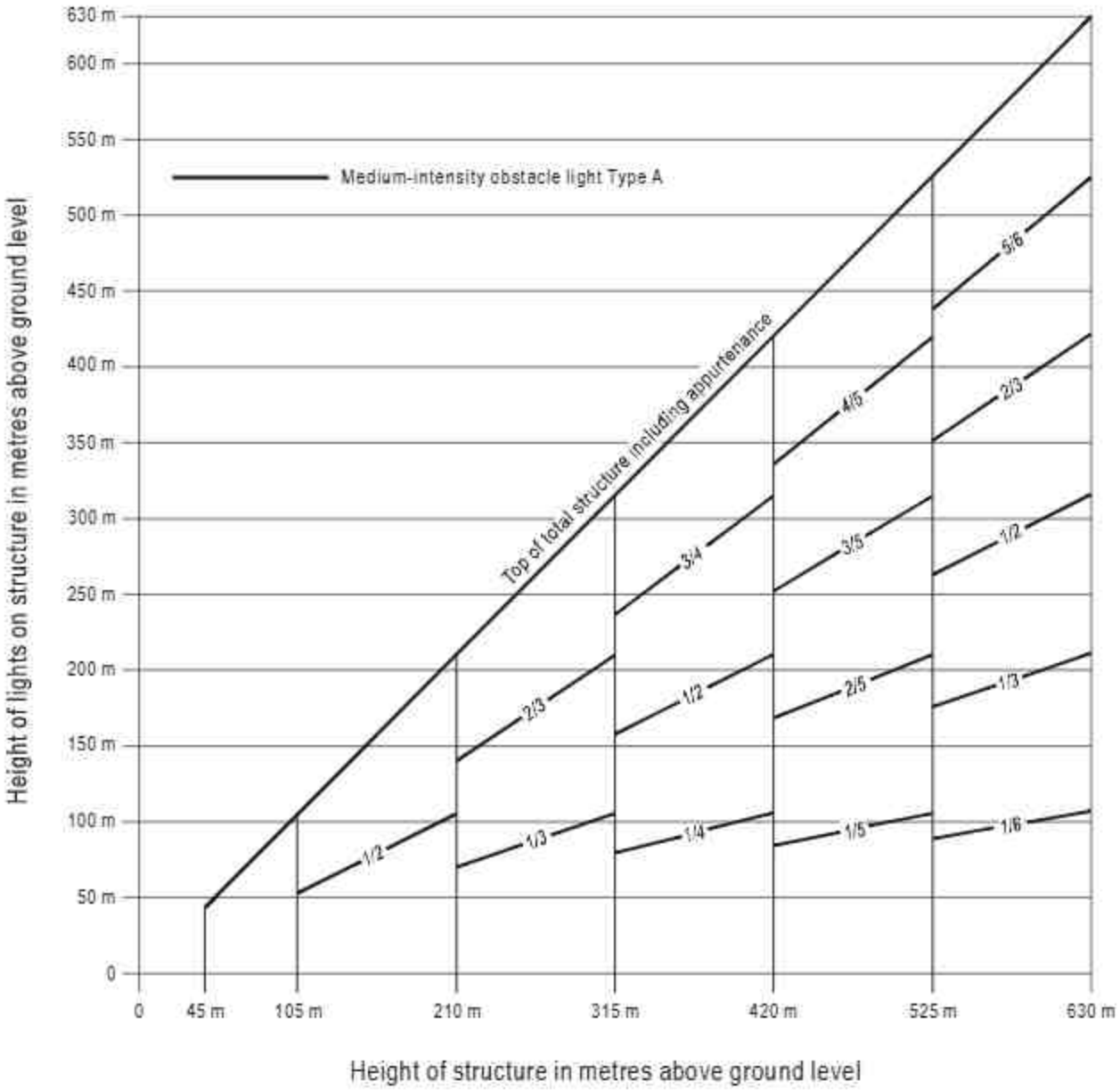
6.2.5.11 **Recommendation.—** *Where, in the opinion of the appropriate authority, the use of high-intensity obstacle lights, Type B, at night may dazzle pilots in the vicinity of an aerodrome (within approximately 10 000 m radius) or cause significant environmental concerns, a dual obstacle lighting system should be provided. This system should be composed of high-intensity obstacle lights, Type B, for daytime and twilight use and medium-intensity obstacle lights, Type B, for night-time use. Where medium-intensity lights are used they should be installed at the same level as the high-intensity obstacle light Type B.*

6.2.5.12 ***Recommendation.—*** *The installation setting angles for high-intensity obstacle lights, Type B, should be in accordance with Table 6-5.*

Table 6-5. Installation setting angles for high-intensity obstacle lights

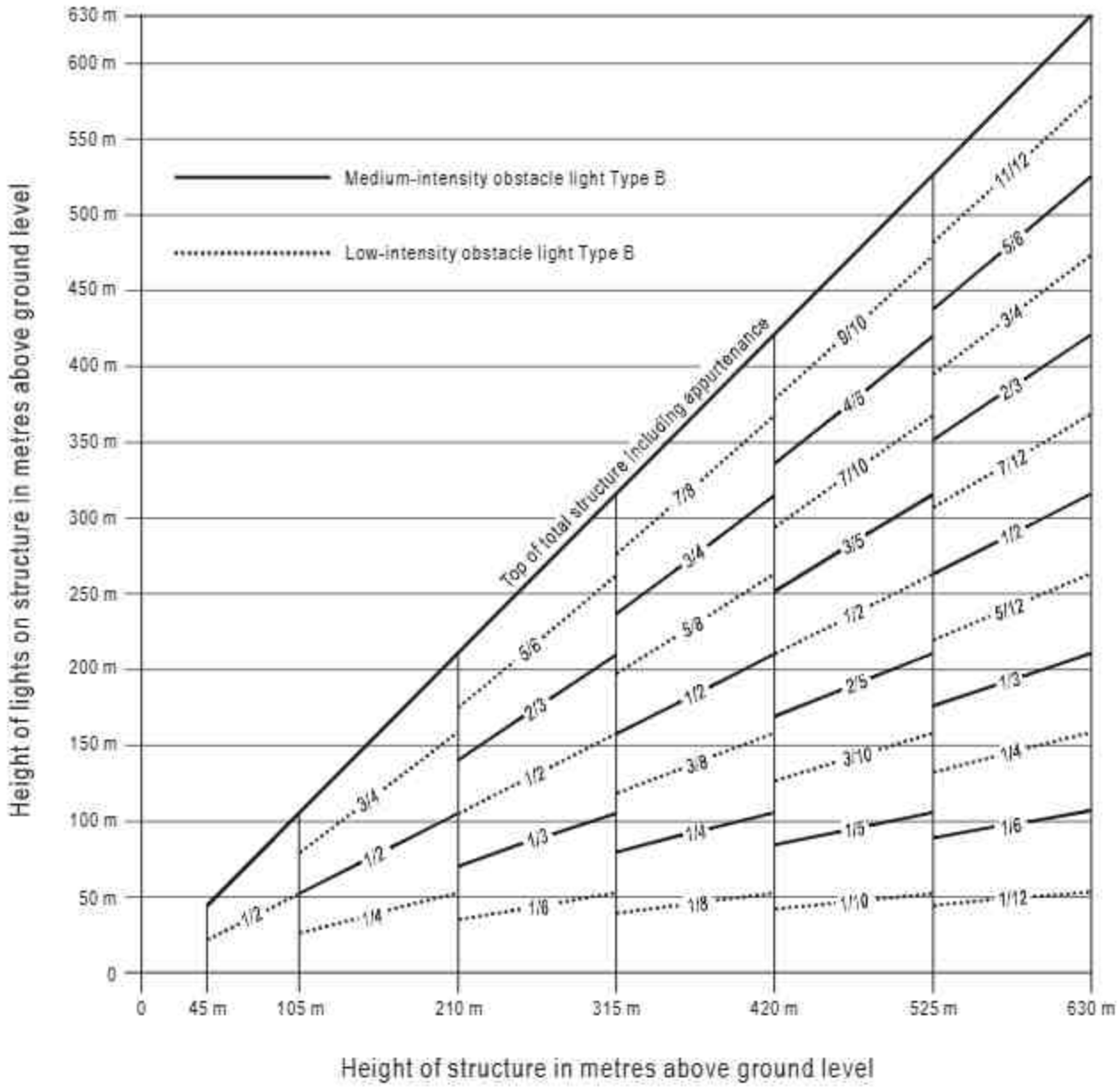
Height of light unit above terrain (AGL)		Angle of the peak of the beam above the horizontal
Greater than	Not exceeding	
151 m		0°
122 m	151 m	1°
92 m	122 m	2°
	92 m	3°

APPENDIX 6. LOCATION OF LIGHTS ON OBSTACLES



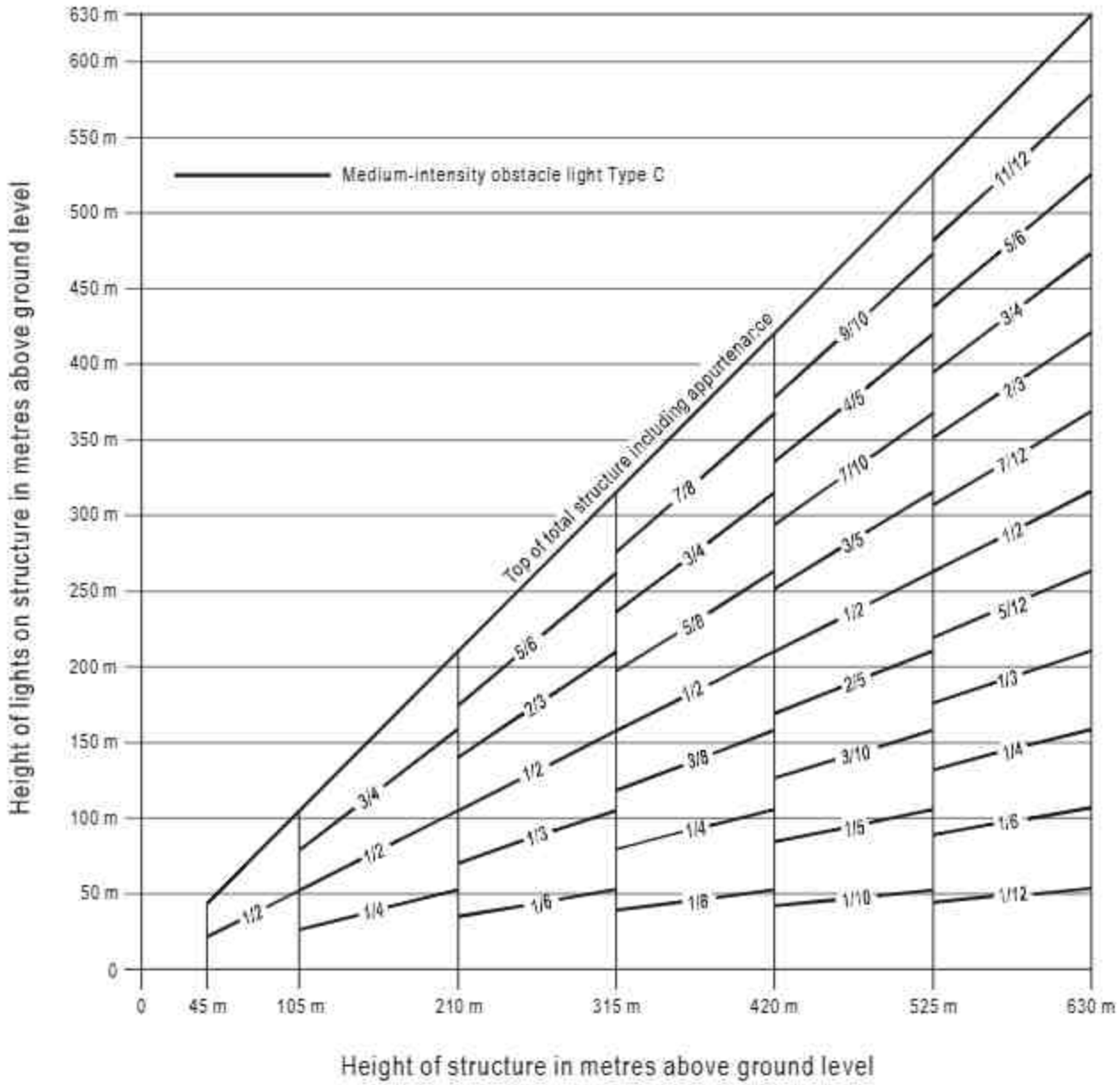
Note.— High-intensity obstacle lighting is recommended on structures with a height of more than 150 m above ground level. If medium-intensity lighting is used, marking will also be required.

Figure A6-1. Medium-intensity flashing-white obstacle lighting system, Type A



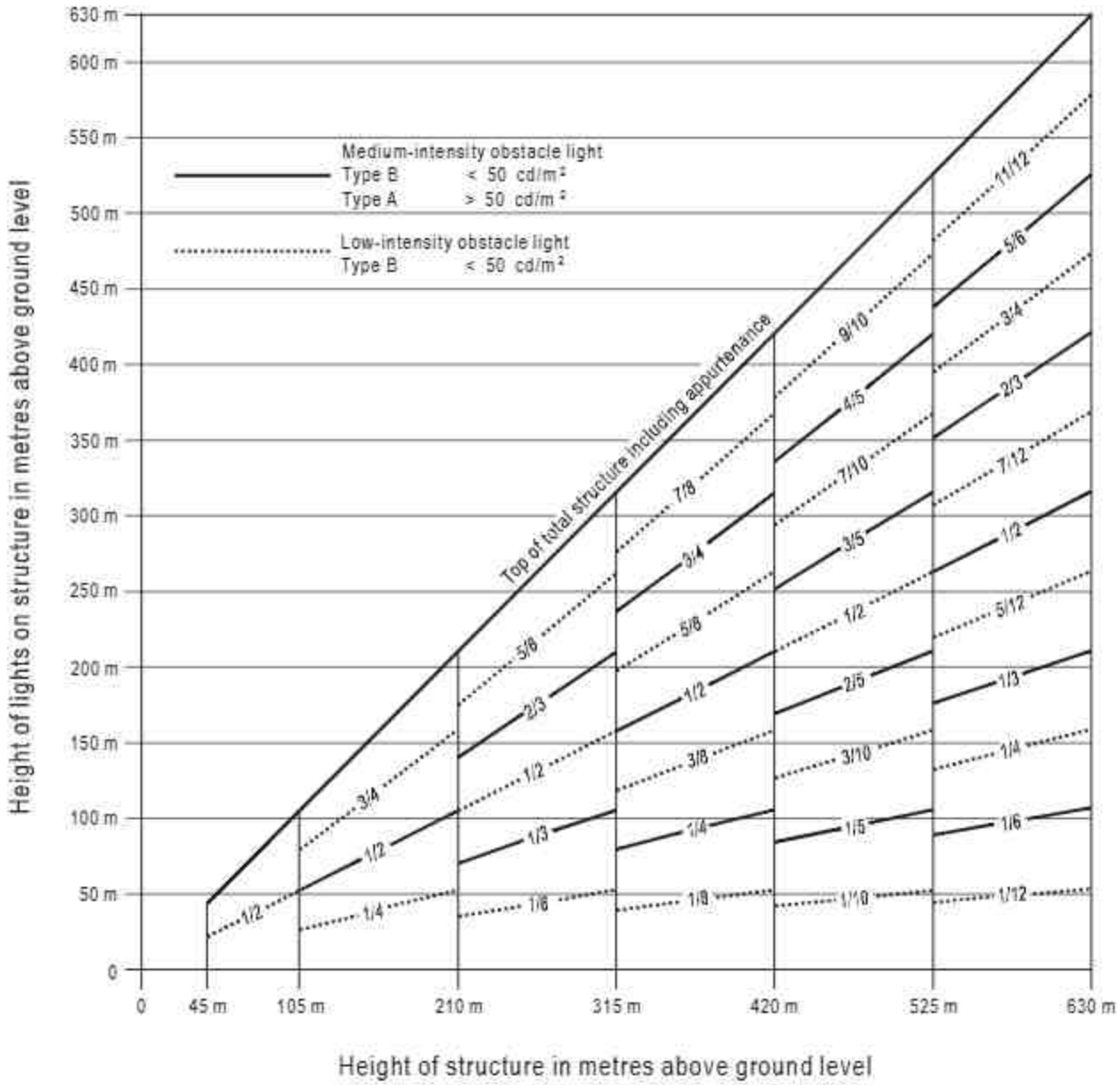
Note.— For night-time use only.

Figure A6-2. Medium-intensity flashing-red obstacle lighting system, Type B



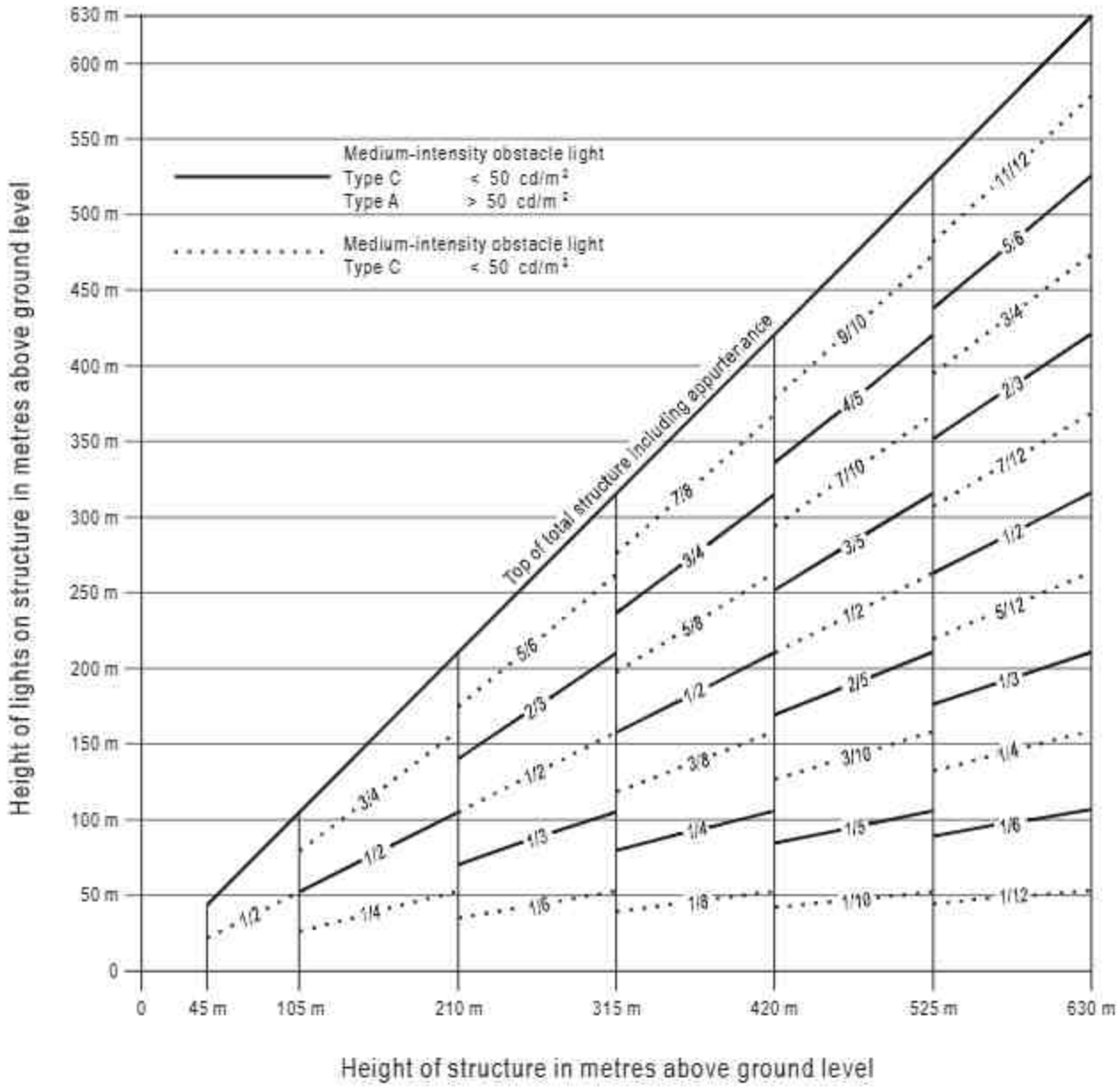
Note.— For night-time use only.

Figure A6-3. Medium-intensity fixed-red obstacle lighting system, Type C



Note.— High-intensity obstacle lighting is recommended on structures with a height of more than 150 m above ground level. If medium-intensity lighting is used, marking will also be required.

Figure A6-4. Medium-intensity dual obstacle lighting system, Type A/Type B



Note.— High-intensity obstacle lighting is recommended on structures with a height of more than 150 m above ground level. If medium-intensity lighting is used, marking will also be required.

Figure A6-5. Medium-intensity dual obstacle lighting system, Type A/Type C

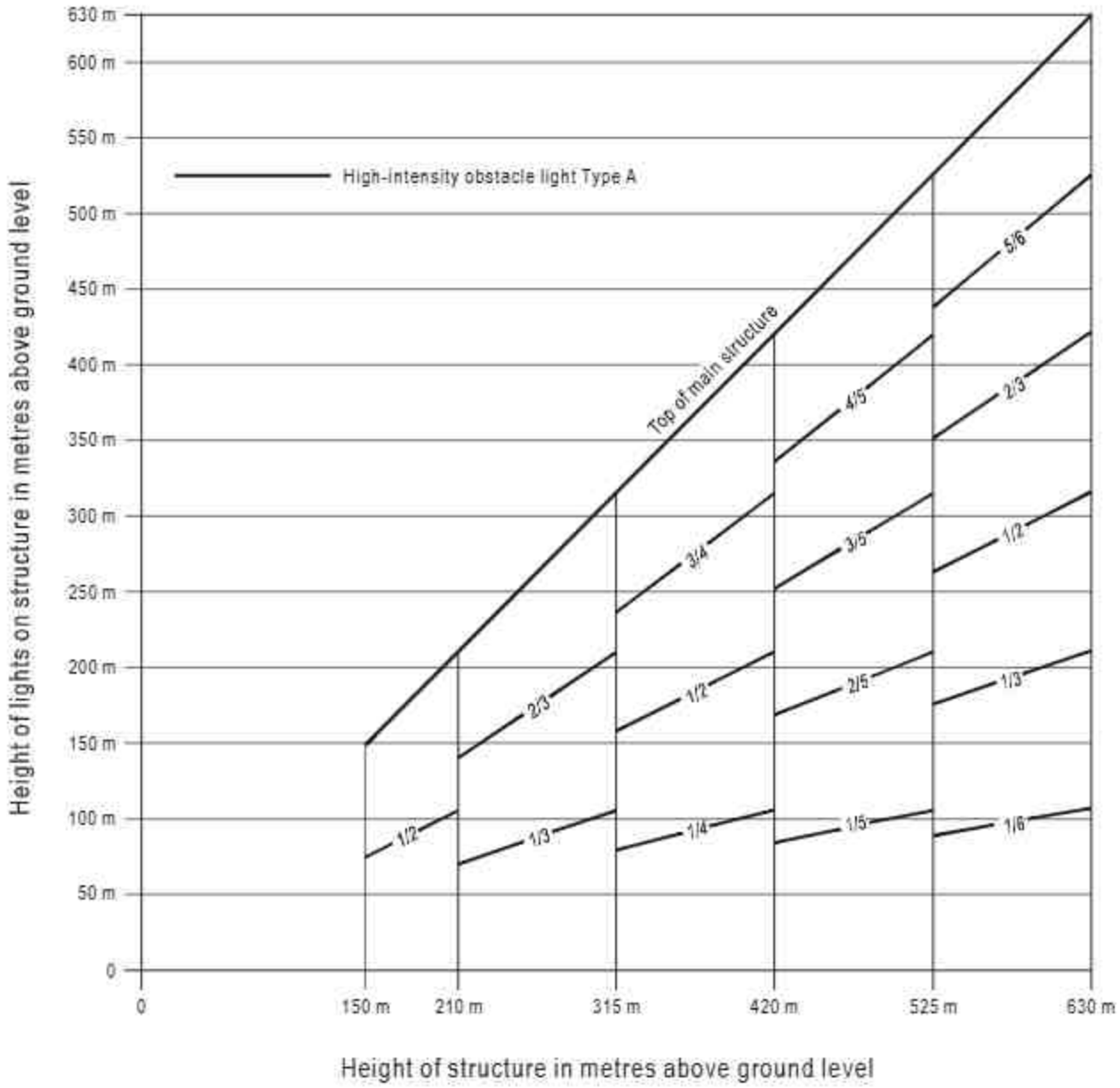


Figure A6-6. High-intensity flashing-white obstacle lighting system, Type A

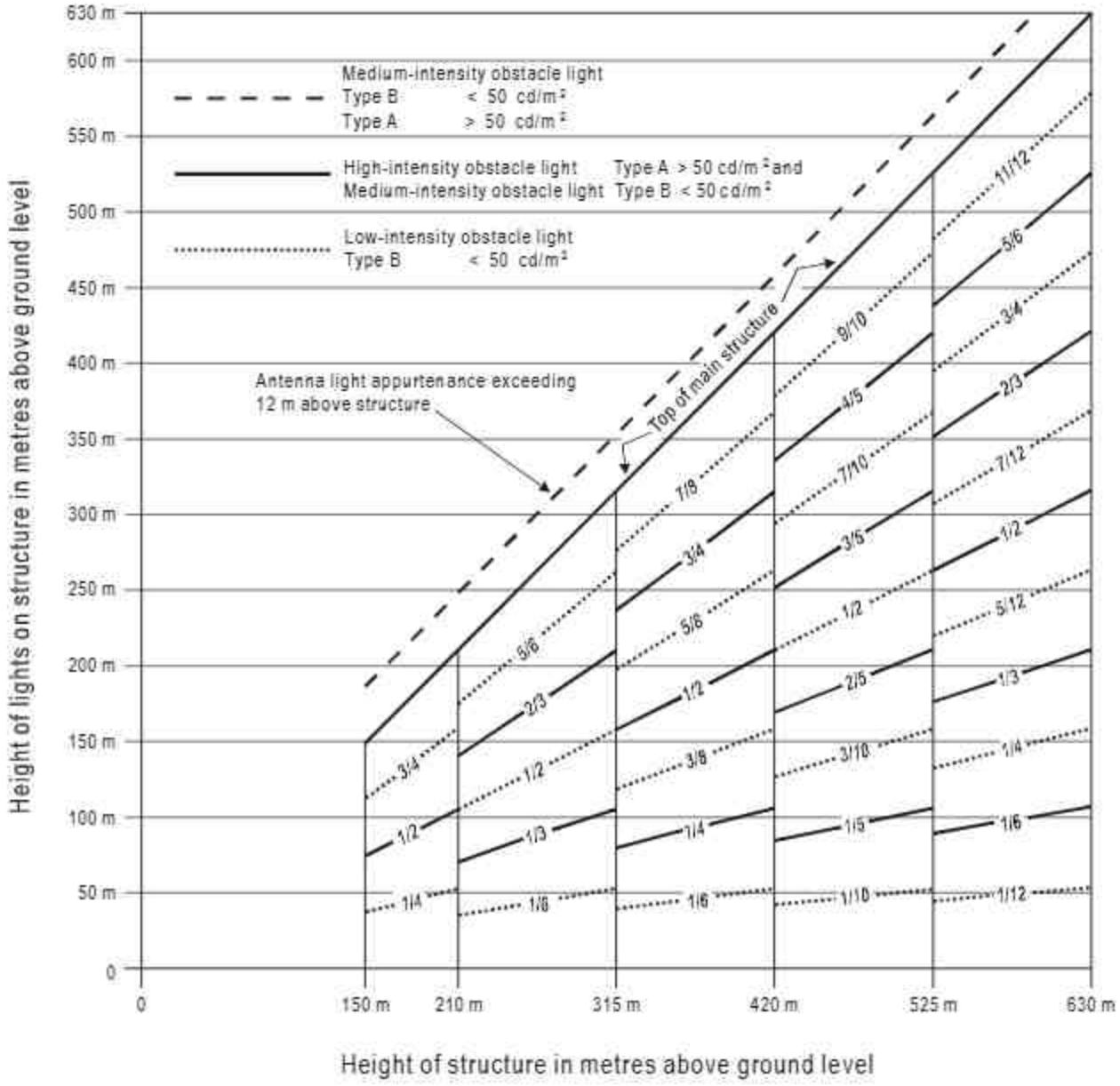


Figure A6-7. High-/medium-intensity dual obstacle lighting system, Type A/Type B

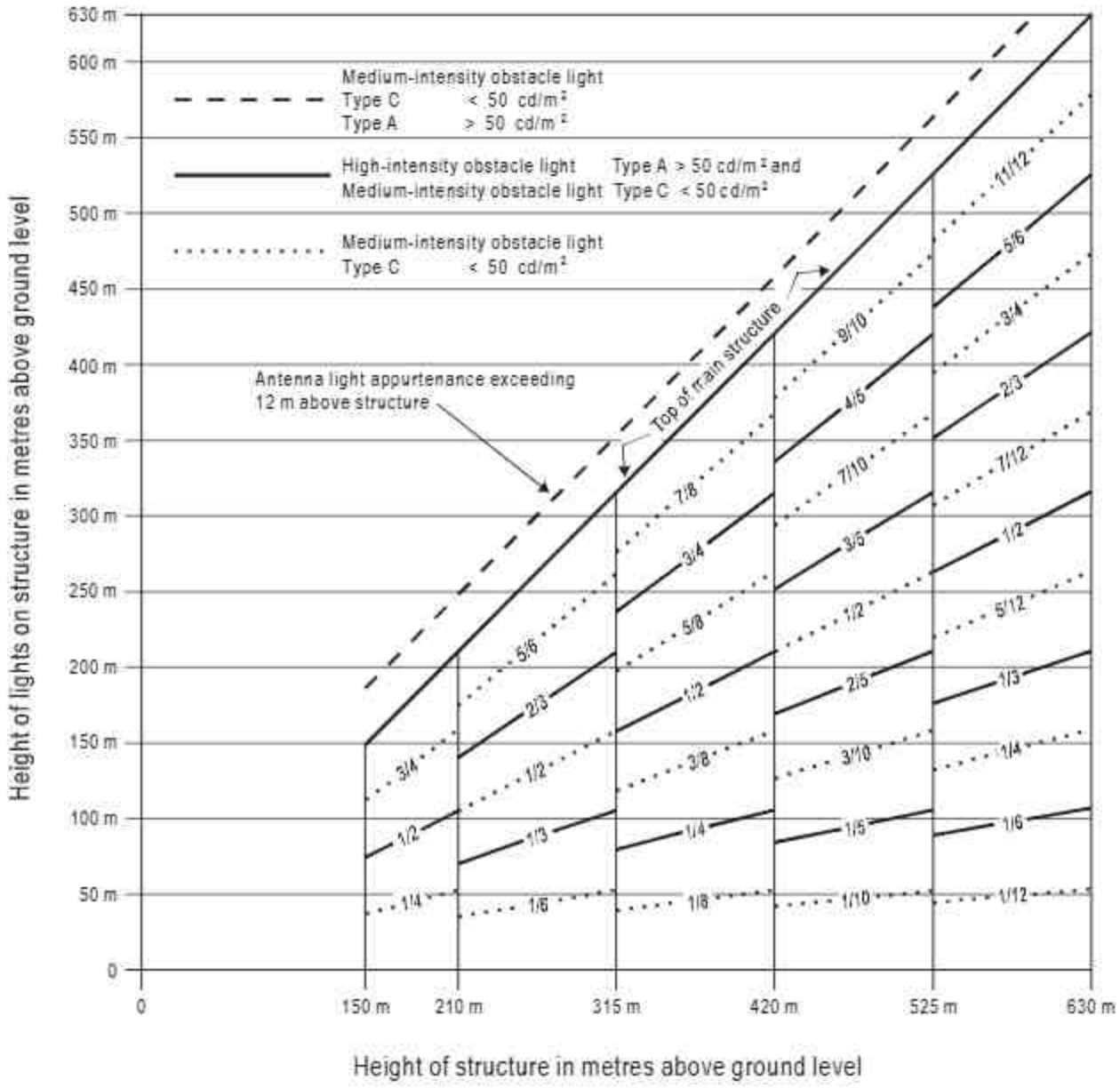


Figure A6-8. High-/medium-intensity dual obstacle lighting system, Type A/Type C

Annexure-04

Government of India
Ministry of Railways
(Railway Board)

RBA.No 92 /2022

No. 2022/ACII/2/1 **New Delhi, Dated 6. 6.2022.**

1. General Managers/ PFA etc (As per Standard list I).
2. All Attached Offices/ Subordinate Offices (As per standard list II)

Sub: Revised Codal life of Assets.

***

Kindly refer to para 219 of Indian Railway Finance Code, Vol-1, detailing the normal life of various assets. In this regard Electrical, Mechanical and Signalling Directorates have proposed revision of codal life of certain assets. The same have been examined by the multidisciplinary Executive Directors' Committee set up in Railway Board. Their recommendations have been accepted by Board. Accordingly, Advance Correction Slip No. 92 amending Para 219, Indian Railway Finance Code Vol-I is enclosed for information and necessary action.

Encl: As above.

(Sanjeev Sharma)
OSD/Accounts
Railway Board

Copy to :

1. DyC&AG of India (Railways), Room No. 224, Rail Bhawan, New Delhi (with 45 spare copies).
2. GM/ Const/NFR, CAO/CE (Const)/All Indian Railways.
3. PED/A, PED/CE/Planning, PED/EE (Development), EDME/Freight and ED/Signal
4. ACI(Comp), ACIII (6 copies), ACI V, Code revision, Accounts Inspection, Accounts Appropriation, Finance (Budget).
5 Advisor/MR, OSD/MR, OSD/Co-ord/MR, Additional PS/MR

Advance Correction slip No.92
Indian Railway Finance Code —Volume -I (1998) Para 219:

1. *Replace the existing class of assets and their average life in the table given under Para 219 Indian Railway Finance Code —Volume -I (1998) as under.*
2. *Codal life of other items not covered in the ACS will remain as per extant instructions for those items*

(iii) ELECTRICAL ASSETS

S.No	Class of Assets		Average life	Remarks
14	Water Cooler, Refrigeration, Air Conditioner, hospital and domestic appliance		10	Actual replacement shall be based on condition of the asset
15	Internal wiring of building	a) Coastal area	15	Actual replacement shall be based on condition of the asset
		b) Non-coastal area	20	Actual replacement shall be based on condition of the asset
18	Electric Pumps		20	Actual replacement shall be based on condition of the asset

B) Equipments required for replacement through DRF/ Sinking Fund.

11) TRD Equipments				
iii)	**Lightning Arrestor (Gapless Type)**			
	(a) (42kV)		15	Actual replacement shall be based on condition of the asset
	(b) (96kV/120kV/ 198kV)		20	Actual replacement shall be based on condition of the asset
vi)	Battery Charger		20	Actual replacement shall be based on condition of the asset
xii)	**OHE conductors & components – For Normal Zone**			
b)	**Other than fixed structures**			
i)	**a)** Cantilevers assembly		45	Actual replacement shall be based on condition of the asset
i)	**b)** All type of insulators	**(a)** Porcelain	40	Actual replacement shall be based on condition of the asset
		(b) Composite	25	Actual replacement shall be based on condition of the asset

Contd 2

ii)	Isolators/ATD	**(a)** Isolators	30	Actual replacement shall be based on condition of the asset
		(b) ATD	32	Actual replacement shall be based on condition of the asset
c)	**Wires**			
ii)	Contact Wire	45		Actual replacement shall be based on condition of the asset
xiii)	**OHE conductors & components – For Polluted Zone**** *** Definition of Polluted Zone for item xiii under OHE Conductors & components (for polluted zone)- Zones having ESDD (Equivalent Salt Deposit Density) >0.3 should be considered as polluted zone.*			
i	Cantilever assembly and All type of insulators	Cantilever assembly	45	Actual replacement shall be based on condition of the asset
		Insulators:		
		Composite	25	Actual replacement shall be based on condition of the asset
ii	ATD		24	Actual replacement shall be based on condition of the asset
iii	Contact Wire	**(a)** Silver brazed / ERBW	40 years / on the basis of condemning dia. whichever is earlier	Actual replacement shall be based on condition of the asset
		(b) Continuous Cast (CC) type	45years/on the basis of condemning dia. whichever is earlier	
xiv)	**PSI Equipments**			
(a)	**Substation's Equipments**			
iii)	Fixed capacitor bank		20	Actual replacement shall be based on condition of the asset

(IV) MECHANICAL ASSET

S.No.	Class of Assets	Average life in years	Remarks
1	Machine tools like lathes, Planners, Drilling, Boring and Milling machines etc.	20	Actual replacement shall be based on condition of the asset
2	High Precision and special purpose machines like Wheels lathes	20	Actual replacement shall be based on condition of the asset
3	Tool room and testing Laboratory equipment	15	Actual replacement shall be based on condition of the asset
4	Foundry and Forge Equipment	20	Actual replacement shall be based on condition of the asset
5	Heat Treatment equipment	20	Actual replacement shall be based on condition of the asset
6	EOT Cranes	36	Actual replacement shall be based on condition of the asset
7	Power Generation Machinery & Switches	Deleted	
8	General purpose light machinery e.g. band saw, floor grinder etc.	15	Actual replacement shall be based on condition of the asset
9	Air compressors	20	Actual replacement shall be based on condition of the asset
10	Other miscellaneous machines e.g. light cleaning machines, test equipment in loco sheds, workshops, depot & sick lines	Deleted	
11	(i) Construction Machinery equipment	Deleted	
	(ii) Track maintenance Equipment		
	(a)Tamping, Ballast cleaning & handling, DTS and relaying machines	20	Actual replacement shall be based on condition of the asset
	(b) Material handling machines	25	Actual replacement shall be based on condition of the asset
	(c) Rail Grinding Machines	15	Actual replacement shall be based on condition of the asset

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S.No.	Class of Assets	Average life in years	Remarks
13	Miscellaneous machinery and equipment for hospital, offices etc.	10	Actual replacement shall be based on condition of the asset
14	Mechanical Weigh Bridges	Deleted	
15	Electronic in motion weigh Bridges	12	Actual replacement shall be based on condition of the asset
16	Wheel impact Load detector(WILD)	12	Actual replacement shall be based on condition of the asset
17	Diesel pumps	15	Actual replacement shall be based on condition of the asset
18	Welding equipments	10	Actual replacement shall be based on condition of the asset
19	Diesel Refrigeration equipment	Deleted	
20	Material Handling equipment like FLT, Lister trucks etc.	10	Actual replacement shall be based on condition of the asset
21	Traversers	25	Actual replacement shall be based on condition of the asset
22	Fuel Station Dispensation Equipment	10	Actual replacement shall be based on condition of the asset
23	(i) Bulldozers and	20	Actual replacement shall be based on condition of the asset
	(ii) other earth moving equipment	Deleted.	
24	Motor Boats	15	Actual replacement shall be based on condition of the asset
25	Hydraulic Re-railing Equipment	16	Actual replacement shall be based on condition of the asset
ROAD VEHICLES			
26	Staff cars including Jeeps	7	Actual replacement shall be based on condition of the asset

5

S.No.	Class of Assets	Average life in years	Remarks
27	Light motor vehicles	10 years for Diesel and 15 years for Petrol as per norms.	Actual replacement shall be based on condition of the asset
28	Heavy Motor vehicles		Actual replacement shall be based on condition of the asset
29	Tractors		Actual replacement shall be based on condition of the asset

(IV) MECHANICAL ASSET

ROLLING STOCK

S.No	Class of Assets	Average life in years	Remarks
40	**Open Bogie wagons with air brakes and casnub bogies**		
a)	BOXN, BOY, BOBRN, BOBSN	35 years (subject to outcome of structural and financial justification to be conducted for extension beyond 30 years) .	Actual replacement shall be based on condition of the asset
b)	BOBYN	38.	Actual replacement shall be based on condition of the asset
c)	Other open wagons	30	Actual replacement shall be based on condition of the asset
41	**Bogie tank wagons with air brakes and Casnub bogies**		
a)	BTPN	45 years (subject to outcome of structural audit to be conducted for extension beyond 40 years).	Actual replacement shall be based on condition of the asset
b)	Other tank wagons	40	Actual replacement shall be based on condition of the asset
42	**All other types of Bogie wagons with air brakes and Casnub bogies**		
a)	BCN	40 years (subject to outcome of structural audit and financial justification to be conducted for extension beyo nd 35 years).	Actual replacement shall be based on condition of the asset
b)	All other wagons	35	Actual replacement shall be based on condition of the asset
43	Open Wagons with vacuum brakes and UIC bogies	Deleted	
44	Other Wagons with vacuum brakes and UIC bogies	Deleted	
45	4-wheeler wagons (open and covered)	Deleted	
46	4-wheeler tank Wagons (with plain bearings)	Deleted	
47	4-wheeler tank wagons (with roller bearings)	Deleted	

(V) SIGNAL & TELECOMMUNICATION ASSETS

(A) SIGNALLING SYSTEM

S.No.	Class of Assets	Average life in years	Remarks
3	(i) Electronic Signalling system like Axle Counter, AFTC, IPS etc	20 years/based on obsolescence	Actual replacement shall be based on condition of the asset
	(ii) Kavach (Automatic Train Protection-ATP)	15	Actual replacement shall be based on condition of the asset

(Authority Board's letter no. 2022/AC II/2/1 dated 6..6.2022)

Annexure-05

70

THE SINGARENI COLLIERIES COMPANY LIMITED
(A Govt. Company)
RAMAGUNDAM AREA – I

Ref No: RG1/SUR/SS 6/137

Date:20-06-2018

To:
AGM (EMG/AU),
NTPC-Ramagundam,
Jyothinagar – 505215
Dist: Peddapalli
State: Telangana

Dear Sir,

Sub : Use of Ash in underground mines stowing – Bottom Ash vis-à-vis ESP First Field Ash - Reg.

Ref : 1).Report of CIMFR – Advice of use of Pond Ash of NTPC Plant/Ramagundam,
2). 09/EMG/AU/2018, Dtd.26-05-2018.

We convey our sincere thanks to NTPC management in providing required Bottom Ash as stowing material in our underground mines of Ramagundam Area-I. We are using Bottom Ash from NTPC as stowing material in 3 underground mines i.e., GDK-1 &3, GDK -2 &2A and GDK-5 mines. While using Bottom Ash as stowing material in our underground mines as per the earlier study of Scientific Agency (CIMFR) and as per the permission conditions of DGMS, **Bottom Ash having 1% of less than 53 microns is permitted to use.**

After studying the draft report of CIMFR on use of mixed bottom ash and field ash for underground mine stowing, we have some apprehensions to appease. They are:

1. The DGMS authorities are insisting not to have more than 1% of -53 microns whereas in draft report, the percentage of particle - 53 microns is 8.4.
2. The nature of barricading material to retain fine stowing material in goaf and to percolate water from fine ash and barricade.
3. Ensuring correct proportion of mixture of ash while stowing (water: Bottom Ash0.
4. CIMFR shall take responsibility to get permission from DGMS by explaining them regarding the possibilities and also to participate meetings with DGMS authorities and SCCL management as and when required during the study period.

After getting clarification from CIMFR regarding the above apprehensions, a trial study shall be carried in any one of the mine by CIMFR with permission of DGMS.

Thanking you,

Yours faithfully,

(V.VIJAYAPAL REDDY)
General Manager,
Ramagundam Area – I

Cc : Agent/GDK-1 Group,
DY.GM(Survey)/RG-I,
Incharge,Strata control cell/RG-I

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09/6/18

THE SINGARENI COLLIERIES COMPANY LIMITED
(A GOVT.COMPANY) SRIRAMPUR AREA.

Ref.No:SRP/ISO/2018/ 111

Date: 04.06.2018

To:
AGM (EMG/AU),
NTPC-Ramagundam,
Jyothinagar – 505215
Dist: Peddapalli
State: Telangana

Dear Sir,

Sub: Use of Ash in underground mines stowing – Bottom Ash vis-à-vis ESP First field ash-Reg.
Ref: 09/EMG/AU/2018, Dtd.26-05-2018.

We convey our sincere thanks to your NTPC management in providing required quantity bottom ash as stowing material in our underground mines. In Srirampur Area, we are using bottom ash from NTPC as well as STPP-Jaipur Plants, as stowing material, in 5 underground mines i.e., IK-1A, SRP-1, SRP-3, RK-7 & RK-8 mines. We have established Bottom Ash as stowing material in our underground mines with the help of Scientific Agency- CIMFR. While using bottom as stowing material, the following condition shall be ensured as per DGMS permission:

Bottom Ash shall not have particle size less than 53 microns.

After studying the draft report of CIMFR on use of mixed bottom ash and field ash for underground mine stowing, we have some apprehensions to appease. They are:

1. The DGMS authorities are insisting not to have particle size less than 53 microns. But in draft report, the percentage of particle size less than 53 microns is 8.4.
2. The nature of barricading material to retain fine stowing material in goaf and to percolate water from fine ash and barricade.
3. Ensuring correct proportion of mixture of ash while stowing.

After getting clarification from CIMFR regarding the above apprehensions, a trial study shall be carried in any one of the mine with permission from DGMS under the guidance of CIMFR and it shall be the responsible of the CIMFR to get permission from DGMS and also to participate meetings with DGMS authorities as and when required during the study period.

Thanking you,

Yours faithfully,

Encl: permision copy

8/6/18
(Sd.M.Subhani)
General Manager,
Srirampur

Cc : GM (HRD)

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Annexure [illegible]

(Enclosure to [illegible] 2018)

Conditions governing use of bottom ash as stowing material in [illegible] of No.2 seam of Ravindrakhani No.7 Incline mine.

Use of Bottom Ash instead of sand as stowing material on experimental basis is suggested as per the proposal agency R&D wing of the company subject to the following conditions [illegible]

1.0 The Bottom Ash proposed to be used for stowing should not have [illegible] Suitable monitoring shall be done to ensure this.

2.0 The scientific agency/R&D wing of the company shall be engaged for the following purpose.

a) Determination of the physical properties of ash such as specific gravity, bulk density, porosity and granulometric distribution of different fractions.

b) Water percolation and settlement characteristics.

c) Spontaneous heating characteristics.

d) Leaching study

e) For ascertaining and establishing the shrinkage of stowed bottom ash.

f) Compressibility characteristics.

g) To examine the existing stowing arrangements in the above mine and to suggest any modifications, if required, for bottom ash stowing.

h) To suggest instrumentation and strata monitoring plan for the ash stowing panels.

i) Participate in the DGMS meetings and assist mine management in obtaining permissions.

3.0 After completion of stowing, a meeting shall be arranged with the [illegible] agency/R&D wing of the company to review the performance, shortage etc. to decide [illegible] action.

4.0 The stowing operation shall be supervised in shifts by an under manager to ascertain the effective filling and drainage of water out of the goaf.

5.0 The overall stowing related operations shall be supervised by a [illegible] competency under Coal Mines Regulations, 2017.

6.0 Each void after filling shall be checked for the effective filling with a suitable rod and the record of the checking shall be maintained in a bound paged book and countersigned by the manager daily.

7.0 The amount of water used for stowing and the amount of water drained out shall be cross checked with V-notch suitably placed in the district and the pumping hours in the seam.

8.0 The drainage pipes shall be provided at least two parallel sets at different horizon to drain out the water effectively.

9.0 A suitable arrangement for the inspection of the place/ premises from where the bottom ash is lifted and transported to the mine to ascertain the quality of the stowing material. The inspection shall be carried out at least on weekly basis. This sampling of bottom ash shall be carried out for grain size and proximate analysis of the bottom ash on weekly basis and record of analysis shall be maintained in a bound paged book and countersigned by the manager. The unburnt carbon percentage in bottom ash used for stowing should not be more than 17%.

10.0 A suitable code of practice shall be framed for the above purpose demarking the duties and the responsibilities of each concerned taking into account all the activities involved and a copy shall be submitted to this Directorate.

Page 1 of 1

FORM- 15 : Details of Fuel for Computation of Energy Charges

Name of the Petitioner: NTPC Limited
Name of the Generating Station RSTPS Stage-I&II

S. No.	Month	Unit	Apr-23			
			Domestic Coal (Other Sources)	Domestic Coal (NTPC Mines)	Imported	Biomass
			M1149100657	M1149100620	M1149100666	M1149102501N
A)	OPENING QUANTITY					
1	Opening Quantity of Coal	(MT)	396845.27	0.00	0.00	0.00
2	Value of Stock	(Rs.)	1929302013.00	0.00	0.00	0.00
B)	QUANTITY					
3	Quantity of Coal supplied by Coal Company	(MT)	888819.86	0.00	0.00	0.00
4	Adjustment (+/-) in quantity supplied made by Coal Company	(MT)	0.00	0.00	0.00	0.00
5	Coal supplied by Coal Company (3+4)	(MT)	888819.86	0.00	0.00	0.00
6	Normative Transit & Handling Losses (For Coal based Projects)	(MT)	2996.08	0.00	0.00	0.00
7	Net Coal Supplied (5-6)	(MT)	885823.78	0.00	0.00	0.00
C)	PRICE					
8	Amount charged by the Coal Company	(Rs.)	4,108,446,575.00	0.00	0.00	0.00
9	Adjustment (+/-) in amount charged made by Coal Company	(Rs.)	0.00	0.00	0.00	0.00
10	Handling, Sampling and such other similar charges	(Rs.)	15093401.62	0.00	0.00	0.00
11	Total amount Charged (8+9+10)	(Rs.)	4123539976.62	0.00	0.00	0.00
D)	TRANSPORATION					
12	Transportation charges by rail/ship/road transport	(Rs.)	31,811,044.91	0.00	0.00	0.00
13	Adjustment (+/-) in amount charged made by Railways/Transport Company	(Rs.)	0.00	0.00	0.00	0.00
14	Demurrage Charges, if any	(Rs.)	0.00	0.00	0.00	0.00
15	Cost of diesel in transporting Coal through MGR system, if applicable	(Rs.)	0.00	0.00	0.00	0.00
16	Total Transportation Charges (12+13+14+15)	(Rs.)	31811044.91	0.00	0.00	0.00
17	Total amount Charged for Coal supplied including Transportation (11+16)	(Rs.)	4155351021.53	0.00	0.00	0.00
E)	TOTAL COST					
18	Landed cost of Coal (2+17)/(1+7)	Rs./MT	4743.744	0.000	0.000	0.000
19	Blending Ratio (Domestic/Imported)		100.00%	0.00%	0.00%	0.000%
20	**Weighted average cost of Coal/ Lignite (Including Biomass)**	**Rs./MT**	**4743.74**			
20a	**Weighted average cost of Coal/ Lignite (Excluding Biomass)**		**4743.74**			
F)	QUALITY (Stage - I, II, III, & IV)					
21	GCV of Domestic Coal of the opening coal stock as per bill of Coal Company	(kCal/Kg)	4270	0	0	0
22	GCV of Domestic Coal supplied as per bill of Coal Company	(kCal/Kg)	4052	0	0	0
23	GCV of Imported Coal of the opening stock as per bill Coal Company	(kCal/Kg)				
24	GCV of Imported Coal supplied as per bill Coal Company	(kCal/Kg)				
25	**Weighted average GCV of coal as billed (Including Biomass)**	**(kCal/Kg)**	**4120**			
25a	**Weighted average GCV of coal as billed (Excluding Biomass)**	**(kCal/Kg)**	**4120**			
26	GCV of Domestic Coal of the opening stock as received at Station	(kCal/Kg)	3571	0	0	0
27	GCV of Domestic Coal / Bio Mass supplied as received at Station	(kCal/Kg)	3669	0	0	0
28	GCV of Imported Coal of opening stock as received at Station	(kCal/Kg)				
29	GCV of Imported Coal supplied as received at Station	(kCal/Kg)				
30	**Weighted average GCV of coal/ Lignite as received (Including Biomass)**	**(kCal/Kg)**	**3639**			
30a	**Weighted average GCV of coal/ Lignite as received (Excluding Biomass)**	**(kCal/Kg)**	**3639**			

Rakesh Kumar
Digitally signed by Rakesh Kumar
Date: 2024.05.24 16:02:42 +05'30'

As per our report of even date
For M/s Goyal Parul and Co.
Chartered Accountants
FRN: 016750N

Digitally signed by SANCHIT AGRAWAL
Date: 2024.08.23 13:05:32 +05'30'

FORM- 15 : Details of Fuel for Computation of Energy Charges

Name of the Petitioner: NTPC Limited
Name of the Generating Station RSTPS Stage-III

S. No.	Month	Unit	Apr-23			
			Domestic Coal (Other Sources)	Domestic Coal (NTPC Mines)	Imported	Biomass
			M1149100657	M1149100620	M1149100666	M1149102501N
A)	OPENING QUANTITY					
1	Opening Quantity of Coal	(MT)	396845.27	0.00	0.00	0.00
2	Value of Stock	(Rs.)	1929302013.00	0.00	0.00	0.00
B)	QUANTITY					
3	Quantity of Coal supplied by Coal Company	(MT)	888819.86	0.00	0.00	0.00
4	Adjustment (+/-) in quantity supplied made by Coal Company	(MT)	0.00	0.00	0.00	0.00
5	Coal supplied by Coal Company (3+4)	(MT)	888819.86	0.00	0.00	0.00
6	Normative Transit & Handling Losses (For Coal based Projects)	(MT)	2996.08	0.00	0.00	0.00
7	Net Coal Supplied (5-6)	(MT)	885823.78	0.00	0.00	0.00
C)	PRICE					
8	Amount charged by the Coal Company	(Rs.)	4,108,446,575.00	0.00	0.00	0.00
9	Adjustment (+/-) in amount charged made by Coal Company	(Rs.)	0.00	0.00	0.00	0.00
10	Handling, Sampling and such other similar charges	(Rs.)	15093401.62	0.00	0.00	0.00
11	Total amount Charged (8+9+10)	(Rs.)	4123539976.62	0.00	0.00	0.00
D)	TRANSPORATION					
12	Transportation charges by rail/ship/road transport	(Rs.)	31,811,044.91	0.00	0.00	0.00
13	Adjustment (+/-) in amount charged made by Railways/Transport Company	(Rs.)	0.00	0.00	0.00	0.00
14	Demurrage Charges, if any	(Rs.)	0.00	0.00	0.00	0.00
15	Cost of diesel in transporting Coal through MGR system, if applicable	(Rs.)	0.00	0.00	0.00	0.00
16	Total Transportation Charges (12+13+14+15)	(Rs.)	31811044.91	0.00	0.00	0.00
17	Total amount Charged for Coal supplied including Transportation (11+16)	(Rs.)	4155351021.53	0.00	0.00	0.00
E)	TOTAL COST					
18	Landed cost of Coal (2+17)/(1+7)	Rs./MT	4743.744	0.000	0.000	0.000
19	Blending Ratio (Domestic/Imported)		100.00%	0.00%	0.00%	0.000%
20	Weighted average cost of Coal/ Lignite (Including Biomass)	Rs./MT	4743.74			
20a	Weighted average cost of Coal/ Lignite (Excluding Biomass)		4743.74			
F)	QUALITY (Stage - I, II, III, & IV)					
21	GCV of Domestic Coal of the opening coal stock as per bill of Coal Company	(kCal/Kg)	4270	0	0	0
22	GCV of Domestic Coal supplied as per bill of Coal Company	(kCal/Kg)	4052	0	0	0
23	GCV of Imported Coal of the opening stock as per bill Coal Company	(kCal/Kg)				
24	GCV of Imported Coal supplied as per bill Coal Company	(kCal/Kg)				
25	Weighted average GCV of coal as billed (Including Biomass)	(kCal/Kg)	4120			
25a	Weighted average GCV of coal as billed (Excluding Biomass)	(kCal/Kg)	4120			
26	GCV of Domestic Coal of the opening stock as received at Station	(kCal/Kg)	3571	0	0	0
27	GCV of Domestic Coal / Bio Mass supplied as received at Station	(kCal/Kg)	3669	0	0	0
28	GCV of Imported Coal of opening stock as received at Station	(kCal/Kg)				
29	GCV of Imported Coal supplied as received at Station	(kCal/Kg)				
30	Weighted average GCV of coal/ Lignite as received (Including Biomass)	(kCal/Kg)	3639			
30a	Weighted average GCV of coal/ Lignite as received (Excluding Biomass)	(kCal/Kg)	3639			

Rakesh Kumar
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As per our report of even date
For M/s Goyal Parul and Co.
Chartered Accountants
FRN: 016750N

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Date: 2024.08.23 13:06:10 +05'30'

FORM- 15 : Details of Fuel for Computation of Energy Charges

Name of the Petitioner: NTPC Limited
Name of the Generating Station RSTPS Stage-I&II

S. No.	Month	Unit	May-23			
			Domestic Coal (Other Sources)	Domestic Coal (NTPC Mines)	Imported	Biomass
			M1149100657	M1149100620	M1149100666	M1149102501N
A)	OPENING QUANTITY					
1	Opening Quantity of Coal	(MT)	236957.05	0.00	0.00	0.00
2	Value of Stock	(Rs.)	1124063008.80	0.00	0.00	0.00
B)	QUANTITY					
3	Quantity of Coal supplied by Coal Company	(MT)	981924.07	0.00	0.00	0.00
4	Adjustment (+/-) in quantity supplied made by Coal Company	(MT)	0.00	0.00	0.00	0.00
5	Coal supplied by Coal Company (3+4)	(MT)	981924.07	0.00	0.00	0.00
6	Normative Transit & Handling Losses (For Coal based Projects)	(MT)	3965.89	0.00	0.00	0.00
7	Net Coal Supplied (5-6)	(MT)	977958.18	0.00	0.00	0.00
C)	PRICE					
8	Amount charged by the Coal Company	(Rs.)	4,623,163,642.73	0.00	0.00	0.00
9	Adjustment (+/-) in amount charged made by Coal Company	(Rs.)	0.00	0.00	0.00	0.00
10	Handling, Sampling and such other similar charges	(Rs.)	15590781.47	0.00	0.00	0.00
11	Total amount Charged (8+9+10)	(Rs.)	4638754424.20	0.00	0.00	0.00
D)	TRANSPORATION					
12	Transportation charges by rail/ship/road transport	(Rs.)	75,446,418.00	0.00	0.00	0.00
13	Adjustment (+/-) in amount charged made by Railways/Transport Company	(Rs.)	0.00	0.00	0.00	0.00
14	Demurrage Charges, if any	(Rs.)	0.00	0.00	0.00	0.00
15	Cost of diesel in transporting Coal through MGR system, if applicable	(Rs.)	0.00	0.00	0.00	0.00
16	Total Transportation Charges (12+13+14+15)	(Rs.)	75446418.00	0.00	0.00	0.00
17	Total amount Charged for Coal supplied including Transportation (11+16)	(Rs.)	4714200842.20	0.00	0.00	0.00
E)	TOTAL COST					
18	Landed cost of Coal (2+17)/(1+7)	Rs./MT	4805.491	0.000	0.000	0.000
19	Blending Ratio (Domestic/Imported)		100.00%	0.00%	0.00%	0.000%
20	**Weighted average cost of Coal/ Lignite (Including Biomass)**	**Rs./MT**	**4805.49**			
20a	**Weighted average cost of Coal/ Lignite (Excluding Biomass)**		**4805.49**			
F)	QUALITY (Stage - I, II, III, & IV)					
21	GCV of Domestic Coal of the opening coal stock as per bill of Coal Company	(kCal/Kg)	4120	0	0	0
22	GCV of Domestic Coal supplied as per bill of Coal Company	(kCal/Kg)	4059	0	0	0
23	GCV of Imported Coal of the opening stock as per bill Coal Company	(kCal/Kg)				
24	GCV of Imported Coal supplied as per bill Coal Company	(kCal/Kg)				
25	**Weighted average GCV of coal as billed (Including Biomass)**	**(kCal/Kg)**	**4071**			
25a	**Weighted average GCV of coal as billed (Excluding Biomass)**	**(kCal/Kg)**	**4071**			
26	GCV of Domestic Coal of the opening stock as received at Station	(kCal/Kg)	3639	0	0	0
27	GCV of Domestic Coal / Bio Mass supplied as received at Station	(kCal/Kg)	3646	0	0	0
28	GCV of Imported Coal of opening stock as received at Station	(kCal/Kg)				
29	GCV of Imported Coal supplied as received at Station	(kCal/Kg)				
30	**Weighted average GCV of coal/ Lignite as received (Including Biomass)**	**(kCal/Kg)**	**3645**			
30a	**Weighted average GCV of coal/ Lignite as received (Excluding Biomass)**	**(kCal/Kg)**	**3645**			

Rakesh Kumar

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Date: 2024.05.24 16:03:12 +05'30'

As per our report of even date
For M/s Goyal Parul and Co.
Chartered Accountants
FRN: 016750N

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Date: 2024.08.23 13:06:42 +05'30'

FORM- 15 : Details of Fuel for Computation of Energy Charges

Name of the Petitioner: NTPC Limited
Name of the Generating Station RSTPS Stage-III

S. No.	Month	Unit	May-23			
			Domestic Coal (Other Sources)	Domestic Coal (NTPC Mines)	Imported	Biomass
			M1149100657	M1149100620	M1149100666	M1149102501N
A)	OPENING QUANTITY					
1	Opening Quantity of Coal	(MT)	236957.05	0.00	0.00	0.00
2	Value of Stock	(Rs.)	1124063008.80	0.00	0.00	0.00
B)	QUANTITY					
3	Quantity of Coal supplied by Coal Company	(MT)	981924.07	0.00	0.00	0.00
4	Adjustment (+/-) in quantity supplied made by Coal Company	(MT)	0.00	0.00	0.00	0.00
5	Coal supplied by Coal Company (3+4)	(MT)	981924.07	0.00	0.00	0.00
6	Normative Transit & Handling Losses (For Coal based Projects)	(MT)	3965.89	0.00	0.00	0.00
7	Net Coal Supplied (5-6)	(MT)	977958.18	0.00	0.00	0.00
C)	PRICE					
8	Amount charged by the Coal Company	(Rs.)	4,623,163,642.73	0.00	0.00	0.00
9	Adjustment (+/-) in amount charged made by Coal Company	(Rs.)	0.00	0.00	0.00	0.00
10	Handling, Sampling and such other similar charges	(Rs.)	15590781.47	0.00	0.00	0.00
11	Total amount Charged (8+9+10)	(Rs.)	4638754424.20	0.00	0.00	0.00
D)	TRANSPORATION					
12	Transportation charges by rail/ship/road transport	(Rs.)	75,446,418.00	0.00	0.00	0.00
13	Adjustment (+/-) in amount charged made by Railways/Transport Company	(Rs.)	0.00	0.00	0.00	0.00
14	Demurrage Charges, if any	(Rs.)	0.00	0.00	0.00	0.00
15	Cost of diesel in transporting Coal through MGR system, if applicable	(Rs.)	0.00	0.00	0.00	0.00
16	Total Transportation Charges (12+13+14+15)	(Rs.)	75446418.00	0.00	0.00	0.00
17	Total amount Charged for Coal supplied including Transportation (11+16)	(Rs.)	4714200842.20	0.00	0.00	0.00
E)	TOTAL COST					
18	Landed cost of Coal (2+17)/(1+7)	Rs./MT	4805.491	0.000	0.000	0.000
19	Blending Ratio (Domestic/Imported)		100.00%	0.00%	0.00%	0.000%
20	**Weighted average cost of Coal/ Lignite (Including Biomass)**	**Rs./MT**	**4805.49**			
20a	**Weighted average cost of Coal/ Lignite (Excluding Biomass)**		**4805.49**			
F)	QUALITY (Stage - I, II, III, & IV)					
21	GCV of Domestic Coal of the opening coal stock as per bill of Coal Company	(kCal/Kg)	4120	0	0	0
22	GCV of Domestic Coal supplied as per bill of Coal Company	(kCal/Kg)	4059	0	0	0
23	GCV of Imported Coal of the opening stock as per bill Coal Company	(kCal/Kg)				
24	GCV of Imported Coal supplied as per bill Coal Company	(kCal/Kg)				
25	**Weighted average GCV of coal as billed (Including Biomass)**	**(kCal/Kg)**	**4071**			
25a	**Weighted average GCV of coal as billed (Excluding Biomass)**	**(kCal/Kg)**	**4071**			
26	GCV of Domestic Coal of the opening stock as received at Station	(kCal/Kg)	3639	0	0	0
27	GCV of Domestic Coal / Bio Mass supplied as received at Station	(kCal/Kg)	3646	0	0	0
28	GCV of Imported Coal of opening stock as received at Station	(kCal/Kg)				
29	GCV of Imported Coal supplied as received at Station	(kCal/Kg)				
30	**Weighted average GCV of coal/ Lignite as received (Including Biomass)**	**(kCal/Kg)**	**3645**			
30a	**Weighted average GCV of coal/ Lignite as received (Excluding Biomass)**	**(kCal/Kg)**	**3645**			

Rakesh Kumar
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Date: 2024.05.24 16:03:27 +05'30'

As per our report of even date
For M/s Goyal Parul and Co.
Chartered Accountants
FRN: 016750N

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Date: 2024.08.23 13:07:13 +05'30'

FORM- 15 : Details of Fuel for Computation of Energy Charges

Name of the Petitioner: NTPC Limited
Name of the Generating Station RSTPS Stage-I&II

S. No.	Month	Unit	Jun-23			
			Domestic Coal (Other Sources)	Domestic Coal (NTPC Mines)	Imported	Biomass
			M1149100657	M1149100620	M1149100666	M1149102501N
A)	OPENING QUANTITY					
1	Opening Quantity of Coal	(MT)	294797.22	0.00	0.00	0.00
2	Value of Stock	(Rs.)	1416645083.06	0.00	0.00	0.00
B)	QUANTITY					
3	Quantity of Coal supplied by Coal Company	(MT)	886447.00	0.00	0.00	0.00
4	Adjustment (+/-) in quantity supplied made by Coal Company	(MT)	-888.41	0.00	0.00	0.00
5	Coal supplied by Coal Company (3+4)	(MT)	885558.59	0.00	0.00	0.00
6	Normative Transit & Handling Losses (For Coal based Projects)	(MT)	3140.48	0.00	0.00	0.00
7	Net Coal Supplied (5-6)	(MT)	882418.11	0.00	0.00	0.00
C)	PRICE					
8	Amount charged by the Coal Company	(Rs.)	4,519,919,131.00	0.00	0.00	0.00
9	Adjustment (+/-) in amount charged made by Coal Company	(Rs.)	0.00	0.00	0.00	0.00
10	Handling, Sampling and such other similar charges	(Rs.)	-16728871.48	0.00	0.00	0.00
11	Total amount Charged (8+9+10)	(Rs.)	4503190259.52	0.00	0.00	0.00
D)	TRANSPORATION					
12	Transportation charges by rail/ship/road transport	(Rs.)	44,325,613.00	0.00	0.00	0.00
13	Adjustment (+/-) in amount charged made by Railways/Transport Company	(Rs.)	0.00	0.00	0.00	0.00
14	Demurrage Charges, if any	(Rs.)	0.00	0.00	0.00	0.00
15	Cost of diesel in transporting Coal through MGR system, if applicable	(Rs.)	0.00	0.00	0.00	0.00
16	Total Transportation Charges (12+13+14+15)	(Rs.)	44325613.00	0.00	0.00	0.00
17	Total amount Charged for Coal supplied including Transportation (11+16)	(Rs.)	4547515872.52	0.00	0.00	0.00
E)	TOTAL COST					
18	Landed cost of Coal (2+17)/(1+7)	Rs./MT	5066.330	0.000	0.000	0.000
19	Blending Ratio (Domestic/Imported)		100.00%	0.00%	0.00%	0.000%
20	**Weighted average cost of Coal/ Lignite (Including Biomass)**	**Rs./MT**	**5066.33**			
20a	**Weighted average cost of Coal/ Lignite (Excluding Biomass)**		**5066.33**			
F)	QUALITY (Stage - I, II, III, & IV)					
21	GCV of Domestic Coal of the opening coal stock as per bill of Coal Company	(kCal/Kg)	4071	0	0	0
22	GCV of Domestic Coal supplied as per bill of Coal Company	(kCal/Kg)	4081	0	0	0
23	GCV of Imported Coal of the opening stock as per bill Coal Company	(kCal/Kg)				
24	GCV of Imported Coal supplied as per bill Coal Company	(kCal/Kg)				
25	**Weighted average GCV of coal as billed (Including Biomass)**	**(kCal/Kg)**	**4079**			
25a	**Weighted average GCV of coal as billed (Excluding Biomass)**	**(kCal/Kg)**	**4079**			
26	GCV of Domestic Coal of the opening stock as received at Station	(kCal/Kg)	3645	0	0	0
27	GCV of Domestic Coal / Bio Mass supplied as received at Station	(kCal/Kg)	3599	0	0	0
28	GCV of Imported Coal of opening stock as received at Station	(kCal/Kg)				
29	GCV of Imported Coal supplied as received at Station	(kCal/Kg)				
30	**Weighted average GCV of coal/ Lignite as received (Including Biomass)**	**(kCal/Kg)**	**3611**			
30a	**Weighted average GCV of coal/ Lignite as received (Excluding Biomass)**	**(kCal/Kg)**	**3611**			

Rakesh Kumar

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As per our report of even date
For M/s Goyal Parul and Co.
Chartered Accountants
FRN: 016750N

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Date: 2024.08.23 13:07:50 +05'30'

FORM- 15 : Details of Fuel for Computation of Energy Charges

Name of the Petitioner: NTPC Limited
Name of the Generating Station RSTPS Stage-III

S. No.	Month	Unit	Jun-23			
			Domestic Coal (Other Sources)	Domestic Coal (NTPC Mines)	Imported	Biomass
			M1149100657	M1149100620	M1149100666	M1149102501N
A)	OPENING QUANTITY					
1	Opening Quantity of Coal	(MT)	294797.22	0.00	0.00	0.00
2	Value of Stock	(Rs.)	1416645083.06	0.00	0.00	0.00
B)	QUANTITY					
3	Quantity of Coal supplied by Coal Company	(MT)	886447.00	0.00	0.00	0.00
4	Adjustment (+/-) in quantity supplied made by Coal Company	(MT)	-888.41	0.00	0.00	0.00
5	Coal supplied by Coal Company (3+4)	(MT)	885558.59	0.00	0.00	0.00
6	Normative Transit & Handling Losses (For Coal based Projects)	(MT)	3140.48	0.00	0.00	0.00
7	Net Coal Supplied (5-6)	(MT)	882418.11	0.00	0.00	0.00
C)	PRICE					
8	Amount charged by the Coal Company	(Rs.)	4,519,919,131.00	0.00	0.00	0.00
9	Adjustment (+/-) in amount charged made by Coal Company	(Rs.)	0.00	0.00	0.00	0.00
10	Handling, Sampling and such other similar charges	(Rs.)	-16728871.48	0.00	0.00	0.00
11	Total amount Charged (8+9+10)	(Rs.)	4503190259.52	0.00	0.00	0.00
D)	TRANSPORATION					
12	Transportation charges by rail/ship/road transport	(Rs.)	44,325,613.00	0.00	0.00	0.00
13	Adjustment (+/-) in amount charged made by Railways/Transport Company	(Rs.)	0.00	0.00	0.00	0.00
14	Demurrage Charges, if any	(Rs.)	0.00	0.00	0.00	0.00
15	Cost of diesel in transporting Coal through MGR system, if applicable	(Rs.)	0.00	0.00	0.00	0.00
16	Total Transportation Charges (12+13+14+15)	(Rs.)	44325613.00	0.00	0.00	0.00
17	Total amount Charged for Coal supplied including Transportation (11+16)	(Rs.)	4547515872.52	0.00	0.00	0.00
E)	TOTAL COST					
18	Landed cost of Coal (2+17)/(1+7)	Rs./MT	5066.330	0.000	0.000	0.000
19	Blending Ratio (Domestic/Imported)		100.00%	0.00%	0.00%	0.000%
20	**Weighted average cost of Coal/ Lignite (Including Biomass)**	**Rs./MT**	**5066.33**			
20a	**Weighted average cost of Coal/ Lignite (Excluding Biomass)**		**5066.33**			
F)	QUALITY (Stage - I, II, III, & IV)					
21	GCV of Domestic Coal of the opening coal stock as per bill of Coal Company	(kCal/Kg)	3743	0	0	0
22	GCV of Domestic Coal supplied as per bill of Coal Company	(kCal/Kg)	4081	0	0	0
23	GCV of Imported Coal of the opening stock as per bill Coal Company	(kCal/Kg)				
24	GCV of Imported Coal supplied as per bill Coal Company	(kCal/Kg)				
25	**Weighted average GCV of coal as billed (Including Biomass)**	**(kCal/Kg)**	**3997**			
25a	**Weighted average GCV of coal as billed (Excluding Biomass)**	**(kCal/Kg)**	**3997**			
26	GCV of Domestic Coal of the opening stock as received at Station	(kCal/Kg)	3645	0	0	0
27	GCV of Domestic Coal / Bio Mass supplied as received at Station	(kCal/Kg)	3599	0	0	0
28	GCV of Imported Coal of opening stock as received at Station	(kCal/Kg)				
29	GCV of Imported Coal supplied as received at Station	(kCal/Kg)				
30	**Weighted average GCV of coal/ Lignite as received (Including Biomass)**	**(kCal/Kg)**	**3611**			
30a	**Weighted average GCV of coal/ Lignite as received (Excluding Biomass)**	**(kCal/Kg)**	**3611**			

Rakesh Kumar

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As per our report of even date
For M/s Goyal Parul and Co.
Chartered Accountants
FRN: 016750N

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Date: 2024.08.23 13:08:19 +05'30'

FORM- 15 : Details of Fuel for Computation of Energy Charges

Name of the Petitioner: NTPC Limited
Name of the Generating Station RSTPS Stage-I&II

S. No.	Month	Unit	Jul-23			
			Domestic Coal (Other Sources)	Domestic Coal (NTPC Mines)	Imported	Biomass
			M1149100657	M1149100620	M1149100666	M1149102501N
A)	OPENING QUANTITY					
1	Opening Quantity of Coal	(MT)	377813.34	0.00	0.00	0.00
2	Value of Stock	(Rs.)	1914126620.92	0.00	0.00	0.00
B)	QUANTITY					
3	Quantity of Coal supplied by Coal Company	(MT)	718884.71	0.00	0.00	0.00
4	Adjustment (+/-) in quantity supplied made by Coal Company	(MT)	0.00	0.00	0.00	0.00
5	Coal supplied by Coal Company (3+4)	(MT)	718884.71	0.00	0.00	0.00
6	Normative Transit & Handling Losses (For Coal based Projects)	(MT)	2695.91	0.00	0.00	0.00
7	Net Coal Supplied (5-6)	(MT)	716188.80	0.00	0.00	0.00
C)	PRICE					
8	Amount charged by the Coal Company	(Rs.)	3,661,291,485.00	0.00	0.00	0.00
9	Adjustment (+/-) in amount charged made by Coal Company	(Rs.)	0.00	0.00	0.00	0.00
10	Handling, Sampling and such other similar charges	(Rs.)	12907794.99	0.00	0.00	0.00
11	Total amount Charged (8+9+10)	(Rs.)	3674199279.99	0.00	0.00	0.00
D)	TRANSPORATION					
12	Transportation charges by rail/ship/road transport	(Rs.)	52,449,007.00	0.00	0.00	0.00
13	Adjustment (+/-) in amount charged made by Railways/Transport Company	(Rs.)	0.00	0.00	0.00	0.00
14	Demurrage Charges, if any	(Rs.)	0.00	0.00	0.00	0.00
15	Cost of diesel in transporting Coal through MGR system, if applicable	(Rs.)	0.00	0.00	0.00	0.00
16	Total Transportation Charges (12+13+14+15)	(Rs.)	52449007.00	0.00	0.00	0.00
17	Total amount Charged for Coal supplied including Transportation (11+16)	(Rs.)	3726648286.99	0.00	0.00	0.00
E)	TOTAL COST					
18	Landed cost of Coal (2+17)/(1+7)	Rs./MT	5156.091	0.000	0.000	0.000
19	Blending Ratio (Domestic/Imported)		100.00%	0.00%	0.00%	0.000%
20	Weighted average cost of Coal/ Lignite (Including Biomass)	Rs./MT	5156.09			
20a	Weighted average cost of Coal/ Lignite (Excluding Biomass)		5156.09			
F)	QUALITY (Stage - I, II, III, & IV)					
21	GCV of Domestic Coal of the opening coal stock as per bill of Coal Company	(kCal/Kg)	4079	0	0	0
22	GCV of Domestic Coal supplied as per bill of Coal Company	(kCal/Kg)	4059	0	0	0
23	GCV of Imported Coal of the opening stock as per bill Coal Company	(kCal/Kg)				
24	GCV of Imported Coal supplied as per bill Coal Company	(kCal/Kg)				
25	Weighted average GCV of coal as billed (Including Biomass)	(kCal/Kg)	4066			
25a	Weighted average GCV of coal as billed (Excluding Biomass)	(kCal/Kg)	4066			
26	GCV of Domestic Coal of the opening stock as received at Station	(kCal/Kg)	3611	0	0	0
27	GCV of Domestic Coal / Bio Mass supplied as received at Station	(kCal/Kg)	3394	0	0	0
28	GCV of Imported Coal of opening stock as received at Station	(kCal/Kg)				
29	GCV of Imported Coal supplied as received at Station	(kCal/Kg)				
30	Weighted average GCV of coal/ Lignite as received (Including Biomass)	(kCal/Kg)	3469			
30a	Weighted average GCV of coal/ Lignite as received (Excluding Biomass)	(kCal/Kg)	3469			

Rakesh Kumar

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Date: 2024.05.24 16:04:23 +05'30'

As per our report of even date
For M/s Goyal Parul and Co.
Chartered Accountants
FRN: 016750N

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Date: 2024.08.23 13:08:50 +05'30'

FORM- 15 : Details of Fuel for Computation of Energy Charges

Name of the Petitioner: NTPC Limited
Name of the Generating Station RSTPS Stage-III

S. No.	Month	Unit	Jul-23			
			Domestic Coal (Other Sources)	Domestic Coal (NTPC Mines)	Imported	Biomass
			M1149100657	M1149100620	M1149100666	M1149102501N
A)	OPENING QUANTITY					
1	Opening Quantity of Coal	(MT)	377813.34	0.00	0.00	0.00
2	Value of Stock	(Rs.)	1914126620.92	0.00	0.00	0.00
B)	QUANTITY					
3	Quantity of Coal supplied by Coal Company	(MT)	718884.71	0.00	0.00	0.00
4	Adjustment (+/-) in quantity supplied made by Coal Company	(MT)	0.00	0.00	0.00	0.00
5	Coal supplied by Coal Company (3+4)	(MT)	718884.71	0.00	0.00	0.00
6	Normative Transit & Handling Losses (For Coal based Projects)	(MT)	2695.91	0.00	0.00	0.00
7	Net Coal Supplied (5-6)	(MT)	716188.80	0.00	0.00	0.00
C)	PRICE					
8	Amount charged by the Coal Company	(Rs.)	3,661,291,485.00	0.00	0.00	0.00
9	Adjustment (+/-) in amount charged made by Coal Company	(Rs.)	0.00	0.00	0.00	0.00
10	Handling, Sampling and such other similar charges	(Rs.)	12907794.99	0.00	0.00	0.00
11	Total amount Charged (8+9+10)	(Rs.)	3674199279.99	0.00	0.00	0.00
D)	TRANSPORATION					
12	Transportation charges by rail/ship/road transport	(Rs.)	52,449,007.00	0.00	0.00	0.00
13	Adjustment (+/-) in amount charged made by Railways/Transport Company	(Rs.)	0.00	0.00	0.00	0.00
14	Demurrage Charges, if any	(Rs.)	0.00	0.00	0.00	0.00
15	Cost of diesel in transporting Coal through MGR system, if applicable	(Rs.)	0.00	0.00	0.00	0.00
16	Total Transportation Charges (12+13+14+15)	(Rs.)	52449007.00	0.00	0.00	0.00
17	Total amount Charged for Coal supplied including Transportation (11+16)	(Rs.)	3726648286.99	0.00	0.00	0.00
E)	TOTAL COST					
18	Landed cost of Coal (2+17)/(1+7)	Rs./MT	5156.091	0.000	0.000	0.000
19	Blending Ratio (Domestic/Imported)		100.00%	0.00%	0.00%	0.000%
20	Weighted average cost of Coal/ Lignite (Including Biomass)	Rs./MT	5156.09			
20a	Weighted average cost of Coal/ Lignite (Excluding Biomass)		5156.09			
F)	QUALITY (Stage - I, II, III, & IV)					
21	GCV of Domestic Coal of the opening coal stock as per bill of Coal Company	(kCal/Kg)	4079	0	0	0
22	GCV of Domestic Coal supplied as per bill of Coal Company	(kCal/Kg)	4059	0	0	0
23	GCV of Imported Coal of the opening stock as per bill Coal Company	(kCal/Kg)				
24	GCV of Imported Coal supplied as per bill Coal Company	(kCal/Kg)				
25	Weighted average GCV of coal as billed (Including Biomass)	(kCal/Kg)	4066			
25a	Weighted average GCV of coal as billed (Excluding Biomass)	(kCal/Kg)	4066			
26	GCV of Domestic Coal of the opening stock as received at Station	(kCal/Kg)	3611	0	0	0
27	GCV of Domestic Coal / Bio Mass supplied as received at Station	(kCal/Kg)	3394	0	0	0
28	GCV of Imported Coal of opening stock as received at Station	(kCal/Kg)				
29	GCV of Imported Coal supplied as received at Station	(kCal/Kg)				
30	Weighted average GCV of coal/ Lignite as received (Including Biomass)	(kCal/Kg)	3469			
30a	Weighted average GCV of coal/ Lignite as received (Excluding Biomass)	(kCal/Kg)	3469			

Rakesh Kumar
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As per our report of even date
For M/s Goyal Parul and Co.
Chartered Accountants
FRN: 016750N

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Date: 2024.08.23 13:09:23 +05'30'

FORM- 15 : Details of Fuel for Computation of Energy Charges

Name of the Petitioner: NTPC Limited
Name of the Generating Station RSTPS Stage-I&II

S. No.	Month	Unit	Aug-23			
			Domestic Coal (Other Sources)	Domestic Coal (NTPC Mines)	Imported	Biomass
			M1149100657	M1149100620	M1149100666	M1149102501N
A)	OPENING QUANTITY					
1	Opening Quantity of Coal	(MT)	85851.13	0.00	0.00	0.00
2	Value of Stock	(Rs.)	442656610.17	0.00	0.00	0.00
B)	QUANTITY					
3	Quantity of Coal supplied by Coal Company	(MT)	1042329.43	0.00	0.00	0.00
4	Adjustment (+/-) in quantity supplied made by Coal Company	(MT)	0.00	0.00	0.00	0.00
5	Coal supplied by Coal Company (3+4)	(MT)	1042329.43	0.00	0.00	0.00
6	Normative Transit & Handling Losses (For Coal based Projects)	(MT)	4833.50	0.00	0.00	0.00
7	Net Coal Supplied (5-6)	(MT)	1037495.93	0.00	0.00	0.00
C)	PRICE					
8	Amount charged by the Coal Company	(Rs.)	4,927,898,720.80	0.00	0.00	0.00
9	Adjustment (+/-) in amount charged made by Coal Company	(Rs.)	0.00	0.00	0.00	0.00
10	Handling, Sampling and such other similar charges	(Rs.)	20729383.03	0.00	0.00	0.00
11	Total amount Charged (8+9+10)	(Rs.)	4948628103.83	0.00	0.00	0.00
D)	TRANSPORATION					
12	Transportation charges by rail/ship/road transport	(Rs.)	149,062,835.67	0.00	0.00	0.00
13	Adjustment (+/-) in amount charged made by Railways/Transport Company	(Rs.)	0.00	0.00	0.00	0.00
14	Demurrage Charges, if any	(Rs.)	0.00	0.00	0.00	0.00
15	Cost of diesel in transporting Coal through MGR system, if applicable	(Rs.)	0.00	0.00	0.00	0.00
16	Total Transportation Charges (12+13+14+15)	(Rs.)	149062835.67	0.00	0.00	0.00
17	Total amount Charged for Coal supplied including Transportation (11+16)	(Rs.)	5097690939.50	0.00	0.00	0.00
E)	TOTAL COST					
18	Landed cost of Coal (2+17)/(1+7)	Rs./MT	4932.000	0.000	0.000	0.000
19	Blending Ratio (Domestic/Imported)		100.00%	0.00%	0.00%	0.000%
20	Weighted average cost of Coal/ Lignite (Including Biomass)	Rs./MT	4932.00			
20a	Weighted average cost of Coal/ Lignite (Excluding Biomass)		4932.00			
F)	QUALITY (Stage - I, II, III, & IV)					
21	GCV of Domestic Coal of the opening coal stock as per bill of Coal Company	(kCal/Kg)	4067	0	0	0
22	GCV of Domestic Coal supplied as per bill of Coal Company	(kCal/Kg)	3938	0	0	0
23	GCV of Imported Coal of the opening stock as per bill Coal Company	(kCal/Kg)				
24	GCV of Imported Coal supplied as per bill Coal Company	(kCal/Kg)				
25	Weighted average GCV of coal as billed (Including Biomass)	(kCal/Kg)	3948			
25a	Weighted average GCV of coal as billed (Excluding Biomass)	(kCal/Kg)	3948			
26	GCV of Domestic Coal of the opening stock as received at Station	(kCal/Kg)	3469	0	0	0
27	GCV of Domestic Coal / Bio Mass supplied as received at Station	(kCal/Kg)	3117	0	0	0
28	GCV of Imported Coal of opening stock as received at Station	(kCal/Kg)				
29	GCV of Imported Coal supplied as received at Station	(kCal/Kg)				
30	Weighted average GCV of coal/ Lignite as received (Including Biomass)	(kCal/Kg)	3144			
30a	Weighted average GCV of coal/ Lignite as received (Excluding Biomass)	(kCal/Kg)	3144			

Rakesh Kumar

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As per our report of even date
For M/s Goyal Parul and Co.
Chartered Accountants
FRN: 016750N

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Date: 2024.08.23 13:10:04 +05'30'

FORM- 15 : Details of Fuel for Computation of Energy Charges

Name of the Petitioner: NTPC Limited
Name of the Generating Station RSTPS Stage-III

S. No.	Month	Unit	Aug-23			
			Domestic Coal (Other Sources)	Domestic Coal (NTPC Mines)	Imported	Biomass
			M1149100657	M1149100620	M1149100666	M1149102501N
A)	OPENING QUANTITY					
1	Opening Quantity of Coal	(MT)	85851.13	0.00	0.00	0.00
2	Value of Stock	(Rs.)	442656610.17	0.00	0.00	0.00
B)	QUANTITY					
3	Quantity of Coal supplied by Coal Company	(MT)	1042329.43	0.00	0.00	0.00
4	Adjustment (+/-) in quantity supplied made by Coal Company	(MT)	0.00	0.00	0.00	0.00
5	Coal supplied by Coal Company (3+4)	(MT)	1042329.43	0.00	0.00	0.00
6	Normative Transit & Handling Losses (For Coal based Projects)	(MT)	4833.50	0.00	0.00	0.00
7	Net Coal Supplied (5-6)	(MT)	1037495.93	0.00	0.00	0.00
C)	PRICE					
8	Amount charged by the Coal Company	(Rs.)	4,927,898,720.80	0.00	0.00	0.00
9	Adjustment (+/-) in amount charged made by Coal Company	(Rs.)	0.00	0.00	0.00	0.00
10	Handling, Sampling and such other similar charges	(Rs.)	20729383.03	0.00	0.00	0.00
11	Total amount Charged (8+9+10)	(Rs.)	4948628103.83	0.00	0.00	0.00
D)	TRANSPORATION					
12	Transportation charges by rail/ship/road transport	(Rs.)	149,062,835.67	0.00	0.00	0.00
13	Adjustment (+/-) in amount charged made by Railways/Transport Company	(Rs.)	0.00	0.00	0.00	0.00
14	Demurrage Charges, if any	(Rs.)	0.00	0.00	0.00	0.00
15	Cost of diesel in transporting Coal through MGR system, if applicable	(Rs.)	0.00	0.00	0.00	0.00
16	Total Transportation Charges (12+13+14+15)	(Rs.)	149062835.67	0.00	0.00	0.00
17	Total amount Charged for Coal supplied including Transportation (11+16)	(Rs.)	5097690939.50	0.00	0.00	0.00
E)	TOTAL COST					
18	Landed cost of Coal (2+17)/(1+7)	Rs./MT	4932.000	0.000	0.000	0.000
19	Blending Ratio (Domestic/Imported)		100.00%	0.00%	0.00%	0.000%
20	**Weighted average cost of Coal/ Lignite (Including Biomass)**	**Rs./MT**	**4932.00**			
20a	**Weighted average cost of Coal/ Lignite (Excluding Biomass)**		**4932.00**			
F)	QUALITY (Stage - I, II, III, & IV)					
21	GCV of Domestic Coal of the opening coal stock as per bill of Coal Company	(kCal/Kg)	4067	0	0	0
22	GCV of Domestic Coal supplied as per bill of Coal Company	(kCal/Kg)	3938	0	0	0
23	GCV of Imported Coal of the opening stock as per bill Coal Company	(kCal/Kg)				
24	GCV of Imported Coal supplied as per bill Coal Company	(kCal/Kg)				
25	**Weighted average GCV of coal as billed (Including Biomass)**	**(kCal/Kg)**	**3948**			
25a	**Weighted average GCV of coal as billed (Excluding Biomass)**	**(kCal/Kg)**	**3948**			
26	GCV of Domestic Coal of the opening stock as received at Station	(kCal/Kg)	3469	0	0	0
27	GCV of Domestic Coal / Bio Mass supplied as received at Station	(kCal/Kg)	3117	0	0	0
28	GCV of Imported Coal of opening stock as received at Station	(kCal/Kg)				
29	GCV of Imported Coal supplied as received at Station	(kCal/Kg)				
30	**Weighted average GCV of coal/ Lignite as received (Including Biomass)**	**(kCal/Kg)**	**3144**			
30a	**Weighted average GCV of coal/ Lignite as received (Excluding Biomass)**	**(kCal/Kg)**	**3144**			

Rakesh Kumar

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As per our report of even date
For M/s Goyal Parul and Co.
Chartered Accountants
FRN: 016750N

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Date: 2024.08.23 13:10:43 +05'30'

FORM- 15 : Details of Fuel for Computation of Energy Charges

Name of the Petitioner: NTPC Limited
Name of the Generating Station RSTPS Stage-I&II

S. No.	Month	Unit	Sep-23			
			Domestic Coal (Other Sources)	Domestic Coal (NTPC Mines)	Imported	Biomass
			M1149100657	M1149100620	M1149100666	M1149102501N
A)	OPENING QUANTITY					
1	Opening Quantity of Coal	(MT)	0.00	0.00	0.00	0.00
2	Value of Stock	(Rs.)	0.00	0.00	0.00	0.00
B)	QUANTITY					
3	Quantity of Coal supplied by Coal Company	(MT)	1105739.08	0.00	0.00	0.00
4	Adjustment (+/-) in quantity supplied made by Coal Company	(MT)	-572.19	0.00	0.00	0.00
5	Coal supplied by Coal Company (3+4)	(MT)	1105166.89	0.00	0.00	0.00
6	Normative Transit & Handling Losses (For Coal based Projects)	(MT)	5578.17	0.00	0.00	0.00
7	Net Coal Supplied (5-6)	(MT)	1099588.72	0.00	0.00	0.00
C)	PRICE					
8	Amount charged by the Coal Company	(Rs.)	4,999,909,843.20	0.00	0.00	0.00
9	Adjustment (+/-) in amount charged made by Coal Company	(Rs.)	0.00	0.00	0.00	0.00
10	Handling, Sampling and such other similar charges	(Rs.)	67780324.65	0.00	0.00	0.00
11	Total amount Charged (8+9+10)	(Rs.)	5067690167.85	0.00	0.00	0.00
D)	TRANSPORATION					
12	Transportation charges by rail/ship/road transport	(Rs.)	194,316,598.33	0.00	0.00	0.00
13	Adjustment (+/-) in amount charged made by Railways/Transport Company	(Rs.)	0.00	0.00	0.00	0.00
14	Demurrage Charges, if any	(Rs.)	0.00	0.00	0.00	0.00
15	Cost of diesel in transporting Coal through MGR system, if applicable	(Rs.)	0.00	0.00	0.00	0.00
16	Total Transportation Charges (12+13+14+15)	(Rs.)	194316598.33	0.00	0.00	0.00
17	Total amount Charged for Coal supplied including Transportation (11+16)	(Rs.)	5262006766.18	0.00	0.00	0.00
E)	TOTAL COST					
18	Landed cost of Coal (2+17)/(1+7)	Rs./MT	4785.43	0.000	0.000	0.000
19	Blending Ratio (Domestic/Imported)		100.00%	0.00%	0.00%	0.000%
20	Weighted average cost of Coal/ Lignite (Including Biomass)	Rs./MT	4785.43			
20a	Weighted average cost of Coal/ Lignite (Excluding Biomass)		4785.43			
F)	QUALITY (Stage - I, II, III, & IV)					
21	GCV of Domestic Coal of the opening coal stock as per bill of Coal Company	(kCal/Kg)	3941	0	0	0
22	GCV of Domestic Coal supplied as per bill of Coal Company	(kCal/Kg)	3931	0	0	0
23	GCV of Imported Coal of the opening stock as per bill Coal Company	(kCal/Kg)				
24	GCV of Imported Coal supplied as per bill Coal Company	(kCal/Kg)				
25	Weighted average GCV of coal as billed (Including Biomass)	(kCal/Kg)	3931			
25a	Weighted average GCV of coal as billed (Excluding Biomass)	(kCal/Kg)	3931			
26	GCV of Domestic Coal of the opening stock as received at Station	(kCal/Kg)	3144	0	0	0
27	GCV of Domestic Coal / Bio Mass supplied as received at Station	(kCal/Kg)	3182	0	0	0
28	GCV of Imported Coal of opening stock as received at Station	(kCal/Kg)				
29	GCV of Imported Coal supplied as received at Station	(kCal/Kg)				
30	Weighted average GCV of coal/ Lignite as received (Including Biomass)	(kCal/Kg)	3182			
30a	Weighted average GCV of coal/ Lignite as received (Excluding Biomass)	(kCal/Kg)	3182			

Rakesh Kumar

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As per our report of even date
For M/s Goyal Parul and Co.
Chartered Accountants
FRN: 016750N

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Date: 2024.08.23 13:11:25 +05'30'

FORM- 15 : Details of Fuel for Computation of Energy Charges

Name of the Petitioner: NTPC Limited
Name of the Generating Station RSTPS Stage-III

S. No.	Month	Unit	Sep-23			
			Domestic Coal (Other Sources)	Domestic Coal (NTPC Mines)	Imported	Biomass
			M1149100657	M1149100620	M1149100666	M1149102501N
A)	OPENING QUANTITY					
1	Opening Quantity of Coal	(MT)	0.00	0.00	0.00	0.00
2	Value of Stock	(Rs.)	0.00	0.00	0.00	0.00
B)	QUANTITY					
3	Quantity of Coal supplied by Coal Company	(MT)	1105739.08	0.00	0.00	0.00
4	Adjustment (+/-) in quantity supplied made by Coal Company	(MT)	-572.19	0.00	0.00	0.00
5	Coal supplied by Coal Company (3+4)	(MT)	1105166.89	0.00	0.00	0.00
6	Normative Transit & Handling Losses (For Coal based Projects)	(MT)	5578.17	0.00	0.00	0.00
7	Net Coal Supplied (5-6)	(MT)	1099588.72	0.00	0.00	0.00
C)	PRICE					
8	Amount charged by the Coal Company	(Rs.)	4,999,909,843.20	0.00	0.00	0.00
9	Adjustment (+/-) in amount charged made by Coal Company	(Rs.)	0.00	0.00	0.00	0.00
10	Handling, Sampling and such other similar charges	(Rs.)	67780324.65	0.00	0.00	0.00
11	Total amount Charged (8+9+10)	(Rs.)	5067690167.85	0.00	0.00	0.00
D)	TRANSPORATION					
12	Transportation charges by rail/ship/road transport	(Rs.)	194,316,598.33	0.00	0.00	0.00
13	Adjustment (+/-) in amount charged made by Railways/Transport Company	(Rs.)	0.00	0.00	0.00	0.00
14	Demurrage Charges, if any	(Rs.)	0.00	0.00	0.00	0.00
15	Cost of diesel in transporting Coal through MGR system, if applicable	(Rs.)	0.00	0.00	0.00	0.00
16	Total Transportation Charges (12+13+14+15)	(Rs.)	194316598.33	0.00	0.00	0.00
17	Total amount Charged for Coal supplied including Transportation (11+16)	(Rs.)	5262006766.18	0.00	0.00	0.00
E)	TOTAL COST					
18	Landed cost of Coal (2+17)/(1+7)	Rs./MT	4785.432	0.000	0.000	0.000
19	Blending Ratio (Domestic/Imported)		100.00%	0.00%	0.00%	0.000%
20	**Weighted average cost of Coal/ Lignite (Including Biomass)**	**Rs./MT**	**4785.43**			
20a	**Weighted average cost of Coal/ Lignite (Excluding Biomass)**		**4785.43**			
F)	QUALITY (Stage - I, II, III, & IV)					
21	GCV of Domestic Coal of the opening coal stock as per bill of Coal Company	(kCal/Kg)	3941	0	0	0
22	GCV of Domestic Coal supplied as per bill of Coal Company	(kCal/Kg)	3931	0	0	0
23	GCV of Imported Coal of the opening stock as per bill Coal Company	(kCal/Kg)				
24	GCV of Imported Coal supplied as per bill Coal Company	(kCal/Kg)				
25	**Weighted average GCV of coal as billed (Including Biomass)**	**(kCal/Kg)**	**3931**			
25a	**Weighted average GCV of coal as billed (Excluding Biomass)**	**(kCal/Kg)**	**3931**			
26	GCV of Domestic Coal of the opening stock as received at Station	(kCal/Kg)	3144	0	0	0
27	GCV of Domestic Coal / Bio Mass supplied as received at Station	(kCal/Kg)	3182	0	0	0
28	GCV of Imported Coal of opening stock as received at Station	(kCal/Kg)				
29	GCV of Imported Coal supplied as received at Station	(kCal/Kg)				
30	**Weighted average GCV of coal/ Lignite as received (Including Biomass)**	**(kCal/Kg)**	**3182**			
30a	**Weighted average GCV of coal/ Lignite as received (Excluding Biomass)**	**(kCal/Kg)**	**3182**			

Rakesh Kumar
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Date: 2024.05.24 16:06:01 +05'30'

As per our report of even date
For M/s Goyal Parul and Co.
Chartered Accountants
FRN: 016750N

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Date: 2024.08.23 13:12:06 +05'30'

FORM- 15 : Details of Secondary Fuel for Computation of Energy Charges

Name of the Petitioner: NTPC Limited
Name of the Generating Station RSTPS Stage-I&II

S. No.	Month	Unit	Apr-23	
			HFO	HSD
			M1149201055	M1149200858N
A)	**OPENING QUANTITY**			
1	Opening Stock of Oil	(KL)	4073.06	409.55
2	\ alue of Opening Stock	(Rs.)	283835408.37	44093125.93
B)	**QUANTITY**			
3	Quantity of Secondary Fuel/ supplied by Secondary Fuel/ Company	(KL)	2937.10	96.00
4	Adjustment (-) in quantity supplied by Secondary Fuel/ Company	(KL)	0.00	0.00
5	Secondary Fuel Supplied by Secondary Fuel / Company (3-4)	(KL)	2937.10	96.00
6	Normative transit & Handling losses (for Secondary Fuel / based projects)	(KL)	0.00	0.00
7	Net Secondary Fuel / supplied (5-6)	(KL)	2937.10	96.00
C)	**PRICE**			
8	Amount Charged by the Secondary Fuel/ Company	(Rs.)	167829251.43	11772129.46
9	Adjustment (+/-) in amount charged by Secondary Fuel/ Company	(Rs.)	0.00	0.00
10	Handling, Sampling & Such other similar charges	(Rs.)	0.00	0.00
11	Total Amount Charged (8+9+10)	(Rs.)	167829251.43	11772129.46
D)	**TRANSPORATION**			
12	Transportation charges by Rail/Ship/Road Transport	(Rs.)	0.00	0.00
13	Adjustment (+/-) in amount charged by Rail/Ship/Road Company	(Rs.)	0.00	0.00
14	Demurrage charges , if any	(Rs.)	0.00	0.00
15	Cost of diesel in transporting Secondary Fuel through MGR system if applicable	(Rs.)	0.00	0.00
16	Total Transportation Charges (12-13+14+15)	(Rs.)	0.00	0.00
17	Total amount charged for Secondary Fuel/ supplied including transportation (11+16)	(Rs.)	167829251.43	11772129.46
18	Landed cost of Secondary Fuel (2+17) / (1+7)	Rs./KL	64429.971	110504.333
19	Blending Ratio		0.79	0.21
20	Weighted Average Cost of Secondary Fuel/ For the month	Rs./KL	74144.66	
E)	**QUALITY**			
21	GCV of Domestic Secondary Fuel of the opening Secondary Fuel stock as per bill of Secondary Fuel Company,	(kcal/L)	NA	NA
22	GCV of Domestic Secondary Fuel supplied as per bill of Secondary Fuel Company,	(kcal/L)	NA	NA
23	GCV of Imported Secondary Fuel of the opening stock as per bill Secondary Fuel Company,	(kcal/L)		
24	GCV of Imported Secondary Fuel supplied as per bill Secondary Fuel Company	(kcal/L)		
25	Weighted average GCV of Secondary Fuel/ as Billed	(kcal/L)	NA	NA
26	GCV of Domestic Secondary Fuel of the opening stock as received at Station	(kcal/L)	0	0
27	GCV of Domestic Secondary Fuel supplied as received at Station	(kcal/L)	0	0
28	GCV of Imported Secondary Fuel of opening stock as received at Station	(kcal/L)		
29	GCV of Imported Secondary Fuel of supplied as received at Station	(kcal/L)		
30	Weighted average GCV of Secondary Fuel/ as Received	(kcal/L)	9621	

Rakesh Kumar
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Date: 2024.05.24 16:06:19 +05'30'

As per our report of even date
For M/s Goyal Parul and Co.
Chartered Accountants
FRN: 016750N

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Date: 2024.08.23 13:12:46 +05'30'

FORM- 15 : Details of Secondary Fuel for Computation of Energy Charges

Name of the Petitioner: NTPC Limited
Name of the Generating Station RSTPS Stage-III

S. No.	Month	Unit	Apr-23
			HFO
			M1149201055
A)	OPENING QUANTITY		
1	Opening Stock of Oil	(KL)	4073.06
2	Value of Opening Stock	(Rs.)	283835408.37
B)	QUANTITY		
3	Quantity of Secondary Fuel/ supplied by Secondary Fuel/ Company	(KL)	2937.10
4	Adjustment (-) in quantity supplied by Secondary Fuel/ Company	(KL)	0.00
5	Secondary Fuel Supplied by Secondary Fuel / Company (3-4)	(KL)	2937.10
6	Normative transit & Handling losses (for Secondary Fuel / based projects)	(KL)	0.00
7	Net Secondary Fuel / supplied (5-6)	(KL)	2937.10
C)	PRICE		
8	Amount Charged by the Secondary Fuel/ Company	(Rs.)	167829251.43
9	Adjustment (+/-) in amount charged by Secondary Fuel/ Company	(Rs.)	0.00
10	Handling, Sampling & Such other similar charges	(Rs.)	0.00
11	Total Amount Charged (8+9+10)	(Rs.)	167829251.43
D)	TRANSPORATION		
12	Transportation charges by Rail/Ship/Road Transport	(Rs.)	0.00
13	Adjustment (+/-) in amount charged by Rail/Ship/Road Company	(Rs.)	0.00
14	Demurrage charges , if any	(Rs.)	0.00
15	Cost of diesel in transporting Secondary Fuel through MGR system if applicable	(Rs.)	0.00
16	Total Transportation Charges (12-13+14+15)	(Rs.)	0.00
17	Total amount charged for Secondary Fuel/ supplied including transportation (11+16)	(Rs.)	167829251.43
18	Landed cost of Secondary Fuel (2+17) / (1+7)	Rs./KL	64429.97
19	Blending Ratio		1.00
20	Weighted Average Cost of Secondary Fuel/ For the month	Rs./KL	64429.97
E)	QUALITY		
21	GCV of Domestic Secondary Fuel of the opening Secondary Fuel stock as per bill of Secondary Fuel Company,	(kcal/L)	NA
22	GCV of Domestic Secondary Fuel supplied as per bill of Secondary Fuel Company,	(kcal/L)	NA
23	GCV of Imported Secondary Fuel of the opening stock as per bill Secondary Fuel Company,	(kcal/L)	
24	GCV of Imported Secondary Fuel supplied as per bill Secondary Fuel Company	(kcal/L)	
25	Weighted average GCV of Secondary Fuel/ as Billed	(kcal/L)	NA
26	GCV of Domestic Secondary Fuel of the opening stock as received at Station	(kcal/L)	0
27	GCV of Domestic Secondary Fuel supplied as received at Station	(kcal/L)	0
28	GCV of Imported Secondary Fuel of opening stock as received at Station	(kcal/L)	
29	GCV of Imported Secondary Fuel of supplied as received at Station	(kcal/L)	
30	Weighted average GCV of Secondary Fuel/ as Received	(kcal/L)	9824

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As per our report of even date
for M/s Goyal Harsharan & Co.
Chartered Accountants

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FORM- 15 : Details of Secondary Fuel for Computation of Energy Charges

Name of the Petitioner: NTPC Limited
Name of the Generating Station RSTPS Stage-I&II

S. No.	Month	Unit	May-23	
			HFO	HSD
			M1149201055	M1149200858N
A)	**OPENING QUANTITY**			
1	Opening Stock of Oil	(KL)	6542.08	380.48
2	\ alue of Opening Stock	(Rs.)	421505828.20	42045031.03
B)	**QUANTITY**			
3	Quantity of Secondary Fuel/ supplied by Secondary Fuel/ Company	(KL)	0.00	53.00
4	Adjustment (-) in quantity supplied by Secondary Fuel/ Company	(KL)	0.00	0.00
5	Secondary Fuel Supplied by Secondary Fuel / Company (3-4)	(KL)	0.00	53.00
6	Normative transit & Handling losses (for Secondary Fuel / based projects)	(KL)	0.00	0.00
7	Net Secondary Fuel / supplied (5-6)	(KL)	0.00	53.00
C)	**PRICE**			
8	Amount Charged by the Secondary Fuel/ Company	(Rs.)	0.00	4340852.02
9	Adjustment (+/-) in amount charged by Secondary Fuel/ Company	(Rs.)	0.00	0.00
10	Handling, Sampling & Such other similar charges	(Rs.)	0.00	0.00
11	Total Amount Charged (8+9+10)	(Rs.)	0.00	4340852.02
D)	**TRANSPORATION**			
12	Transportation charges by Rail/Ship/Road Transport	(Rs.)	0.00	0.00
13	Adjustment (+/-) in amount charged by Rail/Ship/Road Company	(Rs.)	0.00	0.00
14	Demurrage charges , if any	(Rs.)	0.00	0.00
15	Cost of diesel in transporting Secondary Fuel through MGR system if applicable	(Rs.)	0.00	0.00
16	Total Transportation Charges (12-13+14+15)	(Rs.)	0.00	0.00
17	Total amount charged for Secondary Fuel/ supplied including transportation (11+16)	(Rs.)	0.00	4340852.02
18	Landed cost of Secondary Fuel (2+17) / (1+7)	Rs./KL	64429.971	107007.362
19	Blending Ratio		0.75	0.25
20	Weighted Average Cost of Secondary Fuel/ For the month	Rs./KL	74899.73	
E)	**QUALITY**			
21	GCV of Domestic Secondary Fuel of the opening Secondary Fuel stock as per bill of Secondary Fuel Company,	(kcal/L)	NA	NA
22	GCV of Domestic Secondary Fuel supplied as per bill of Secondary Fuel Company,	(kcal/L)	NA	NA
23	GCV of Imported Secondary Fuel of the opening stock as per bill Secondary Fuel Company,	(kcal/L)		
24	GCV of Imported Secondary Fuel supplied as per bill Secondary Fuel Company	(kcal/L)		
25	Weighted average GCV of Secondary Fuel/ as Billed	(kcal/L)	NA	NA
26	GCV of Domestic Secondary Fuel of the opening stock as received at Station	(kcal/L)	0	0
27	GCV of Domestic Secondary Fuel supplied as received at Station	(kcal/L)	0	0
28	GCV of Imported Secondary Fuel of opening stock as received at Station	(kcal/L)		
29	GCV of Imported Secondary Fuel of supplied as received at Station	(kcal/L)		
30	Weighted average GCV of Secondary Fuel/ as Received	(kcal/L)	9616	

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As per our report of even date
For M/s Goyal Parul and Co.
Chartered Accountants
FRN: 016750N

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FORM- 15 : Details of Secondary Fuel for Computation of Energy Charges

Name of the Petitioner: NTPC Limited
Name of the Generating Station RSTPS Stage-III

S. No.	Month	Unit	May-23
			HFO
			M1149201055
A)	OPENING QUANTITY		
1	Opening Stock of Oil	(KL)	6542.08
2	Value of Opening Stock	(Rs.)	421505828.20
B)	QUANTITY		
3	Quantity of Secondary Fuel/ supplied by Secondary Fuel/ Company	(KL)	0.00
4	Adjustment (-) in quantity supplied by Secondary Fuel/ Company	(KL)	0.00
5	Secondary Fuel Supplied by Secondary Fuel / Company (3-4)	(KL)	0.00
6	Normative transit & Handling losses (for Secondary Fuel / based projects)	(KL)	0.00
7	Net Secondary Fuel / supplied (5-6)	(KL)	0.00
C)	PRICE		
8	Amount Charged by the Secondary Fuel/ Company	(Rs.)	0.00
9	Adjustment (+/-) in amount charged by Secondary Fuel/ Company	(Rs.)	0.00
10	Handling, Sampling & Such other similar charges	(Rs.)	0.00
11	Total Amount Charged (8+9+10)	(Rs.)	0.00
D)	TRANSPORATION		
12	Transportation charges by Rail/Ship/Road Transport	(Rs.)	0.00
13	Adjustment (+/-) in amount charged by Rail/Ship/Road Company	(Rs.)	0.00
14	Demurrage charges , if any	(Rs.)	0.00
15	Cost of diesel in transporting Secondary Fuel through MGR system if applicable	(Rs.)	0.00
16	Total Transportation Charges (12-13+14+15)	(Rs.)	0.00
17	Total amount charged for Secondary Fuel/ supplied including transportation (11+16)	(Rs.)	0.00
18	Landed cost of Secondary Fuel (2+17) / (1+7)	Rs./KL	64429.97
19	Blending Ratio		1.00
20	Weighted Average Cost of Secondary Fuel/ For the month	Rs./KL	64429.97
E)	QUALITY		
21	GCV of Domestic Secondary Fuel of the opening Secondary Fuel stock as per bill of Secondary Fuel Company,	(kcal/L)	NA
22	GCV of Domestic Secondary Fuel supplied as per bill of Secondary Fuel Company,	(kcal/L)	NA
23	GCV of Imported Secondary Fuel of the opening stock as per bill Secondary Fuel Company,	(kcal/L)	
24	GCV of Imported Secondary Fuel supplied as per bill Secondary Fuel Company	(kcal/L)	
25	Weighted average GCV of Secondary Fuel/ as Billed	(kcal/L)	NA
26	GCV of Domestic Secondary Fuel of the opening stock as received at Station	(kcal/L)	0
27	GCV of Domestic Secondary Fuel supplied as received at Station	(kcal/L)	0
28	GCV of Imported Secondary Fuel of opening stock as received at Station	(kcal/L)	
29	GCV of Imported Secondary Fuel of supplied as received at Station	(kcal/L)	
30	Weighted average GCV of Secondary Fuel/ as Received	(kcal/L)	9824

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FORM- 15 : Details of Secondary Fuel for Computation of Energy Charges

Name of the Petitioner: NTPC Limited
Name of the Generating Station RSTPS Stage-III

S. No.	Month	Unit	Jun-23
			HFO
			M1149201055
A)	OPENING QUANTITY		
1	Opening Stock of Oil	(KL)	6274.32
2	Value of Opening Stock	(Rs.)	404254510.30
B)	QUANTITY		
3	Quantity of Secondary Fuel/ supplied by Secondary Fuel/ Company	(KL)	0.00
4	Adjustment (-) in quantity supplied by Secondary Fuel/ Company	(KL)	0.00
5	Secondary Fuel Supplied by Secondary Fuel / Company (3-4)	(KL)	0.00
6	Normative transit & Handling losses (for Secondary Fuel / based projects)	(KL)	0.00
7	Net Secondary Fuel / supplied (5-6)	(KL)	0.00
C)	PRICE		
8	Amount Charged by the Secondary Fuel/ Company	(Rs.)	0.00
9	Adjustment (+/-) in amount charged by Secondary Fuel/ Company	(Rs.)	0.00
10	Handling, Sampling & Such other similar charges	(Rs.)	0.00
11	Total Amount Charged (8+9+10)	(Rs.)	0.00
D)	TRANSPORATION		
12	Transportation charges by Rail/Ship/Road Transport	(Rs.)	0.00
13	Adjustment (+/-) in amount charged by Rail/Ship/Road Company	(Rs.)	0.00
14	Demurrage charges , if any	(Rs.)	0.00
15	Cost of diesel in transporting Secondary Fuel through MGR system if applicable	(Rs.)	0.00
16	Total Transportation Charges (12-13+14+15)	(Rs.)	0.00
17	Total amount charged for Secondary Fuel/ supplied including transportation (11+16)	(Rs.)	0.00
18	Landed cost of Secondary Fuel (2+17) / (1+7)	Rs./KL	64429.97
19	Blending Ratio		1.00
20	Weighted Average Cost of Secondary Fuel/ For the month	Rs./KL	64429.97
E)	QUALITY		
21	GCV of Domestic Secondary Fuel of the opening Secondary Fuel stock as per bill of Secondary Fuel Company,	(kcal/L)	NA
22	GCV of Domestic Secondary Fuel supplied as per bill of Secondary Fuel Company,	(kcal/L)	NA
23	GCV of Imported Secondary Fuel of the opening stock as per bill Secondary Fuel Company,	(kcal/L)	
24	GCV of Imported Secondary Fuel supplied as per bill Secondary Fuel Company	(kcal/L)	
25	Weighted average GCV of Secondary Fuel/ as Billed	(kcal/L)	NA
26	GCV of Domestic Secondary Fuel of the opening stock as received at Station	(kcal/L)	0
27	GCV of Domestic Secondary Fuel supplied as received at Station	(kcal/L)	0
28	GCV of Imported Secondary Fuel of opening stock as received at Station	(kcal/L)	
29	GCV of Imported Secondary Fuel of supplied as received at Station	(kcal/L)	
30	Weighted average GCV of Secondary Fuel/ as Received	(kcal/L)	9824

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FORM- 15 : Details of Secondary Fuel for Computation of Energy Charges

Name of the Petitioner: NTPC Limited
Name of the Generating Station RSTPS Stage-I&II

S. No.	Month	Unit	Jun-23	
			HFO	HSD
			M1149201055	M1149200858N
A)	**OPENING QUANTITY**			
1	Opening Stock of Oil	(KL)	6274.32	351.42
2	\ alue of Opening Stock	(Rs.)	404254510.30	37604323.88
B)	**QUANTITY**			
3	Quantity of Secondary Fuel/ supplied by Secondary Fuel/ Company	(KL)	0.00	102.00
4	Adjustment (-) in quantity supplied by Secondary Fuel/ Company	(KL)	0.00	0.00
5	Secondary Fuel Supplied by Secondary Fuel / Company (3-4)	(KL)	0.00	102.00
6	Normative transit & Handling losses (for Secondary Fuel / based projects)	(KL)	0.00	0.00
7	Net Secondary Fuel / supplied (5-6)	(KL)	0.00	102.00
C)	**PRICE**			
8	Amount Charged by the Secondary Fuel/ Company	(Rs.)	0.00	9022795.52
9	Adjustment (+/-) in amount charged by Secondary Fuel/ Company	(Rs.)	0.00	0.00
10	Handling, Sampling & Such other similar charges	(Rs.)	0.00	0.00
11	Total Amount Charged (8+9+10)	(Rs.)	0.00	9022795.52
D)	**TRANSPORATION**			
12	Transportation charges by Rail/Ship/Road Transport	(Rs.)	0.00	0.00
13	Adjustment (+/-) in amount charged by Rail/Ship/Road Company	(Rs.)	0.00	0.00
14	Demurrage charges , if any	(Rs.)	0.00	0.00
15	Cost of diesel in transporting Secondary Fuel through MGR system if applicable	(Rs.)	0.00	0.00
16	Total Transportation Charges (12-13+14+15)	(Rs.)	0.00	0.00
17	Total amount charged for Secondary Fuel/ supplied including transportation (11+16)	(Rs.)	0.00	9022795.52
18	Landed cost of Secondary Fuel (2+17) / (1+7)	Rs./KL	64429.971	102834.711
19	Blending Ratio		0.93	0.07
20	Weighted Average Cost of Secondary Fuel/ For the month	Rs./KL	67291.67	
E)	**QUALITY**			
21	GCV of Domestic Secondary Fuel of the opening Secondary Fuel stock as per bill of Secondary Fuel Company,	(kcal/L)	NA	NA
22	GCV of Domestic Secondary Fuel supplied as per bill of Secondary Fuel Company,	(kcal/L)	NA	NA
23	GCV of Imported Secondary Fuel of the opening stock as per bill Secondary Fuel Company,	(kcal/L)		
24	GCV of Imported Secondary Fuel supplied as per bill Secondary Fuel Company	(kcal/L)		
25	Weighted average GCV of Secondary Fuel/ as Billed	(kcal/L)	NA	NA
26	GCV of Domestic Secondary Fuel of the opening stock as received at Station	(kcal/L)	0	0
27	GCV of Domestic Secondary Fuel supplied as received at Station	(kcal/L)	0	0
28	GCV of Imported Secondary Fuel of opening stock as received at Station	(kcal/L)		
29	GCV of Imported Secondary Fuel of supplied as received at Station	(kcal/L)		
30	Weighted average GCV of Secondary Fuel/ as Received	(kcal/L)	9756	

Rakesh Kumar

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As per our report of even date
For M/s Goyal Parul and Co.
Chartered Accountants
FRN: 016750N

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FORM- 15 : Details of Secondary Fuel for Computation of Energy Charges

Name of the Petitioner: NTPC Limited
Name of the Generating Station RSTPS Stage-I&II

S. No.	Month	Unit	Jul-23	
			HFO	HSD
			M1149201055	M1149200858N
A)	**OPENING QUANTITY**			
1	Opening Stock of Oil	(KL)	5015.89	352.10
2	\ alue of Opening Stock	(Rs.)	323173838.08	36207803.62
B)	**QUANTITY**			
3	Quantity of Secondary Fuel/ supplied by Secondary Fuel/ Company	(KL)	0.00	258.00
4	Adjustment (-) in quantity supplied by Secondary Fuel/ Company	(KL)	0.00	0.00
5	Secondary Fuel Supplied by Secondary Fuel / Company (3-4)	(KL)	0.00	258.00
6	Normative transit & Handling losses (for Secondary Fuel / based projects)	(KL)	0.00	0.00
7	Net Secondary Fuel / supplied (5-6)	(KL)	0.00	258.00
C)	**PRICE**			
8	Amount Charged by the Secondary Fuel/ Company	(Rs.)	0.00	28624559.22
9	Adjustment (+/-) in amount charged by Secondary Fuel/ Company	(Rs.)	0.00	0.00
10	Handling, Sampling & Such other similar charges	(Rs.)	0.00	0.00
11	Total Amount Charged (8+9+10)	(Rs.)	0.00	28624559.22
D)	**TRANSPORATION**			
12	Transportation charges by Rail/Ship/Road Transport	(Rs.)	0.00	0.00
13	Adjustment (+/-) in amount charged by Rail/Ship/Road Company	(Rs.)	0.00	0.00
14	Demurrage charges , if any	(Rs.)	0.00	0.00
15	Cost of diesel in transporting Secondary Fuel through MGR system if applicable	(Rs.)	0.00	0.00
16	Total Transportation Charges (12-13+14+15)	(Rs.)	0.00	0.00
17	Total amount charged for Secondary Fuel/ supplied including transportation (11+16)	(Rs.)	0.00	28624559.22
18	Landed cost of Secondary Fuel (2+17) / (1+7)	Rs./KL	64429.971	106265.647
19	Blending Ratio		0.80	0.20
20	Weighted Average Cost of Secondary Fuel/ For the month	Rs./KL	72729.81	
E)	**QUALITY**			
21	GCV of Domestic Secondary Fuel of the opening Secondary Fuel stock as per bill of Secondary Fuel Company,	(kcal/L)	NA	NA
22	GCV of Domestic Secondary Fuel supplied as per bill of Secondary Fuel Company,	(kcal/L)	NA	NA
23	GCV of Imported Secondary Fuel of the opening stock as per bill Secondary Fuel Company,	(kcal/L)		
24	GCV of Imported Secondary Fuel supplied as per bill Secondary Fuel Company	(kcal/L)		
25	Weighted average GCV of Secondary Fuel/ as Billed	(kcal/L)	NA	NA
26	GCV of Domestic Secondary Fuel of the opening stock as received at Station	(kcal/L)	0	0
27	GCV of Domestic Secondary Fuel supplied as received at Station	(kcal/L)	0	0
28	GCV of Imported Secondary Fuel of opening stock as received at Station	(kcal/L)		
29	GCV of Imported Secondary Fuel of supplied as received at Station	(kcal/L)		
30	Weighted average GCV of Secondary Fuel/ as Received	(kcal/L)	9644	

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As per our report of even date
For M/s Goyal Parul and Co.
Chartered Accountants
FRN: 016750N

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FORM- 15 : Details of Secondary Fuel for Computation of Energy Charges

Name of the Petitioner: NTPC Limited
Name of the Generating Station RSTPS Stage-III

S. No.	Month	Unit	Jul-23
			HFO
			M1149201055
A)	OPENING QUANTITY		
1	Opening Stock of Oil	(KL)	5015.89
2	Value of Opening Stock	(Rs.)	323173838.08
B)	QUANTITY		
3	Quantity of Secondary Fuel/ supplied by Secondary Fuel/ Company	(KL)	0.00
4	Adjustment (-) in quantity supplied by Secondary Fuel/ Company	(KL)	0.00
5	Secondary Fuel Supplied by Secondary Fuel / Company (3-4)	(KL)	0.00
6	Normative transit & Handling losses (for Secondary Fuel / based projects)	(KL)	0.00
7	Net Secondary Fuel / supplied (5-6)	(KL)	0.00
C)	PRICE		
8	Amount Charged by the Secondary Fuel/ Company	(Rs.)	0.00
9	Adjustment (+/-) in amount charged by Secondary Fuel/ Company	(Rs.)	0.00
10	Handling, Sampling & Such other similar charges	(Rs.)	0.00
11	Total Amount Charged (8+9+10)	(Rs.)	0.00
D)	TRANSPORATION		
12	Transportation charges by Rail/Ship/Road Transport	(Rs.)	0.00
13	Adjustment (+/-) in amount charged by Rail/Ship/Road Company	(Rs.)	0.00
14	Demurrage charges , if any	(Rs.)	0.00
15	Cost of diesel in transporting Secondary Fuel through MGR system if applicable	(Rs.)	0.00
16	Total Transportation Charges (12-13+14+15)	(Rs.)	0.00
17	Total amount charged for Secondary Fuel/ supplied including transportation (11+16)	(Rs.)	0.00
18	Landed cost of Secondary Fuel (2+17) / (1+7)	Rs./KL	64429.97
19	Blending Ratio		1.00
20	Weighted Average Cost of Secondary Fuel/ For the month	Rs./KL	64429.97
E)	QUALITY		
21	GCV of Domestic Secondary Fuel of the opening Secondary Fuel stock as per bill of Secondary Fuel Company,	(kcal/L)	NA
22	GCV of Domestic Secondary Fuel supplied as per bill of Secondary Fuel Company,	(kcal/L)	NA
23	GCV of Imported Secondary Fuel of the opening stock as per bill Secondary Fuel Company,	(kcal/L)	
24	GCV of Imported Secondary Fuel supplied as per bill Secondary Fuel Company	(kcal/L)	
25	Weighted average GCV of Secondary Fuel/ as Billed	(kcal/L)	NA
26	GCV of Domestic Secondary Fuel of the opening stock as received at Station	(kcal/L)	0
27	GCV of Domestic Secondary Fuel supplied as received at Station	(kcal/L)	0
28	GCV of Imported Secondary Fuel of opening stock as received at Station	(kcal/L)	
29	GCV of Imported Secondary Fuel of supplied as received at Station	(kcal/L)	
30	Weighted average GCV of Secondary Fuel/ as Received	(kcal/L)	9824

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FORM- 15 : Details of Secondary Fuel for Computation of Energy Charges

Name of the Petitioner: NTPC Limited
Name of the Generating Station RSTPS Stage-I&II

S. No.	Month	Unit	Aug-23	
			HFO	HSD
			M1149201055	M1149200858N
A)	**OPENING QUANTITY**			
1	Opening Stock of Oil	(KL)	3776.36	313.37
2	\ alue of Opening Stock	(Rs.)	243310441.29	33300476.31
B)	**QUANTITY**			
3	Quantity of Secondary Fuel/ supplied by Secondary Fuel/ Company	(KL)	2936.43	100.00
4	Adjustment (-) in quantity supplied by Secondary Fuel/ Company	(KL)	0.00	0.00
5	Secondary Fuel Supplied by Secondary Fuel / Company (3-4)	(KL)	2936.43	100.00
6	Normative transit & Handling losses (for Secondary Fuel / based projects)	(KL)	0.00	0.00
7	Net Secondary Fuel / supplied (5-6)	(KL)	2936.43	100.00
C)	**PRICE**			
8	Amount Charged by the Secondary Fuel/ Company	(Rs.)	172657304.43	9115092.06
9	Adjustment (+/-) in amount charged by Secondary Fuel/ Company	(Rs.)	0.00	0.00
10	Handling, Sampling & Such other similar charges	(Rs.)	0.00	0.00
11	Total Amount Charged (8+9+10)	(Rs.)	172657304.43	9115092.06
D)	**TRANSPORATION**			
12	Transportation charges by Rail/Ship/Road Transport	(Rs.)	0.00	0.00
13	Adjustment (+/-) in amount charged by Rail/Ship/Road Company	(Rs.)	0.00	0.00
14	Demurrage charges , if any	(Rs.)	0.00	0.00
15	Cost of diesel in transporting Secondary Fuel through MGR system if applicable	(Rs.)	0.00	0.00
16	Total Transportation Charges (12-13+14+15)	(Rs.)	0.00	0.00
17	Total amount charged for Secondary Fuel/ supplied including transportation (11+16)	(Rs.)	172657304.43	9115092.06
18	Landed cost of Secondary Fuel (2+17) / (1+7)	Rs./KL	61966.493	102609.183
19	Blending Ratio		0.89	0.11
20	Weighted Average Cost of Secondary Fuel/ For the month	Rs./KL	66272.73	
E)	**QUALITY**			
21	GCV of Domestic Secondary Fuel of the opening Secondary Fuel stock as per bill of Secondary Fuel Company,	(kcal/L)	NA	NA
22	GCV of Domestic Secondary Fuel supplied as per bill of Secondary Fuel Company,	(kcal/L)	NA	NA
23	GCV of Imported Secondary Fuel of the opening stock as per bill Secondary Fuel Company,	(kcal/L)		
24	GCV of Imported Secondary Fuel supplied as per bill Secondary Fuel Company	(kcal/L)		
25	Weighted average GCV of Secondary Fuel/ as Billed	(kcal/L)	NA	NA
26	GCV of Domestic Secondary Fuel of the opening stock as received at Station	(kcal/L)	0	0
27	GCV of Domestic Secondary Fuel supplied as received at Station	(kcal/L)	0	0
28	GCV of Imported Secondary Fuel of opening stock as received at Station	(kcal/L)		
29	GCV of Imported Secondary Fuel of supplied as received at Station	(kcal/L)		
30	Weighted average GCV of Secondary Fuel/ as Received	(kcal/L)	9725	

Rakesh Kumar

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As per our report of even date
For M/s Goyal Parul and Co.
Chartered Accountants
FRN: 016750N

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FORM- 15 : Details of Secondary Fuel for Computation of Energy Charges

Name of the Petitioner: NTPC Limited
Name of the Generating Station RSTPS Stage-III

S. No.	Month	Unit	Aug-23
			HFO
			M1149201055
A)	OPENING QUANTITY		
1	Opening Stock of Oil	(KL)	3776.36
2	Value of Opening Stock	(Rs.)	243310441.29
B)	QUANTITY		
3	Quantity of Secondary Fuel/ supplied by Secondary Fuel/ Company	(KL)	2936.43
4	Adjustment (-) in quantity supplied by Secondary Fuel/ Company	(KL)	0.00
5	Secondary Fuel Supplied by Secondary Fuel / Company (3-4)	(KL)	2936.43
6	Normative transit & Handling losses (for Secondary Fuel / based projects)	(KL)	0.00
7	Net Secondary Fuel / supplied (5-6)	(KL)	2936.43
C)	PRICE		
8	Amount Charged by the Secondary Fuel/ Company	(Rs.)	172657304.43
9	Adjustment (+/-) in amount charged by Secondary Fuel/ Company	(Rs.)	0.00
10	Handling, Sampling & Such other similar charges	(Rs.)	0.00
11	Total Amount Charged (8+9+10)	(Rs.)	172657304.43
D)	TRANSPORATION		
12	Transportation charges by Rail/Ship/Road Transport	(Rs.)	0.00
13	Adjustment (+/-) in amount charged by Rail/Ship/Road Company	(Rs.)	0.00
14	Demurrage charges , if any	(Rs.)	0.00
15	Cost of diesel in transporting Secondary Fuel through MGR system if applicable	(Rs.)	0.00
16	Total Transportation Charges (12-13+14+15)	(Rs.)	0.00
17	Total amount charged for Secondary Fuel/ supplied including transportation (11+16)	(Rs.)	172657304.43
18	Landed cost of Secondary Fuel (2+17) / (1+7)	Rs./KL	61966.49
19	Blending Ratio		1.00
20	Weighted Average Cost of Secondary Fuel/ For the month	Rs./KL	61966.49
E)	QUALITY		
21	GCV of Domestic Secondary Fuel of the opening Secondary Fuel stock as per bill of Secondary Fuel Company,	(kcal/L)	NA
22	GCV of Domestic Secondary Fuel supplied as per bill of Secondary Fuel Company,	(kcal/L)	NA
23	GCV of Imported Secondary Fuel of the opening stock as per bill Secondary Fuel Company,	(kcal/L)	
24	GCV of Imported Secondary Fuel supplied as per bill Secondary Fuel Company	(kcal/L)	
25	Weighted average GCV of Secondary Fuel/ as Billed	(kcal/L)	NA
26	GCV of Domestic Secondary Fuel of the opening stock as received at Station	(kcal/L)	0
27	GCV of Domestic Secondary Fuel supplied as received at Station	(kcal/L)	0
28	GCV of Imported Secondary Fuel of opening stock as received at Station	(kcal/L)	
29	GCV of Imported Secondary Fuel of supplied as received at Station	(kcal/L)	
30	Weighted average GCV of Secondary Fuel/ as Received	(kcal/L)	9800

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FORM- 15 : Details of Secondary Fuel for Computation of Energy Charges

Name of the Petitioner: NTPC Limited
Name of the Generating Station RSTPS Stage-I&II

S. No.	Month	Unit	Sep-23	
			HFO	HSD
			M1149201055	M1149200858N
A)	**OPENING QUANTITY**			
1	Opening Stock of Oil	(KL)	5882.62	317.95
2	Value of Opening Stock	(Rs.)	364525393.90	32624600.10
B)	**QUANTITY**			
3	Quantity of Secondary Fuel/ supplied by Secondary Fuel/ Company	(KL)	0.00	0.00
4	Adjustment (-) in quantity supplied by Secondary Fuel/ Company	(KL)	0.00	0.00
5	Secondary Fuel Supplied by Secondary Fuel / Company (3-4)	(KL)	0.00	0.00
6	Normative transit & Handling losses (for Secondary Fuel / based projects)	(KL)	0.00	0.00
7	Net Secondary Fuel / supplied (5-6)	(KL)	0.00	0.00
C)	**PRICE**			
8	Amount Charged by the Secondary Fuel/ Company	(Rs.)	0.00	0.00
9	Adjustment (+/-) in amount charged by Secondary Fuel/ Company	(Rs.)	0.00	0.00
10	Handling, Sampling & Such other similar charges	(Rs.)	0.00	0.00
11	Total Amount Charged (8+9+10)	(Rs.)	0.00	0.00
D)	**TRANSPORATION**			
12	Transportation charges by Rail/Ship/Road Transport	(Rs.)	0.00	0.00
13	Adjustment (+/-) in amount charged by Rail/Ship/Road Company	(Rs.)	0.00	0.00
14	Demurrage charges , if any	(Rs.)	0.00	0.00
15	Cost of diesel in transporting Secondary Fuel through MGR system if applicable	(Rs.)	0.00	0.00
16	Total Transportation Charges (12-13+14+15)	(Rs.)	0.00	0.00
17	Total amount charged for Secondary Fuel/ supplied including transportation (11+16)	(Rs.)	0.00	0.00
18	Landed cost of Secondary Fuel (2+17) / (1+7)	Rs./KL	61966.493	102609.183
19	Blending Ratio		0.80	0.20
20	Weighted Average Cost of Secondary Fuel/ For the month	Rs./KL	70163.66	
E)	**QUALITY**			
21	GCV of Domestic Secondary Fuel of the opening Secondary Fuel stock as per bill of Secondary Fuel Company,	(kcal/L)	NA	NA
22	GCV of Domestic Secondary Fuel supplied as per bill of Secondary Fuel Company,	(kcal/L)	NA	NA
23	GCV of Imported Secondary Fuel of the opening stock as per bill Secondary Fuel Company,	(kcal/L)		
24	GCV of Imported Secondary Fuel supplied as per bill Secondary Fuel Company	(kcal/L)		
25	Weighted average GCV of Secondary Fuel/ as Billed	(kcal/L)	NA	NA
26	GCV of Domestic Secondary Fuel of the opening stock as received at Station	(kcal/L)	0	0
27	GCV of Domestic Secondary Fuel supplied as received at Station	(kcal/L)	0	0
28	GCV of Imported Secondary Fuel of opening stock as received at Station	(kcal/L)		
29	GCV of Imported Secondary Fuel of supplied as received at Station	(kcal/L)		
30	Weighted average GCV of Secondary Fuel/ as Received	(kcal/L)	9657	

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As per our report of even date
For M/s Goyal Parul and Co.
Chartered Accountants
FRN: 016750N

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FORM- 15 : Details of Secondary Fuel for Computation of Energy Charges

Name of the Petitioner: NTPC Limited
Name of the Generating Station RSTPS Stage-III

S. No.	Month	Unit	Sep-23
			HFO
			M1149201055
A)	OPENING QUANTITY		
1	Opening Stock of Oil	(KL)	5882.62
2	Value of Opening Stock	(Rs.)	364525393.90
B)	QUANTITY		
3	Quantity of Secondary Fuel/ supplied by Secondary Fuel/ Company	(KL)	0.00
4	Adjustment (-) in quantity supplied by Secondary Fuel/ Company	(KL)	0.00
5	Secondary Fuel Supplied by Secondary Fuel / Company (3-4)	(KL)	0.00
6	Normative transit & Handling losses (for Secondary Fuel / based projects)	(KL)	0.00
7	Net Secondary Fuel / supplied (5-6)	(KL)	0.00
C)	PRICE		
8	Amount Charged by the Secondary Fuel/ Company	(Rs.)	0.00
9	Adjustment (+/-) in amount charged by Secondary Fuel/ Company	(Rs.)	0.00
10	Handling, Sampling & Such other similar charges	(Rs.)	0.00
11	Total Amount Charged (8+9+10)	(Rs.)	0.00
D)	TRANSPORATION		
12	Transportation charges by Rail/Ship/Road Transport	(Rs.)	0.00
13	Adjustment (+/-) in amount charged by Rail/Ship/Road Company	(Rs.)	0.00
14	Demurrage charges , if any	(Rs.)	0.00
15	Cost of diesel in transporting Secondary Fuel through MGR system if applicable	(Rs.)	0.00
16	Total Transportation Charges (12-13+14+15)	(Rs.)	0.00
17	Total amount charged for Secondary Fuel/ supplied including transportation (11+16)	(Rs.)	0.00
18	Landed cost of Secondary Fuel (2+17) / (1+7)	Rs./KL	61966.49
19	Blending Ratio		1.00
20	Weighted Average Cost of Secondary Fuel/ For the month	Rs./KL	61966.49
E)	QUALITY		
21	GCV of Domestic Secondary Fuel of the opening Secondary Fuel stock as per bill of Secondary Fuel Company,	(kcal/L)	NA
22	GCV of Domestic Secondary Fuel supplied as per bill of Secondary Fuel Company,	(kcal/L)	NA
23	GCV of Imported Secondary Fuel of the opening stock as per bill Secondary Fuel Company,	(kcal/L)	
24	GCV of Imported Secondary Fuel supplied as per bill Secondary Fuel Company	(kcal/L)	
25	Weighted average GCV of Secondary Fuel/ as Billed	(kcal/L)	NA
26	GCV of Domestic Secondary Fuel of the opening stock as received at Station	(kcal/L)	0
27	GCV of Domestic Secondary Fuel supplied as received at Station	(kcal/L)	0
28	GCV of Imported Secondary Fuel of opening stock as received at Station	(kcal/L)	
29	GCV of Imported Secondary Fuel of supplied as received at Station	(kcal/L)	
30	Weighted average GCV of Secondary Fuel/ as Received	(kcal/L)	9800

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FORM- 15 : Details of Fuel for Computation of Energy Charges

Name of the Petitioner: NTPC Limited
Name of the Generating Station RSTPS Stage-I&II

S. No.	Month	Unit	Oct-23			
			Domestic Coal (Other Sources)	Domestic Coal (NTPC Mines)	Imported	Biomass
			M1149100657	M1149100620	M1149100666	M1149102501N
A)	OPENING QUANTITY					
1	Opening Quantity of Coal	(MT)	84167.72	0.00	0.00	0.00
2	Value of Stock	(Rs.)	402778619.31	0.00	0.00	0.00
B)	QUANTITY					
3	Quantity of Coal supplied by Coal Company	(MT)	905563.33	0.00	0.00	0.00
4	Adjustment (+/-) in quantity supplied made by Coal Company	(MT)	0.00	0.00	0.00	0.00
5	Coal supplied by Coal Company (3+4)	(MT)	905563.33	0.00	0.00	0.00
6	Normative Transit & Handling Losses (For Coal based Projects)	(MT)	3214.78	0.00	0.00	0.00
7	Net Coal Supplied (5-6)	(MT)	902348.55	0.00	0.00	0.00
C)	PRICE					
8	Amount charged by the Coal Company	(Rs.)	4,023,511,389.00	0.00	0.00	0.00
9	Adjustment (+/-) in amount charged made by Coal Company	(Rs.)	0.00	0.00	0.00	0.00
10	Handling, Sampling and such other similar charges	(Rs.)	24167037.24	0.00	0.00	0.00
11	Total amount Charged (8+9+10)	(Rs.)	4047678426.24	0.00	0.00	0.00
D)	TRANSPORATION					
12	Transportation charges by rail/ship/road transport	(Rs.)	82,531,134.00	0.00	0.00	0.00
13	Adjustment (+/-) in amount charged made by Railways/Transport Company	(Rs.)	0.00	0.00	0.00	0.00
14	Demurrage Charges, if any	(Rs.)	0.00	0.00	0.00	0.00
15	Cost of diesel in transporting Coal through MGR system, if applicable	(Rs.)	0.00	0.00	0.00	0.00
16	Total Transportation Charges (12+13+14+15)	(Rs.)	82531134.00	0.00	0.00	0.00
17	Total amount Charged for Coal supplied including Transportation (11+16)	(Rs.)	4130209560.24	0.00	0.00	0.00
E)	TOTAL COST					
18	Landed cost of Coal (2+17)/(1+7)	Rs./MT	4594.95	0.000	0.000	0.000
19	Blending Ratio (Domestic/Imported)		100.00%	0.00%	0.00%	0.000%
20	Weighted average cost of Coal/ Lignite (Including Biomass)	Rs./MT	4594.95			
20a	Weighted average cost of Coal/ Lignite (Excluding Biomass)		4594.95			
F)	QUALITY (Stage - I, II, III, & IV)					
21	GCV of Domestic Coal of the opening coal stock as per bill of Coal Company	(kCal/Kg)	3941	0	0	0
22	GCV of Domestic Coal supplied as per bill of Coal Company	(kCal/Kg)	4168	0	0	0
23	GCV of Imported Coal of the opening stock as per bill Coal Company	(kCal/Kg)				
24	GCV of Imported Coal supplied as per bill Coal Company	(kCal/Kg)				
25	Weighted average GCV of coal as billed (Including Biomass)	(kCal/Kg)	4149			
25a	Weighted average GCV of coal as billed (Excluding Biomass)	(kCal/Kg)	4149			
26	GCV of Domestic Coal of the opening stock as received at Station	(kCal/Kg)	3182	0	0	0
27	GCV of Domestic Coal / Bio Mass supplied as received at Station	(kCal/Kg)	3409	0	0	0
28	GCV of Imported Coal of opening stock as received at Station	(kCal/Kg)				
29	GCV of Imported Coal supplied as received at Station	(kCal/Kg)				
30	Weighted average GCV of coal/ Lignite as received (Including Biomass)	(kCal/Kg)	3390			
30a	Weighted average GCV of coal/ Lignite as received (Excluding Biomass)	(kCal/Kg)	3390			

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As per our report of even date
For M/s Goyal Parul and Co.
Chartered Accountants
FRN: 016750N

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FORM- 15 : Details of Fuel for Computation of Energy Charges

Name of the Petitioner: NTPC Limited
Name of the Generating Station RSTPS Stage-III

S. No.	Month	Unit	Oct-23			
			Domestic Coal (Other Sources)	Domestic Coal (NTPC Mines)	Imported	Biomass
			M1149100657	M1149100620	M1149100666	M1149102501N
A)	OPENING QUANTITY					
1	Opening Quantity of Coal	(MT)	84167.72	0.00	0.00	0.00
2	Value of Stock	(Rs.)	402778619.31	0.00	0.00	0.00
B)	QUANTITY					
3	Quantity of Coal supplied by Coal Company	(MT)	905563.33	0.00	0.00	0.00
4	Adjustment (+/-) in quantity supplied made by Coal Company	(MT)	0.00	0.00	0.00	0.00
5	Coal supplied by Coal Company (3+4)	(MT)	905563.33	0.00	0.00	0.00
6	Normative Transit & Handling Losses (For Coal based Projects)	(MT)	3214.78	0.00	0.00	0.00
7	Net Coal Supplied (5-6)	(MT)	902348.55	0.00	0.00	0.00
C)	PRICE					
8	Amount charged by the Coal Company	(Rs.)	4,023,511,389.00	0.00	0.00	0.00
9	Adjustment (+/-) in amount charged made by Coal Company	(Rs.)	0.00	0.00	0.00	0.00
10	Handling, Sampling and such other similar charges	(Rs.)	24167037.24	0.00	0.00	0.00
11	Total amount Charged (8+9+10)	(Rs.)	4047678426.24	0.00	0.00	0.00
D)	TRANSPORATION					
12	Transportation charges by rail/ship/road transport	(Rs.)	82,531,134.00	0.00	0.00	0.00
13	Adjustment (+/-) in amount charged made by Railways/Transport Company	(Rs.)	0.00	0.00	0.00	0.00
14	Demurrage Charges, if any	(Rs.)	0.00	0.00	0.00	0.00
15	Cost of diesel in transporting Coal through MGR system, if applicable	(Rs.)	0.00	0.00	0.00	0.00
16	Total Transportation Charges (12+13+14+15)	(Rs.)	82531134.00	0.00	0.00	0.00
17	Total amount Charged for Coal supplied including Transportation (11+16)	(Rs.)	4130209560.24	0.00	0.00	0.00
E)	TOTAL COST					
18	Landed cost of Coal (2+17)/(1+7)	Rs./MT	4594.945	0.000	0.000	0.000
19	Blending Ratio (Domestic/Imported)		100.00%	0.00%	0.00%	0.000%
20	Weighted average cost of Coal/ Lignite (Including Biomass)	Rs./MT	4594.95			
20a	Weighted average cost of Coal/ Lignite (Excluding Biomass)		4594.95			
F)	QUALITY (Stage - I, II, III, & IV)					
21	GCV of Domestic Coal of the opening coal stock as per bill of Coal Company	(kCal/Kg)	3941	0	0	0
22	GCV of Domestic Coal supplied as per bill of Coal Company	(kCal/Kg)	4168	0	0	0
23	GCV of Imported Coal of the opening stock as per bill Coal Company	(kCal/Kg)				
24	GCV of Imported Coal supplied as per bill Coal Company	(kCal/Kg)				
25	Weighted average GCV of coal as billed (Including Biomass)	(kCal/Kg)	4149			
25a	Weighted average GCV of coal as billed (Excluding Biomass)	(kCal/Kg)	4149			
26	GCV of Domestic Coal of the opening stock as received at Station	(kCal/Kg)	3182	0	0	0
27	GCV of Domestic Coal / Bio Mass supplied as received at Station	(kCal/Kg)	3409	0	0	0
28	GCV of Imported Coal of opening stock as received at Station	(kCal/Kg)				
29	GCV of Imported Coal supplied as received at Station	(kCal/Kg)				
30	Weighted average GCV of coal/ Lignite as received (Including Biomass)	(kCal/Kg)	3390			
30a	Weighted average GCV of coal/ Lignite as received (Excluding Biomass)	(kCal/Kg)	3390			

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As per our report of even date
For M/s Goyal Parul and Co.
Chartered Accountants
FRN: 016750N

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FORM- 15 : Details of Fuel for Computation of Energy Charges

Name of the Petitioner: NTPC Limited
Name of the Generating Station RSTPS Stage-I&II

S. No.	Month	Unit	Nov-23			
			Domestic Coal (Other Sources)	Domestic Coal (NTPC Mines)	Imported	Biomass
			M1149100657	M1149100620	M1149100666	M1149102501N
A)	OPENING QUANTITY					
1	Opening Quantity of Coal	(MT)	131872.27	0.00	0.00	0.00
2	Value of Stock	(Rs.)	605946004.97	0.00	0.00	0.00
B)	QUANTITY					
3	Quantity of Coal supplied by Coal Company	(MT)	1012267.07	0.00	0.00	0.00
4	Adjustment (+/-) in quantity supplied made by Coal Company	(MT)	0.00	0.00	0.00	0.00
5	Coal supplied by Coal Company (3+4)	(MT)	1012267.07	0.00	0.00	0.00
6	Normative Transit & Handling Losses (For Coal based Projects)	(MT)	3514.48	0.00	0.00	0.00
7	Net Coal Supplied (5-6)	(MT)	1008752.59	0.00	0.00	0.00
C)	PRICE					
8	Amount charged by the Coal Company	(Rs.)	4,719,596,931.00	0.00	0.00	0.00
9	Adjustment (+/-) in amount charged made by Coal Company	(Rs.)	0.00	0.00	0.00	0.00
10	Handling, Sampling and such other similar charges	(Rs.)	17675426.04	0.00	0.00	0.00
11	Total amount Charged (8+9+10)	(Rs.)	4737272357.04	0.00	0.00	0.00
D)	TRANSPORATION					
12	Transportation charges by rail/ship/road transport	(Rs.)	55,106,502.00	0.00	0.00	0.00
13	Adjustment (+/-) in amount charged made by Railways/Transport Company	(Rs.)	0.00	0.00	0.00	0.00
14	Demurrage Charges, if any	(Rs.)	0.00	0.00	0.00	0.00
15	Cost of diesel in transporting Coal through MGR system, if applicable	(Rs.)	0.00	0.00	0.00	0.00
16	Total Transportation Charges (12+13+14+15)	(Rs.)	55106502.00	0.00	0.00	0.00
17	Total amount Charged for Coal supplied including Transportation (11+16)	(Rs.)	4792378859.04	0.00	0.00	0.00
E)	TOTAL COST					
18	Landed cost of Coal (2+17)/(1+7)	Rs./MT	4732.78	0.000	0.000	0.000
19	Blending Ratio (Domestic/Imported)		100.00%	0.00%	0.00%	0.000%
20	Weighted average cost of Coal/ Lignite (Including Biomass)	Rs./MT	4732.78			
20a	Weighted average cost of Coal/ Lignite (Excluding Biomass)		4732.78			
F)	QUALITY (Stage - I, II, III, & IV)					
21	GCV of Domestic Coal of the opening coal stock as per bill of Coal Company	(kCal/Kg)	4148	0	0	0
22	GCV of Domestic Coal supplied as per bill of Coal Company	(kCal/Kg)	4137	0	0	0
23	GCV of Imported Coal of the opening stock as per bill Coal Company	(kCal/Kg)				
24	GCV of Imported Coal supplied as per bill Coal Company	(kCal/Kg)				
25	Weighted average GCV of coal as billed (Including Biomass)	(kCal/Kg)	4138			
25a	Weighted average GCV of coal as billed (Excluding Biomass)	(kCal/Kg)	4138			
26	GCV of Domestic Coal of the opening stock as received at Station	(kCal/Kg)	3390	0	0	0
27	GCV of Domestic Coal / Bio Mass supplied as received at Station	(kCal/Kg)	3595	0	0	0
28	GCV of Imported Coal of opening stock as received at Station	(kCal/Kg)				
29	GCV of Imported Coal supplied as received at Station	(kCal/Kg)				
30	Weighted average GCV of coal/ Lignite as received (Including Biomass)	(kCal/Kg)	3571			
30a	Weighted average GCV of coal/ Lignite as received (Excluding Biomass)	(kCal/Kg)	3571			

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As per our report of even date
For M/s Goyal Parul and Co.
Chartered Accountants
FRN: 016750N

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FORM- 15 : Details of Fuel for Computation of Energy Charges

Name of the Petitioner: NTPC Limited
Name of the Generating Station RSTPS Stage-III

S. No.	Month	Unit	Nov-23			
			Domestic Coal (Other Sources)	Domestic Coal (NTPC Mines)	Imported	Biomass
			M1149100657	M1149100620	M1149100666	M1149102501N
A)	OPENING QUANTITY					
1	Opening Quantity of Coal	(MT)	131872.27	0.00	0.00	0.00
2	Value of Stock	(Rs.)	605946004.97	0.00	0.00	0.00
B)	QUANTITY					
3	Quantity of Coal supplied by Coal Company	(MT)	1012267.07	0.00	0.00	0.00
4	Adjustment (+/-) in quantity supplied made by Coal Company	(MT)	0.00	0.00	0.00	0.00
5	Coal supplied by Coal Company (3+4)	(MT)	1012267.07	0.00	0.00	0.00
6	Normative Transit & Handling Losses (For Coal based Projects)	(MT)	3514.48	0.00	0.00	0.00
7	Net Coal Supplied (5-6)	(MT)	1008752.59	0.00	0.00	0.00
C)	PRICE					
8	Amount charged by the Coal Company	(Rs.)	4,719,596,931.00	0.00	0.00	0.00
9	Adjustment (+/-) in amount charged made by Coal Company	(Rs.)	0.00	0.00	0.00	0.00
10	Handling, Sampling and such other similar charges	(Rs.)	17675426.04	0.00	0.00	0.00
11	Total amount Charged (8+9+10)	(Rs.)	4737272357.04	0.00	0.00	0.00
D)	TRANSPORATION					
12	Transportation charges by rail/ship/road transport	(Rs.)	55,106,502.00	0.00	0.00	0.00
13	Adjustment (+/-) in amount charged made by Railways/Transport Company	(Rs.)	0.00	0.00	0.00	0.00
14	Demurrage Charges, if any	(Rs.)	0.00	0.00	0.00	0.00
15	Cost of diesel in transporting Coal through MGR system, if applicable	(Rs.)	0.00	0.00	0.00	0.00
16	Total Transportation Charges (12+13+14+15)	(Rs.)	55106502.00	0.00	0.00	0.00
17	Total amount Charged for Coal supplied including Transportation (11+16)	(Rs.)	4792378859.04	0.00	0.00	0.00
E)	TOTAL COST					
18	Landed cost of Coal (2+17)/(1+7)	Rs./MT	4732.779	0.000	0.000	0.000
19	Blending Ratio (Domestic/Imported)		100.00%	0.00%	0.00%	0.000%
20	Weighted average cost of Coal/ Lignite (Including Biomass)	Rs./MT	4732.78			
20a	Weighted average cost of Coal/ Lignite (Excluding Biomass)		4732.78			
F)	QUALITY (Stage - I, II, III, & IV)					
21	GCV of Domestic Coal of the opening coal stock as per bill of Coal Company	(kCal/Kg)	4148	0	0	0
22	GCV of Domestic Coal supplied as per bill of Coal Company	(kCal/Kg)	4137	0	0	0
23	GCV of Imported Coal of the opening stock as per bill Coal Company	(kCal/Kg)				
24	GCV of Imported Coal supplied as per bill Coal Company	(kCal/Kg)				
25	Weighted average GCV of coal as billed (Including Biomass)	(kCal/Kg)	4138			
25a	Weighted average GCV of coal as billed (Excluding Biomass)	(kCal/Kg)	4138			
26	GCV of Domestic Coal of the opening stock as received at Station	(kCal/Kg)	3390	0	0	0
27	GCV of Domestic Coal / Bio Mass supplied as received at Station	(kCal/Kg)	3595	0	0	0
28	GCV of Imported Coal of opening stock as received at Station	(kCal/Kg)				
29	GCV of Imported Coal supplied as received at Station	(kCal/Kg)				
30	Weighted average GCV of coal/ Lignite as received (Including Biomass)	(kCal/Kg)	3571			
30a	Weighted average GCV of coal/ Lignite as received (Excluding Biomass)	(kCal/Kg)	3571			

Rakesh Kumar

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As per our report of even date
For M/s Goyal Parul and Co.
Chartered Accountants
FRN: 016750N

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FORM- 15 : Details of Fuel for Computation of Energy Charges

Name of the Petitioner: NTPC Limited
Name of the Generating Station RSTPS Stage-III

S. No.	Month	Unit	Dec-23			
			Domestic Coal (Other Sources)	Domestic Coal (NTPC Mines)	Imported	Biomass
			M1149100657	M1149100620	M1149100666	M1149102501N
A)	OPENING QUANTITY					
1	Opening Quantity of Coal	(MT)	260336.86	0.00	0.00	0.00
2	Value of Stock	(Rs.)	1232116303.66	0.00	0.00	0.00
B)	QUANTITY					
3	Quantity of Coal supplied by Coal Company	(MT)	1025306.91	0.00	0.00	0.00
4	Adjustment (+/-) in quantity supplied made by Coal Company	(MT)	-693.18	0.00	0.00	0.00
5	Coal supplied by Coal Company (3+4)	(MT)	1024613.73	0.00	0.00	0.00
6	Normative Transit & Handling Losses (For Coal based Projects)	(MT)	3445.77	0.00	0.00	0.00
7	Net Coal Supplied (5-6)	(MT)	1021167.97	0.00	0.00	0.00
C)	PRICE					
8	Amount charged by the Coal Company	(Rs.)	4,802,545,898.00	0.00	0.00	0.00
9	Adjustment (+/-) in amount charged made by Coal Company	(Rs.)	0.00	0.00	0.00	0.00
10	Handling, Sampling and such other similar charges	(Rs.)	34108140.64	0.00	0.00	0.00
11	Total amount Charged (8+9+10)	(Rs.)	4836654038.64	0.00	0.00	0.00
D)	TRANSPORATION					
12	Transportation charges by rail/ship/road transport	(Rs.)	38,635,244.00	0.00	0.00	0.00
13	Adjustment (+/-) in amount charged made by Railways/Transport Company	(Rs.)	0.00	0.00	0.00	0.00
14	Demurrage Charges, if any	(Rs.)	0.00	0.00	0.00	0.00
15	Cost of diesel in transporting Coal through MGR system, if applicable	(Rs.)	0.00	0.00	0.00	0.00
16	Total Transportation Charges (12+13+14+15)	(Rs.)	38635244.00	0.00	0.00	0.00
17	Total amount Charged for Coal supplied including Transportation (11+16)	(Rs.)	4875289282.64	0.00	0.00	0.00
E)	TOTAL COST					
18	Landed cost of Coal (2+17)/(1+7)	Rs./MT	4765.808	0.000	0.000	0.000
19	Blending Ratio (Domestic/Imported)		100.00%	0.00%	0.00%	0.000%
20	Weighted average cost of Coal/ Lignite (Including Biomass)	Rs./MT	4765.81			
20a	Weighted average cost of Coal/ Lignite (Excluding Biomass)		4765.81			
F)	QUALITY (Stage - I, II, III, & IV)					
21	GCV of Domestic Coal of the opening coal stock as per bill of Coal Company	(kCal/Kg)	4138	0	0	0
22	GCV of Domestic Coal supplied as per bill of Coal Company	(kCal/Kg)	4143	0	0	0
23	GCV of Imported Coal of the opening stock as per bill Coal Company	(kCal/Kg)				
24	GCV of Imported Coal supplied as per bill Coal Company	(kCal/Kg)				
25	Weighted average GCV of coal as billed (Including Biomass)	(kCal/Kg)	4142			
25a	Weighted average GCV of coal as billed (Excluding Biomass)	(kCal/Kg)	4142			
26	GCV of Domestic Coal of the opening stock as received at Station	(kCal/Kg)	3571	0	0	0
27	GCV of Domestic Coal / Bio Mass supplied as received at Station	(kCal/Kg)	3635	0	0	0
28	GCV of Imported Coal of opening stock as received at Station	(kCal/Kg)				
29	GCV of Imported Coal supplied as received at Station	(kCal/Kg)				
30	Weighted average GCV of coal/ Lignite as received (Including Biomass)	(kCal/Kg)	3622			
30a	Weighted average GCV of coal/ Lignite as received (Excluding Biomass)	(kCal/Kg)	3622			

Rakesh Kumar
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Date: 2024.05.24 16:12:02 +05'30'

As per our report of even date
For M/s Goyal Parul and Co.
Chartered Accountants
FRN: 016750N

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Date: 2024.08.23 13:25:03 +05'30'

FORM- 15 : Details of Fuel for Computation of Energy Charges

Name of the Petitioner: NTPC Limited
Name of the Generating Station RSTPS Stage-I&II

S. No.	Month	Unit	Dec-23			
			Domestic Coal (Other Sources)	Domestic Coal (NTPC Mines)	Imported	Biomass
			M1149100657	M1149100620	M1149100666	M1149102501N
A)	OPENING QUANTITY					
1	Opening Quantity of Coal	(MT)	260336.86	0.00	0.00	0.00
2	Value of Stock	(Rs.)	1232116303.66	0.00	0.00	0.00
B)	QUANTITY					
3	Quantity of Coal supplied by Coal Company	(MT)	1025306.91	0.00	0.00	0.00
4	Adjustment (+/-) in quantity supplied made by Coal Company	(MT)	-693.18	0.00	0.00	0.00
5	Coal supplied by Coal Company (3+4)	(MT)	1024613.73	0.00	0.00	0.00
6	Normative Transit & Handling Losses (For Coal based Projects)	(MT)	3445.77	0.00	0.00	0.00
7	Net Coal Supplied (5-6)	(MT)	1021167.97	0.00	0.00	0.00
C)	PRICE					
8	Amount charged by the Coal Company	(Rs.)	4,802,545,898.00	0.00	0.00	0.00
9	Adjustment (+/-) in amount charged made by Coal Company	(Rs.)	0.00	0.00	0.00	0.00
10	Handling, Sampling and such other similar charges	(Rs.)	34106140.64	0.00	0.00	0.00
11	Total amount Charged (8+9+10)	(Rs.)	4836654038.64	0.00	0.00	0.00
D)	TRANSPORATION					
12	Transportation charges by rail/ship/road transport	(Rs.)	38,635,244.00	0.00	0.00	0.00
13	Adjustment (+/-) in amount charged made by Railways/Transport Company	(Rs.)	0.00	0.00	0.00	0.00
14	Demurrage Charges, if any	(Rs.)	0.00	0.00	0.00	0.00
15	Cost of diesel in transporting Coal through MGR system, if applicable	(Rs.)	0.00	0.00	0.00	0.00
16	Total Transportation Charges (12+13+14+15)	(Rs.)	38635244.00	0.00	0.00	0.00
17	Total amount Charged for Coal supplied including Transportation (11+16)	(Rs.)	4875289282.64	0.00	0.00	0.00
E)	TOTAL COST					
18	Landed cost of Coal (2+17)/(1+7)	Rs./MT	4765.81	0.000	0.000	0.000
19	Blending Ratio (Domestic/Imported)		100.00%	0.00%	0.00%	0.000%
20	Weighted average cost of Coal/ Lignite (Including Biomass)	Rs./MT	4765.81			
20a	Weighted average cost of Coal/ Lignite (Excluding Biomass)		4765.81			
F)	QUALITY (Stage - I, II, III, & IV)					
21	GCV of Domestic Coal of the opening coal stock as per bill of Coal Company	(kCal/Kg)	4138	0	0	0
22	GCV of Domestic Coal supplied as per bill of Coal Company	(kCal/Kg)	4143	0	0	0
23	GCV of Imported Coal of the opening stock as per bill Coal Company	(kCal/Kg)				
24	GCV of Imported Coal supplied as per bill Coal Company	(kCal/Kg)				
25	Weighted average GCV of coal as billed (Including Biomass)	(kCal/Kg)	4142			
25a	Weighted average GCV of coal as billed (Excluding Biomass)	(kCal/Kg)	4142			
26	GCV of Domestic Coal of the opening stock as received at Station	(kCal/Kg)	3571	0	0	0
27	GCV of Domestic Coal / Bio Mass supplied as received at Station	(kCal/Kg)	3635	0	0	0
28	GCV of Imported Coal of opening stock as received at Station	(kCal/Kg)				
29	GCV of Imported Coal supplied as received at Station	(kCal/Kg)				
30	Weighted average GCV of coal/ Lignite as received (Including Biomass)	(kCal/Kg)	3622			
30a	Weighted average GCV of coal/ Lignite as received (Excluding Biomass)	(kCal/Kg)	3622			

Rakesh Kumar

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As per our report of even date
For M/s Goyal Parul and Co.
Chartered Accountants
FRN: 016750N

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Date: 2024.08.23 13:25:45 +05'30'

Part 1
Form - 15 version: 0

Details of Sourcewise fuel for computation of Energy Charges

Company	NTPC Limited
Name of the generating Station	Ramagundam Super Thermal Power-STAGE 01 AND 02
Month	January-2024

SL	Particulars	Unit	COAL-DOMESTIC
A)	**OPENING QUANTITY**		
1	Opening Stock of coal	MT	341390.83
2	Value of Stock	Rs.	1627002764.18
B)	**QUANTITY**		
3	Quantity of Coal /Lignite supplied by Coal / Lignite Company	MT	1039378.17
3.01	- Qty Received (Pit Head)	MT	873775.50
3.02	- Qty Received (Non Pit Head)	MT	165602.67
4	Adjustment (+/-) in quantity supplied made by Coal / Lignite Company	MT	0.00
5	Coal supplied by Coal/Lignite Company (3+4)	MT	1039378.17
6	Normative transit & Handling losses (for Coal /Lignite based projects)	MT	3072.37
6.01	- Normative Loss (Pit Head)	MT	1747.55
6.02	- Normative Loss (Non Pit Head)	MT	1324.82
7	Net Coal / Lignite supplied (5 - 6)	MT	1036305.80
C)	**PRICE**		
8	Amount charged by the Coal / Lignite Company	Rs.	5032895084.00
9	Adjustment (+ / -) in amount charged by coal / Lignite Company	Rs.	0.00
10	Handling,Sampling and such other Similar charges	Rs.	22449858.04
11	Total Amount charged (8 +9+10)	Rs.	5055344942.04
D)	**TRANSPORTATION**		
12	Transportation charges by Rail / Ship / Road Transport	Rs.	24969193.00
13	Adjustment (+/-) in amount charged by railways / transport company	Rs.	0.00
14	Demurrage charges, if any	Rs.	77941.00-
15	Cost of diesel in transporting Coal through MGR system, if applicable	Rs.	0.00
16	Total transportation charges (12+/- 13 - 14 + 15)	Rs.	25047134.00
17	Total amount charged for Coal / Lignite supplied including transportation (11 + 16)	Rs.	5080392076.04
E)	**TOTAL COST**		
18	Landed Cost of Coal/Lignite (2+17) / (1+7)	Rs./MT	4868.56
19	Blending Ratio (Domestic/Imported)	%	100.00
20	Weighted average cost of Coal /Lignite (Including biomass)	Rs./MT	4868.56
20.10	Weighted average cost of Coal /Lignite (Excluding biomass)	Rs./MT	4868.56
F)	**QUALITY**		
21	GCV of Domestic coal of the opening coal stock as per bill of coal company	kCal/Kg	3589
22	GCV of Domestic coal supplied as per bill of coal company	kCal/Kg	3750
23	GCV of Imported coal of the opening coal stock as per bill of coal company	kCal/Kg	0
24	GCV of Imported coal supplied as per bill of coal company	kCal/Kg	0
25	Weighted average GCV of Coal /Lignite as billed (Including biomass)	kCal/Kg	3710
25.10	Weighted average GCV of Coal /Lignite as billed (Excluding biomass)	kCal/Kg	3710
26	GCV of Domestic coal of the Opening stock as received at station	kCal/Kg	3622
27	GCV of Domestic coal/biomass supplied as received at station	kCal/Kg	3721
28	GCV of Imported coal of the Opening stock as received at station	kCal/Kg	0
29	GCV of Imported coal supplied as received at station	kCal/Kg	0
30	Weighted average GCV of coal/ Lignite as Received (Including biomass)	kCal/Kg	3697
30.10	Weighted average GCV of coal/ Lignite as Received (Excluding biomass)	kCal/Kg	3697

Submitted On :17.04.2024

Rakesh Kumar
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As per our report of even date
For M/s Goyal Parul and Co.
Chartered Accountants
FRN: 016750N

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Date: 2024.08.23 13:26:30 +05'30'

Part 1
Form - 15 version: 0

Details of Sourcewise fuel for computation of Energy Charges

Company	NTPC Limited
Name of the generating Station	Ramagundam Super Thermal Power-STAGE 03
Month	January-2024

SL	Particulars	Unit	COAL-DOMESTIC
A)	**OPENING QUANTITY**		
1	Opening Stock of coal	MT	341390.83
2	Value of Stock	Rs.	1627002764.18
B)	**QUANTITY**		
3	Quantity of Coal /Lignite supplied by Coal / Lignite Company	MT	1039378.17
3.01	- Qty Received (Pit Head)	MT	873775.50
3.02	- Qty Received (Non Pit Head)	MT	165602.67
4	Adjustment (+/-) in quantity supplied made by Coal / Lignite Company	MT	0.00
5	Coal supplied by Coal/Lignite Company (3+4)	MT	1039378.17
6	Normative transit & Handling losses (for Coal /Lignite based projects)	MT	3072.37
6.01	- Normative Loss (Pit Head)	MT	1747.55
6.02	- Normative Loss (Non Pit Head)	MT	1324.82
7	Net Coal / Lignite supplied (5 - 6)	MT	1036305.80
C)	**PRICE**		
8	Amount charged by the Coal / Lignite Company	Rs.	5032895084.00
9	Adjustment (+ / -) in amount charged by coal / Lignite Company	Rs.	0.00
10	Handling,Sampling and such other Similar charges	Rs.	22449858.04
11	Total Amount charged (8 +9+10)	Rs.	5055344942.04
D)	**TRANSPORTATION**		
12	Transportation charges by Rail / Ship / Road Transport	Rs.	24969193.00
13	Adjustment (+/-) in amount charged by railways / transport company	Rs.	0.00
14	Demurrage charges, if any	Rs.	77941.00-
15	Cost of diesel in transporting Coal through MGR system, if applicable	Rs.	0.00
16	Total transportation charges (12+/- 13 - 14 + 15)	Rs.	25047134.00
17	Total amount charged for Coal / Lignite supplied including transportation (11 + 16)	Rs.	5080392076.04
E)	**TOTAL COST**		
18	Landed Cost of Coal/Lignite (2+17) / (1+7)	Rs./MT	4868.56
19	Blending Ratio (Domestic/Imported)	%	100.00
20	Weighted average cost of Coal /Lignite (Including biomass)	Rs./MT	4868.56
20.10	Weighted average cost of Coal /Lignite (Excluding biomass)	Rs./MT	4868.56
F)	**QUALITY**		
21	GCV of Domestic coal of the opening coal stock as per bill of coal company	kCal/Kg	3589
22	GCV of Domestic coal supplied as per bill of coal company	kCal/Kg	3750
23	GCV of Imported coal of the opening coal stock as per bill of coal company	kCal/Kg	0
24	GCV of Imported coal supplied as per bill of coal company	kCal/Kg	0
25	Weighted average GCV of Coal /Lignite as billed (Including biomass)	kCal/Kg	3710
25.10	Weighted average GCV of Coal /Lignite as billed (Excluding biomass)	kCal/Kg	3710
26	GCV of Domestic coal of the Opening stock as received at station	kCal/Kg	3622
27	GCV of Domestic coal/biomass supplied as received at station	kCal/Kg	3721
28	GCV of Imported coal of the Opening stock as received at station	kCal/Kg	0
29	GCV of Imported coal supplied as received at station	kCal/Kg	0
30	Weighted average GCV of coal/ Lignite as Received (Including biomass)	kCal/Kg	3697
30.10	Weighted average GCV of coal/ Lignite as Received (Excluding biomass)	kCal/Kg	3697

Submitted On :17.04.2024

Rakesh Kumar
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Chartered Accountants
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Date: 2024.08.23 13:27:11 +05'30'

Part 1
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Details of Sourcewise fuel for computation of Energy Charges

Company	NTPC Limited
Name of the generating Station	Ramagundam Super Thermal Power-STAGE 01 AND 02
Month	February-2024

SL	Particulars	Unit	COAL-DOMESTIC
A)	**OPENING QUANTITY**		
1	Opening Stock of coal	MT	350654.63
2	Value of Stock	Rs.	1707182321.83
B)	**QUANTITY**		
3	Quantity of Coal /Lignite supplied by Coal / Lignite Company	MT	1032251.25
3.01	- Qty Received (Pit Head)	MT	864447.69
3.02	- Qty Received (Non Pit Head)	MT	167803.56
4	Adjustment (+/-) in quantity supplied made by Coal / Lignite Company	MT	0.00
5	Coal supplied by Coal/Lignite Company (3+4)	MT	1032251.25
6	Normative transit & Handling losses (for Coal /Lignite based projects)	MT	3071.32
6.01	- Normative Loss (Pit Head)	MT	1728.90
6.02	- Normative Loss (Non Pit Head)	MT	1342.42
7	Net Coal / Lignite supplied (5 - 6)	MT	1029179.93
C)	**PRICE**		
8	Amount charged by the Coal / Lignite Company	Rs.	5561371483.55
9	Adjustment (+ / -) in amount charged by coal / Lignite Company	Rs.	0.00
10	Handling,Sampling and such other Similar charges	Rs.	25256275.12
11	Total Amount charged (8 +9+10)	Rs.	5586627758.67
D)	**TRANSPORTATION**		
12	Transportation charges by Rail / Ship / Road Transport	Rs.	44487212.60
13	Adjustment (+/-) in amount charged by railways / transport company	Rs.	0.00
14	Demurrage charges, if any	Rs.	449655.00
15	Cost of diesel in transporting Coal through MGR system, if applicable	Rs.	0.00
16	Total transportation charges (12+/- 13 + 14 + 15)	Rs.	44037557.60
17	Total amount charged for Coal / Lignite supplied including transportation (11 + 16)	Rs.	5630665316.27
E)	**TOTAL COST**		
18	Landed Cost of Coal/Lignite (2+17) / (1+7)	Rs./MT	5317.92
19	Blending Ratio (Domestic/Imported)	%	100.00
20	Weighted average cost of Coal /Lignite (Including biomass)	Rs./MT	5317.92
20.10	Weighted average cost of Coal /Lignite (Excluding biomass)	Rs./MT	5317.92
F)	**QUALITY**		
21	GCV of Domestic coal of the opening coal stock as per bill of coal company	kCal/Kg	3710
22	GCV of Domestic coal supplied as per bill of coal company	kCal/Kg	3707
23	GCV of Imported coal of the opening coal stock as per bill of coal company	kCal/Kg	0
24	GCV of Imported coal supplied as per bill of coal company	kCal/Kg	0
25	Weighted average GCV of Coal /Lignite as billed (Including biomass)	kCal/Kg	3708
25.10	Weighted average GCV of Coal /Lignite as billed (Excluding biomass)	kCal/Kg	3708
26	GCV of Domestic coal of the Opening stock as received at station	kCal/Kg	3697
27	GCV of Domestic coal/biomass supplied as received at station	kCal/Kg	3707
28	GCV of Imported coal of the Opening stock as received at station	kCal/Kg	0
29	GCV of Imported coal supplied as received at station	kCal/Kg	0
30	Weighted average GCV of coal/ Lignite as Received (Including biomass)	kCal/Kg	3704
30.10	Weighted average GCV of coal/ Lignite as Received (Excluding biomass)	kCal/Kg	3704

Submitted On :17.04.2024

Rakesh Kumar
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Date: 2024.05.24 16:13:45 +05'30'

As per our report of even date
For M/s Goyal Parul and Co.
Chartered Accountants
FRN: 016750N

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Date: 2024.08.23 13:28:08 +05'30'

Part 1
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Details of Sourcewise fuel for computation of Energy Charges

Company	NTPC Limited
Name of the generating Station	Ramagundam Super Thermal Power-STAGE 03
Month	February-2024

SL	Particulars	Unit	COAL-DOMESTIC
A)	**OPENING QUANTITY**		
1	Opening Stock of coal	MT	350654.63
2	Value of Stock	Rs.	1707182321.83
B)	**QUANTITY**		
3	Quantity of Coal /Lignite supplied by Coal / Lignite Company	MT	1032251.25
3.01	- Qty Received (Pit Head)	MT	864447.69
3.02	- Qty Received (Non Pit Head)	MT	167803.56
4	Adjustment (+/-) in quantity supplied made by Coal / Lignite Company	MT	0.00
5	Coal supplied by Coal/Lignite Company (3+4)	MT	1032251.25
6	Normative transit & Handling losses (for Coal /Lignite based projects)	MT	3071.32
6.01	- Normative Loss (Pit Head)	MT	1728.90
6.02	- Normative Loss (Non Pit Head)	MT	1342.42
7	Net Coal / Lignite supplied (5 - 6)	MT	1029179.93
C)	**PRICE**		
8	Amount charged by the Coal / Lignite Company	Rs.	5561371483.55
9	Adjustment (+ / -) in amount charged by coal / Lignite Company	Rs.	0.00
10	Handling,Sampling and such other Similar charges	Rs.	25256275.12
11	Total Amount charged (8 +9+10)	Rs.	5586627758.67
D)	**TRANSPORTATION**		
12	Transportation charges by Rail / Ship / Road Transport	Rs.	44487212.60
13	Adjustment (+/-) in amount charged by railways / transport company	Rs.	0.00
14	Demurrage charges, if any	Rs.	449655.00
15	Cost of diesel in transporting Coal through MGR system, if applicable	Rs.	0.00
16	Total transportation charges (12+/- 13 - 14 + 15)	Rs.	44037557.60
17	Total amount charged for Coal / Lignite supplied including transportation (11 + 16)	Rs.	5630665316.27
E)	**TOTAL COST**		
18	Landed Cost of Coal/Lignite (2+17) / (1+7)	Rs./MT	5317.92
19	Blending Ratio (Domestic/Imported)	%	100.00
20	Weighted average cost of Coal /Lignite (Including biomass)	Rs./MT	5317.92
20.10	Weighted average cost of Coal /Lignite (Excluding biomass)	Rs./MT	5317.92
F)	**QUALITY**		
21	GCV of Domestic coal of the opening coal stock as per bill of coal company	kCal/Kg	3710
22	GCV of Domestic coal supplied as per bill of coal company	kCal/Kg	3707
23	GCV of Imported coal of the opening coal stock as per bill of coal company	kCal/Kg	0
24	GCV of Imported coal supplied as per bill of coal company	kCal/Kg	0
25	Weighted average GCV of Coal /Lignite as billed (Including biomass)	kCal/Kg	3708
25.10	Weighted average GCV of Coal /Lignite as billed (Excluding biomass)	kCal/Kg	3708
26	GCV of Domestic coal of the Opening stock as received at station	kCal/Kg	3697
27	GCV of Domestic coal/biomass supplied as received at station	kCal/Kg	3707
28	GCV of Imported coal of the Opening stock as received at station	kCal/Kg	0
29	GCV of Imported coal supplied as received at station	kCal/Kg	0
30	Weighted average GCV of coal/ Lignite as Received (Including biomass)	kCal/Kg	3704
30.10	Weighted average GCV of coal/ Lignite as Received (Excluding biomass)	kCal/Kg	3704

Submitted On :17.04.2024

Rakesh Kumar

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Date: 2024.05.24 16:14:07 +05'30'

As per our report of even date
For M/s Goyal Parul and Co.
Chartered Accountants
FRN: 016750N

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Date: 2024.08.23 13:29:20 +05'30'

FORM- 15 : Details of Secondary Fuel for Computation of Energy Charges

Name of the Petitioner: NTPC Limited
Name of the Generating Station RSTPS Stage-I&II

S. No.	Month	Unit	Oct-23	
			HFO	HSD
			M1149201055	M1149200858N
A)	**OPENING QUANTITY**			
1	Opening Stock of Oil	(KL)	5586.30	243.09
2	Value of Opening Stock	(Rs.)	346163358.72	24942866.20
B)	**QUANTITY**			
3	Quantity of Secondary Fuel/ supplied by Secondary Fuel/ Company	(KL)	0.00	80.00
4	Adjustment (-) in quantity supplied by Secondary Fuel/ Company	(KL)	0.00	0.00
5	Secondary Fuel Supplied by Secondary Fuel / Company (3-4)	(KL)	0.00	80.00
6	Normative transit & Handling losses (for Secondary Fuel / based projects)	(KL)	0.00	0.00
7	Net Secondary Fuel / supplied (5-6)	(KL)	0.00	80.00
C)	**PRICE**			
8	Amount Charged by the Secondary Fuel/ Company	(Rs.)	0.00	8042102.00
9	Adjustment (+/-) in amount charged by Secondary Fuel/ Company	(Rs.)	0.00	0.00
10	Handling, Sampling & Such other similar charges	(Rs.)	0.00	0.00
11	Total Amount Charged (8+9+10)	(Rs.)	0.00	8042102.00
D)	**TRANSPORATION**			
12	Transportation charges by Rail/Ship/Road Transport	(Rs.)	0.00	0.00
13	Adjustment (+/-) in amount charged by Rail/Ship/Road Company	(Rs.)	0.00	0.00
14	Demurrage charges , if any	(Rs.)	0.00	0.00
15	Cost of diesel in transporting Secondary Fuel through MGR system if applicable	(Rs.)	0.00	0.00
16	Total Transportation Charges (12-13+14+15)	(Rs.)	0.00	0.00
17	Total amount charged for Secondary Fuel/ supplied including transportation (11+16)	(Rs.)	0.00	8042102.00
18	Landed cost of Secondary Fuel (2+17) / (1+7)	Rs./KL	61966.493	102093.430
19	Blending Ratio		1.00	0.00
20	Weighted Average Cost of Secondary Fuel/ For the month	Rs./KL	61966.49	
E)	**QUALITY**			
21	GCV of Domestic Secondary Fuel of the opening Secondary Fuel stock as per bill of Secondary Fuel Company,	(kcal/L)	NA	NA
22	GCV of Domestic Secondary Fuel supplied as per bill of Secondary Fuel Company,	(kcal/L)	NA	NA
23	GCV of Imported Secondary Fuel of the opening stock as per bill Secondary Fuel Company,	(kcal/L)		
24	GCV of Imported Secondary Fuel supplied as per bill Secondary Fuel Company	(kcal/L)		
25	Weighted average GCV of Secondary Fuel/ as Billed	(kcal/L)	NA	NA
26	GCV of Domestic Secondary Fuel of the opening stock as received at Station	(kcal/L)	0	0
27	GCV of Domestic Secondary Fuel supplied as received at Station	(kcal/L)	0	0
28	GCV of Imported Secondary Fuel of opening stock as received at Station	(kcal/L)		
29	GCV of Imported Secondary Fuel of supplied as received at Station	(kcal/L)		
30	Weighted average GCV of Secondary Fuel/ as Received	(kcal/L)	9066	

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As per our report of even date
For M/s Goyal Parul and Co.
Chartered Accountants
FRN: 016750N

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Date: 2024.08.23 13:30:11 +05'30'

FORM- 15 : Details of Secondary Fuel for Computation of Energy Charges

Name of the Petitioner: NTPC Limited
Name of the Generating Station RSTPS Stage-III

S. No.	Month	Unit	Oct-23
			HFO
			M1149201055
A)	**OPENING QUANTITY**		
1	Opening Stock of Oil	(KL)	5586.30
2	Value of Opening Stock	(Rs.)	346163358.72
B)	**QUANTITY**		
3	Quantity of Secondary Fuel/ supplied by Secondary Fuel/ Company	(KL)	0.00
4	Adjustment (-) in quantity supplied by Secondary Fuel/ Company	(KL)	0.00
5	Secondary Fuel Supplied by Secondary Fuel / Company (3-4)	(KL)	0.00
6	Normative transit & Handling losses (for Secondary Fuel / based projects)	(KL)	0.00
7	Net Secondary Fuel / supplied (5-6)	(KL)	0.00
C)	**PRICE**		
8	Amount Charged by the Secondary Fuel/ Company	(Rs.)	0.00
9	Adjustment (+/-) in amount charged by Secondary Fuel/ Company	(Rs.)	0.00
10	Handling, Sampling & Such other similar charges	(Rs.)	0.00
11	Total Amount Charged (8+9+10)	(Rs.)	0.00
D)	**TRANSPORATION**		
12	Transportation charges by Rail/Ship/Road Transport	(Rs.)	0.00
13	Adjustment (+/-) in amount charged by Rail/Ship/Road Company	(Rs.)	0.00
14	Demurrage charges , if any	(Rs.)	0.00
15	Cost of diesel in transporting Secondary Fuel through MGR system if applicable	(Rs.)	0.00
16	Total Transportation Charges (12-13+14+15)	(Rs.)	0.00
17	Total amount charged for Secondary Fuel/ supplied including transportation (11+16)	(Rs.)	0.00
18	Landed cost of Secondary Fuel (2+17) / (1+7)	Rs./KL	61966.49
19	Blending Ratio		1.00
20	Weighted Average Cost of Secondary Fuel/ For the month	Rs./KL	61966.49
E)	**QUALITY**		
21	GCV of Domestic Secondary Fuel of the opening Secondary Fuel stock as per bill of Secondary Fuel Company,	(kcal/L)	NA
22	GCV of Domestic Secondary Fuel supplied as per bill of Secondary Fuel Company,	(kcal/L)	NA
23	GCV of Imported Secondary Fuel of the opening stock as per bill Secondary Fuel Company,	(kcal/L)	
24	GCV of Imported Secondary Fuel supplied as per bill Secondary Fuel Company	(kcal/L)	
25	Weighted average GCV of Secondary Fuel/ as Billed	(kcal/L)	NA
26	GCV of Domestic Secondary Fuel of the opening stock as received at Station	(kcal/L)	0
27	GCV of Domestic Secondary Fuel supplied as received at Station	(kcal/L)	0
28	GCV of Imported Secondary Fuel of opening stock as received at Station	(kcal/L)	
29	GCV of Imported Secondary Fuel of supplied as received at Station	(kcal/L)	
30	Weighted average GCV of Secondary Fuel/ as Received	(kcal/L)	9800

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FORM- 15 : Details of Secondary Fuel for Computation of Energy Charges

Name of the Petitioner: NTPC Limited
Name of the Generating Station RSTPS Stage-I&II

S. No.	Month	Unit	Nov-23	
			HFO	HSD
			M1149201055	M1149200858N
A)	**OPENING QUANTITY**			
1	Opening Stock of Oil	(KL)	5414.60	323.09
2	Value of Opening Stock	(Rs.)	335523773.81	32984968.20
B)	**QUANTITY**			
3	Quantity of Secondary Fuel/ supplied by Secondary Fuel/ Company	(KL)	0.00	86.00
4	Adjustment (-) in quantity supplied by Secondary Fuel/ Company	(KL)	0.00	0.00
5	Secondary Fuel Supplied by Secondary Fuel / Company (3-4)	(KL)	0.00	86.00
6	Normative transit & Handling losses (for Secondary Fuel / based projects)	(KL)	0.00	0.00
7	Net Secondary Fuel / supplied (5-6)	(KL)	0.00	86.00
C)	**PRICE**			
8	Amount Charged by the Secondary Fuel/ Company	(Rs.)	0.00	6756754.72
9	Adjustment (+/-) in amount charged by Secondary Fuel/ Company	(Rs.)	0.00	0.00
10	Handling, Sampling & Such other similar charges	(Rs.)	0.00	0.00
11	Total Amount Charged (8+9+10)	(Rs.)	0.00	6756754.72
D)	**TRANSPORATION**			
12	Transportation charges by Rail/Ship/Road Transport	(Rs.)	0.00	0.00
13	Adjustment (+/-) in amount charged by Rail/Ship/Road Company	(Rs.)	0.00	0.00
14	Demurrage charges , if any	(Rs.)	0.00	0.00
15	Cost of diesel in transporting Secondary Fuel through MGR system if applicable	(Rs.)	0.00	0.00
16	Total Transportation Charges (12-13+14+15)	(Rs.)	0.00	0.00
17	Total amount charged for Secondary Fuel/ supplied including transportation (11+16)	(Rs.)	0.00	6756754.72
18	Landed cost of Secondary Fuel (2+17) / (1+7)	Rs./KL	61966.493	97147.576
19	Blending Ratio		0.91	0.09
20	Weighted Average Cost of Secondary Fuel/ For the month	Rs./KL	65099.14	
E)	**QUALITY**			
21	GCV of Domestic Secondary Fuel of the opening Secondary Fuel stock as per bill of Secondary Fuel Company,	(kcal/L)	NA	NA
22	GCV of Domestic Secondary Fuel supplied as per bill of Secondary Fuel Company,	(kcal/L)	NA	NA
23	GCV of Imported Secondary Fuel of the opening stock as per bill Secondary Fuel Company,	(kcal/L)		
24	GCV of Imported Secondary Fuel supplied as per bill Secondary Fuel Company	(kcal/L)		
25	Weighted average GCV of Secondary Fuel/ as Billed	(kcal/L)	NA	NA
26	GCV of Domestic Secondary Fuel of the opening stock as received at Station	(kcal/L)	0	0
27	GCV of Domestic Secondary Fuel supplied as received at Station	(kcal/L)	0	0
28	GCV of Imported Secondary Fuel of opening stock as received at Station	(kcal/L)		
29	GCV of Imported Secondary Fuel of supplied as received at Station	(kcal/L)		
30	Weighted average GCV of Secondary Fuel/ as Received	(kcal/L)	9739	

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As per our report of even date
For M/s Goyal Parul and Co.
Chartered Accountants
FRN: 016750N

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Date: 2024.08.23 13:31:57 +05'30'

FORM- 15 : Details of Secondary Fuel for Computation of Energy Charges

Name of the Petitioner: NTPC Limited
Name of the Generating Station RSTPS Stage-III

S. No.	Month	Unit	Nov-23
			HFO
			M1149201055
A)	**OPENING QUANTITY**		
1	Opening Stock of Oil	(KL)	5414.60
2	Value of Opening Stock	(Rs.)	335523773.81
B)	**QUANTITY**		
3	Quantity of Secondary Fuel/ supplied by Secondary Fuel/ Company	(KL)	0.00
4	Adjustment (-) in quantity supplied by Secondary Fuel/ Company	(KL)	0.00
5	Secondary Fuel Supplied by Secondary Fuel / Company (3-4)	(KL)	0.00
6	Normative transit & Handling losses (for Secondary Fuel / based projects)	(KL)	0.00
7	Net Secondary Fuel / supplied (5-6)	(KL)	0.00
C)	**PRICE**		
8	Amount Charged by the Secondary Fuel/ Company	(Rs.)	0.00
9	Adjustment (+/-) in amount charged by Secondary Fuel/ Company	(Rs.)	0.00
10	Handling, Sampling & Such other similar charges	(Rs.)	0.00
11	Total Amount Charged (8+9+10)	(Rs.)	0.00
D)	**TRANSPORATION**		
12	Transportation charges by Rail/Ship/Road Transport	(Rs.)	0.00
13	Adjustment (+/-) in amount charged by Rail/Ship/Road Company	(Rs.)	0.00
14	Demurrage charges , if any	(Rs.)	0.00
15	Cost of diesel in transporting Secondary Fuel through MGR system if applicable	(Rs.)	0.00
16	Total Transportation Charges (12-13+14+15)	(Rs.)	0.00
17	Total amount charged for Secondary Fuel/ supplied including transportation (11+16)	(Rs.)	0.00
18	Landed cost of Secondary Fuel (2+17) / (1+7)	Rs./KL	61966.49
19	Blending Ratio		1.00
20	Weighted Average Cost of Secondary Fuel/ For the month	Rs./KL	61966.49
E)	**QUALITY**		
21	GCV of Domestic Secondary Fuel of the opening Secondary Fuel stock as per bill of Secondary Fuel Company,	(kcal/L)	NA
22	GCV of Domestic Secondary Fuel supplied as per bill of Secondary Fuel Company,	(kcal/L)	NA
23	GCV of Imported Secondary Fuel of the opening stock as per bill Secondary Fuel Company,	(kcal/L)	
24	GCV of Imported Secondary Fuel supplied as per bill Secondary Fuel Company	(kcal/L)	
25	Weighted average GCV of Secondary Fuel/ as Billed	(kcal/L)	NA
26	GCV of Domestic Secondary Fuel of the opening stock as received at Station	(kcal/L)	0
27	GCV of Domestic Secondary Fuel supplied as received at Station	(kcal/L)	0
28	GCV of Imported Secondary Fuel of opening stock as received at Station	(kcal/L)	
29	GCV of Imported Secondary Fuel of supplied as received at Station	(kcal/L)	
30	Weighted average GCV of Secondary Fuel/ as Received	(kcal/L)	9800

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FORM- 15 : Details of Secondary Fuel for Computation of Energy Charges

Name of the Petitioner: NTPC Limited
Name of the Generating Station RSTPS Stage-I&II

S. No.	Month	Unit	Dec-23	
			HFO	HSD
			M1149201055	M1149200858N
A)	**OPENING QUANTITY**			
1	Opening Stock of Oil	(KL)	4679.30	339.97
2	Value of Opening Stock	(Rs.)	289959811.40	33027173.92
B)	**QUANTITY**			
3	Quantity of Secondary Fuel/ supplied by Secondary Fuel/ Company	(KL)	0.00	0.00
4	Adjustment (-) in quantity supplied by Secondary Fuel/ Company	(KL)	0.00	0.00
5	Secondary Fuel Supplied by Secondary Fuel / Company (3-4)	(KL)	0.00	0.00
6	Normative transit & Handling losses (for Secondary Fuel / based projects)	(KL)	0.00	0.00
7	Net Secondary Fuel / supplied (5-6)	(KL)	0.00	0.00
C)	**PRICE**			
8	Amount Charged by the Secondary Fuel/ Company	(Rs.)	0.00	0.00
9	Adjustment (+/-) in amount charged by Secondary Fuel/ Company	(Rs.)	0.00	0.00
10	Handling, Sampling & Such other similar charges	(Rs.)	0.00	0.00
11	Total Amount Charged (8+9+10)	(Rs.)	0.00	0.00
D)	**TRANSPORATION**			
12	Transportation charges by Rail/Ship/Road Transport	(Rs.)	0.00	0.00
13	Adjustment (+/-) in amount charged by Rail/Ship/Road Company	(Rs.)	0.00	0.00
14	Demurrage charges , if any	(Rs.)	0.00	0.00
15	Cost of diesel in transporting Secondary Fuel through MGR system if applicable	(Rs.)	0.00	0.00
16	Total Transportation Charges (12-13+14+15)	(Rs.)	0.00	0.00
17	Total amount charged for Secondary Fuel/ supplied including transportation (11+16)	(Rs.)	0.00	0.00
18	Landed cost of Secondary Fuel (2+17) / (1+7)	Rs./KL	61966.493	97147.576
19	Blending Ratio		1.00	0.00
20	Weighted Average Cost of Secondary Fuel/ For the month	Rs./KL	61966.49	
E)	**QUALITY**			
21	GCV of Domestic Secondary Fuel of the opening Secondary Fuel stock as per bill of Secondary Fuel Company,	(kcal/L)	NA	NA
22	GCV of Domestic Secondary Fuel supplied as per bill of Secondary Fuel Company,	(kcal/L)	NA	NA
23	GCV of Imported Secondary Fuel of the opening stock as per bill Secondary Fuel Company,	(kcal/L)		
24	GCV of Imported Secondary Fuel supplied as per bill Secondary Fuel Company	(kcal/L)		
25	Weighted average GCV of Secondary Fuel/ as Billed	(kcal/L)	NA	NA
26	GCV of Domestic Secondary Fuel of the opening stock as received at Station	(kcal/L)	0	0
27	GCV of Domestic Secondary Fuel supplied as received at Station	(kcal/L)	0	0
28	GCV of Imported Secondary Fuel of opening stock as received at Station	(kcal/L)		
29	GCV of Imported Secondary Fuel of supplied as received at Station	(kcal/L)		
30	Weighted average GCV of Secondary Fuel/ as Received	(kcal/L)	9800	

Rakesh Kumar

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Date: 2024.05.24 16:17:35 +05'30'

As per our report of even date
For M/s Goyal Parul and Co.
Chartered Accountants
FRN: 016750N

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Date: 2024.08.23 13:33:42 +05'30'

FORM- 15 : Details of Secondary Fuel for Computation of Energy Charges

Name of the Petitioner: NTPC Limited
Name of the Generating Station RSTPS Stage-III

S. No.	Month	Unit	Dec-23
			HFO
			M1149201055
A)	**OPENING QUANTITY**		
1	Opening Stock of Oil	(KL)	4679.30
2	Value of Opening Stock	(Rs.)	289959811.40
B)	**QUANTITY**		
3	Quantity of Secondary Fuel/ supplied by Secondary Fuel/ Company	(KL)	0.00
4	Adjustment (-) in quantity supplied by Secondary Fuel/ Company	(KL)	0.00
5	Secondary Fuel Supplied by Secondary Fuel / Company (3-4)	(KL)	0.00
6	Normative transit & Handling losses (for Secondary Fuel / based projects)	(KL)	0.00
7	Net Secondary Fuel / supplied (5-6)	(KL)	0.00
C)	**PRICE**		
8	Amount Charged by the Secondary Fuel/ Company	(Rs.)	0.00
9	Adjustment (+/-) in amount charged by Secondary Fuel/ Company	(Rs.)	0.00
10	Handling, Sampling & Such other similar charges	(Rs.)	0.00
11	Total Amount Charged (8+9+10)	(Rs.)	0.00
D)	**TRANSPORATION**		
12	Transportation charges by Rail/Ship/Road Transport	(Rs.)	0.00
13	Adjustment (+/-) in amount charged by Rail/Ship/Road Company	(Rs.)	0.00
14	Demurrage charges , if any	(Rs.)	0.00
15	Cost of diesel in transporting Secondary Fuel through MGR system if applicable	(Rs.)	0.00
16	Total Transportation Charges (12-13+14+15)	(Rs.)	0.00
17	Total amount charged for Secondary Fuel/ supplied including transportation (11+16)	(Rs.)	0.00
18	Landed cost of Secondary Fuel (2+17) / (1+7)	Rs./KL	61966.49
19	Blending Ratio		1.00
20	Weighted Average Cost of Secondary Fuel/ For the month	Rs./KL	61966.49
E)	**QUALITY**		
21	GCV of Domestic Secondary Fuel of the opening Secondary Fuel stock as per bill of Secondary Fuel Company,	(kcal/L)	NA
22	GCV of Domestic Secondary Fuel supplied as per bill of Secondary Fuel Company,	(kcal/L)	NA
23	GCV of Imported Secondary Fuel of the opening stock as per bill Secondary Fuel Company,	(kcal/L)	
24	GCV of Imported Secondary Fuel supplied as per bill Secondary Fuel Company	(kcal/L)	
25	Weighted average GCV of Secondary Fuel/ as Billed	(kcal/L)	NA
26	GCV of Domestic Secondary Fuel of the opening stock as received at Station	(kcal/L)	0
27	GCV of Domestic Secondary Fuel supplied as received at Station	(kcal/L)	0
28	GCV of Imported Secondary Fuel of opening stock as received at Station	(kcal/L)	
29	GCV of Imported Secondary Fuel of supplied as received at Station	(kcal/L)	
30	Weighted average GCV of Secondary Fuel/ as Received	(kcal/L)	9800

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FORM- 15 : Details of Secondary Fuel for Computation of Energy Charges

Name of the Petitioner: NTPC Limited
Name of the Generating Station RSTPS Stage-I&II

S. No.	Month	Unit	Jan-24	
			HFO	HSD
			M1149201055	M1149200858N
A)	**OPENING QUANTITY**			
1	Opening Stock of Oil	(KL)	4308.37	339.97
2	Value of Opening Stock	(Rs.)	266974270.26	33027173.92
B)	**QUANTITY**			
3	Quantity of Secondary Fuel/ supplied by Secondary Fuel/ Company	(KL)	0.00	0.00
4	Adjustment (-) in quantity supplied by Secondary Fuel/ Company	(KL)	0.00	0.00
5	Secondary Fuel Supplied by Secondary Fuel / Company (3-4)	(KL)	0.00	0.00
6	Normative transit & Handling losses (for Secondary Fuel / based projects)	(KL)	0.00	0.00
7	Net Secondary Fuel / supplied (5-6)	(KL)	0.00	0.00
C)	**PRICE**			
8	Amount Charged by the Secondary Fuel/ Company	(Rs.)	0.00	0.00
9	Adjustment (+/-) in amount charged by Secondary Fuel/ Company	(Rs.)	0.00	0.00
10	Handling, Sampling & Such other similar charges	(Rs.)	0.00	0.00
11	Total Amount Charged (8+9+10)	(Rs.)	0.00	0.00
D)	**TRANSPORATION**			
12	Transportation charges by Rail/Ship/Road Transport	(Rs.)	0.00	0.00
13	Adjustment (+/-) in amount charged by Rail/Ship/Road Company	(Rs.)	0.00	0.00
14	Demurrage charges , if any	(Rs.)	0.00	0.00
15	Cost of diesel in transporting Secondary Fuel through MGR system if applicable	(Rs.)	0.00	0.00
16	Total Transportation Charges (12-13+14+15)	(Rs.)	0.00	0.00
17	Total amount charged for Secondary Fuel/ supplied including transportation (11+16)	(Rs.)	0.00	0.00
18	Landed cost of Secondary Fuel (2+17) / (1+7)	Rs./KL	61966.493	97147.576
19	Blending Ratio		0.99	0.01
20	Weighted Average Cost of Secondary Fuel/ For the month	Rs./KL	62439.91	
E)	**QUALITY**			
21	GCV of Domestic Secondary Fuel of the opening Secondary Fuel stock as per bill of Secondary Fuel Company,	(kcal/L)	NA	NA
22	GCV of Domestic Secondary Fuel supplied as per bill of Secondary Fuel Company,	(kcal/L)	NA	NA
23	GCV of Imported Secondary Fuel of the opening stock as per bill Secondary Fuel Company,	(kcal/L)		
24	GCV of Imported Secondary Fuel supplied as per bill Secondary Fuel Company	(kcal/L)		
25	Weighted average GCV of Secondary Fuel/ as Billed	(kcal/L)	NA	NA
26	GCV of Domestic Secondary Fuel of the opening stock as received at Station	(kcal/L)	0	0
27	GCV of Domestic Secondary Fuel supplied as received at Station	(kcal/L)	0	0
28	GCV of Imported Secondary Fuel of opening stock as received at Station	(kcal/L)		
29	GCV of Imported Secondary Fuel of supplied as received at Station	(kcal/L)		
30	Weighted average GCV of Secondary Fuel/ as Received	(kcal/L)	9878	

Rakesh Kumar
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Date: 2024.05.24 16:19:27 +05'30'

As per our report of even date
For M/s Goyal Parul and Co.
Chartered Accountants
FRN: 016750N

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Date: 2024.08.23 13:35:13 +05'30'

FORM- 15 : Details of Secondary Fuel for Computation of Energy Charges

Name of the Petitioner: NTPC Limited
Name of the Generating Station RSTPS Stage-III

S. No.	Month	Unit	Jan-24
			HFO
			M1149201055
A)	**OPENING QUANTITY**		
1	Opening Stock of Oil	(KL)	4308.37
2	Value of Opening Stock	(Rs.)	266974270.26
B)	**QUANTITY**		
3	Quantity of Secondary Fuel/ supplied by Secondary Fuel/ Company	(KL)	0.00
4	Adjustment (-) in quantity supplied by Secondary Fuel/ Company	(KL)	0.00
5	Secondary Fuel Supplied by Secondary Fuel / Company (3-4)	(KL)	0.00
6	Normative transit & Handling losses (for Secondary Fuel / based projects)	(KL)	0.00
7	Net Secondary Fuel / supplied (5-6)	(KL)	0.00
C)	**PRICE**		
8	Amount Charged by the Secondary Fuel/ Company	(Rs.)	0.00
9	Adjustment (+/-) in amount charged by Secondary Fuel/ Company	(Rs.)	0.00
10	Handling, Sampling & Such other similar charges	(Rs.)	0.00
11	Total Amount Charged (8+9+10)	(Rs.)	0.00
D)	**TRANSPORATION**		
12	Transportation charges by Rail/Ship/Road Transport	(Rs.)	0.00
13	Adjustment (+/-) in amount charged by Rail/Ship/Road Company	(Rs.)	0.00
14	Demurrage charges , if any	(Rs.)	0.00
15	Cost of diesel in transporting Secondary Fuel through MGR system if applicable	(Rs.)	0.00
16	Total Transportation Charges (12-13+14+15)	(Rs.)	0.00
17	Total amount charged for Secondary Fuel/ supplied including transportation (11+16)	(Rs.)	0.00
18	Landed cost of Secondary Fuel (2+17) / (1+7)	Rs./KL	61966.49
19	Blending Ratio		1.00
20	Weighted Average Cost of Secondary Fuel/ For the month	Rs./KL	61966.49
E)	**QUALITY**		
21	GCV of Domestic Secondary Fuel of the opening Secondary Fuel stock as per bill of Secondary Fuel Company,	(kcal/L)	NA
22	GCV of Domestic Secondary Fuel supplied as per bill of Secondary Fuel Company,	(kcal/L)	NA
23	GCV of Imported Secondary Fuel of the opening stock as per bill Secondary Fuel Company,	(kcal/L)	
24	GCV of Imported Secondary Fuel supplied as per bill Secondary Fuel Company	(kcal/L)	
25	Weighted average GCV of Secondary Fuel/ as Billed	(kcal/L)	NA
26	GCV of Domestic Secondary Fuel of the opening stock as received at Station	(kcal/L)	0
27	GCV of Domestic Secondary Fuel supplied as received at Station	(kcal/L)	0
28	GCV of Imported Secondary Fuel of opening stock as received at Station	(kcal/L)	
29	GCV of Imported Secondary Fuel of supplied as received at Station	(kcal/L)	
30	Weighted average GCV of Secondary Fuel/ as Received	(kcal/L)	9800

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FORM- 15 : Details of Secondary Fuel for Computation of Energy Charges

Name of the Petitioner: NTPC Limited
Name of the Generating Station RSTPS Stage-I&II

S. No.	Month	Unit	Feb-24	
			HFO	HSD
			M1149201055	M1149200858N
A)	**OPENING QUANTITY**			
1	Opening Stock of Oil	(KL)	3850.80	335.57
2	Value of Opening Stock	(Rs.)	238620261.99	32599336.00
B)	**QUANTITY**			
3	Quantity of Secondary Fuel/ supplied by Secondary Fuel/ Company	(KL)	2937.26	183.00
4	Adjustment (-) in quantity supplied by Secondary Fuel/ Company	(KL)	0.00	0.00
5	Secondary Fuel Supplied by Secondary Fuel / Company (3-4)	(KL)	2937.26	183.00
6	Normative transit & Handling losses (for Secondary Fuel / based projects)	(KL)	0.00	0.00
7	Net Secondary Fuel / supplied (5-6)	(KL)	2937.26	183.00
C)	**PRICE**			
8	Amount Charged by the Secondary Fuel/ Company	(Rs.)	167002326.00	21114612.89
9	Adjustment (+/-) in amount charged by Secondary Fuel/ Company	(Rs.)	0.00	0.00
10	Handling, Sampling & Such other similar charges	(Rs.)	0.00	0.00
11	Total Amount Charged (8+9+10)	(Rs.)	167002326.00	21114612.89
D)	**TRANSPORATION**			
12	Transportation charges by Rail/Ship/Road Transport	(Rs.)	0.00	0.00
13	Adjustment (+/-) in amount charged by Rail/Ship/Road Company	(Rs.)	0.00	0.00
14	Demurrage charges , if any	(Rs.)	0.00	0.00
15	Cost of diesel in transporting Secondary Fuel through MGR system if applicable	(Rs.)	0.00	0.00
16	Total Transportation Charges (12-13+14+15)	(Rs.)	0.00	0.00
17	Total amount charged for Secondary Fuel/ supplied including transportation (11+16)	(Rs.)	167002326.00	21114612.89
18	Landed cost of Secondary Fuel (2+17) / (1+7)	Rs./KL	59755.348	103581.882
19	Blending Ratio		0.73	0.27
20	Weighted Average Cost of Secondary Fuel/ For the month	Rs./KL	71535.10	
E)	**QUALITY**			
21	GCV of Domestic Secondary Fuel of the opening Secondary Fuel stock as per bill of Secondary Fuel Company,	(kcal/L)	NA	NA
22	GCV of Domestic Secondary Fuel supplied as per bill of Secondary Fuel Company,	(kcal/L)	NA	NA
23	GCV of Imported Secondary Fuel of the opening stock as per bill Secondary Fuel Company,	(kcal/L)		
24	GCV of Imported Secondary Fuel supplied as per bill Secondary Fuel Company	(kcal/L)		
25	Weighted average GCV of Secondary Fuel/ as Billed	(kcal/L)	NA	NA
26	GCV of Domestic Secondary Fuel of the opening stock as received at Station	(kcal/L)	0	0
27	GCV of Domestic Secondary Fuel supplied as received at Station	(kcal/L)	0	0
28	GCV of Imported Secondary Fuel of opening stock as received at Station	(kcal/L)		
29	GCV of Imported Secondary Fuel of supplied as received at Station	(kcal/L)		
30	Weighted average GCV of Secondary Fuel/ as Received	(kcal/L)	9609	

Rakesh Kumar

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As per our report of even date
For M/s Goyal Parul and Co.
Chartered Accountants
FRN: 016750N

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Date: 2024.08.23 13:36:56 +05'30'

FORM- 15 : Details of Secondary Fuel for Computation of Energy Charges

Name of the Petitioner: NTPC Limited
Name of the Generating Station RSTPS Stage-III

S. No.	Month	Unit	Feb-24
			HFO
			M1149201055
A)	**OPENING QUANTITY**		
1	Opening Stock of Oil	(KL)	3850.80
2	Value of Opening Stock	(Rs.)	238620261.99
B)	**QUANTITY**		
3	Quantity of Secondary Fuel/ supplied by Secondary Fuel/ Company	(KL)	2937.26
4	Adjustment (-) in quantity supplied by Secondary Fuel/ Company	(KL)	0.00
5	Secondary Fuel Supplied by Secondary Fuel / Company (3-4)	(KL)	2937.26
6	Normative transit & Handling losses (for Secondary Fuel / based projects)	(KL)	0.00
7	Net Secondary Fuel / supplied (5-6)	(KL)	2937.26
C)	**PRICE**		
8	Amount Charged by the Secondary Fuel/ Company	(Rs.)	167002326.00
9	Adjustment (+/-) in amount charged by Secondary Fuel/ Company	(Rs.)	0.00
10	Handling, Sampling & Such other similar charges	(Rs.)	0.00
11	Total Amount Charged (8+9+10)	(Rs.)	167002326.00
D)	**TRANSPORATION**		
12	Transportation charges by Rail/Ship/Road Transport	(Rs.)	0.00
13	Adjustment (+/-) in amount charged by Rail/Ship/Road Company	(Rs.)	0.00
14	Demurrage charges , if any	(Rs.)	0.00
15	Cost of diesel in transporting Secondary Fuel through MGR system if applicable	(Rs.)	0.00
16	Total Transportation Charges (12-13+14+15)	(Rs.)	0.00
17	Total amount charged for Secondary Fuel/ supplied including transportation (11+16)	(Rs.)	167002326.00
18	Landed cost of Secondary Fuel (2+17) / (1+7)	Rs./KL	59755.35
19	Blending Ratio		1.00
20	Weighted Average Cost of Secondary Fuel/ For the month	Rs./KL	59755.35
E)	**QUALITY**		
21	GCV of Domestic Secondary Fuel of the opening Secondary Fuel stock as per bill of Secondary Fuel Company,	(kcal/L)	NA
22	GCV of Domestic Secondary Fuel supplied as per bill of Secondary Fuel Company,	(kcal/L)	NA
23	GCV of Imported Secondary Fuel of the opening stock as per bill Secondary Fuel Company,	(kcal/L)	
24	GCV of Imported Secondary Fuel supplied as per bill Secondary Fuel Company	(kcal/L)	
25	Weighted average GCV of Secondary Fuel/ as Billed	(kcal/L)	NA
26	GCV of Domestic Secondary Fuel of the opening stock as received at Station	(kcal/L)	0
27	GCV of Domestic Secondary Fuel supplied as received at Station	(kcal/L)	0
28	GCV of Imported Secondary Fuel of opening stock as received at Station	(kcal/L)	
29	GCV of Imported Secondary Fuel of supplied as received at Station	(kcal/L)	
30	Weighted average GCV of Secondary Fuel/ as Received	(kcal/L)	9868

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FORM- 15 : Details of Secondary Fuel for Computation of Energy Charges

Name of the Petitioner: NTPC Limited
Name of the Generating Station RSTPS Stage-I&II

S. No.	Month	Unit	Mar-24	
			HFO	HSD
			M1149201055	M1149200858N
A)	**OPENING QUANTITY**			
1	Opening Stock of Oil	(KL)	6611.28	453.59
2	Value of Opening Stock	(Rs.)	395059157.10	46983198.21
B)	**QUANTITY**			
3	Quantity of Secondary Fuel/ supplied by Secondary Fuel/ Company	(KL)	0.00	314.00
4	Adjustment (-) in quantity supplied by Secondary Fuel/ Company	(KL)	0.00	0.00
5	Secondary Fuel Supplied by Secondary Fuel / Company (3-4)	(KL)	0.00	314.00
6	Normative transit & Handling losses (for Secondary Fuel / based projects)	(KL)	0.00	0.00
7	Net Secondary Fuel / supplied (5-6)	(KL)	0.00	314.00
C)	**PRICE**			
8	Amount Charged by the Secondary Fuel/ Company	(Rs.)	0.00	28618483.11
9	Adjustment (+/-) in amount charged by Secondary Fuel/ Company	(Rs.)	0.00	0.00
10	Handling, Sampling & Such other similar charges	(Rs.)	0.00	0.00
11	Total Amount Charged (8+9+10)	(Rs.)	0.00	28618483.11
D)	**TRANSPORATION**			
12	Transportation charges by Rail/Ship/Road Transport	(Rs.)	0.00	0.00
13	Adjustment (+/-) in amount charged by Rail/Ship/Road Company	(Rs.)	0.00	0.00
14	Demurrage charges , if any	(Rs.)	0.00	0.00
15	Cost of diesel in transporting Secondary Fuel through MGR system if applicable	(Rs.)	0.00	0.00
16	Total Transportation Charges (12-13+14+15)	(Rs.)	0.00	0.00
17	Total amount charged for Secondary Fuel/ supplied including transportation (11+16)	(Rs.)	0.00	28618483.11
18	Landed cost of Secondary Fuel (2+17) / (1+7)	Rs./KL	59755.348	98492.898
19	Blending Ratio		0.57	0.43
20	Weighted Average Cost of Secondary Fuel/ For the month	Rs./KL	76555.46	
E)	**QUALITY**			
21	GCV of Domestic Secondary Fuel of the opening Secondary Fuel stock as per bill of Secondary Fuel Company,	(kcal/L)	NA	NA
22	GCV of Domestic Secondary Fuel supplied as per bill of Secondary Fuel Company,	(kcal/L)	NA	NA
23	GCV of Imported Secondary Fuel of the opening stock as per bill Secondary Fuel Company,	(kcal/L)		
24	GCV of Imported Secondary Fuel supplied as per bill Secondary Fuel Company	(kcal/L)		
25	Weighted average GCV of Secondary Fuel/ as Billed	(kcal/L)	NA	NA
26	GCV of Domestic Secondary Fuel of the opening stock as received at Station	(kcal/L)	0	0
27	GCV of Domestic Secondary Fuel supplied as received at Station	(kcal/L)	0	0
28	GCV of Imported Secondary Fuel of opening stock as received at Station	(kcal/L)		
29	GCV of Imported Secondary Fuel of supplied as received at Station	(kcal/L)		
30	Weighted average GCV of Secondary Fuel/ as Received	(kcal/L)	9471	

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Date: 2024.05.24 16:21:23 +05'30'

As per our report of even date
For M/s Goyal Parul and Co.
Chartered Accountants
FRN: 016750N

Digitally signed by SANCHIT AGRAWAL
Date: 2024.08.23 13:53:04 +05'30'

FORM- 15 : Details of Secondary Fuel for Computation of Energy Charges

Name of the Petitioner: NTPC Limited
Name of the Generating Station RSTPS Stage-III

S. No.	Month	Unit	Mar-24
			HFO
			M1149201055
A)	**OPENING QUANTITY**		
1	Opening Stock of Oil	(KL)	6611.28
2	Value of Opening Stock	(Rs.)	395059157.10
B)	**QUANTITY**		
3	Quantity of Secondary Fuel/ supplied by Secondary Fuel/ Company	(KL)	0.00
4	Adjustment (-) in quantity supplied by Secondary Fuel/ Company	(KL)	0.00
5	Secondary Fuel Supplied by Secondary Fuel / Company (3-4)	(KL)	0.00
6	Normative transit & Handling losses (for Secondary Fuel / based projects)	(KL)	0.00
7	Net Secondary Fuel / supplied (5-6)	(KL)	0.00
C)	**PRICE**		
8	Amount Charged by the Secondary Fuel/ Company	(Rs.)	0.00
9	Adjustment (+/-) in amount charged by Secondary Fuel/ Company	(Rs.)	0.00
10	Handling, Sampling & Such other similar charges	(Rs.)	0.00
11	Total Amount Charged (8+9+10)	(Rs.)	0.00
D)	**TRANSPORATION**		
12	Transportation charges by Rail/Ship/Road Transport	(Rs.)	0.00
13	Adjustment (+/-) in amount charged by Rail/Ship/Road Company	(Rs.)	0.00
14	Demurrage charges , if any	(Rs.)	0.00
15	Cost of diesel in transporting Secondary Fuel through MGR system if applicable	(Rs.)	0.00
16	Total Transportation Charges (12-13+14+15)	(Rs.)	0.00
17	Total amount charged for Secondary Fuel/ supplied including transportation (11+16)	(Rs.)	0.00
18	Landed cost of Secondary Fuel (2+17) / (1+7)	Rs./KL	59755.35
19	Blending Ratio		1.00
20	Weighted Average Cost of Secondary Fuel/ For the month	Rs./KL	59755.35
E)	**QUALITY**		
21	GCV of Domestic Secondary Fuel of the opening Secondary Fuel stock as per bill of Secondary Fuel Company,	(kcal/L)	NA
22	GCV of Domestic Secondary Fuel supplied as per bill of Secondary Fuel Company,	(kcal/L)	NA
23	GCV of Imported Secondary Fuel of the opening stock as per bill Secondary Fuel Company,	(kcal/L)	
24	GCV of Imported Secondary Fuel supplied as per bill Secondary Fuel Company	(kcal/L)	
25	Weighted average GCV of Secondary Fuel/ as Billed	(kcal/L)	NA
26	GCV of Domestic Secondary Fuel of the opening stock as received at Station	(kcal/L)	0
27	GCV of Domestic Secondary Fuel supplied as received at Station	(kcal/L)	0
28	GCV of Imported Secondary Fuel of opening stock as received at Station	(kcal/L)	
29	GCV of Imported Secondary Fuel of supplied as received at Station	(kcal/L)	
30	Weighted average GCV of Secondary Fuel/ as Received	(kcal/L)	9868

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Part 1
Form - 15 version: 2

Details of Sourcewise fuel for computation of Energy Charges

Company	NTPC Limited
Name of the generating Station	Ramagundam Super Thermal Power-STAGE 01 AND 02
Month	March-2024

SL	Particulars	Unit	COAL-DOMESTIC
A)	**OPENING QUANTITY**		
1	Opening Stock of coal	MT	517379.56
2	Value of Stock	Rs.	2751382669.41
B)	**QUANTITY**		
3	Quantity of Coal /Lignite supplied by Coal / Lignite Company	MT	1017110.02
3.01	- Qty Received (Pit Head)	MT	911314.20
3.02	- Qty Received (Non Pit Head)	MT	105795.82
4	Adjustment (+/-) in quantity supplied made by Coal / Lignite Company	MT	661.77-
5	Coal supplied by Coal/Lignite Company (3+4)	MT	1016448.25
6	Normative transit & Handling losses (for Coal /Lignite based projects)	MT	2667.67
6.01	- Normative Loss (Pit Head)	MT	1821.30
6.02	- Normative Loss (Non Pit Head)	MT	846.37
7	Net Coal / Lignite supplied (5 - 6)	MT	1013780.58
C)	**PRICE**		
8	Amount charged by the Coal / Lignite Company	Rs.	5502969442.45
9	Adjustment (+ / -) in amount charged by coal / Lignite Company	Rs.	0.00
10	Handling,Sampling and such other Similar charges	Rs.	98788569.18
11	Total Amount charged (8 +9+10)	Rs.	5601758011.63
D)	**TRANSPORTATION**		
12	Transportation charges by Rail / Ship / Road Transport	Rs.	13921158.40
13	Adjustment (+/-) in amount charged by railways / transport company	Rs.	0.00
14	Demurrage charges, if any	Rs.	276516.00
15	Cost of diesel in transporting Coal through MGR system, if applicable	Rs.	15367260.69
16	Total transportation charges (12+/- 13 - 14 + 15)	Rs.	29011903.09
17	Total amount charged for Coal / Lignite supplied including transportation (11 + 16)	Rs.	5630769914.72
E)	**TOTAL COST**		
18	Landed Cost of Coal/Lignite (2+17) / (1+7)	Rs./MT	5474.38
19	Blending Ratio (Domestic/Imported)	%	100.00
20	Weighted average cost of Coal /Lignite (Including biomass)	Rs./MT	5474.38
20.10	Weighted average cost of Coal /Lignite (Excluding biomass)	Rs./MT	5474.38
F)	**QUALITY**		
21	GCV of Domestic coal of the opening coal stock as per bill of coal company	kCal/Kg	4203
22	GCV of Domestic coal supplied as per bill of coal company	kCal/Kg	4219
23	GCV of Imported coal of the opening coal stock as per bill of coal company	kCal/Kg	0
24	GCV of Imported coal supplied as per bill of coal company	kCal/Kg	0
25	Weighted average GCV of Coal /Lignite as billed (Including biomass)	kCal/Kg	4214
25.10	Weighted average GCV of Coal /Lignite as billed (Excluding biomass)	kCal/Kg	4214
26	GCV of Domestic coal of the Opening stock as received at station	kCal/Kg	3704
27	GCV of Domestic coal/biomass supplied as received at station	kCal/Kg	3538
28	GCV of Imported coal of the Opening stock as received at station	kCal/Kg	0
29	GCV of Imported coal supplied as received at station	kCal/Kg	0
30	Weighted average GCV of coal/ Lignite as Received (Including biomass)	kCal/Kg	3594
30.10	Weighted average GCV of coal/ Lignite as Received (Excluding biomass)	kCal/Kg	3594

Submitted On :27.05.2024

Rakesh Kumar
Digitally signed by Rakesh Kumar
Date: 2024.08.19 15:50:37 +05'30'

As per our report of even date
For M/s Goyal Parul and Co.
Chartered Accountants
FRN: 016750N

Digitally signed by SANCHIT AGRAWAL
Date: 2024.08.23 12:54:33 +05'30'

Details of Sourcewise fuel for computation of Energy Charges

Part 1
Form - 15 version: 2

Company	NTPC Limited
Name of the generating Station	Ramagundam Super Thermal Power-STAGE 03
Month	March-2024

SL	Particulars	Unit	COAL-DOMESTIC
A)	**OPENING QUANTITY**		
1	Opening Stock of coal	MT	517379.56
2	Value of Stock	Rs.	2751382669.41
B)	**QUANTITY**		
3	Quantity of Coal /Lignite supplied by Coal / Lignite Company	MT	1017110.02
3.01	- Qty Received (Pit Head)	MT	911314.20
3.02	- Qty Received (Non Pit Head)	MT	105795.82
4	Adjustment (+/-) in quantity supplied made by Coal / Lignite Company	MT	661.77-
5	Coal supplied by Coal/Lignite Company (3+4)	MT	1016448.25
6	Normative transit & Handling losses (for Coal /Lignite based projects)	MT	2667.67
6.01	- Normative Loss (Pit Head)	MT	1821.30
6.02	- Normative Loss (Non Pit Head)	MT	846.37
7	Net Coal / Lignite supplied (5 - 6)	MT	1013780.58
C)	**PRICE**		
8	Amount charged by the Coal / Lignite Company	Rs.	5502969442.45
9	Adjustment (+ / -) in amount charged by coal / Lignite Company	Rs.	0.00
10	Handling,Sampling and such other Similar charges	Rs.	98788569.18
11	Total Amount charged (8 +9+10)	Rs.	5601758011.63
D)	**TRANSPORTATION**		
12	Transportation charges by Rail / Ship / Road Transport	Rs.	13921158.40
13	Adjustment (+/-) in amount charged by railways / transport company	Rs.	0.00
14	Demurrage charges, if any	Rs.	276516.00
15	Cost of diesel in transporting Coal through MGR system, if applicable	Rs.	15367260.69
16	Total transportation charges (12+/- 13 - 14 + 15)	Rs.	29011903.09
17	Total amount charged for Coal / Lignite supplied including transportation (11 + 16)	Rs.	5630769914.72
E)	**TOTAL COST**		
18	Landed Cost of Coal/Lignite (2+17) / (1+7)	Rs./MT	5474.38
19	Blending Ratio (Domestic/Imported)	%	100.00
20	Weighted average cost of Coal /Lignite (Including biomass)	Rs./MT	5474.38
20.10	Weighted average cost of Coal /Lignite (Excluding biomass)	Rs./MT	5474.38
F)	**QUALITY**		
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24	GCV of Imported coal supplied as per bill of coal company	kCal/Kg	0
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25.10	Weighted average GCV of Coal /Lignite as billed (Excluding biomass)	kCal/Kg	4214
26	GCV of Domestic coal of the Opening stock as received at station	kCal/Kg	3704
27	GCV of Domestic coal/biomass supplied as received at station	kCal/Kg	3538
28	GCV of Imported coal of the Opening stock as received at station	kCal/Kg	0
29	GCV of Imported coal supplied as received at station	kCal/Kg	0
30	Weighted average GCV of coal/ Lignite as Received (Including biomass)	kCal/Kg	3594
30.10	Weighted average GCV of coal/ Lignite as Received (Excluding biomass)	kCal/Kg	3594

Submitted On :27.05.2024

Rakesh Kumar

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Date: 2024.08.19 15:52:00 +05'30'

As per our report of even date
For M/s Goyal Parul and Co.
Chartered Accountants
FRN: 016750N

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Date: 2024.08.23 12:55:17 +05'30'

Form-I

Particulars	
1. Name of the Petitioner/Applicant	NTPC Limited
2. Address of the Petitioner/Applicant	SCOPE Complex, Core -7, Institutional Area, Lodhi Road, New Delhi – 110 003
3. Subject Matter	Payment of Annual Tariff Filing fees for NTPC Stations for FY 2024-25 as per CERC (Payment of Fees) (Third Amendment) Regulations, 2022
4. Petition No., if any	As per Enclosed Sheet (Annexure A)
5. Details of generation assets a) Generating station/units b) Capacity in MW c) Date of commercial operation d) Period for which fee paid e) Amount of fee paid f) Surcharge, if any	As per Enclosed Sheet (Annexure A)
6. Details of transmission assets a) Transmission line and sub-stations b) Date of commercial operation c) Period for which fee paid d) Amount of fee paid e) Surcharge, if any	N.A.
7. Fee paid for Adoption of tariff for a) Generation asset b) Transmission asset	N.A.
8. Application fee for licence a) Trading licence b) Transmission licence c) Period for which paid d) Amount of fee paid	N.A
9. Fees paid for Miscellaneous Application	N.A.
10. Fees paid for Interlocutory Application	N.A.

11. Fee paid for Regulatory Compliance petition	N.A.
12. Fee paid for Review Application	N.A.
13. License fee for inter-State Trading a) Category b) Period c) Amount of fee paid d) Surcharge, if any	 N.A
14. License fee for inter-State Transmission a) Expected/Actual transmission charge b) Period c) Amount of fee calculated as a percentage of transmission charge. d) Surcharge, if any	N.A.
15. Annual Registration Charge for Power Exchange a) Period b) Amount of turnover c) Fee paid d) Surcharge, if any	N.A.
16. Details of fee remitted ~~a)~~ Transaction id/ ~~Reference No./ Payment id~~ b) Date of remittance c) Amount remitted	 37c568eba62158b7b321 24.04.2024 Rs. 256553700.00/-
Note: While Sl. Nos. 1 to 3 and 16 are compulsory, the rest may be filled up as applicable	
Signature of the authorized signatory with date Dt. 27.04.2024	

हर्षित शर्मा / HARSHIT SHARMA
वरिष्ठ प्रबन्धक (वाणिज्यिक)
Sr. Manager (Commercial)
एन टी पी सी लिमिटेड / NTPC Limited
A-9A, Sector-24, NOIDA-201301 (U.P.)

CERC Filing Fees For FY 2024-25 For NTPC Stations

Annexure - A

S.No	Region	Station Name	Capacity as on 01.04.2024 (in MW)	Filling fees for 2024-25 (in Rs.) Rounded off t nearest hundred as per CERC Regulation
1	NR	Feroze Gandhi Unchahar Thermal Power Station-I	420	18,48,00(
2	NR	Feroze Gandhi Unchahar Thermal Power Station-II	420	18,48,00(
3	NR	Feroze Gandhi Unchahar Thermal Power Station-III	210	9,24,00(
4	NR	Feroze Gandhi Unchahar Thermal Power Station-IV	500	22,00,00(
5	NR	National capital Power Project Dadri Stage-I	840	36,96,00(
6	NR	National capital Power Project Dadri Stage-II	980	43,12,00(
7	NR	Tanda Thermal Power Station	440	19,36,00(
8	NR	Tanda Super Thermal Power Station Stage-II	1320	58,08,00(
9	NR	Singrauli Super thermal Power Station	2000	88,00,00(
10	NR	Rihand Super Thermal Power Station-I	1000	44,00,000
11	NR	Rihand Super Thermal Power Station-II	1000	44,00,000
12	NR	Rihand Super Thermal Power Station-III	1000	44,00,000
13	NR	Dadri Gas Power Station	829.78	36,51,000
14	NR	Anta Gas Power Station	419.33	18,45,100
15	NR	Auraiya Gas Power Station	663.36	29,18,800
16	NR	Faridabad Gas Power Station	431.586	18,99,000
17	ER	Farakka Super Thermal Power Station, Stage-I&II	1600	70,40,000
18	ER	Farakka Super Thermal Power Station, Stage-III	500	22,00,000
19	ER	Kahalgaon Super Thermal Power Station Stage-I	840	36,96,000
20	ER	Kahalgaon Super Thermal Power Station Stage-II	1500	66,00,000
21	ER	Bongaigaon TPS	750	33,00,000
22	ER	Barh Super Tharmal Power Station-I	1320	58,08,000
23	ER	Barh Super Tharmal Power Station-II	1320	58,08,000
24	ER	Barauni TPS Stage-II	500	22,00,000
25	ER	Talcher Super Thermal Power Station Stage-I	1000	44,00,000
26	ER	Darlipalli Super Thermal Power Station-I	1600	70,40,000
27	ER	North Karanpura Super Thermal Power Station	1320	58,08,000
28	ER	Nabinagar Super Thermal Power Station	1980	87,12,000
29	ER	Muzaffarpur Thermal Power Station Stage-II	390	17,16,000
30	WR	Korba Super Thermal Power Station, Stage-I&II	2100	92,40,000
31	WR	Korba Super Thermal Power Station, Stage-III	500	22,00,000
32	WR	Jhanor Gandhar Gas Power Project	657.39	28,92,500
33	WR	Kawas Gas Power Project	656.2	28,87,300
34	WR	Sipat Super Thermal Power Project Stage-I	1980	87,12,000

CERC Filing Fees For FY 2024-25 For NTPC Stations

Annexure -

S.No	Region	Station Name	Capacity as on 01.04.2024 (in MW)	Filling fees for 2024-25 (in Rs.) Rounded off nearest hundred as per CERC Regulatio
35	WR	Sipat Super Thermal Power Project Stage-II	1000	44,00,00
36	WR	Vindhyachal Super Thermal Power Station-I	1260	55,44,00
37	WR	Vindhyachal Super Thermal Power Station-II	1000	44,00,00
38	WR	Vindhyanchal Super Thermal Power Station-III	1000	44,00,00
39	WR	Vindhyanchal Super Thermal Power Station-IV	1000	44,00,00
40	WR	Vindhyanchal Super Thermal Power Station-V	500	22,00,00
41	WR	Mouda Super Thermal Power Station I	1000	44,00,00
42	WR	Mouda Super Thermal Power Station II	1320	58,08,00
43	WR	Solapur Super Thermal Power Station	1320	58,08,00
44	WR	Gadarwara Super Thermal Power Station	1600	70,40,00
45	WR	Lara Super Thermal Power Station	1600	70,40,00
46	WR	Khargone Super Thermal Power Project	1320	58,08,00
47	SR	Talcher Super Thermal Power Station Stage-II	2000	88,00,00
48	SR	Ramagundam STPS Stage-I&II	2100	92,40,00
49	SR	Ramagundam STPSStage- III	500	22,00,00
50	SR	Simadhri Thermal Power Station, Stage-I	1000	44,00,00
51	SR	Simadhri Thermal Power Station Stage-II	1000	44,00,00
52	SR	Kudgi Super Thermal Power station	2400	1,05,60,00
53	SR	Telangana Super Thermal Power Station	1600	70,40,00
54	HYDRO	Koldam Hydro	800	35,20,00
		TOTAL	**58307.646**	**25,65,53,700**

आनंद सागर पाण्डेय/ANAND SAGAR PANDEY
महाप्रबंधक (वाणिज्यिक)
General Manager (Commercial)
एन टी पी सी लिमिटेड/NTPC LIMITED

17/04/2024
हर्षित शर्मा/HARSHIT SHARMA
वरिष्ठ प्रबन्धक (वाणिज्यिक)
Sr. Manager (Commercial)
एनटीपीसी लिमिटेड/NTPC Limited

Fee Acknowledgement

Counterfoil (Office Copy)

Transaction Id.:	37c568eba62158b7b321
Payment Gateway ID:	19716455492
Status:	success

Received From :	NTPC Limited		
The Sum of Rs. :	256553700		
Fee Type:	Annual Fees for Determination of Tariff Generating Station(GT)	**Dated :**	Apr 24, 2024, 2:56 PM
Fee Mode:	NB		
Fee Period:	2024-25		
Petitioner/ Organisation Name:	NTPC Limited		

Apr 29, 2024, 4:21 PM