

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(2) of Central Electricity Regulatory Commission (Terms and Conditions of Tariff) Regulations, 2024 for approval of tariff of **Talcher Super Thermal Power Station-I (2 x 500 MW) for the period from 01.04.2024 to 31.03.2029.**

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Summary of Issues: Talcher Super Thermal Power Station-I (2x 500 MW)

(In compliance with CERC notice dated 07.06.2024)

The major highlights of the Talcher STPS-I (1000 MW) Truing up petition 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-9(2) of Central Electricity Regulatory Commission (Terms and Conditions of Tariff) Regulations, 2024 for revision of tariff of Talcher Super Thermal Power Station, Stage-I (1000 MW) for the period from 01.04.2024 to 31.03.2029 after the truing up exercise based on actual expenditures as on 31.03.2024.

Talcher STPS-I is located at Angul, Odisha and comprises of two units of 500 MW each with their respective COD's as 01.01.1997 & 01.07.1997. The power generated from TSTPS-I is being supplied to various discoms as per MoP allocation and respective PPAs including West Bengal State Electricity Distribution Corporation Limited, Bihar State Power Holding Company Limited, Jharkhand Urja Vikas Nigam Limited, Grid Corporation of Orissa Limited, Damodar Valley Corporation, The Energy and Power Department, Govt of Sikkim, Assam Power Distribution Company Limited, Tamil Nadu Generation and Distribution Corporation Limited and Gujarat Urja Vikas Nigam Limited (GUVNL).

Talcher STPS-I completed its useful life in the 2019-24 control period. Hence as per the provisions of Tariff regulations 2024 in 28(2), a special allowance of Rs 537.50 crores is claimed for the 2024-29 period.

The actual Additional Capital Expenditure on cash basis for the FY 2024-25, 2025-26, 2026-27, 2027-28 and 2028-29 are Rs 5.00 cr, Rs 5.00 cr, Rs 7.01 cr, Rs 5.00 cr and Rs 5.00 cr respectively amounting to total of Rs 27.01 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.

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.

It is humbly submitted to allow reimbursement of Ash Transportation Charges directly from the beneficiaries on monthly basis, subject to true up. The ash transportation expenses claim has been depicted in Form 3A of Appendix-I.

Hon'ble Commission may please allow the claims of water charges, capital spares and security expenses for the instant station as per actual, as claimed by the Petitioner in Form 3A of Appendix-I.

- It is mentionable that the bipartite water agreement between NTPC Talcher STPS and Govt of Odisha directs NTPC to pay water charges on basis of water allocated or drawn whichever is higher. It is submitted that water is subject matter under the control of State Government and NTPC has no control over it. It is also an essential input for generation of electricity for a thermal power plant. NTPC is bound to pay the water charges as per the agreement with the State Government. The detailed calculation for the water charges claim as per the agreement is submitted in Form 3A. Hon'ble Commission may please allow the

claim of water charges paid on allocation basis. Copy of water agreement between NTPC Talcher STPS and Govt of Odisha is enclosed along with the petition.

- It is further mentioned that the Talcher STPS-I is a central government owned thermal power station which is of national importance. Safety and security of these nationally important infrastructure projects against any threat perception is a prime concern. The main security of these central government owned thermal power station is provided by the Central Industrial Security Force (CISF). CISF is a statutory body set up under an Act of the Parliament of India and a central armed police force in India under the Ministry of Home Affairs (MHA) whose primary mission is to provide security to large institutions like TSPTS-I. Deployment of the CISF is done as per the security threat perception, survey and as per the guidelines of MHA. In addition to the CISF, certain security is provided by other local and national agencies for critically less sensitive locations as per the plant specific needs. In view of this Hon'ble Commission may please allow the projected claims of security expenses as submitted in Form 3A. The actual claims will be submitted at the time of truing up.
- It is humbly submitted that the capital spares on store issuance basis for the instant station will be claimed by the Petitioner at the time of truing up in Form 3A of Appendix-I.
- It is humbly submitted that the statutory charges for the period 2024-29 as levied by the Odisha state government will be submitted in Form-20 of Appendix-I at the time of truing up of petition. Hon'ble Commission may please allow the same under Regulation 77 of Tariff regulations 2024.

The Talcher STPS-I has induced draft cooling tower and tube type coal mills in place. The average actual APC consumption over the last five years in the instant station is 7.51%. Accordingly, the petitioner has sought relaxation and APC has been claimed as 7.50%. Hon'ble Commission may please allow the same as per Regulation 70(E) of the Tariff Regulation 2024.

In the light of above submission and as per the Petition being filed by the Petitioner for revision of tariff of Talcher Super Thermal Power Station, Stage-I (1000 MW), The Hon'ble Commission may please approve revised tariff for the tariff period 2024-29 as per provision of Regulation 9(2) of Tariff Regulations 2024.

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(2) of Central Electricity Regulatory Commission (Terms and Conditions of Tariff) Regulations, 2024 for approval of tariff of **Talcher Super Thermal Power Station-I (2 x 500 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. West Bengal State Electricity Distribution Corporation Limited
Vidyut Bhavan, Block-DJ,
Sector-II, Salt Lake City
Kolkatta-700091
2. Bihar State Power Holding Company Limited
Vidyut Bhavan, Bailey Road,

Patna-800001

3. Jharkhand Urja Vikas Nigam Limited
Engineering Bhawan
Heavy Engineering Corporation
Dhurwa
Ranchi-834004
4. Grid Corporation of Orissa Limited
Vidyut Bhawan, Janpath,
Bhubaneshwar-751007
5. Damodar Valley Corporation
DVC Towers, VIP Road,
Kolkata-700054
6. The Energy and Power Department
Government of Sikkim
Kazi Road, Gangtok,
Sikkim-737101
7. Assam Power Distribution Company Limited
Bijulee Bhawan, Paltan Bazar
Guwahati-781001
8. Tamil Nadu Generation and Distribution Corporation
Limited
NPKRP Maaligai
800, Anna Salai,
Chennai-600002.
9. Gujarat Urja Vikas Nigam Limited (GUVNL)
Vidyut Bhawan,
Race Course,

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. Talcher Super Thermal Power Station -I (hereinafter referred to as TSTPS-I is one such station located in the State of Odisha. The power generated from TSTPS-I 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 '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 TSTPS-I for the period from 01.04.2024 to 31.03.2029 as per the Tariff Regulations 2024.
- 6) The tariff of the TSTPS-I for the tariff period 1.4.2019 to 31.3.2024 is yet to be determined by the Hon'ble Commission in Petition No.436/GT/2020 in accordance with the CERC (Terms & Conditions of Tariff) Regulations 2019. The petitioner vide affidavit dated 23.11.2024 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 humbly submitted that the closing capital cost as on 31.03.2024 has been worked out in the 2019-24 true-up petition as Rs. 2,80,901.96 Crs based on the actual expenditure after truing up exercise for the period 2019-24. Accordingly, the Petitioner has considered Rs 2,80,901.96 Cr as the opening capital cost as on 01.04.2024 in the instant 2024-29 tariff petition.
- 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 escalated @10% year on year on original rate i.e. Rs 5.60 per cu.m. based on the letter dated 26.03.2019 from Orissa irrigation department. The letter is marked and attached as Annexure A/3. Hon'ble commission may allow the water charges in tariff for the 2024-29 period. 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.

10)

Description	Remarks
Type of Plant	Coal based station
Type of cooling water system	IDCT, Closed Ckt Cooling
Consumption of Water	105 Cusec
Rate of Water charges	Rs 9.52 per Cum in FY 2023-24
Total Water Charges (For 2024-29)	Rs 175.12 Cr projected for 2024-29 period

11) 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.

12) 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.

- 13) 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.
- 14) The petitioner humbly submits that the normative APC for Talcher STPS-I (2x 500 MW) for the 2024-29 period is 6.55 % which is much less than the normative APC of the 2019-24 period of 7.05%. However the actual APC at Talcher STPS-I for last five years is 7.51% which is much beyond the normative. Hence petitioner submits for relaxation in APC norms for Talcher STPS-I which is illustrated below:

Relaxation in APC norms for Talcher STPS-I

- 15) CERC Tariff Regulations 2024 has provided the normative APC of 5.25% applicable to 500 MW and above unit size. In addition, thermal generating stations are allowed additional normative APC of 0.5% & 0.8% respectively having Induced Draft Cooling Tower (IDCT) and Ball & Tube mills.
- 16) It is pertinent to mention that the actual average APC of Talcher Stage-1 (2x500 MW) in the last five years is about 7.51% as against the proposed norms of 6.55%. One of the main reasons for higher APC is that the units are provided with Ball & Tube Mills, which is highly power intensive. The actual APC in the last five years is depicted below:-

Sl. No	Item	2019-20	2020-21	2021-22	2022-23	2023-24	Average
1	APC (%)	8.21	7.49	7.50	7.18	7.17	7.51

17) The auxiliary power consumption of Ball & Tube Mills is significantly higher than the normal BHEL bowl mills. The average power consumption for each tube mill is in the range of 2300 KW as compared to the average power consumption of around 500 KW for each BHEL bowl mill.

In this regard, a comparison of power consumption in these two types of coal mills are given below at normative loading conditions.

Description	500 MW units	
	Talcher Stage-I	Typical for 500 MW
Make/ Description of Mill	GE/Tube Mills (BBD 4772 SI)	BHEL/Bowl Mills (XRP 1003)
Unit Size (MW)	500	500
Name Plate Rating of Mills (kW)	2400	525
Loading of Mills at Full Load (kW)	2280	499
Number of mills required for full load	4	6
Total power consumption (kW)	9120	2993
Mill Energy consumption @ 0.85 PLF (MUs/annum)	67.91	22.28
Contribution towards APC (%)	1.82%	0.60%

As evident from above, the station like Talcher Stage-I with Tube and Ball mills required an APC of 1.82% towards milling system in comparison to 0.60% required by normal BHEL bowl mills.

Thus, an additional APC of 1.22% is required for Talcher Stage-I Station operated with Tube and Ball mills instead of 0.80% proposed in draft CERC Tariff Regulations 2024.

DRAFT SYSTEM

The Power consumption of the draft system of the single pass once through tower type boiler of TSTPS stage-1 is also quite more than the two-pass type BHEL design Boiler of 500 MW.

	Power Consumption in KW	Nos	Annual APC MU/ Unit	Contribution towards APC @ 95% loading (%)
Once Through Boiler of TSTPS Stage-1 Units				
PA Fan	1500	2	23.65	0.63
FD Fan	460	2	7.25	0.19
ID Fan	2750	2	43.36	1.16
Total			74.27	1.98
Two pass Boiler of other standard Units (KW)				
PA Fan	1250	2	19.71	0.53
FD Fan	450	2	7.10	0.19
ID Fan	1750	2	27.59	0.74
Total			54.40	1.45
Difference				0.53

The design itself makes the draft power consumption of TSTPS stage-1 units by 0.53% in comparison to that of the two pass type boilers of other conventional units.

It is humbly submitted before Hon'ble commission that in addition to the factors mentioned above, addition of some power intensive systems like Retrofitting of ESP (ESP R & M), 4th pump in Ash Slurry Series, Seepage water recirculation system etc to meet various statutory directives for pollution control and security has further increased the auxiliary energy consumption of Talcher Super Thermal Power Station -I.

Hon'ble commission may be pleased to allow an Additional APC of 0.95% for TSTPS -I for the 2024-29 period over the normative 6.55 %. This is as based on actual auxiliary energy consumption of 7.51 % during the last five years due to the reasons mentioned above. i.e The petitioner seeks liberty to claim normative APC as 7.50 % in the instant 2024-29 tariff petition.

- 18) 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.
- 19) 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.
- 20) 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.

- 21) 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.
- 22) 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.
- 23) 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
- 24) 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.

- 25) 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 remain unaffected.
- 26) 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.
- 27) The Petitioner humbly submits that 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 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.
- 28) 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.
- 29) In accordance with the 'Conduct of Business Regulations 2023' of the Hon'ble Commission, the Petitioner shall, within 7 days after filing the tariff petition, 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.

- 30) The filing fee for the instant Petition has been paid for FY 2024-25 vide Payment Reference No **UTR No. 37c568eba62158b7b321** on 24.04.2024 as per Central Electricity Regulatory Commission (Payment of Fees) Regulations, 2012, as amended from time to time. For subsequent years, it shall be paid as per the provisions of CERC (Payment of Fee) Regulations 2012. Further, the proof of payment of fees is being submitted in Form I specified under Regulation 12 of the Central Electricity Regulatory Commission (Payment of Fees) Regulations, 2012, as amended from time to time. 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.
- 31) 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 31.3.2024 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 Talcher STPS-I 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) Allow the recovery of pay/wage revision as additional O&M over and above the normative O&M.
- v) Allow Auxiliary energy consumption as 7.50 % based on high actual APC in the instant station
- vi) Pass any other order as it may deem fit in the circumstances mentioned above.

Petitioner

Place: Noida

Date: 27.11.2024

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 **Talcher Super Thermal Power Station STPS-I** 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: West Bengal State Electricity Distribution Company Limited
& Ors





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 authorised 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 the 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 27th 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.



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

27 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

TALCHER SUPER THERMAL POWER STATION, ST-I

(From 01.04.2024 to 31.03.2029)

PART-I

APPENDIX-I

Checklist of Tariff Forms and other information for tariff filing for Thermal Stations

Form No.	Title of Tariff Filing Forms (Thermal)	Tick
FORM- 1	Summary of Tariff	✓
FORM -1 (I)	Statement showing claimed capital cost	✓
FORM -1 (II)	Statement showing Return on Equity	✓
FORM-2	Plant Characteristics	✓
FORM-3	Normative parameters considered for tariff computations	✓
FORM-3A**	Statement showing O&M Expenses	✓
FORM-3B**	Statement of Special Allowance	✓
FORM- 4	Details of Foreign loans	NA
FORM- 4A	Details of Foreign Equity	NA
FORM-5	Abstract of Admitted Capital Cost for the existing Projects	NA
FORM-5A**	Abstract of Claimed Capital Cost for the existing Projects	✓
FORM- 6	Financial Package upto COD	NA
FORM- 7	Details of Project Specific Loans	NA
FORM- 8	Details of Allocation of corporate loans to various projects	✓
FORM-9A**	Summary of Statement of Additional Capitalisation claimed during the period	✓
FORM-9 ##	Statement of Additional Capitalisation after COD	✓
FORM- 10	Financing of Additional Capitalisation	✓
FORM- 11	Calculation of Depreciation on original project cost	NA
FORM- 12	Statement of Depreciation	✓
FORM- 13	Calculation of Weighted Average Rate of Interest on Actual Loans	✓
FORM- 14	Draw Down Schedule for Calculation of IDC & Financing Charges	NA
FORM- 15	Details of Fuel for Computation of Energy Charges	✓
FORM- 15A	Details of Secondary Fuel for Computation of Energy Charges	✓
FORM- 15B	Computation of Energy Charges	✓
FORM- 16	Details of Limestone for Computation of Energy Charge Rate	NA
FORM-17	Details of Capital Spares	***
FORM- 18	Non-Tariff Income	***
FORM-19	Details of Water Charges	✓
FORM-20	Details of Statutory Charges	✓

Provided yearwise for the period 2019-24

PART-I

List of Supporting Forms / documents for tariff filing for Thermal Stations

Form No.	Title of Tariff Filing Forms (Thermal)	Tick
FORM-A	Abstract of Capital Cost Estimates	NA
FORM-B	Break-up of Capital Cost for Coal/Lignite based projects	NA
FORM-C	Break-up of Capital Cost for Gas/Liquid fuel based Projects	NA
FORM-D	Break-up of Construction/Supply/Service packages	NA
FORM-E	Details of variables , parameters , optional package etc. for New Project	NA
FORM-F	Details of cost over run	NA
FORM-G	Details of time over run	NA
FORM -H	Statement of Additional Capitalisation during end of the useful life	NA
FORM -I	Details of Assets De-capitalised during the period	***
FORM -J	Reconciliation of Capitalisation claimed vis-à-vis books of accounts	***
FORM -K	Statement showing details of items/assets/works claimed under Exclusions	***
FORM-L	Statement of Capital cost	✓
FORM-M	Statement of Capital Woks in Progress	✓
FORM-N	Calculation of Interest on Normative Loan	✓
FORM-O	Calculation of Interest on Working Capital	✓
FORM-P	Incidental Expenditure up to SCOD and up to Actual COD	NA
FORM-Q	Expenditure under different packages up to SCOD and up to Actual COD	NA
FORM-R	Actual cash expenditure	NA
FORM-S	Statement of Liability flow	✓
FORM-T	Summary of issues involved in the petition	✓

** Additional Forms

*** Shall be provided at the time of true up

Summary of Tariff											PART-I FORM-1
Name of the Petitioner:		NTPC Limited									
Name of the Generating Station:		TALCHER SUPER THERMAL POWER STATION, ST-4									
Place (Region/District/State):		ODISHA									
S. No.	Particulars	Unit	Existing 2023-24	2024-25	2025-26	2026-27	2027-28	2028-29	Amount in Rs. Lakhs		
									4	5	6
1	2	3									
1.1	Depreciation	Rs Lakh	2,247.52	807.70	92.54	182.76	291.07	403.85			
1.2	Interest on Loan	Rs Lakh	0.00	0.00	10.19	32.40	46.55	46.23			
1.3	Return on Equity	Rs Lakh	15,782.48	15,833.03	15,861.20	15,893.81	15,926.43	15,954.60			
1.4	Interest on Working Capital	Rs Lakh	5,481.35	5,802.25	5,928.34	6,079.97	6,156.13	6,329.67			
1.5	O&M Expenses	Rs Lakh	39,864.01	42399.10	45171.99	48215.67	51441.88	54874.26			
1.6	Special Allowance (If applicable)	Rs Lakh	9500.00	10750.00	10750.00	10750.00	10750.00	10750.00			
1.7	Compensation Allowance (If applicable – relevant for column 4 only)	Rs. Lakh									
	Total	Rs Lakh	72,875.36	75,592.09	77,814.27	81,154.62	84,612.05	88,358.60			
2.1	Landed Fuel Cost (coal/gas/RLNG/ liquid) as per FSA	Rs/Ton	2365.65	2199.43	2199.43	2199.43	2199.43	2199.43			
	(%) of Fuel Quantity	(%)									
2.2	Landed Fuel Cost Imported Coal										
	(%) 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	0.03	0.03	0.03	0.03	0.03	0.03			
	Energy Charge Rate ex-bus (Paise/KWh) 2A, 2B, 2C, 2D	Rs/Unit	1.828	1.785	1.785	1.785	1.785	1.785			

NA

Name of the Petitioner: NTPC Limited

Name of the Generating Station: TALCHER SUPER THERMAL POWER STATION, ST-I

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	2,80,901.96	2,81,401.96	2,81,901.96	2,82,602.96	2,83,102.96
2	Add: Addition during the year/period	500.00	500.00	701.00	500.00	500.00
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	2,81,401.96	2,81,901.96	2,82,602.96	2,83,102.96	2,83,602.96
7	Average Capital Cost	2,81,151.96	2,81,651.96	2,82,252.46	2,82,852.96	2,83,352.96

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	280182.82	280682.82	281182.82	281682.82	282182.82
2	Add: Addition during the year / period	500.00	500.00	500.00	500.00	500.00
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	280682.82	281182.82	281682.82	282182.82	282682.82
7	Average Capital Cost	280432.82	280932.82	281432.82	281932.82	282432.82

Statement showing claimed capital cost eligible for RoE at one year MCLR + 350 bps subject to ceiling of 14.00% (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	719.14	719.14	719.14	920.14	920.14
2	Add: Addition during the year / period	0.00	0.00	201.00	0.00	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	719.14	719.14	920.14	920.14	920.14
7	Average Capital Cost	719.14	719.14	819.64	920.14	920.14

		NTPC Limited		PART-I FORM- 1(IIA)						
Name of the Petitioner:										
Name of the Generating Station:		TALCHER SUPER THERMAL POWER STATION, ST-I								
		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)	84,054.85	84,204.85	84,354.85	84,504.85	84,654.85				
2	Less: Adjustment in Opening Equity	-								
3	Adjustment during the year		-	-	-	-				
4	Net Opening Equity (Normal)	84,054.85	84,204.85	84,354.85	84,504.85	84,654.85				
5	Add: Increase in equity due to addition during the year	150.00	150.00	150.00	150.00	150.00			150.00	
7	Less: Decrease due to De-capitalisation during the year	0.00	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			0.00	
9	Add: Increase due to discharges during the year / period	0.00	0.00	0.00	0.00	0.00			0.00	
10	Net closing Equity (Normal)	84,204.85	84,354.85	84,504.85	84,654.85	84,804.85				
11	Average Equity (Normal)	84,129.85	84,279.85	84,429.85	84,579.85	84,729.85				
12	Rate of ROE (%)	18.782	18.782	18.782	18.782	18.782			18.782	
13	Total ROE	15,801.27	15,829.44	15,857.61	15,885.79	15,913.96				

		PART-I FORM- 1(IIB)						
Name of the Petitioner:		NTPC Limited						
Name of the Generating Station:		TALCHER SUPER THERMAL POWER STATION, ST-						
Statement showing Return on Equity linked to SBI MCLR+ 350 basis points								
		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 (Return on Equity (beyond the original scope of work including additional capitalization due to Change in Law, Force Majeure)							
1	Gross Opening Equity	215.74	215.74	215.74	215.74	276.04	276.04	276.04
2	Less: Adjustment in Opening Equity	0.00	0.00	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	0.00	0.00
4	Net Opening Equity	215.74	215.74	215.74	215.74	276.04	276.04	276.04
5	Add: Increase in equity due to addition during the year / period	0.00	0.00	60.30	0.00	0.00	0.00	0.00
7	Less: Decrease due to De-capitalisation during the year / period	0.00	0.00	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	0.00	0.00
9	Add: Increase due to discharges during the year / period	0.00	0.00	0.00	0.00	0.00	0.00	0.00
10	Net closing Equity	215.74	215.74	276.04	276.04	276.04	276.04	276.04
11	Average Equity	215.74	215.74	245.89	276.04	276.04	276.04	276.04
12A	Rate of ROE- Post Tax (%)	12.15	12.15	12.15	12.15	12.15	12.15	12.15
12B	Effective Tax Rate (%)	17.47	17.47	17.47	17.47	17.47	17.47	17.47
12C	Rate of ROE – Pre Tax (%)	14.72	14.72	14.72	14.72	14.72	14.72	14.72
13	Total ROE	31.76	31.76	36.20	40.64	40.64	40.64	40.64

		PART-I
		FORM-2
Plant Characteristics		
Name of the Petitioner	NTPC Ltd.	
Name of the Generating Station	TSTPS Stage-I	
Unit(s)/Block(s)/Parameters	Unit-I	Unit-II
Installed Capacity (MW)	500	500
Schedule COD as per Investment Approval	-	-
Actual COD /Date of Taken Over (as applicable)	01.01.1997	01.07.1997
Pit Head or Non Pit Head or Integrated Inline	Pit head	
Name of the Boiler Manufacture	M/s Stein Industries, France	
Name of Turbine Generator Manufacture	ABB, Germany	
Main Steams Pressure at Turbine inlet (kg/Cm ²) abs.	Not Applicable.	
Main Steam Temperature at Turbine inlet (°C)		
Reheat Steam Pressure at Turbine inlet (kg/Cm ²)		
Reheat Steam Temperature at Turbine inlet (°C)		
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)		
Unit Gross electrical output under VWO condition (MW)		
Guaranteed Design Gross Turbine Cycle Heat Rate (kCal/kWh)		
Conditions on which design turbine cycle heat rate guaranteed		
% MCR	Not Applicable.	
% 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/Cm ²		
Steam Temperature at super heater outlet under		
Steam Temperature at Reheater outlet at BMCR condition (°C)		
Design / Guaranteed Boiler Efficiency (%)		
Design Fuel with and without Blending of domestic/imported coal		
Type of Cooling Tower	IDCT	
Type of cooling system	Closed ckt cooling	
Type of Boiler Feed Pump	2 Nos Turbine driven and one no	
Type of Boiler (Wall Fired/Tangential Fired)	Tangential Fired	
Fuel Details		
-Primary Fuel	Coal	
-Secondary Fuel	HFO	
-Alternate Fuels	NA	
Types of SOX control system	NA	
Types of NOX control system	NA	
Details of SPM control system	ESP	
Special Features/Site Specific Features	Tube mills in place of Pressurised Bowl Mill.	
Special Technological Features	Subcritical once through boiler	
Environmental Regulation related features	ESP	
Any other special features	FGD is not yet commissioned.	
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, Vicinity to sea, Intake /makeup water systems etc. scrubbers etc. Specify all such features		
9: Any Special Technological feature like Advanced class FA technology in Gas Turbines, etc.		
10: Environmental Regulation related features like FGD, ESP etc.,		

Normative parameters considered for tariff computations

Name of the Petitioner:		NTPC Limited					
Name of the Generating Station:		TALCHER SUPER THERMAL POWER STATION, ST-I					
(Year Ending March)							
Particulars	Unit	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
Rate of Return on Add - cap beyond the original scope of work including additional capitalization due to Change in Law, Force Majeure	%	0	12.15	12.15	12.15	12.15	12.15
Effective Tax Rate	%	17.4720	17.4720	17.4720	17.4720	17.4720	17.4720
Target Availability	%	85.00	85.00	85.00	85.00	83.00	83.00
Peak Hours	%	-	85.00	85.00	85.00	83.00	83.00
Off-Peak Hours	%	-	85.00	85.00	85.00	83.00	83.00
β- Average Monthly Frequency Response Performance	0-1	NA	Will be provided at the time of truing up				
Auxiliary Energy Consumption claimed*		7.05	7.50	7.50	7.50	7.50	7.50
Gross Station Heat Rate	kCal/kWh	2390.00	2375.00	2375.00	2375.00	2375.00	2375.00
Specific Fuel Oil Consumption	ml/kWh	0.50	0.50	0.50	0.50	0.50	0.50
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	NA	NA	NA	NA	NA	NA
Liquid Fuel Stock for WC	in Months	NA	NA	NA	NA	NA	NA
O&M Expenses	Rs lakh/MW	25.84	27.17	28.60	30.10	31.68	33.34
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	Lakh MT	2.66					
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		NA	Refer Form 15				
Norms for consumption of reagent		FGD not yet commissioned					

Part-I
FORM-3A
ADDITIONAL FORM

Calculation of O&M Expenses

Name of the Company : NTPC Limited

Name of the Power Station : TALCHER SUPER THERMAL POWER STATION, ST-I

		Amount in Rs. Lakhs					
S.N o.	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)						
1a	Normative	27170.00	28600.00	30100.00	31680.00	33340.00	
2	O&M expenses under Reg.36(1)(6)						
2a	Water Charges	3150.50	3325.53	3500.56	3685.66	3850.62	
2b	Security expenses	1678.60	1846.46	2031.11	2234.22	2457.64	
2c	Capital Spares*	0.00	0.00	0.00	0.00	0.00	
3	O&M expenses-Ash Transportation**	10400	11400	12584	13842	15226	
4	Elec. Charges for mine dewatering ***						
	Total O&M Expenses	42399.10	45171.99	48215.67	51441.88	54874.26	

Note: The water agreement between M/s NTPC and the Govt of Odisha is marked as Annexure A/2

Computation of Special Allowance

Name of the Company :				NTPC Limited					
Name of the Power Station :				Talcher Super Thermal Power Station -I					
Rate of Special allowance @lakh/MW/year				10.75					
(Rs. Lakh)									
Unit No.	Capacity (MW)	Date of COD	Year of completion of useful life of 25 yrs.	Special Allowance as per Clause 28					
				Existing 2023-24	2024-25	2025-26	2026-27	2027-28	2028-29
1	500	01.01.1997		4750.00	5375.00	5375.00	5375.00	5375.00	5375.00
2	500	01.07.1997		4750.00	5375.00	5375.00	5375.00	5375.00	5375.00
Year wise Total for the Station				9500.00	10750.00	10750.00	10750.00	10750.00	10750.00

Abstract of Claimed Capital Cost for the existing Projects

Name of the Company :	NTPC Limited	
Name of the Power Station :	Talcher Super Thermal Power Station- I	
Capital Cost as on 31.03.2024 as per 2019-24 (True Up petition)	Rs. Lakhs	2,80,901.96
Following details as considered by the Petitioner as on the last date of the period for which final true-up tariff is claimed:		
Capital cost as on 01.04.2024	(Rs. in lakh)*	2,80,901.96
Capital cost as on 31.03.2029		2,83,602.96
Amount of un-discharged liabilities included in above (& forming part of admitted capital cost)		0
Amount of un-discharged liabilities corresponding to above claimed capital cost as on 31.03.2024		1551.73
Gross Normative Debt		1,49,834.43
Cumulative Repayment		1,49,210.11
Net Normative Debt		624.33
Normative Equity		85,080.89
Cumulative Depreciation		2,51,297.91
Freehold land		2,831.54

Statement Giving Details of Project Financed through a Combination of Loan
Form B

BP NO 505000251		TRANCHE NO T00051	D00007
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 00 000		
Date of Drawl :	0		
Interest Type :	Floating		
Rate of Interest as on 01.04.2019 :	8.25%		
Upfront fees :	0.00% excluding service tax		
Margin, if Floating Interest :	Nil		
Are there any Cap/Floor :	Y/N		
Frequency of Int. Payment :	Monthly		
If Above is 'yes', specify Cap/Floor :			
Maturation Period :	4 Years		
Maturation effective from :	06.07.2011		
Repayment Period (inc Maturation) :			
Repayment Frequency :	12 Years		
Repayment Type :	18 Half Yearly Installments		
First Repayment Date :	30.09.2019		
Base Exchange Rate :	RUPEE		
Date of Base Exchange Rate :	N.A.		
Project Code	Project Name	Amount	
	KOLDAM	35 00 00 0 0	
	SOLAPUR	25 00 00 0 0	
	VINDHYACHALU	20 00 00 0 0	
	TAROVAN	20 00 00 0 0	
	BARH-I	80 00 00 0 0	
	MCLDA-I	15 00 00 0 0	
	RHAND-II	45 00 00 0 0	
	KUDGI-I	20 00 00 0 0	
	DADRI SOLAR PV	5 00 00 0 0	
	ASN SOLAR PV	5 00 00 0 0	
	SINGRAULI S MW	5 00 00 0 0	
	BONGAIGADN	40 00 00 0 0	
	BARH-II	80 00 00 0 0	
	SINGRAULI-R&M	25 00 00 0 0	
	TANDA - R&M	15 00 00 0 0	
	KAWAS-R&M	35 00 00 0 0	
	GANDHAR-R&M	20 00 00 0 0	
	TETPR-R&M	10 00 00 0 0	
Total Allocated Amount		5,00,00,00,00.00	

Form B

BP NO 505000251		TRANCHE NO T00051	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 00 000		
Date of Drawl :	0		
Interest Type :	Floating		
Rate of Interest as on 01.04.2019 :	8.25%		
Upfront fees :	0.00% excluding service tax		
Margin, if Floating Interest :	Nil		
Are there any Cap/Floor :	Y/N		
Frequency of Int. Payment :	Monthly		
If Above is 'yes', specify Cap/Floor :			
Maturation Period :	4 Years		
Maturation effective from :	06.07.2011		
Repayment Period (inc Maturation) :			
Repayment Frequency :	12 Years		
Repayment Type :	18 Half Yearly Installments		
First Repayment Date :	30.09.2019		
Base Exchange Rate :	RUPEE		
Date of Base Exchange Rate :	N.A.		
Project Code	Project Name	Amount	
	KOLDAM	35 00 00 0 0	
	SOLAPUR	30 00 00 0 0	
	VINDHYACHALU	35 00 00 0 0	
	TAROVAN	18 00 00 0 0	
	BARH-I	57 00 00 0 0	
	MCLDA-I	26 00 00 0 0	
	RHAND-II	32 00 00 0 0	
	KUDGI-I	36 00 00 0 0	
	DADRI SOLAR PV	18 00 00 0 0	
	ASN SOLAR PV	20 00 00 0 0	
	LARA-I	20 00 00 0 0	
	BONGAIGADN	34 00 00 0 0	
	FARAKA-III	27 00 00 0 0	
	SINHADR-II	20 00 00 0 0	
	SINGRAULI-R&M	10 00 00 0 0	
	TTRB-R&M	15 00 00 0 0	
	KAWAS-R&M	15 00 00 0 0	
	GANDHAR-R&M	8 00 00 0 0	
	TETPR-R&M	10 00 00 0 0	
	RAMAGUNDAM-R&M	8 00 00 0 0	
	BADARPUR-R&M	20 00 00 0 0	
Total Allocated Amount		5,00,00,00,00.00	

Statement Giving Details of Project Financed through a Combination of loan
Form B

TRANCHE NO		D00012	
Unsecured Loan From SBI-VII			
Source of Loan :	SBI-VII		
Currency :	INR		
Amount of Loan :	1,00,00,00,000		
Total Drawn amount :	2,00,00,00,000		
Date of Drawl :	0		
Interest Type :	Floating		
Rate of Interest as on 01.04.2019 :	8.25%		
Le/Don't take Margin, if Floating interest :	0.03% excluding service tax		
Margin, if Floating interest :	Nil		
Are there any Caps/ Floor :	Y/N		
Frequency of Int. Payment :	Monthly		
If Above is yes, specify Caps/ Floor :			
Maturation Period :	4 Years		
Maturation effective from :	04.07.2017		
Repayment Period (inc Maturation) :	12 Years		
Repayment Frequency :	12 Half Yearly Installments		
Repayment Type :	AVG		
First Repayment Date :	30.09.2018		
Base Exchange Rate :	RUPEE		
Date of Base Exchange Rate :	N.A		
Project Code	Project Name	Amount	
	BARK-I	67,00,00,000	
	FARAKKA-II	30,00,00,000	
	SINHADRI-I	20,00,00,000	
	RAMAGUNJAM SOLAR	10,00,00,000	
	ROUPSI	8,45,00,477	
	ROUPSI-I	5,00,00,000	
	WAPSI R&M	20,00,00,000	
	RAMAGUNJAM R&M	18,00,00,000	
	KORBA-R&M	17,00,00,000	
	KAWAS R&M	17,00,00,000	
	BADARPUR R&M	14,00,00,000	
	TSTPP R&M	10,00,00,000	
Total Allocated Amount:		2,00,00,00,000.00	

Statement Giving Details of Project Financed through a Combination of loan
Form B

TRANCHE NO		D0001	
Unsecured Loan From SBI-VIII			
Source of Loan :	SBI-VIII		
Currency :	INR		
Amount of Loan :	1,00,00,00,000		
Total Drawn amount :	5,00,00,00,000		
Interest Type :	Floating		
Fixed Interest Rate :			
Base Rate, if Floating Interest :	00001-3-8.25%		
Margin, if Floating interest :	Nil		
Are there any Caps/ Floor :	Y/N		
Frequency of Int. Payment :	Monthly		
If Above is yes, specify Caps/ Floor :			
Maturation Period :	6 Years		
Maturation effective from :	21.01.2015		
Repayment Period (inc Maturation) :	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	
	BARK-I	1,00,00,00,000	
	FARAKKA R&M	20,00,00,000	
	TSTPP R&M	40,00,00,000	
	SINORALI R&M	40,00,00,000	
	RAMAGUNJAM R&M	50,00,00,000	
	KAWAS R&M	60,00,00,000	
	KORBA R&M	60,00,00,000	
	GANDHAR R&M	1,25,00,00,000	
Total Allocated Amount:		5,00,00,00,000.00	

Statement Giving Details of Project Financed through a Combination of loan
Form B

TRANCHE NO		D005R	
T00051			
Unsecured Loan From SBI-IX			
Source of Loan :	SBI-IX		
Currency :	INR		
Amount of Loan :	30,00,00,000		
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 :	6.25%		
Margin, if Floating Interest :	0.00%		
Are there any Caps/ Floor :	Y/N		
Frequency of Int. 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 :	8 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	
	BATH-I	25,00,00,000	
	TANDU	30,00,00,000	
	TELANGANA	30,00,00,000	
	RAMAGUNDAM R&M	25,00,00,000	
	TALCHER STPP R&M	40,00,00,000	
	KALHA GADH R&M	20,00,00,000	
	PAKRI BARMADH C&B	30,00,00,000	
	Total Allocated Amount	2,00,00,00,000.00	

Statement Giving Details of Project Financed through a Combination of loan
Form B

TRANCHE NO		D18	
T00051			
Unsecured Loan From SBI-VIII			
Source of Loan :	SBI-VIII		
Currency :	INR		
Amount of Loan :	1,00,00,00,000		
Total Drawn amount :	1,00,00,00,000		
Date of Drawal :	0		
Interest Type :	Floating		
Fixed Interest Rate :			
Base Rate, if Floating Interest :	D00018-6.25%		
Margin, if Floating Interest :	0.00%		
Are there any Caps/ Floor :	Y/N		
Frequency of Int. Payment :	Monthly		
If Above is yes, specify Caps/ Floor :			
Moratorium Period :	8 Years		
Moratorium effective from :	21.04.2016		
Repayment Period (inc Moratorium) :			
	15 Years		
Repayment Frequency :	8 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	
	BONGALADH	70,00,00,000	
	UNCHARHARV	5,00,00,000	
	RAMAGUNDAM R&M	15,00,00,000	
	TSTPS R&M	21,00,00,000	
	GANDHAR R&M	8,00,00,000	
	KORBA R&M	8,00,00,000	
	DADR G&B R&M	10,00,00,000	
	UNCHARHAR R&M	5,00,00,000	
	BADARPUR R&M	5,00,00,000	
	KHALGAON R&M	5,00,00,000	
	Total Allocated Amount	1,30,00,00,000	

Statement Giving Details of Project Financed through a Combination of loan
Form B

TRANCHE NO		T00001		D00004	
Unsecured Loan From HDFC Bank Ltd-IV					
Source of Loan :	HDFC Bank Ltd-IV				
Currency :	INR				
Amount of Loan :	20,00,00,000				
Total Drawn amount :	12,43,00,00,000				
Date of drawl :	22.06.2018				
Interest Type :	Floating				
Fixed Interest Rate :					
Base Rate, if Floating Interest :	8.45%				
Margn, if Floating Interest :	NIL				
Are there any Caps/ Floor :	Y/N				
Frequency of Int. Payment :	MONTHLY				
If Above is yes, specify Caps/ Floor :					
Maturity Period :	3 Years				
Maturity effective from :	22.06.2018				
Repayment Period (inc Maturity) :					
Repayment Frequency :	9 Yearly (installment)				
Repayment Type :	AVD				
First Repayment Date :	17.06.2021				
Base Exchange Rate :	RUPEE				
Date of Base Exchange Rate :	N.A.				
Project Code	Project Name	Amount			
	KORBA RSM	90,00,00,000			
	BANNEGUNDA RSM	2,70,00,00,000			
	UNDHOLA RSM	10,00,00,000			
	BHANDA RSM	80,00,00,000			
	KHARSA RSM	1,80,00,00,000			
	AJAYYA RSM	1,60,00,00,000			
	TEPP RSM	90,00,00,000			
	GANDHAR RSM	2,45,00,00,000			
	KCTPP RSM	30,00,00,000			
	KAHALSADA RSM	30,00,00,000			
	WTA RSM	80,00,00,000			
	Total Allocated Amount	12,43,00,00,000			

Statement Giving Details of Project Financed through a Combination of loan
Form B

TRANCHE NO		T00001		D00005	
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%				
Margn, if Floating Interest :	-				
Are there any Caps/ Floor :	Y/N				
Frequency of Int. Payment :	MONTHLY				
If Above is yes, specify Caps/ Floor :					
Maturity Period :	3 Years				
Maturity effective from :	08.04.2020				
Repayment Period (inc Maturity) :					
Repayment Frequency :	12 Years				
Repayment Type :	9 Yearly Yearly (installment)				
Repayment Type :	AVD				
First Repayment Date :	11.07.2023				
Base Exchange Rate :	RUPEE				
Date of Base Exchange Rate :	N.A.				
Project Code	Project Name	Amount			
	BATH-I	70,00,00,000	08.04.2020	D00006	
	BULHUPH	80,00,00,000	08.04.2020	D00006	
	DARUPH	10,00,00,000	08.04.2020	D00006	
	BHARGONI	20,00,00,000	08.04.2020	D00006	
	BIRAHU-I	40,00,00,000	08.04.2020	D00006	
	BHARUKOLAR RSM	30,00,00,000	08.04.2020	D00006	
	KURVA SOLAR RSM	5,00,00,000	08.04.2020	D00006	
	AJAYYA SOLAR RSM	5,00,00,000	08.04.2020	D00006	
	EMADRI FLOWING	5,00,00,000	08.04.2020	D00006	
	SINGRULI RSM	43,00,00,000	08.04.2020	D00006	
	KORBA RSM	30,00,00,000	08.04.2020	D00006	
	BANNEGUNDA I & II RSM	45,00,00,000	08.04.2020	D00006	
	VINDHYCHAL RSM	40,00,00,000	08.04.2020	D00006	
	FARADA RSM	38,00,00,000	08.04.2020	D00006	
	BHANDA RSM	75,00,00,000	08.04.2020	D00006	
	DADR SAS RSM	6,00,00,000	08.04.2020	D00006	
	TEPP RSM	8,00,00,000	08.04.2020	D00006	
	KCTPP RSM	6,00,00,000	08.04.2020	D00006	
	CHATTI BARNATI DMS	5,00,00,000	08.04.2020	D00006	
	Total Allocated Amount	5,00,00,00,000			

BP NO 505000981		TRANCHE NO T00091		D09008	
Unsecured Loan From HDFC Bank Ltd. IX					
Source of Loan :	HDFC Bank Ltd. IX				
Currency :	INR				
Amount of Loan :	50,00,00,000				
Total Drawn amount :	5,00,00,00,000				
Date of Drawl :	18.11.2020				
Interest Type :	Floating				
Fixed Interest Rate :					
Base Rate, if Floating Interest :	5.95%				
Margin, if Floating Interest :	NIL				
Are there any Caps/ Floor :	Y/N				
Frequency of Int. Payment :	MONTHLY				
If Above is yes, specify Cap/ Floor :					
Maturity Period :	3 Years				
Maturity effective from :	18.11.2020				
Repayment Period (inc Maturity) :	15 Years				
Repayment Frequency :	12 Yearly Instalment				
Repayment Type :	AVG				
Final Repayment Date :	30.09.2024				
Base Exchange Rate :	RUPEE				
Date of Base Exchange Rate :	N.A.				
Project Code	Project Name	Amount			
	BARI I	1,75,00,00,000	18.11.2020		
	BARAUN-II	27,00,00,000	18.11.2020		
	SCILAPUR	20,00,00,000	18.11.2020		
	TTPS R&M	1,00,00,000	18.11.2020		
	SINGRAULI R&M	15,00,00,000	18.11.2020		
	KORBA R&M	15,00,00,000	18.11.2020		
	RANIGUNDAM I & II R&M	42,50,00,000	18.11.2020		
	VINDHYACHAL R&M	18,00,00,000	18.11.2020		
	FARAKKA R&M	12,00,00,000	18.11.2020		
	UNCHAHAR R&M	16,00,00,000	18.11.2020		
	RHAND R&M	15,00,00,000	18.11.2020		
	FARIDABAD R&M	1,50,00,000	18.11.2020		
	DADRI GAS R&M	2,00,00,000	18.11.2020		
	TSTPP R&M	11,50,00,000	18.11.2020		
	KANHALGODI R&M	18,00,00,000	18.11.2020		
	SIKHAORI R&M	1,50,00,000	18.11.2020		
	CHATTI BARIYU O&M	25,00,00,000	18.11.2020		
	TALAPALI COAL MINE	75,00,00,000	18.11.2020		
	KORNCARS	10,00,00,000	18.11.2020		
Total Allocated Amount		5,90,00,00,000			

Statement Giving Details of Project Financed through a Combination of loan
Form B

BP NO 505000981		TRANCHE NO T00091		D09003	
Unsecured Loan From HDFC Bank Ltd. VII					
Source of Loan :	HDFC Bank Ltd. VII				
Currency :	INR				
Amount of Loan :	25,50,00,00,000				
Total Drawn amount :	1,70,00,00,000				
Date of Drawl :	01.01.2020				
Interest Type :	Floating				
Fixed Interest Rate :					
Base Rate, if Floating Interest :	7.85%				
Margin, if Floating Interest :	NIL				
Are there any Caps/ Floor :	Y/N				
Frequency of Int. Payment :	MONTHLY				
If Above is yes, specify Cap/ Floor :					
Maturity Period :	8 Years				
Maturity effective from :	01.01.2020				
Repayment Period (inc Maturity) :	15 Years				
Repayment Frequency :	8 Yearly Instalment				
Repayment Type :	AVG				
Final Repayment Date :	11.08.2028				
Base Exchange Rate :	RUPEE				
Date of Base Exchange Rate :	N.A.				
Project Code	Project Name	Amount			
	KORBA R&M	20,00,00,000	01.01.2020	100000	
	RANIGUNDAM R&M	40,00,00,000	01.01.2020	100000	
	VINDHYACHAL R&M	40,00,00,000	01.01.2020	100000	
	FARAKKA R&M	30,00,00,000	01.01.2020	100000	
	UNCHAHAR R&M	10,00,00,000	01.01.2020	100000	
	RHAND R&M	10,00,00,000	01.01.2020	100000	
	TSTPP R&M	10,00,00,000	01.01.2020	100000	
	KANHALGODI R&M	10,00,00,000	01.01.2020	100000	
Total Allocated Amount		1,70,00,00,000			

Form B

TRANCHE NO

T0001

D0004

Unsecured Loan From HDFC Bank Ltd. X		
Source of Loan :	HDFC Bank Ltd. X	
Currency :	INR	
Amount of Loan :	30,00,00,000	
Total Drawn amount :	5,00,00,00,000	
Date of drawl :	12.05.2022	
Interest Type :	Floating	
Fixed Interest Rate :		
Base Rate, if Floating Interest :	5.85%	
Margin, if Floating Interest :	NIL	
Are there any Caps/ Floor :	Y/N	
Frequency of Int. 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 :	24.11.2028	
Base Exchange Rate :	RUPEE	
Date of Base Exchange Rate :	N.A.	
Project Code	Project Name	Amount
	KORTH (KRRKPLR)	25,00,00,000.00 12.05.2022 5.85%
	KARVULAM FLD(IND)	40,00,00,000.00 12.05.2022 5.85%
	LEJARI SOLAR	5,00,00,000.00 12.05.2022 5.85%
	LEJARI SOLAR	10,00,00,000.00 12.05.2022 5.85%
	DEVIKOTI SOLAR	5,00,00,000.00 12.05.2022 5.85%
	DEVIKOTI SOLAR	20,00,00,000.00 12.05.2022 5.85%
	KOZHAR SOLAR	1,00,00,000.00 12.05.2022 5.85%
	ETPAAPURAM SOLAR	5,50,00,000.00 12.05.2022 5.85%
	RHIND SOLAR	1,00,00,000.00 12.05.2022 5.85%
	KAWAS SOLAR	5,00,00,000.00 12.05.2022 5.85%
	ANTA SOLAR	6,50,00,000.00 12.05.2022 5.85%
	ROJAPUR SOLAR	5,00,00,000.00 12.05.2022 5.85%
	KOEN SOLAR PLOT-1 (KMSA)	20,00,00,000.00 12.05.2022 5.85%
	KOEN SOLAR PLOT-1 (KMS)	20,00,00,000.00 12.05.2022 5.85%
	SINDRABU-RSM	13,00,00,000.00 12.05.2022 5.85%
	KORBA-RSM	10,00,00,000.00 12.05.2022 5.85%
	RHMIGUNDAM-RSM	37,00,00,000.00 12.05.2022 5.85%
	VITPS-RSM	9,00,00,000.00 12.05.2022 5.85%
	STRP-RSM	20,00,00,000.00 12.05.2022 5.85%
	RHIND-RSM	10,00,00,000.00 12.05.2022 5.85%
	FARIDABAD-RSM	5,00,00,000.00 12.05.2022 5.85%
	STRP-RSM	10,00,00,000.00 12.05.2022 5.85%
	KHALSAGAN-RSM	10,00,00,000.00 12.05.2022 5.85%
	KPSRAGAR-RSM	16,00,00,000.00 12.05.2022 5.85%
Total Allocated Amount		5,00,00,00,000

Statement Giving Details of Project Financed through a Combination of loan

Form B

TRANCHE NO

T0001

D0001

Unsecured Loan From AXIS BANK-IV		
Source of Loan :	AXIS BANK-IV	
Currency :	INR	
Amount of Loan :	19,00,00,00,000	
Total Drawn amount :	19,00,00,00,000	
Date of Drawl :	29.03.2023	
Interest Type :	Floating	
Fixed Interest Rate :		
Base Rate, if Floating Interest :	8.00%	
Margin, if Floating Interest :	-	
Are there any Caps/ Floor :	Y/N	
Frequency of Int. Payment :	MONTHLY	
If Above is yes, specify Caps/ Floor :		
Moratorium Period :	0 Years	
Moratorium effective from :	NIL	
Repayment Period (inc Moratorium) :	10 Years	
Repayment Frequency :	10 Yearly instalment	
Repayment Type :	AVG	
First Repayment Date :	29.03.2024	
Base Exchange Rate :	RUPEE	
Date of Base Exchange Rate :	N.A.	
Project Code	Project Name	Amount
	(ANDH)	18,00,00,000.00 29.03.2023
	KOS-IND	25,00,00,000.00 29.03.2023
	STRP-RSM-I	4,00,00,000.00 29.03.2023
	BAB-I	2,20,00,000.00 30.03.2023
	KORTH (KRRKPLR)	65,00,00,000.00 29.03.2023
	LARA-I	2,30,00,000.00 29.03.2023
	GADKINARA	4,64,00,000.00 29.03.2023
	DERI (JH)	1,54,00,000.00 29.03.2023
	KHARGONE	1,15,00,000.00 29.03.2023
	TELANGANA	1,30,00,000.00 29.03.2023
	KERENDI-R	3,40,00,000.00 29.03.2023
	CHATTI BARKUD	5,00,00,000.00 29.03.2023
	TRIPUN (BHNJOS-I)	30,50,00,000.00 29.03.2023
	TALAPAI	65,00,00,000.00 29.03.2023
Total Allocated Amount		19,00,00,00,000

Form 8- Domestic Bonds- Details of Allocation of corporate loans to various projects during the FY 2014-19

Particulars	<u>54</u>	<u>57</u>
Source of Loan ¹	BONDS	BONDS
Currency ²	INR	INR
Amount of Loan sanctioned	1030683	50000
Interest Type ⁶	Fixed	Fixed
Fixed Interest Rate, if applicable	8.49%	8.19%
Base Rate, if Floating Interest ⁷	N/A	N/A
Margin, if Floating Interest ⁸	N/A	N/A
Are there any Caps/Floor ⁹	No	No
If above is yes,specify caps/floor	N/A	N/A
Moratorium Period ¹⁰	8	10
Moratorium effective from #	25-03-2015	15-12-2015
Repayment Period ¹¹	Installments Due on 25/03/2023, 25/03/2024 & 25/03/2025	Bullet Repayment
Repayment effective from	25-03-2023	15-12-2025
Repayment Frequency ¹²	Installments Due on 25/03/2023, 25/03/2024 & 25/03/2025	Bullet Repayment
Repayment Instalment ^{13,14}	Installments 1st - 206,136.61 2nd - 412,273.22 3rd - 412,273.22	50000
Base Exchange Rate ¹⁶	N/A	N/A
Door to Door Maturity	10	10

Name of the Projects		
Anantpur Solar	5,600	-
Auraiya R & M	-	1,400
Badarpur R&M	2,300	-

BARH I	74,883	8,900
BARH II	63,500	-
BONGAIGAON	54,000	500
Chatti Bariatu CMB	8,100	-
Dadri Gas R & M	600	-
DARLIPALLI	49,200	-
FARAKKA III	10,900	-
Farakka R & M	2,000	-
GADARWARA	81,000	2,000
Gandhar R & M	4,300	800
Kahalgaon II Phase II	1,800	-
Khstpp R & M	2,000	500
Kawas R & M	1,400	-
Khargone	45,000	3,000
KOLDAM	25,100	3,700
KORBA III	9,200	500
Korba R & M	4,400	-
Kudgi	1,23,300	-
LARA I	53,300	13,700
Lata Tapovan	1,600	-
Mauda	21,900	-
Mauda II	45,800	-
NCTPP II	11,000	500
NCTPP R & M	3,700	-
NORTH KARANPURA	12,400	-
Pakri Barwadiah CMB	26,600	800
Ramagundam I & II R & M	2,400	-
Rammam	3,100	-
RIHAND III	28,300	800
Rihand R & M	2,500	-
Simhadari II	26,800	1,000
Simhadari R & M	900	-
Vidhyachal Hydro**	1,900	-
Singrauli R & M	1,600	-
Vindyachal Solar**	4,800	-
SIPAT I	20,500	1,400
SOLAPUR	70,300	-
TALCHER II	12,000	700
Tanda II	9,000	400
Tapovan Vishnugad	26,400	-
TSTPP R & M	1,600	1,000
TTPS R & M	1,000	-
Unchahar R & M	3,400	-
Unchahar IV	17,400	4,800
Vindhyachal IV	17,200	500
Vindhyachal V	33,500	2,200
Vindhyachal R & M	1,200	900
TOTAL	10,30,683	50,000

Particulars			
Source of Loan - Bonds Series	73	75	78
Currency	INR	INR	INR
Amount of Loan sanctioned (In Lakh)	2,50,000	3,00,000	2,00,000
Amount of Gross Loan drawn	2,50,000	3,00,000	2,00,000
Interest Type	Fixed	Fixed	Fixed
Fixed Interest Rate, if applicable	6.43%	6.69%	7.44%
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 (In Years)	10	10	10
Moratorium effective from*	27-01-2021	13-09-2021	25-08-2022
Repayment Period	Bullet Repayment	Bullet Repayment	Bullet Repayment
Repayment effective from	27-01-2031	13-09-2031	25-08-2032
Repayment Frequency	Bullet Repayment	Bullet Repayment	Bullet Repayment
Repayment Instalment (In Lakh)	2,50,000	3,00,000	2,00,000
Base Exchange Rate	N/A	N/A	N/A
Door to Door Maturity (In Years)	10	10	10

Name of the Projects	73	75	78
TALCHER R&M	500.00		
TSTPP R&M		640.00	700.00
TOTAL	2,50,000.00	3,00,000.00	2,00,000.00

KFW ESP Loan

Particulars			
Source of Loan	KFW ESP I	KfW ESP II	KfW ESP IX
Drawal	50,00,000.00	70,00,000.00	1,00,00,000.00
Currency	EUR	EUR	EUR
Amount of loan sanctioned			
Amount of Gross Loan drawn upto 31.03.2019			
Interest Type	Fixed	Fixed	Fixed
Fixed Interest Rate, if applicable	3.19%	3.19%	3.19%
Base Rate, if floating interest	-	-	-
Margin, if floating interest rate	-	-	-
Are there any Caps / Floor	NO	NO	NO
If above is Yes, specify Caps / Floor	-	-	-
Moratorium Period	4 Years 2½ Months	4 Years 2½ Months	4 Years 2½ Months
Moratorium effective from			
Repayment period	Repayment in 8 Years (16 semi-	Repayment in 8 Years (16 semi-	Repayment in 8 Years (16 semi-
Repayment effective from	15.09.2017	15.09.2017	15.09.2017
Repayment frequency			
Repayment installment			
Base Exchange Rate (31.03.2019)			
Are foreign currency loan hedged			
If above is Yes, specify details	NO	NO	NO
Drawal Date	10.12.13	14.02.14	17.08.15
Drawal Exchange Rate	83.97569	85.01401	72.34003
Name of the Projects			
Anantpur Solar			
Farakka ESP			12.19552%
Korba STPS- ESP	76.00000%	37.34753%	10.57396%
Rihand-I ESP			22.65206%
Singrauli I & II ESP			41.60665%
Talcher STPP-I-ESP	24.00000%	18.91575%	2.82990%
TTPS -II ESP		5.49912%	0.49892%
Unchahar-I ESP			4.83787%
VSTPP I & II ESP		38.23760%	4.80512%
Total	100.00000%	100.00000%	100.00000%

Bank Loan	Interest Rate	Applicable from	Applicable upto
HDFC Bank Limited	7.95%	01-Jun-23	31-Mar-24
HDFC Bank Limited	7.95%	01-Jun-23	31-Mar-24
HDFC-IX	7.95%	01-Jun-23	31-Mar-24
HDFC-X	7.95%	01-Jun-23	31-Mar-24
State Bank of India	8.20%	14-Feb-24	31-Mar-24
State Bank of India	8.20%	14-Feb-24	31-Mar-24
Axis Bank-IV	8.00%	01-Apr-23	31-Mar-24

PART-J FORM- 9A Summary									
Name of the Petitioner		NTPC Ltd.							
Name of the Generating Station		TSTPS-II							
COD		1-Aug-05							
For Financial Year		2019-24 (Summary)							
Sl. No.	Head of Work /Equipment	ACE Claimed Cash Basis					Justification	Admitted Cost by the Commission, if any	Rs. Lakhs
		2024-25	2025-26	2026-27	2027-28	2028-29			
1	2	3	4	5	6	7	9	10	
Works under Original scope, Change in Law etc. eligible for RoE at Normal Rate									
1	Ash dyke/ash handling related works	500	500.00	500.00	500.00	500.00	Refer to Form-9A of individual Financial Year		
Sub total (A)		500.00	500.00	500.00	500.00	500.00			
Return on Equity (@ SBI MCLR plus 350 BP)									
	Cold fog dust suppression (CFDS)	0.00	0.00	201.00	0.00	0.00	Refer to Form-9A of individual Financial Year		
Sub Total(B)		0.0	0.0	201.0	0.0	0.0			
Total Add Cap Claimed for Tariff		500.00	500.00	701.00	500.00	500.00			

Yash Videsh, Statement of Additional Capitalization after CDD

Name of the Generating Station		Name of the Performer		Name of the Generating Station		Name of the Performer				
CDD		CDD		Talsar Super Thermal Power Station, Stage-II		NTPC Ltd				
01.08.2008		01.08.2008		2024-25		2024-25				
Sl. No.	Head of Work / Equipment	Accrual basis (Ind AS Adj.) as per ICDAP	Accrual basis (Ind AS Adj.) as per ICDAP	Liability included in col. 3	Up-discharged liability included in col. 3	ACE Claimed (Actual for 2024-25)		Regulation # under which claimed	Justification	Admitted Cost by the Commission, if any
						Cash basis	IDC included in col. 3			
1	2	3A	3B = 3A+4A	4	5 = (3B-4)	6	7			9
A Works under Original scope, Change in Law, etc. eligible for RoE at Normal Rate										
1	Ash @/Ash handling related works	500.00	0.00	500.00	0.00	500.00	0.00	25(1)(b) 425(1)(a)	In order to create extra space in the existing dyke, MIT Rourkela was engaged as consultant for examining the feasibility of enhancement of dyke capacity. The consent to operate order by SPCB dtd 20.03.2023 in '2' section attached as Annexure A17 mandates NTPC to augment Ash pond capacity for future storage. As the ultimate final raising (up to 7th raising) has already been exhausted, in both the lagoons of Stage-1, to accommodate the excess ash production as well as to strengthen the ash dyke, buttressing work, as per recommendation of the consultant was taken up. The works of Lagoon-2 could not be started in time due to delay in finalising of expert advice report for carrying out these works. The works of buttressing / strengthening of Lagoon-1 & II were projected and carried out in 2019-24. Further there were much litigation from the local villagers which led to delay. The balance strengthening / buttressing works of Lagoon-1 & II are now projected for capitalization in 2024-28. It is further submitted that ash generation is a continuous phenomenon and its utilization is often dictated by market demands, seasons, project location etc. Hence augmentation of space along with strengthening is critical for safety of ash dykes. Ash dyke space is required for ash disposal as non disposal of ash can lead to long term outages. Secondly Ash dyke strengthening is very critical regarding safety of nearby villages and locals. There have been incidents in this country in the past of dyke collapse leading to fatal accidents of villagers. Such incidents can lead to IR issues, violent protests and station outage. Any such situation is not in the larger interest of the nation and hence the petitioner pleads to allow the same in 25(1)(b) and 25(1)(a) under 2019 Tariff regulations.	
Sub Total (A)		500.00	0.00	500.00	0.00	500.00	0.00			
B Return on Equity @ SBI MCLR plus 350 BPS										
Sub Total (B)		0.00	0.00	0.00	0.00	0.00	0.00			
Total Add Cap claimed(A+B)		500.00	0.00	500.00	0.00	500.00	0.00			

Year wise Statement of Additional Capitalisation after COD

Name of the Petitioner		NTPC Ltd						PART-I		
Name of the Generating Station		Talcher Super Thermal Power Station-II						FORM- 9A		
Station COD		01.08.2005						Amount in Rs. Lakhs		
For Financial Year		2025-26								
Sl. No.	Head of Work /Equipment	Accrual basis as per Note 2	Ind AS Adj.	Accrual basis as per IGAAP	Un-discharged Liability	Cash basis	IDC Included in col. 3	Regulations under which	Justification	Admitted Cost by the Commission, if any
A Works under Original scope, Change in Law etc. eligible for RoE at Normal Rate										
1	Ash dykerash handling related works	500.00	0.00	500.00		500.00		25(1)(b) & 25(1)(e)	Plz refer to justification in SI No A1 in Form 9A (2024-25)	
	Sub Total(A)	500.00	-	500.00	-	500.00				
B Return on Equity (@ SBI MCLR plus 350 BP)										
	Sub Total(B)	0.00	0.00	0.00	0.00	0.00				
	Total ADD Cap claimed(A+B)	500.00	-	500.00	-	500.00				

Year-wise Statement of Additional Capitalisation after COD

Name of the Petitioner		NTPC Ltd		PART-J					
Name of the Generating Station		Talcher Super Thermal Power Station-II		FORM-9A					
Station COD		01.08.2005		Amount in Rs. Lakhs					
For Financial Year		2026-27							
		ACE Claimed (Projected for 2026-27)							
Sl. No.	Head of Work/Equipment	Accrual basis as per Note 2	Ind AS Adj.	Un-discharged Liability	Cash basis	IDC included in col. 3	Regulations under sub-sec.	Justification	Admitted Cost by the Commission, if any
A Works under Original scope, Change in Law etc., eligible for RoE at Normal Rate									
1	Ash dyke/ash handling related works	500.00	0.00	0.00	500.00		25(1)(b) & 25(1)(e)	Plz refer to justification in Sl No. A1 in Form 9A (2024-25)	
	Sub Total (A)	500.00	0.00	0.00	500.00				
B Return on Equity (@ SBI MCLR plus 350 BPs)									
2	Cold fog dust suppresion (CFDS)	201	0	0	201		26(1)(b)	Vidit Consent order 4121, 20.03.2023 attached as Annexure A'1, under special condition F-12, State Pollution Control Board directed to install water spray system in dust prone area. Hence installation of CFDS is to be done for control of fugitive dust inside Crusher House. This will help in providing a safe working environment to the worker working in that area. It will also improve the healthiness of equipment thus reliability of system.	
	Sub Total(B)	201.00	0.00	0.00	201.00				
	Total ADD Cap claimed(A+B)	701.00	0.00	0.00	701.00				

Year wise Statement of Additional Capitalisation after COD

Annexure
e- A
Amount in Rs.

Name of the Petitioner		NTPC Ltd						PART-I		
Name of the Generating Station		Talcher Super Thermal Power Station-II						FORM- 9A		
Station COD		01.08.2005						Amount in Rs. Lakhs		
For Financial Year		2027-28								
Sl. No.	Head of Work /Equipment	Accrual basis as per Note 2	Ind AS Adj.	ACE Claimed (Projected for 2027-28)	Un-discharged Liability	Cash basis	IDC Included in col. 3	Regulations under which	Justification	Admitted Cost by the Commission, if any
A Works under Original scope, Change in Law etc. eligible for RoE at Normal Rate										
1	Ash dyke/ash handling related works	500.000	0.000	500.000	0.000	500.000		25(1)(b) & 25(1)(e)	Plz refer to justification in SI No A1 in Form 9A (2025-26)	
	Sub Total (A)	500.000	0.000	500.000	0.000	500.000				
B Return on Equity (@ SBI MCLR plus 350 BP)										
	Sub Total (B)	0.00	0.00	0.00	0.00	0.00				
	Total ADD Cap claimed(A+B)	500.00	0.00	500.00	0.00	500.00				

Year wise Statement of Additional Capitalisation after COD										PART-I				
Name of the Petitioner		NTPC Ltd								FORM- 9A				
Name of the Generating Station		Talcher Super Thermal Power Station-II								Amount in Rs. Lakhs				
Station COD		01.08.2005												
For Financial Year		2028-29												
ACE Claimed (Projected for 2028-29)														
Sl. No.	Head of Work/Equipment	Accrual basis as per Note 2	Ind AS Adj.	3A	3B = 3+3A	Un-discharged Liability	4	Cash basis	5 = (3B-4)	IDC included in col. 3	6	Regulations under which claimed	Justification	Admitted Cost by the Commission, if any
A Works under Original scope, Change in Law etc. eligible for RoE at Normal Rate														
1	Ash dyke/ash handling related works	500.000	0.000	0.000	500.000	0.000	0.000	500.000	0.000	500.000		25(1)(b) & 25(1)(e)	Plz refer to justification in SI No A1 in Form 9A (2025-26)	
	Sub Total (A)	500.00	0.00	0.00	500.00	0.00	0.00	500.00	0.00	500.00				
B Return on Equity (@ SBI MCLR plus 350 BP)														
	Sub Total (B)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00				
	Total ADD Cap claimed (A+B)	500.00	0.00	0.00	500.00	0.00	0.00	500.00	0.00	500.00				

Name of the Petitioner	NTPC Limited										
Name of the Generating Station	TALCHER SUPER THERMAL POWER STATION, ST-I										
Date of Commercial Operation	01-07-1997										

Financial Year (Starting from COD) ¹	Actual						Amount in Rs Lakh Admitted				
	2024-25	2025-26	2026-27	2027-28	2028-29	2029-30	2026-27	2025-26	2024-25	2027-28	2028-29
1		3	4	5	6	7	8	9	10	11	

Amount capitalised in Work/ Equipment

Financing Details	
Loan-1	
Loan-2	
Loan-3 and so on	
Total Loan2	
Equity Internal Resources	
Others (Pl. specify)	
Total	

Add cap is proposed to be finance in Debt:Equity ratio of 70:30

Statement of Depreciation

Name of the Company : NTPC Limited
Name of the Power Station : TALCHER SUPER THERMAL POWER STATION, ST-I

(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	2,79,999.66	2,80,901.96	2,80,901.96	2,80,901.96	2,80,901.96	2,80,901.96
2	Closing Capital Cost	2,80,901.96	2,80,901.96	2,80,901.96	2,80,901.96	2,80,901.96	2,80,901.96
3	Average Capital Cost	2,80,450.76	2,80,901.96	2,80,901.96	2,80,901.96	2,80,901.96	2,80,901.96
1a	*Cost of IT Equipments & Software included in (1) abo	341.63	361.44	361.44	361.44	361.44	361.44
2a	*Cost of IT Equipments & Software included in (2) abo	361.44	361.44	361.44	361.44	361.44	361.44
3a	*Average Cost of IT Equipments & Software	361.54	361.44	361.44	361.44	361.44	361.44
4	Freehold land	2,831.54	2,831.54	2,831.54	2,831.54	2,831.54	2,831.54
5	Rate of depreciation	-	-	-	-	-	-
6	Depreciable value	2,49,892.46	2,50,299.52	2,50,299.52	2,50,299.52	2,50,299.52	2,50,299.52
7	Balance useful life at the beginning of the period	-	-	-	-	-	-
8	Remaining depreciable value	2,247.52	779.54	-	-	-	-
9	Depreciation (for the period)	2,247.52	779.54	-	-	-	-
10	Depreciation (annualised)	2,247.52	779.54	-	-	-	-
11	Cumulative depreciation at the end of the period	2,49,892.46	2,50,299.52	2,50,299.52	2,50,299.52	2,50,299.52	2,50,299.52
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	372.47	-	-	-	-	-
15	Net Cumulative depreciation at the end of the period after adjustments	2,49,519.98	2,50,299.52	2,50,299.52	2,50,299.52	2,50,299.52	2,50,299.52
B. For New Assets (proposed in 2024-29 period)							
16	Opening capital cost	-	-	500.00	1,000.00	1,701.00	2,201.00
17	Additional capital expenditure	-	500.00	500.00	701.00	500.00	500.00
18	Closing capital cost	-	500.00	1,000.00	1,701.00	2,201.00	2,701.00
19	Average capital cost	-	250.00	750.00	1,350.50	1,951.00	2,451.00
20	Freehold land	-	-	-	-	-	-
21	Depreciable Value	-	225.00	675.00	1,215.45	1,755.90	2,205.90
22	Cumulative depreciation at the beginning of the year	-	-	28.15	120.70	303.46	594.53
23	Balance depreciable value	-	225.00	646.84	1,094.75	1,452.44	1,611.37
24	Balance useful life at the beginning of the year	-	7.99	6.99	5.99	4.99	3.99
25	Depreciation Rate	-	-	-	-	-	-
26	Depreciation for the year	-	28.16	92.64	182.76	291.07	403.65
27	Cu. depreciation adjustment on account of de-capitalisation	-	-	-	-	-	-
28	Cu. Depreciation at end of the year	-	28.16	120.70	303.46	594.53	998.38
C. For total Assets (A+B)							
29	Opening capital cost	2,79,999.66	2,80,901.96	2,81,401.96	2,81,901.96	2,82,602.96	2,83,102.96
30	Additional capital expenditure	-	500.00	500.00	701.00	500.00	500.00
31	Closing capital cost	2,80,901.96	2,81,401.96	2,81,901.96	2,82,602.96	2,83,102.96	2,83,602.96
32	Average capital cost	2,81,151.96	2,81,651.96	2,82,252.46	2,82,852.96	2,83,352.96	2,83,852.96
33	Freehold land	2,831.54	2,831.54	2,831.54	2,831.54	2,831.54	2,831.54
34	Depreciable Value	2,50,524.52	2,50,974.52	2,51,514.97	2,52,055.42	2,52,595.42	2,53,135.42
35	Cumulative depreciation at the beginning of the year	2,49,519.98	2,50,327.68	2,50,420.22	2,50,602.99	2,50,894.06	2,51,185.13
36	Balance depreciable value	1,004.54	646.84	1,094.75	1,452.44	1,611.37	1,611.37
37	Balance operational life at the beginning of the year	-	7.99	6.99	5.99	4.99	3.99
38	Depreciation Rate	-	-	-	-	-	-
39	Depreciation for the year	-	807.70	92.64	182.76	291.07	403.65
40	Cu. depreciation adjustment on account of de-capitalisation	-	-	-	-	-	-
41	Cu. Depreciation at end of the year	-	2,50,327.68	2,50,420.22	2,50,602.99	2,50,894.06	2,51,185.13

PART-I
FORM-13

Name of the Company		NTPC Limited				
Name of the Power Station		Talcher-I				
		(Amount in lacs)				
Sl. no.	Particulars	2024-25	2025-26	2026-27	2027-28	2028-29
Bond series 54 Repayment Starting from 25.03.2023 3 installments						
	Gross loan - Opening	1600.00	1600.00	1600.00	1600.00	1600.00
	Cumulative repayments of Loans upto previous	960.00	1600.00	1600.00	1600.00	1600.00
	Net loan - Opening	640.00	0.00	0.00	0.00	0.00
	Increase/ Decrease due to FERV					
	Increase/ Decrease due to ACE					
	Total	640.00	0.00	0.00	0.00	0.00
	Less: Repayment (s) of Loans during the year	640.00	0.00	0.00	0.00	0.00
	Net loan - Closing	0.00	0.00	0.00	0.00	0.00
	Average Net Loan	320.00	0.00	0.00	0.00	0.00
	Rate of Interest on Loan	8.5200%	0.0000%	0.0000%	0.0000%	0.0000%
	Interest on loan	27.26	0.00	0.00	0.00	0.00
Bond series 57 Bullet Repayment on 15.12.2025						
	Gross loan - Opening	1000.00	1000.00	1000.00	1000.00	1000.00
	Cumulative repayments of Loans upto previous	0.00	0.00	1000.00	1000.00	1000.00
	Net loan - Opening	1000.00	1000.00	0.00	0.00	0.00
	Increase/ Decrease due to FERV					
	Increase/ Decrease due to ACE					
	Total	1000.00	1000.00	0.00	0.00	0.00
	Less: Repayment (s) of Loans during the year	0.00	1000.00	0.00	0.00	0.00
	Net loan - Closing	1000.00	0.00	0.00	0.00	0.00
	Average Net Loan	1000.00	500.00	0.00	0.00	0.00
	Rate of Interest on Loan	8.2200%	8.2200%	0.0000%	0.0000%	0.0000%
	Interest on loan	82.20	41.10	0.00	0.00	0.00
Bond series 73						
	Gross loan - Opening	500.00	500.00	500.00	500.00	500.00
	Cumulative repayments of Loans upto previous	0.00	0.00	0.00	0.00	0.00
	Net loan - Opening	500.00	500.00	500.00	500.00	500.00
	Increase/ Decrease due to FERV					
	Increase/ Decrease due to ACE					
	Total	500.00	500.00	500.00	500.00	500.00
	Less: Repayment (s) of Loans during the year	0.00	0.00	0.00	0.00	0.00
	Net loan - Closing	500.00	500.00	500.00	500.00	500.00
	Average Net Loan	500.00	500.00	500.00	500.00	500.00
	Rate of Interest on Loan	6.4600%	6.4600%	6.4600%	6.4600%	6.4600%
	Interest on loan	32.30	32.30	32.30	32.30	32.30

Bond series 75					
Gross loan - Opening	640.00	640.00	640.00	640.00	640.00
Cumulative repayments of Loans upto previous	0.00	0.00	0.00	0.00	0.00
Net loan - Opening	640.00	640.00	640.00	640.00	640.00
Increase/ Decrease due to FERV					
Increase/ Decrease due to ACE					
Total	640.00	640.00	640.00	640.00	640.00
Less: Repayment (s) of Loans during the year	0.00	0.00	0.00	0.00	0.00
Net loan - Closing	640.00	640.00	640.00	640.00	640.00
Average Net Loan	640.00	640.00	640.00	640.00	640.00
Rate of Interest on Loan	6.7200%	6.7200%	6.7200%	6.7200%	6.7200%
Interest on loan	43.01	43.01	43.01	43.01	43.01
Bond series 78					
Gross loan - Opening	700.00	700.00	700.00	700.00	700.00
Cumulative repayments of Loans upto previous	0.00	0.00	0.00	0.00	0.00
Net loan - Opening	700.00	700.00	700.00	700.00	700.00
Increase/ Decrease due to FERV					
Increase/ Decrease due to ACE					
Total	700.00	700.00	700.00	700.00	700.00
Less: Repayment (s) of Loans during the year	0.00	0.00	0.00	0.00	0.00
Net loan - Closing	700.00	700.00	700.00	700.00	700.00
Average Net Loan	700.00	700.00	700.00	700.00	700.00
Rate of Interest on Loan	7.4700%	7.4700%	7.4700%	7.4700%	7.4700%
Interest on loan	52.29	52.29	52.29	52.29	52.29
SBI IX D9 Repayment in 9 yearly Installments from 31.03.2021					
Gross loan - Opening	4000.00	4000.00	4000.00	4000.00	4000.00
Cumulative repayments of Loans upto previous	1333.33	2222.22	2666.67	3111.11	3555.56
Net loan - Opening	2666.67	1777.78	1333.33	888.89	444.44
Increase/ Decrease due to FERV					
Increase/ Decrease due to ACE					
Total	2666.67	1777.78	1333.33	888.89	444.44
Less: Repayment (s) of Loans during the year	888.89	444.44	444.44	444.44	444.44
Net loan - Closing	1777.78	1333.33	888.89	444.44	0.00
Average Net Loan	2222.22	1555.56	1111.11	666.67	222.22
Rate of Interest on Loan	8.2000%	8.2000%	8.2000%	8.2000%	8.2000%
Interest on loan	182.22	127.56	91.11	54.67	18.22
SBI VIII D1 Repayment in 9 yearly Installments from 31.01.2022					
Gross loan - Opening	4000.00	4000.00	4000.00	4000.00	4000.00
Cumulative repayments of Loans upto previous	1333.33	1777.78	2222.22	2666.67	3111.11
Net loan - Opening	2666.67	2222.22	1777.78	1333.33	888.89
Increase/ Decrease due to FERV					
Increase/ Decrease due to ACE					
Total	2666.67	2222.22	1777.78	1333.33	888.89
Less: Repayment (s) of Loans during the year	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 on Loan	8.2000%	8.2000%	8.2000%	8.2000%	8.2000%
Interest on loan	200.44	164.00	127.56	91.11	54.67
SBI VIII D18 Repayment in 9 yearly Installments from 31.01.2022					
Gross loan - Opening	2100.00	2100.00	2100.00	2100.00	2100.00
Cumulative repayments of Loans upto previous	700.00	933.33	1166.67	1400.00	1633.33
Net loan - Opening	1400.00	1166.67	933.33	700.00	466.67
Increase/ Decrease due to FERV					
Increase/ Decrease due to ACE					
Total	1400.00	1166.67	933.33	700.00	466.67
Less: Repayment (s) of Loans during the year	233.33	233.33	233.33	233.33	233.33
Net loan - Closing	1166.67	933.33	700.00	466.67	233.33
Average Net Loan	1283.33	1050.00	816.67	583.33	350.00
Rate of Interest on Loan	8.2000%	8.2000%	8.2000%	8.2000%	8.2000%
Interest on loan	105.23	86.10	66.97	47.83	28.70
HDFC IV D4 Repayment in 9 yearly Installments from 17.04.2021					
Gross loan - Opening	9000.00	9000.00	9000.00	9000.00	9000.00
Cumulative repayments of Loans upto previous	3000.00	4000.00	5000.00	6000.00	7000.00
Net loan - Opening	6000.00	5000.00	4000.00	3000.00	2000.00
Increase/ Decrease due to FERV					
Increase/ Decrease due to ACE					
Total	6000.00	5000.00	4000.00	3000.00	2000.00
Less: Repayment (s) of Loans during the year	1000.00	1000.00	1000.00	1000.00	1000.00
Net loan - Closing	5000.00	4000.00	3000.00	2000.00	1000.00
Average Net Loan	5500.00	4500.00	3500.00	2500.00	1500.00
Rate of Interest on Loan	7.9500%	7.9500%	7.9500%	7.9500%	7.9500%
Interest on loan	437.25	357.75	278.25	198.75	119.25
HDFC VII					
Gross loan - Opening	1000.00	1000.00	1000.00	1000.00	1000.00
Cumulative repayments of Loans upto previous	0.00	0.00	0.00	111.11	222.22
Net loan - Opening	1000.00	1000.00	1000.00	888.89	777.78
Increase/ Decrease due to FERV					
Increase/ Decrease due to ACE					
Total	1000.00	1000.00	1000.00	888.89	777.78
Less: Repayment (s) of Loans during the year	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 on Loan	7.9500%	7.9500%	7.9500%	7.9500%	7.9500%
Interest on loan	79.50	79.50	75.08	66.25	57.42
HDFC IX					
Gross loan - Opening	1150.00	1150.00	1150.00	1150.00	1150.00
Cumulative repayments of Loans upto previous	0.00	95.83	191.67	287.50	383.33
Net loan - Opening	1150.00	1054.17	958.33	862.50	766.67
Increase/ Decrease due to FERV					
Increase/ Decrease due to ACE					
Total	1150.00	1054.17	958.33	862.50	766.67

Less: Repayment (s) of Loans during the year	95.83	95.83	95.83	95.83	95.83
Net loan - Closing	1054.17	958.33	862.50	766.67	670.83
Average Net Loan	1102.08	1006.25	910.42	814.58	718.75
Rate of Interest on Loan	7.9500%	7.9500%	7.9500%	7.9500%	7.9500%
Interest on loan	87.62	80.00	72.38	64.76	57.14
HDFC X					
Gross loan - Opening	1000.00	1000.00	1000.00	1000.00	1000.00
Cumulative repayments of Loans upto previous	0.00	83.33	166.67	250.00	333.33
Net loan - Opening	1000.00	916.67	833.33	750.00	666.67
Increase/ Decrease due to FERV					
Increase/ Decrease due to ACE					
Total	1000.00	916.67	833.33	750.00	666.67
Less: Repayment (s) of Loans during the year	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 on Loan	7.9500%	7.9500%	7.9500%	7.9500%	7.9500%
Interest on loan	76.19	69.56	62.94	56.31	49.69
Axis II (Refinanced by Axis IV)					
Gross loan - Opening	800.00	800.00	800.00	800.00	800.00
Cumulative repayments of Loans upto previous	800.00	800.00	800.00	800.00	800.00
Net loan - Opening	0.00	0.00	0.00	0.00	0.00
Increase/ Decrease due to FERV					
Increase/ Decrease due to ACE					
Total	0.00	0.00	0.00	0.00	0.00
Less: Repayment (s) of Loans during the year	0.00	0.00	0.00	0.00	0.00
Net loan - Closing	0.00	0.00	0.00	0.00	0.00
Average Net Loan	0.00	0.00	0.00	0.00	0.00
Rate of Interest on Loan	0.0000%	0.0000%	0.0000%	0.0000%	0.0000%
Interest on loan	0.00	0.00	0.00	0.00	0.00
Axis IV (Refinancing of Axis II)					
Gross loan - Opening	800.00	800.00	800.00	800.00	800.00
Cumulative repayments of Loans upto previous	80.00	160.00	240.00	320.00	400.00
Net loan - Opening	720.00	640.00	560.00	480.00	400.00
Increase/ Decrease due to FERV					
Increase/ Decrease due to ACE					
Total	720.00	640.00	560.00	480.00	400.00
Less: Repayment (s) of Loans during the year	80.00	80.00	80.00	80.00	80.00
Net loan - Closing	640.00	560.00	480.00	400.00	320.00
Average Net Loan	680.00	600.00	520.00	440.00	360.00
Rate of Interest on Loan	8.1500%	8.1500%	8.1500%	8.1500%	8.1500%
Interest on loan	55.42	48.90	42.38	35.86	29.34
KFW ESP D1 Repayment in 16 Semi-Annual Installment from 15.09.2017					
Gross loan - Opening	503.86	503.86	503.86	503.86	503.86
Cumulative repayments of Loans upto previous	440.87	503.86	503.86	503.86	503.86
Net loan - Opening	62.98	0.00	0.00	0.00	0.00
Increase/ Decrease due to FERV					

Increase/ Decrease due to ACE					
Total	62.98	0.00	0.00	0.00	0.00
Less: Repayment (s) of Loans during the year	62.98	0.00	0.00	0.00	0.00
Net loan - Closing	0.00	0.00	0.00	0.00	0.00
Average Net Loan	31.49	0.00	0.00	0.00	0.00
Rate of Interest on Loan	3.1900%	0.0000%	0.0000%	0.0000%	0.0000%
Interest on loan	1.00	0.00	0.00	0.00	0.00
KFW ESP D2 Repayment in 16 Semi-Annual Installment from 15.09.2017					
Gross loan - Opening	562.84	562.84	562.84	562.84	562.84
Cumulative repayments of Loans upto previous	492.49	562.84	562.84	562.84	562.84
Net loan - Opening	70.36	0.00	0.00	0.00	0.00
Increase/ Decrease due to FERV					
Increase/ Decrease due to ACE					
Total	70.36	0.00	0.00	0.00	0.00
Less: Repayment (s) of Loans during the year	70.36	0.00	0.00	0.00	0.00
Net loan - Closing	0.00	0.00	0.00	0.00	0.00
Average Net Loan	35.18	0.00	0.00	0.00	0.00
Rate of Interest on Loan	3.1900%	0.0000%	0.0000%	0.0000%	0.0000%
Interest on loan	1.12	0.00	0.00	0.00	0.00
KFW ESP D9 Repayment in 16 Semi-Annual Installment from 15.09.2017					
Gross loan - Opening	204.72	204.72	204.72	204.72	204.72
Cumulative repayments of Loans upto previous	179.13	204.72	204.72	204.72	204.72
Net loan - Opening	25.59	0.00	0.00	0.00	0.00
Increase/ Decrease due to FERV					
Increase/ Decrease due to ACE					
Total	25.59	0.00	0.00	0.00	0.00
Less: Repayment (s) of Loans during the year	25.59	0.00	0.00	0.00	0.00
Net loan - Closing	0.00	0.00	0.00	0.00	0.00
Average Net Loan	12.80	0.00	0.00	0.00	0.00
Rate of Interest on Loan	3.1900%	0.0000%	0.0000%	0.0000%	0.0000%
Interest on loan	0.41	0.00	0.00	0.00	0.00
Total					
Gross loan - Opening	29561.42	29561.42	29561.42	29561.42	29561.42
Cumulative repayments of Loans upto previous year	9319.15	12943.92	16325.30	18817.80	21310.30
Net loan - Opening	20242.26	16617.50	13236.11	10743.61	8251.11
Increase/ Decrease due to FERV	0.00	0.00	0.00	0.00	0.00
Increase/ Decrease due to ACE	0.00	0.00	0.00	0.00	0.00
Total	20242.26	16617.50	13236.11	10743.61	8251.11
Less: Repayment (s) of Loans during the year	3624.76	3381.39	2492.50	2492.50	2492.50
Net loan - Closing	16617.50	13236.11	10743.61	8251.11	5758.61
Average Net Loan	18429.88	14926.81	11989.86	9497.36	7004.86
Rate of Interest on Loan	7.9407%	7.9191%	7.8755%	7.8247%	7.7378%
Interest on loan	1463.47	1182.06	944.26	743.14	542.02

Computation of Energy Charges

Form-15B
ADDITIONAL FORM

Name of the Company	NTPC Limited
Name of the Power Station	Talcher Super Thermal Power Station - II

	2024-25	2023-26	2026-27	2027-28	2028-29
No of Days in the year	365	365	365	365	365
Sp. Oil consumption m/ktwh	0.5	0.5	0.5	0.5	0.5
Auxiliary consumption %	7.50	7.50	7.50	7.50	7.50
Heat Rate Kcal/Kwh	2,375.00	2,375.00	2,375.00	2,375.00	2,375.00
Computation of Variable Charges					
Variable Charge (Coal) p/ktwh	175.209	175.209	175.209	175.209	175.209
Variable Charge (Oil) p/ktwh	3.247	3.247	3.247	3.247	3.247
Total p/ktwh	178.456	178.456	178.456	178.456	178.456

Computation of Energy Charge

1 Rate of Energy Charge from
Sec. Fuel Oil/ Alternate Fuel
(p/ktwh) = $(Q_o) \times F_o$ (REC)
3 000

2 Heat Contribution from
SFG / Alternate Fuel (H)
= $(O_s) \times (GCV)_s$
4 998

3 Heat Contribution from coal
(H_c) = GHR - H_s
2370.00

4 Specific Primary Fuel
Consumption (Gph) = H_c / (GCV)_c
0.737

5 Rate of Energy charge from
Primary Fuel (p/ktwh) = (REC)_c
162.069

6 Rate of Energy charge of (REC)
from (p/ktwh) = $\frac{(REC)_c + (REC)_o}{(1-AUX)}$
178.456

Price of fuel from Regma-15/15A

	(Rs./MT)	2199.45	2199.45	2199.45	2199.45
Coal Cost		2199.45	2199.45	2199.45	2199.45
Oil Cost	(Rs./KL)	60062.30	60062.30	60062.30	60062.30

Computation of Fuel Expenses for Calculation of FWC:

ESO in a year	(MUs)	6887.55	6887.55	6743.92	6725.490
ESO for 40 days	(MUs)	754.800	754.800	737.040	737.040
Cost of coal for 40 Days	(Rs. Lakh)	13224.80	13224.80	12913.63	12913.63
Cost of oil for 2 months	(Rs. Lakh)	372.69	372.69	364.91	363.92
Energy Expenses for 43 days	(Rs. Lakh)	15153.58	15153.58	14797.03	14797.03

Coal	April '23	May'23	June'23	July'23	Aug'23	Sep'23	Oct'23	Nov'23	Dec'23	Jan'24	Feb'24	Mar'24	Wtd. Avg.
Wtd. Avg. Price of Coal Rs./MT	2183.45	2095.47	2501.69	2634.23	2886.69	2155.15	2203.38	2023.84	1929.82	1927.29	1890.11	2022.33	2199.43
Wtd. Avg. GCV of Coal as received kCal/kg	3287	3232	3309	3205	3113	3164	3346	3490	3437	3433	3345	3255	3301.33
Wtd. Avg. GCV of Coal as received after adjustment of 65 kcal/kg Secondary Oil	3202	3147	3224	3120	3028	3079	3261	3405	3352	3348	3260	3170	3216.33
Wtd. Avg. Price of Secondary Fuel Rs./KL	60062.27	60062.27	60062.27	60062.27	60062.27	60062.27	60062.27	60062.27	60062.27	60062.27	60062.44	60062.44	60062.50
Wtd. Avg. GCV of Secondary Fuel kCal/L	9995.00	9995.00	9995.00	9995.00	9995.00	9995.00	9995.00	9995.00	9995.00	9995.00	9995.00	9995.00	9995.00

Table of Sources and Fund for Capitalization of Emergency Changes

Name of the Company		MTCV Limited		MTCV Limited		MTCV Limited		MTCV Limited		MTCV Limited	
Name of the Project/Service		Teacher Support Thermal Power Station (Stage - II)		A-23		MTCV-23		MTCV-23		MTCV-23	
No	Month	Unit	Deposits (Other Sources)	Subtotal	Deposits (Other Sources)	Impaired	Deposits (Other Sources)	Impaired	Deposits (Other Sources)	Impaired	Total
1	Quantity of fuel	(MT)	576097.26	0.00	279428.4	0	142257.06	0	142257.06	0	4666.38
2	Value of fuel	(Rs.)	1182310483	0.00	607340916.9	0	293194199	0	293194199	0	62310931.83
3	Quantity of Coal/Lignite supplied by Coal/Lignite Company	(MT)	1233852.54	223.4	1431883.45	11008.4	1320433.62	11008.4	1320433.62	11008.4	60983.2
4	Adjustment (if any) against supplies made by Coal/Lignite Company	(MT)	-528.13	0.00	-528.13	0	-437.06	0	-437.06	0	0
5	Fuel supplied by Coal/Lignite Company (F/A)	(MT)	1233837.41	223.40	1434460.42	11008.4	1318995.54	11008.4	1318995.54	11008.4	60883.2
6	Merchandise Transport & Handling Charges (for coal/Lignite based projects)	(MT)	6731.27	0.45	7981.76	22.82	7168.67	22.82	7168.67	22.82	131.77
7	Quantity of Gas supplied (if any)	(MT)	12326505.16	222.85	1426478.66	10398.58	1312480.57	10398.58	1312480.57	10398.58	65781.43
8	Amount charges by the Coal/Lignite Company	(Rs.)	2130885352.84	38381.6721	2493839498.00	147781392.93	23629386108.89	147781392.93	23629386108.89	147781392.93	873437491.05
9	Adjustment (if any) against supplies made by Coal/Lignite Company	(Rs.)	45.84	595.89	144486513.99	-16833561.99	184837385.06	-16833561.99	184837385.06	-16833561.99	-1.81
10	Rolling charges (for coal/Lignite based projects)	(Rs.)	2635452.84	0.00	5162354.24	0.00	157066148.59	0.00	157066148.59	0.00	131064.84
11	Total amount charged (10+9+1)	(Rs.)	2493939395.41	38466167.21	2693976634.23	146097883.94	26045209697.46	146097883.94	26045209697.46	146097883.94	857241323.26
12	Transportation charges for coal/Lignite transport	(Rs.)	137087700.95	0.00	16420734.99	0.00	1425588341.00	0.00	1425588341.00	0.00	0.00
13	Adjustment (if any) against charges made by Railways/Transport Company	(Rs.)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
14	Demerage Charges (if any)	(Rs.)	84561.95	0.00	08268.00	0.00	66483.00	0.00	66483.00	0.00	0.00
15	Cost of Gas in transportation through MTR (where applicable)	(Rs.)	26826734.07	0.00	29499833.61	0.00	50443341.44	0.00	50443341.44	0.00	0.00
16	Fuel Transportation Charge (12+13+14+15)	(Rs.)	163828873.07	0.00	193317340.60	0.00	173745209.44	0.00	173745209.44	0.00	0.00
17	Total amount charged for coal/Lignite supplied including Transportation (12+16)	(Rs.)	2176393334.49	38466167.21	2493976634.23	146097883.94	2778038206.32	146097883.94	2778038206.32	146097883.94	857241323.26
18	Transfer cost of coal/Lignite (17*(17%))	(Rs.)	2181.31	17499.84	2095.82	19288.99	2108.66	19288.99	2108.66	19288.99	131064.84
19	Blending Ratio		99.9848	0.0152	99.9848	0.0152	99.9848	0.0152	99.9848	0.0152	3.5634
20	Weighted average cost of coal or lignite (including Blending)	(Rs./MT)	2183.72	2183.72	2097.46	2097.46	3493.57	2097.46	3493.57	2097.46	3493.57
21	Weighted average cost of coal or lignite (excluding Blending)	(Rs./MT)	2183.72	2183.72	2097.46	2097.46	3493.57	2097.46	3493.57	2097.46	3493.57
22	Cost of (blending ratio) of the supplied coal stock as per Bill of fuel Receipt	(Rs./MT)	3767.00	3767.00	3767.00	3767.00	3811.00	3767.00	3811.00	3767.00	3811.00
23	Cost of Demerage Cost supplied as per Bill of Coal Company	(Rs./MT)	3747	3747	3623.00	3623.00	3794.00	3623.00	3794.00	3623.00	3794.00
24	Cost of Impaired coal or the opening stock as per Bill of coal Receipt	(Rs./MT)	0	0	0	0	5648.00	0	5648.00	0	5648.00
25	Cost of Impaired coal supplied to per Bill of Coal Company	(Rs./MT)	5848.00	5848.00	5848.00	5848.00	5848.00	5848.00	5848.00	5848.00	5848.00
26	Weighted average cost of coal or lignite (including Blending)	(Rs./MT)	3789.00	3789.00	3815.00	3815.00	3815.00	3815.00	3815.00	3815.00	3815.00
27	Weighted average Cost (if any) of the supplied coal stock as per Bill of coal Receipt	(Rs./MT)	3789.00	3789.00	3815.00	3815.00	3815.00	3815.00	3815.00	3815.00	3815.00
28	Cost of Demerage Cost of the opening stock as received in station	(Rs./MT)	3305.00	3305.00	3305.00	3305.00	3305.00	3305.00	3305.00	3305.00	3305.00
29	Cost of Demerage Cost supplied to received in station	(Rs./MT)	3278.00	3278.00	3278.00	3278.00	3278.00	3278.00	3278.00	3278.00	3278.00
30	Cost of Impaired coal or the opening stock as per Bill of coal Receipt	(Rs./MT)	0.00	0.00	0.00	0.00	4947.00	0.00	4947.00	0.00	4947.00
31	Cost of Impaired coal supplied to received in Station	(Rs./MT)	4847.00	4847.00	4847.00	4847.00	4847.00	4847.00	4847.00	4847.00	4847.00
32	Weighted average Cost (if any) of the supplied coal stock as per Bill of coal Receipt	(Rs./MT)	3287.00	3287.00	3287.00	3287.00	3287.00	3287.00	3287.00	3287.00	3287.00
33	Weighted average Cost (if any) of the supplied coal stock as per Bill of coal Receipt	(Rs./MT)	3307.00	3307.00	3307.00	3307.00	3307.00	3307.00	3307.00	3307.00	3307.00

Note: Form 15/15A of FY 2023-24 is omitted and attached as Annexure A/4

3d-23		Aug-23		Sep-23		Oct-23		Nov-	
Backlog (Other Services)	Adjusted	Backlog (Other Services)	Adjusted	Backlog (Other Services)	Adjusted	Backlog (Other Services)	Adjusted	Backlog (Other Services)	Adjusted
363772.72	26227.62	379172.95	25973.26	604755.12	2663.40	514573.94	9958.16	314255.41	974319468.34
506168099.26	342533156.62	770635460.00	329714111.77	123837232.64	3103587.77	69924171.55	50809916.93	674319468.34	
1284499.93	67970.69	1277748.78	63439.00	119328.79	28988.82	134987.26	7747.99	1512462.74	
-472.76	0.00	0.00	0.00	-433.70	0.00	0.00	0.00	-214.38	
1281937.17	67670.00	1277748.79	63439.00	1194892.06	28988.82	134987.26	7747.99	1513268.36	
6480.91	135.14	6578.65	126.96	6160.23	53.14	7171.89	15.50	8313.31	
1237446.26	67435.66	1271163.14	63322.12	1136731.85	26516.78	1332795.43	7792.43	1634655.06	
2,2171.85	118.99	2,1850.44	351.74	2,041,920.95	34,047,636.15	2,291,516,083.85	10,39,01,485.00	2,66,08,70,073.95	
20,78,10,690.98	24,50,00,000.00	24,50,00,000.00	39,42,792.00	-4,36,13,383.00		30,32,43,928.15	-4,41,70,059.00	15,00,00,000.00	
3,74,68,341.07	2,33,20,743.29	2,33,20,743.29		11,59,07,964.72		1,31,49,585.57		3,78,59,262.22	
3,46,24,92,220.75	67,46,54,080.21	2,46,53,45,094.43	80,54,79,665.89	2,11,10,89,606.72	34,84,71,616.16	2,80,89,06,994.97	6,19,31,427.00	2,76,87,29,396.17	
12,22,29,692.74	13,07,25,046.76			11,68,15,527.95		14,42,61,363.85		19,10,00,802.20	
0.00		26542.00		42681.20		0.00		0.00	
1,15,71,854.30		2,16,74,461.83		1,82,35,984.31		2,29,24,770.11		2,77,30,236.52	
13,28,81,347.94	0.00	19,25,62,946.59	0.00	13,50,12,831.26	0.00	16,72,04,832.96	0.00	21,87,33,041.72	
2,09,63,63,667.79	67,46,54,080.21	2,40,89,99,081.22	86,55,79,665.89	2,34,40,22,457.68	34,54,71,616.15	2,87,71,43,027.83	6,19,31,427.00	2,80,74,62,377.89	
3,023.42	12,892.91	2,967.76	12,898.14	1,942.82	32,816.76	3,148.77	9,666.72	2,433.84	
94,461% 3448.08	5.509%	92.798%	7.203%	98.004%	1.806%	99.225%	0.776%	100.000%	
		2823.22		3126.48		2303.39			
		2823.22		3126.46		2303.39			
3733.00		3616.00		3617.00		3812.00		2608.00	
3734.00		3617.00		3610.00		3507.00		3544.00	
		5959.00		5877.00		5874.00		5918.00	
		5905.00		5873.00		5922.00		5988.00	
		3654.86		3761.80		3339.00		3327.20	
		3854.90		3761.80		3354.00		3327.20	
3249.00		3084.00		2956.00		3126.00		3333.00	
3076.00		2919.00		2816.00		3412.00		2623.00	
		4223.00		4937.00		4963.00		4954.00	
		6977.00		4873.00		4694.00		5090.00	
3207.00		3101.08		3144.90		3346.00		3480.00	
3207.00		3101.08		3184.26		3346.00		3490.00	

Inaportitel	Dec-22		Jan-24		Feb-24		Mar-24	
	Deacete (Oblac Smetov)	Inaportitel	Deacete (Oblac Smetov)	Inaportitel	Deacete (Oblac Smetov)	Inaportitel	Deacete (Oblac Smetov)	Inaportitel
0.00	418416.06	0.00	583984.95	0.00	710864.21	0.00	759455.41	480.26
0.00	842786276.71	0.00	1687248806.71	0.00	137872512.22	0.00	1435657481.45	5918513.09
0.00	1619738.22	0.00	1418642.96	0.00	1384484.50	461.20	1443228.76	
0.00	-272.08	0.40	0.00	0.00			-1622.21	
0.00	1829527.14	0.00	1418642.96	0.00	1384484.50	461.20	1443406.95	0.00
0.00	8334.65	0.00	8411.20	0.00	7343.37	0.82	7436.78	0.00
-	16.96,192.48	-	14.16,291.26	0.00	13,47,151.19	460.26	14,36,968.37	-
0.00	28336,68,000.00	0.00	344777870.89	0.00	233849745.84	574813.00	2607378486.84	0.00
0.00			0.00	0.00	0.00	0.00	-378200.82	0.00
0.00	8,87,44,775.56		66308557.96	0.00	45347365.51	0.00	212957619.01	0.00
0.00	2,91,26,13,644.68	-	2,87,40,79,817.78	0.00	2,37,66,46,205.65	65,15,613.09	2,81,80,28,282.03	-
0.00	16,53,84,609.00		202,620,986.00	0.00	14,99,920.00	0.00	155443987.98	0.00
0.00			0.00	0.00	0.00	0.00	0.00	0.00
0.00	9174.00		0.00	0.70	0.00	0.00	86391.00	0.00
0.00	2,86,15,547.05		0.00	0.00	0.00	0.00	24933048.34	0.00
0.00	19,42,08,734.08	0.00	20,24,26,988.00	0.00	14,39,99,022.00	0.00	17,95,73,086.84	0.00
-	3,10,68,33,166.7	-	2,71,65,09,060.76	-	3,61,86,26,238.65	65,15,613.09	3,80,85,02,236.87	-
0	1,029.82	-	1,827.28	-	1,890.11	12,864.16	2,018.37	12,864.16
0.000%	100.0000%	0.0000%	100.0000%	0.0000%	100.0000%	0.0000%	99.99%	0.01%
2923.64	1929.82	1929.82	1927.39	1927.39	1890.11	1890.11	2018.37	2018.37
2923.64	1929.82	1929.82	1927.39	1927.39	1890.11	1890.11	2018.37	2018.37
	3838.00		2653	0	3667	0	2656	0
	3657.00		3672	0	3650	0	3668	0
5950.00		0.00	0	5950	0	5950	0	5950
0.00		0.00	0	0	0	5850	0	5850
3298.00	3538.00	3538.00	3337	3337	3536	3536	3265	3265
3538.00	3538.00	3538.00	3567	3567	3596	3596	3265	3265
	3490.00		3437	0	3433	0	3345	0
	3423.00		3432	0	3389	0	3207	0
4293.00		0.00	0	4298	0	4908	0	4095
0.00		0.00	0	0	0	4868	0	4868
30	3437.00		3433		3346		3265	
30	3437.00		3433		3345		3255	

Details of Secondary Fuel for Computation of Energy Charges

Name of the Company :		HFC LIMITED								
Name of the Power Station :		Folker Super Thermal Power Station @Bani - II								
Sl.No.	Month	Unit	Apr-23		May-23		Jun-23		Jul-23	
			HFO	LDO	HFO	LDO	HFO	LDO	HFO	LDO
1	Opening Stock of Oil	lit.	2931.07	4706.28	2931.07	4605.28	2931.07	1905.28	2931.07	3840.28
2	Value of Opening Stock	(Rs)	17,60,46,912.48	24,38,14,934.97	17,00,46,912.48	38,53,10,248.23	17,60,46,912.48	32,71,25,005.44	17,60,46,912.48	32,13,49,183.3
3	Quantity of Oil supplied by Oil Company	lit.	0	0	0	0.00	0	0.00	0	0
4	Adjustment (+/-) in quantity supplied made by Oil Company	lit.	0	0	0	0.00	0	0.00	0	0
5	Oil supplied by Oil Company (3+4)	lit.	0	0	0	0.00	0	0.00	0	0
6	Normative Transit & Handling Losses	lit.	0	0	0	0.00	0	0.00	0	0
7	Net Oil Supplied (5-6)	lit.	0	0	0	0.00	0	0.00	0	0
8	Amount charged by the Oil Company	(Rs)	0	0	0	0.00	0	0.00	0	0
9	Adjustment (+/-) in amount charged made by Oil Company	(Rs)	0	0	0	0.00	0	0.00	0	0
10	Handling, Sampling and such other similar charges		0	0	0	0.00	0	0.00	0	0
11	Total amount charged (8+9+10)	(Rs)	0	0	0	0.00	0	0.00	0	0
12	Transportation charges by rail / ship / road transport	(Rs)	0	0	0	0.00	0	0.00	0	0
13	Adjustment (+/-) in amount charged made by Railway/Transport Company	(Rs)	0	0	0	0.00	0	0.00	0	0
14	Demurrage Charges, if any	(Rs)	0	0	0	0.00	0	0.00	0	0
15	Total Transportation Charges (12+13+14+13)	(Rs)	0	0	0	0.00	0	0.00	0	0
16	Other Charges		0	0	0	0.00	0	0.00	0	0
17	Total amount charged for fuel supplied including Transportation (11+15+16)	(Rs)	0	0.00	0	0.00	0	0.00	0	0
18	Weighted average cost of Oil	(Rs/L)	60062.27	83678.58	60062.27	83678.58	60062.27	83678.58	60062.27	83678.58
19	Blending Ratio/Quantity		0.00	98.00	0.00	6.00	0.00	64.00	0	332
20	Weighted Average Cost of Secondary Fuel for the month	(Rs/MT)	83678.58		83678.58		83678.58		83678.58	
21	GCV of Domestic Secondary Fuel of the opening stock as per bill of Secondary Fuel Company	Kcal/Kg	9995.00	9902.00	9995.00	9902.00	9995.00	9902.00	9995.00	9902.00
22	GCV of Domestic Secondary Fuel supplied as per bill of Secondary Fuel Company	Kcal/Kg	0	0.00	NA	NA	NA	NA	0	0
23	GCV of Imported Secondary Fuel of the opening stock as per bill of Secondary Fuel Company	Kcal/Kg	NA	NA	NA	NA	NA	NA	NA	NA
24	GCV of Imported Secondary Fuel supplied as per bill of Secondary Fuel Company	Kcal/Kg	NA	NA	NA	NA	NA	NA	NA	NA
25	Weighted average GCV of Secondary Fuel as Billed	Kcal/Kg	9902		9902		9902		9995	
26	GCV of Domestic Secondary Fuel of the opening stock as received at Station	Kcal/Kg	9995.00	9902.00	9995.00	9902.00	9995.00	9902.00	9995.00	9902.00
27	GCV of Domestic Secondary Fuel supplied as received at Station	Kcal/Kg	0	0	0	0	0	0	0	0
28	GCV of Imported Secondary Fuel of opening stock as received at Station	Kcal/Kg	NA	NA	NA	NA	NA	NA	NA	NA
29	GCV of Imported Secondary Fuel of supplied as received at Station	Kcal/Kg	NA	NA	NA	NA	NA	NA	NA	NA
30	Weighted average GCV of Secondary Fuel as Received	Kcal/Kg	9902		9902		9902		9902.00	

Aug-23		Sep-23		Oct-23		Nov-23		Dec-23	
HPO	LDO	HPO	LDO	HPO	LDO	HPO	LDO	HPO	LDO
2040.07	3488.18	2040.07	2793.28	1187.07	5754.91	1187.07	5589.91	1187.07	5367.91
122531425.5	291894322.6	122531425.5	233737708.39	71298304.93	497999331.51	71298304.93	483245157.15	71298304.93	464951358.4
0	0	0	2970.63	0	0	0	0	0	0
0	0		0	0	0	0	0	0	0
0	0		2970.63	0	0	0	0	0	0
0	0		0	0	0	0	0	0	0
0	0		2970.63	0	0	0	0	0	0
0	0		264549669	0	0	0	0	0	0
0	0		0	0	0	0	0	0	0
0	0		0	0	0	0	0	0	0
0	0		264549669	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
0	0		0	0	0	0	0	0	0
0	0		0	0	0	0	0	0	0
0	0		0	0	0	0	0	0	0
0	0		0	0	0	0	0	0	0
0	0		264549669	0	0	0	0	0	0
60062.27	81678.58	60062.27	86449.54	60062.27	86449.54	60062.27	86449.54	60062.27	86449.54
0	532	0	4	0	120	0	218	0	173
81678.58		86449.54		86449.54		86449.54		86449.54	
9995	9902	9995	9902	9995	9899	9995	9899	9995	9899
0	0	0	9987	0	0	0	0	0	0
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
9902		9899		9899		9899		9899	
9995	9902	9995	9902	9995	9899	9995	9899	9995	9899
0	0		9987	0	0	0	0	0	0
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
9902		9899		9899		9899		9899	

Jan-24		Feb-24		Mar-24	
HPO	LDQ	HPO	LDQ	HPO	LDQ
1187.07	5047.91	1067.07	5029.91	0	4905.91
71291204.93	43638936.59	6699831.96	434813413.8		-424113670.68
0	0				
0	0				
0	0				
0	0				
0	0				
0	0				
0	0				
0	0				
0	0				
0	0				
0	0				
0	0				
0	0				
0	0				
0	0				
0	0				
0	0				
60062.27	36449.54	60062.44	36449.54		36449.54
0	18	0.899	0.101		1
86449.54		62727.54		86449.54	
9995	9899				
0	0				
NA	NA				
NA	NA				
9995					
9995	9899				
0	0	9995	9899		9899
NA	NA				
NA	NA				
9899		9985		9899	

Name of the Petitioner	NTPC Ltd
Name of the Generating Station	TALCHER SUPER THERMAL POWER STATION, ST-1

Statement of Capital cost
(To be given for relevant dates and year wise)

S. No.	Particulars	As on 01.04.2024		
		Accrual Basis	Un-discharged Liabilities	Cash Basis
A	a) Opening Gross Block Amount as per			
	b) Amount of IDC in A(a) above	3,12,807.68	1,551.73	3,11,255.95
	c) Amount of FC in A(a) above	841.32	-	841.32
	d) Amount of FERV in A(a) above	-	-	-
	e) Amount of Hedging Cost in A(a) above	-152.68	-	-152.68
	f) Amount of IEDC in A(a) above	-	-	-
B	a) Addition in Gross Block Amount during			
	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			
	b) Amount of IDC in C(a) above			
	c) Amount of FC in C(a) above			
	d) Amount of FERV in C(a) above			
	e) Amount of Hedging Cost in C(a) above			
	f) Amount of IEDC in C(a) above			
D	a) Deletion in Gross Block Amount during			
	b) Amount of IDC in D(a) above			
	c) Amount of FC in D(a) above			
	d) Amount of FERV in D(a) above			
	e) Amount of Hedging Cost in D(a) above			
	f) Amount of IEDC in D(a) above			
E	a) Closing Gross Block Amount as per books			
	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 I
						FORM- M
Name of the Petitioner:			NTPC Ltd			Rs. In Lakh
Name of the Generating Station:	TALCHER SUPER THERMAL POWER STATION, ST-1					
Statement of Capital Woks in Progress						
(To be given for relevant dates and year wise)						
S. No.	Particulars	As on 01.04.2024				
		Accrual Basis	Un-discharged	Cash Basis		
A	a) Opening CWIP as per books	13045.35	376.06	12669.29		
	b) Amount of IDC in A(a) above			137.28		
	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 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					
Note:						
1. Relevant date/s means date of COD of unit/s /station and financial year start date and end date						

Calculation of Interest on Normative Loan

Name of the Company :		NTPC Limited							
Name of the Power Station :		TALCHER SUPER THERMAL POWER STATION, ST-I							
		(Amount in Rs Lakh)							
S. No.	Particulars	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	1,47,662.05	1,48,293.73	1,48,643.73	1,48,993.73	1,49,484.43	1,49,834.43		
2	Cumulative repayment of Normative loan up to previous year	1,47,662.05	1,48,293.73	1,48,643.73	1,48,736.27	1,48,919.04	1,49,210.11		
3	Net Normative loan – Opening	-	0	-	257.46	565.40	624.33		
4	Add: Increase due to addition during the year / period	613.28	350.00	350.00	490.70	350.00	350.00		
5	Less: Decrease due to de-capitalisation during the year / period	-289.70	0.00	0.00	0.00	0.00	0.00		
6	Less: Decrease due to reversal during the year / period								
7	Add: Increase due to discharges during the year / period	308.11	0.00	0.00	0.00	0.00	0.00		
8	Net addition during the period *	631.68	350.00	350.00	490.70	350.00	350.00		
9	Addition in Loan due to Net add cap *	631.68	350.00	350.00	490.70	350.00	350.00		
10	Repayment of Loan	838.61	350.00	92.54	182.76	291.07	403.85		
11	Repayment adjustment on account of de capitalisation	206.93							
12	Repayment adjustment on account of discharges/reversals corresponding to un discharged liabilities deducted as on 1.4.2009								
13	Net Normative loan - Closing	0.00	0.00	257.46	565.40	624.33	570.48		
14	Average Normative loan	-	0.00	128.73	411.43	594.86	597.40		
15	Weighted average rate of interest	7.92	7.94	7.92	7.88	7.82	7.74		
16	Interest on Loan	0.00	0.00	10.19	32.40	46.55	46.23		

Calculation of Interest on Working Capital

Name of the Company :		NTPC Limited						
Name of the Power Station :		TALCHER SUPER THERMAL POWER STATION, ST-I						
		(Amount in Rs Lakh)						
S. No.	Particulars	2023-24	2024-25	2025-26	2026-27	2027-28	2028-29	
1	Cost of Coal/Lignite	13616.05	13224.80	13224.80	13224.80	12913.63	12913.63	
2	Cost of Main Secondary Fuel Oil	373.71	372.69	372.69	372.69	364.91	363.92	
3	Fuel Cost							
4	Liquid Fuel Stock							
5	O & M Expenses	2708.22	3533.26	3764.33	4017.97	4286.82	4572.85	
6	Maintenance Spares	6499.73	8479.82	9034.40	9643.13	10288.38	10974.85	
7	Receivables	22479.32	23147.81	23421.79	23833.63	23878.47	24365.28	
8	Total Working Capital	45677.02	48758.38	49818.00	51092.22	51732.20	53190.53	
9	Rate of Interest	12.00	11.90	11.90	11.90	11.90	11.90	
10	Interest on Working Capital	5481.24	5802.25	5928.34	6079.97	6156.13	6329.67	

Petitioner

Details of Projected Water Charges

Name of the Petitioner:		NTPC Ltd						
Name of the Generating Station:		Talcher Super Thermal Power Station (Stage-I)						
For Fin Year -2019-20/2020-21/2021-22/2022-23/2023-24								
S. No.	Details of Water charges (excluding water ceta)	Quantity allocated	Actual Drawl	Normative consumption at 100% PLF	Rate specified fee per govt. notification or agreement)	Spillage of water (in percentage)	Amount Claimed (Rs Lakhs)	
	Name of source and quantity: Up Streams of River Brahmani, 105 CuSec	Amount (Rs Lakhs)	CuM	(CuM)	(CuM)	Rs/ CuM		
1	2024-25	3150.50	31255006	Will be submitted at truing up	61320000	10.08	NA	3150.50
2	2025-26	3325.53	31255006		61320000	10.64		3325.53
3	2026-27	3500.56	31255006		61320000	11.20		3500.56
4	2027-28	3685.66	31340637		61488000	11.76		3685.66
5	2028-29	3850.62	31255006		61320000	12.32		3850.62

Note: The water agreement signed between NTPC and Department of water resources, Govt of Odisha, provides for payment to Govt of Odisha on allocation basis or actual basis, whichever is higher. The same is attached as Annexure A/2.

Name of the Petitioner:		NTDC Ltd														
Name of the Contracting Agency:		Tishar Super Thermal Power Station (Stage-I)														
		2005-06			2006-06			2006-07			2007-09			2008-09		
Particulars	Unit Rate	No of Units	Amount Claimed (Rs)	Unit Rate	No of Units	Amount Claimed (Rs)	Unit Rate	No of Units	Amount Claimed (Rs)	Unit Rate	No of Units	Amount Claimed (Rs)	Unit Rate	No of Units	Amount Claimed (Rs)	
Electricity Duty																
Water Cost																
Without interest at the time of being up																
(Petitioner)																

Summary of issue involved in the petition

Name of the Company :		NTPC Limited	
Name of the Power Station :		TALCHER STPS-1	
1	Petitioner:	NTPC Limited	
2	Subject	DETERMINATION OF TARIFF FOR THE PERIOD 2024-29	
3		i) Approve tariff of TALCHER STPS-1 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 quarterly on net basis. iv) Allow the recovery of pay/wage revision as additional O&M over and above the normative O&M. v) Allow Auxiliary energy consumption as 7.50 % based on high actual APC in the instant station vi) Pass any other order as it may deem fit in the circumstances mentioned above.	
4	Respondents:		
	Name of Respondents :		
1		West Bengal State Electricity Distribution Corporation Limited	
2		Bihar State Power Holding Company Limited	
3		Jharkhand Urja Vikas Nigam Limited	
4		Grid Corporation of Orissa Limited	
5		Damodar Valley Corporation	
6		The Energy and Power Department, Govt of Sikkim	
7		Assam Power Distribution Company Limited	
8		Tamil Nadu Generation and Distribution Corporation Limited	
9		Gujarat Urja Vikas Nigam Limited (GUVNL)	
5	Project Scope	(4x500) MW Super Thermal Power Station	
	COD	01.08.2005	
		(Rs Cr)	
	Claim		
	2024-25	Refer Form 9A	
	2025-26		
	2026-27		
	2027-28		
	2028-29		
	APC	Refer Form-1	
	Capital cost as on 01.04.2024	Refer Form-1(1)	
	NAPAF (Gen)	85%	
	Any Specific		

**STATE POLLUTION CONTROL BOARD, ODISHA**

[Department of Forest, Environment & Climate Change, Govt. of Odisha]

A/118, Nilakantha Nagar, Unit-VIII, Bhubaneswar-751012

Phone-2561909, Fax: 2562822, 2560955

E-mail: paribesh1@ospboard.org/ Website: www.ospboard.orgNo. 4121 / IND-I-CON-105 Dt. 20.03.2023**CONSENT ORDER**Sub : **Consent to operate under section 21 of Air (P&CP) Act, 1981, under section 25 of Water (P&CP) Act, 1974.**Ref : Your online application **ID No. 4590338, dtd. 24.12.2022**

Consent to operate is hereby granted under section 25/26 of Water (Prevention & Control of Pollution) Act, 1974 and under section 21 of Air (Prevention & Control of Pollution) Act, 1981 and rules framed thereunder to

Name of the Industry **M/s. Talcher Super Thermal Power Station, NTPC Limited**Name of the Occupier & Designation **Sri K S Sundaram, Executive Director**Address **At-Deepsikha, Dist- Angul- 759147**This consent order is valid for the period from **01.04.2023 to 31.03.2025**

This consent order is valid for the product quantity, specified outlets, discharge quantity and quality, specified chimney/stack, emission quantity and quality of emissions as specified below. This consent is granted subject to the general and special conditions stipulated therein.

A. Details of Products Manufactured

Sl.No.	Product	Quantity
01.	Electricity (Unit-I&II of Stage-I, Unit- III, IV, V, VI of Stage - II)	2x500 MW 4x500 MW

**B. Discharge permitted through the following outlet subject to the standard**

Outlet No.	Description of outlet	Point of discharge	Quantity of discharge KLD or KL/hr	Pre-scribed Standard											
01.	Industrial drain effluent	To be recycled completely													
02.	Seepage and overflow effluent of ash pond	To be recycled completely													
03.	Domestic water	Used for horticulture and plantation after treatment in STP		<table border="1"> <tr> <td>pH</td> <td>6.5-9.0</td> </tr> <tr> <td>BOD</td> <td>less than 30mg/l</td> </tr> <tr> <td>TSS</td> <td>less than 100mg/l</td> </tr> <tr> <td>Fecal Coliform (FC) (most probable number per 100 millilitre, MPN/100ml)</td> <td>less than 1000</td> </tr> </table>		pH	6.5-9.0	BOD	less than 30mg/l	TSS	less than 100mg/l	Fecal Coliform (FC) (most probable number per 100 millilitre, MPN/100ml)	less than 1000		
pH	6.5-9.0														
BOD	less than 30mg/l														
TSS	less than 100mg/l														
Fecal Coliform (FC) (most probable number per 100 millilitre, MPN/100ml)	less than 1000														

C. Emission permitted through the following stack subject to the prescribed standard

Chimney Stack No.	Description of Stack	Stack height (m)	Quantity of emission (m ³ /sec)	Prescribed Standard (mg/Nm ³)			
				PM	SO ₂	NO _x	Hg
Emission standards applicable up to 31.12.2024							
1)	Stack attached to ESPs of Unit-1 & 2	275	583	100	--	--	0.03
2)	Stack attached to ESPs of Unit- 3 & 4	275	574	100	--	--	0.03
3)	Stack attached to ESPs of Unit- 5 & 6	275	574	100	--	--	0.03
Emission standards applicable w.e.f. 01.01.2025							
1)	Stack attached to ESPs of Unit-1 & 2	275	583	100	--	600	0.03
2)	Stack attached to ESPs of Unit- 3 & 4	275	574	100	--	600	0.03
3)	Stack attached to ESPs of Unit- 5 & 6	275	574	50	--	450	0.03

**D. Disposal of solid waste permitted in the following manner**

Sl. No.	Type of Solid waste	Quantity generated (TPD)	Quantity to be reused on site (TPD)	Quantity to be reused off site (TPD)	Quantity disposed off (TPD)	Description of disposal site.
1)	Fly Ash	19,600	--	--	--	Utilization as per Fly Ash Notification. Rest to be disposed through lean slurry to own ash ponds and to de-coaled mine void of Quarry No 8, Jagannath OCP of MCL.

E. GENERAL CONDITIONS FOR ALL UNITS

1. The consent is given by the Board in consideration of the particulars given in the application. Any change or alternation or deviation made in actual practice from the particulars furnished in the application will also be the ground liable for review/variation/revocation of the consent order under section 27 of the Act of Water (Prevention & Control of Pollution) Act, 1974 and section 21 of Air (Prevention & Control of Pollution) Act, 1981 and to make such variations as deemed fit for the purpose of the Acts.
2. The industry would immediately submit revised application for consent to operate to this Board in the event of any change in the quantity and quality of raw material / and products / manufacturing process or quantity /quality of the effluent rate of emission / air pollution control equipment / system etc.
3. The applicant shall not change or alter either the quality or quantity or the rate of discharge or temperature or the route of discharge without the previous written permission of the Board.
4. The application shall comply with and carry out the directives/orders issued by the Board in this consent order and at all subsequent times without any negligence on his part. In case of non-compliance of any order/directives issued at any time and/or violation of the terms and conditions of this consent order, the applicant shall be liable for legal action as per the provisions of the Law/Act.
5. The applicant shall make an application for grant of fresh consent at least 90 days before the date of expiry of this consent order.
6. The issuance of this consent does not convey any property right in either real or personal property or any exclusive privileges nor does it authorize any injury to private property or any invasion of personal rights, nor any infringement of Central, State laws or regulation.
7. This consent does not authorize or approve the construction of any physical structure or facilities or the undertaking of any work in any natural water course.
8. The applicant shall display this consent granted to him in a prominent place for perusal of the public and inspecting officers of this Board.
9. An inspection book shall be opened and made available to Board's Officers during their visit to the factory.
10. The applicant shall furnish to the visiting officer of the Board any information regarding the construction, installation or operation of the plant or of effluent treatment system / air pollution control system / stack monitoring system any other particulars as may be pertinent to preventing and controlling pollution of Water / Air.
11. Meters must be affixed at the entrance of the water supply connection so that such meters are easily accessible for inspection and maintenance and for other purposes of the Act provided that the place where it is affixed shall in no case be at a point before which water has been tapped by the consumer for utilization for any purposes whatsoever.
12. Separate meters with necessary pipe-line for assessing the quantity of water used for each of the purposes mentioned below:
 - a) Industrial cooling, spraying in mine pits or boiler feed,
 - b) Domestic purpose
 - c) Process
13. The applicant shall display suitable caution board at the place where the effluent is entering into any water-body or any other place to be indicated by the Board, indicating therein that the area into which the effluents are being discharged is not fit for the domestic use/bathing.
14. Storm water shall not be allowed to mix with the trade and/or domestic effluent on the upstream of the terminal manholes where the flow measuring devices will be installed.
15. The applicant shall maintain good house-keeping both within the factory and the premises. All pipes, valves, sewers and drains shall be leak-proof. Floor washing shall be admitted into the effluent collection system only and shall not be allowed to find their way in storm drains or open areas.
16. The applicant shall at all times maintain in good working order and operate as efficiently as possible all treatment or control facilities or systems install or used by him to achieve with the term(s) and conditions of the consent.
17. Care should be taken to keep the anaerobic lagoons, if any, biologically active and not utilized as mere stagnation ponds. The anaerobic lagoons should be fed with the required nutrients for effective digestion. Lagoons should be constructed with sides and bottom made impervious.



18. The utilization of treated effluent on factory's own land, if any, should be completed and there should be no possibility of the effluent gaining access into any drainage channel or other water courses either directly or by overflow.
19. The effluent disposal on land, if any, should be done without creating any nuisance to the surroundings or inundation of the lands at any time.
20. If at any time the disposal of treated effluent on land becomes incomplete or unsatisfactory or create any problem or becomes a matter of dispute, the industry must adopt alternate satisfactory treatment and disposal measures.
21. The sludge generated from treatment units shall be dried in sludge drying beds and the drained liquid shall be taken to equalization tank of treatment plant.
22. The effluent treatment units and disposal measures shall become operative at the time of commencement of production.
23. The applicant shall provide port holes for sampling the emissions and access platform for carrying out stack sampling and provide electrical outlet points and other arrangements for chimneys/stacks and other sources of emissions so as to collect samples of emission by the Board or the applicant at any time in accordance with the provision of the Act or Rules made therein.
24. The applicant shall provide all facilities and render required assistance to the Board staff for collection of samples / stack monitoring / inspection.
25. The applicant shall not change or alter either the quality or quantity or rate of emission or install, replace or alter the air pollution control equipment or change the raw material or manufacturing process resulting in any change in quality and/or quantity of emissions, without the previous written permission of the Board.
26. No control equipments or chimney shall be altered or replaced or as the case may be erected or re-erected except with the previous approval of the Board.
27. The liquid effluent arising out of the operation of the air pollution control equipment shall be treated in the manner to meet the prescribed standards by the Board in accordance with the provisions of Water (Prevention and Control of Pollution) Act, 1974 (as amended).
28. The stack and ambient monitoring system installed by the applicant shall be opened for inspection to this Board at any time.
29. There shall not be any fugitive or episodal discharge from the premises.
30. In case of such episodal discharge/emissions the industry shall take immediate action to bring down the emission within the limits prescribed by the Board in conditions/stop the operation of the plant. Report of such accidental discharge /emission shall be brought to the notice of the Board within 24 hours of occurrence.
31. The applicant shall keep the premises of the industrial plant and air pollution control equipments clean and make all hoods, pipes, valves, stacks/chimneys leak proof. The air pollution control equipments, location, inspection chambers, sampling port holes shall be made easily accessible at all times.
32. Any upset condition in any of the plant/plants of the factory which is likely to result in increased effluent discharge/emission of air pollutants and / or result in violation of the standards mentioned above shall be reported to the Headquarters and Regional Office of the Board by fax / speed post within 24 hours of its occurrence.
33. The industry has to ensure that minimum three varieties of indigenous species of trees are planted at the density of not less than 1000 trees per acre. The trees may be planted along boundaries of the industries or industrial premises. This plantation is stipulated over and above the bulk plantation of trees in that area.
34. The solid waste such as sweeping, wastage packages, empty containers residues, sludge including that from air pollution control equipments collected within the premises of the industrial plants shall be disposed off scientifically to the satisfaction of the Board, so as no to cause fugitive emission, dust problems through leaching etc., of any kind.
35. All solid wastes arising in the premises shall be properly classified and disposed off to the satisfaction of the Board by :
 - i) Land fill in case of inert material, care being taken to ensure that the material does not give rise to leachate which may percolate into ground water or carried away with storm run-off.
 - ii) Controlled incineration, wherever possible in case of combustible organic material.
 - iii) Composting, in case of bio-degradable material.
36. Any toxic material shall be detoxicated if possible, otherwise be sealed in steel drums and buried in protected areas after obtaining approval of this Board in writing. The detoxication or sealing and burying shall be carried out in the presence of Board's authorized persons only. Letter of authorization shall be obtained for handling and disposal of hazardous wastes.
37. If due to any technological improvement or otherwise this Board is of opinion that all or any of the conditions referred to above requires variation (including the change of any control equipment either in whole or in part) this Board shall after giving the applicant an opportunity of being heard, vary all or any of such condition and thereupon the applicant shall be bound to comply with the conditions so varied.
38. The applicant, his/heirs/legal representatives or assignees shall have no claim whatsoever to the condition or renewal of this consent after the expiry period of this consent.
39. The Board reserves the right to review, impose additional conditions or condition, revoke change or alter the terms and conditions of this consent.
40. Notwithstanding anything contained in this conditional letter of consent, the Board hereby reserves to it the right and power under section 27(2) of the Water (Prevention & Control of Pollution) Act, 1974 to review any and/or all the conditions imposed herein above and to make such variations as deemed fit for the purpose of the Act by the Board.
41. The conditions imposed as above shall continue to be in force until revoked under section 27(2) of the Water (Prevention & Control of Pollution) Act, 1974 and section 21 A of Air (Prevention & Control of Pollution) Act, 1981.
42. The industry shall comply to all the conditions stipulated under Charter on Corporate Responsibility for Environmental Protection (CREP) guidelines in a time bound manner as envisaged there in. (if applicable)
43. The industry shall comply to the conditions stipulated in CTE order issued by ODISHA State Pollution Control Board .
44. The industry shall abide by E(P) Act, 1986 and Rules framed there-under
45. In case the consent fee is revised upward during this period, the industry shall pay the differential fees to the Board (for the remaining years) to keep the consent order in force. If they fail to pay the adequate amount within the period stipulated by the Board the consent order will be revoked without prior notice.
46. The Board reserves the right to revoke/refuse consent to operate at any time during period for which consent is granted in case any violation is observed and to modify/ stipulate additional conditions as deemed appropriate.



**GENERAL CONDITIONS FOR UNITS WITH INVESTMENT OF MORE THAN Rs 50 CRORES,
AND 17 CATEGORIES OF HIGHLY POLLUTING INDUSTRIES (RED A).**

1. The applicant shall analyse the effluent / emissions and Ambient Air Quality every month through approved laboratory for the parameters indicated in TABLE- 'B', 'C' & Part -'B' as mentioned in this order and shall furnish the report thereof to the Board on monthly basis.
2. The following information shall be forwarded to the Member Secretary on or before 10th of every month.
 - a) Performance / progress of the treatment plant.
 - b) Monthly statement of daily discharge of domestic and/or trade effluent.
3. Non-compliance with effluent limitations
 - a) If for any reason the applicant does not comply with or is unable to comply with any effluent limitations specified in this consent, the applicant shall immediately notify the consent issuing authority by telephone and provide the consent issuing authority with the following information in writing within 5 days of such notification.
 - i) Causes of non-compliance
 - ii) A description of the non-compliance discharge including its impact on the receiving waters.
 - iii) Anticipated time of continuance of non-compliance if expected to continue or if such condition has been corrected the duration or period of non-compliance.
 - iv) Steps taken by the applicant to reduce and eliminate the non-complying discharge and
 - v) Steps to be taken by the applicant too prevent the condition of non-compliance.
 - b) The applicant shall take all reasonable steps to minimize any adverse impact to natural waters resulting from non-compliance with any effluent limitation specified in this consent including such accelerated or additional monitoring as necessary to determine the nature and impact of the non-complying discharge.
 - c) Nothing in this consent shall be construed to relieve the applicant from civil or criminal penalties for non-compliance whether or not such non-compliance is due to factors beyond his control, such as break-down, electric failure, accident or natural disaster.
4. Proper housekeeping shall be maintained inside the factory premises including process areas by a dedicated team.
5. The industry must constitute a team of responsible and technically qualified personnel who will ensure continuous operation of all pollution control devices round the clock (including night hours) and should be in a position to explain the status of operation of the pollution control measures to the inspecting officers of the Board at any point of time. The name of these persons with their contact telephone numbers shall be intimated to the concerned Regional Officer and Head Office of the Board and in case of any change in the team it shall be intimated to the Board immediately.
6. The industry shall engage dedicated qualified manpower to ensure continuous and effective operation of online stack / Ambient Air Quality / Effluent monitoring stations for maintenance of database, real time data transfer to SPCB server, data analysis and co-ordination with concerned personnel of process units for taking corrective measures in case of non-compliances and to respond to the instructions of SPCB in this matter.
7. All employees of the industry including officers, staff, workers, contract workers involved in operation/maintenance/ supervision of process area, pollution control areas, raw material and waste handling areas shall undergo short term training at least twice in a year in the field of pollution control and environment protection to create awareness and develop green skill. This shall be conducted by 3rd party expert agency and report on the activities along with details and photographs shall be submitted to the Board on annual basis by end of June for previous financial year.
8. ISO auditing reports of the industry in the field of environment shall be submitted to the Board every year on annual basis.
9. The environmental cell shall be established and upgraded effectively to guide, monitor the pollution control and environmental protection activities inside the industries on day to day basis to ensure that the conditions stipulated in the consent to establish/operate order of the SPCB and conditions imposed in EC and provisions of various environmental acts and rules are complied with and the report returns, compliances are submitted to the Board in due time.
10. Adequate numbers of scientific / technical persons having qualification in environmental engineering/ environmental science from recognized institution/ university must be engaged or appointed along with other interdisciplinary qualified persons to effectively implement and monitor different areas of environment management and regulatory compliances including air pollution control, water pollution control, online monitoring, real time data transmission, management of solid waste, hazardous waste, E-waste, plastic waste etc. The Head of the environmental cell should be a senior level official, who will directly report to the plant head to ensure that environmental management is performed effectively to ensure compliance to the environmental norms on priority basis.
11. Energy consumption data of different pollution control devices like ESP/ Bag filter/ Scrubber/ Cyclone/ Gas cleaning plant/ Fume treatment plant/ ETP/STP/Flow meters (treated effluent recycling) shall be collected online on real time centralized platform/ dashboard with data storage facility and generate tamperproof monthly / periodic reports, which shall be analysed by Energy Auditor, certified by Bureau of Energy Efficiency and accordingly the Energy Management / preventive maintenance of Pollution Control equipment shall be adopted. The energy management of process and pollution control devices shall be practiced to record the progressive achievements to minimize energy consumption in order to reduce greenhouse gas emission
12. The post EIA monitoring schedule should be strictly followed for different parameters around the plant for the units is covered under EIA notification. The industry shall also conduct noise level study in the core zone and buffer zone of the industry and submit 6 monthly report to the Board.

**F. SPECIAL CONDITIONS****F1. Air Pollution Control**

1. Air pollution control measures installed at different potential dust generating points shall be operated continuously and effectively to control fugitive dust emission.
2. All the online continuous stack emission monitoring systems (CEMS) for measurement of particulate matter and gaseous pollutants shall be operated effectively & uninterruptedly and real time monitoring data so generated shall be transmitted directly to RT-DAS server of the Board without passing through any local PC or server.
3. All the online continuous ambient air quality monitoring stations (CAAQMS) shall be operated effectively and uninterruptedly and real time monitoring data so generated shall be transmitted directly to RT-DAS server of the Board without passing through any local PC or server.
4. Online monitoring system for PM, SO₂, NO_x for thermal power plants as per CPCB guideline for OCEMS August, 2018 and Standards prescribed for these parameters by MoEF & CC Dt 7.12.2015 shall be complied.
5. The industry shall ensure tampered proof real time transmission of online monitoring data to the server of CPCB and SPCB and maintain the health of the analyzers and data connectivity through valid AMC.
6. Steps shall be taken for regular monitoring of Mercury (Hg) in the stack of boilers and submit data to the Board.
7. The unit shall strictly abide to confirm the MoEF & CC Notification dtd. 05.09.2022 vide GSR 682(E) regarding extension of timeline for Emission Norms.
8. The unit shall provide low NO_x burners to reduce NO_x emission to keep the level within the prescribed standard by MoEF & CC vide Notification dtd. 07.12.2015.
9. The unit shall complete installation of Flue Gas Desulphurisation (FGD) system in prescribed time frame to keep the SO₂ level within 200 mg/Nm³ to confirm the MoEF & CC Notification dtd. 07.12.2015. This shall also include management and disposal of effluent / solid waste to be generated from FGD system.
10. The fly ash shall be pneumatically conveyed to a silo. The unit shall provide adequate dust extraction system to control dust emission in the transfer points for collection of ash to silo.
11. Appropriate measures like provision of water sprinkling or soil covering shall be made over the exposed dry surface of the ash ponds to prevent dust nuisance due to wind action. Dust suppression measures shall also be provided where construction activities are undertaken at ash pond area to prevent dust nuisance.
12. Adequate dust extraction system such as cyclone/bag filters and water spray system in dusty areas such as in coal handling and ash handling points, transfer areas and other vulnerable dusty areas shall be provided.





13. All raw material, product and waste material shall be transferred through covered vehicles without any spillage or leakages on the way, in case any accidental spillage on the road, waste shall be lifted by the industry and suitably disposed off and to be lifted by the industry and suitably disposed off in designated solid waste dumping area.
14. Ambient air quality shall conform to the National Ambient Air Quality standards as prescribed under E (P) Rules, 1986.
15. The unit shall submit fly ash utilization status to the Board annually and shall comply to the provisions of revised fly ash Notification No. SO.5481(E),dt. 31.12.2021 of MoEF & CC, Govt. of India and amendment thereof.
16. The performance evaluation of ESP, bag filter, air pollution control devices, online CEMS, AAQMS & surveillance cameras shall be conducted by an institution of National Repute (like NIT/ IIT) and annual report shall be submitted to the Board by end of June for previous financial year.
17. The digital display board installed at the main gate shall be of minimum size of 6ft x 4ft as stipulated by CPCB with provision of display of real time data online analysers (CEMS, CAAQMS & CEQMS), so that the public can visualize the actual emission and the values of parameters displayed at the gate. Outdoor LED video screens should be preferred for digital display of environmental parameters, CTO and authorization conditions and awareness clippings on environment at the main gate, colony area and process area.
18. Online analysers for measuring flow, temperature and velocity of flue gas shall be installed at the stacks and integrated with online CEMS data.
19. Online CO / Ammonia/ Chlorine and such other gas monitoring system shall be installed in every process area where such toxic gas are expected to be generated and in the plant premises along with alarm system to avoid accidental hazards due to gas leakage.
20. All Pollution control equipment may be provided with separate electricity meter and totalizer for continuous recording of power consumption. The amperage of the ID fan may also be recorded continuously. Non-functioning of Pollution control equipment should be recorded in the same logbook along with reasons for not running the Pollution Control Equipment.
21. Unloading of coal by trucks or wagons should be carried out with proper care avoiding dropping of the materials from height. It is advisable to moist the material by sprinkling water while unloading.
22. The industry shall maintain an Environmental Engineering Department in terms of manpower and infrastructure to cope with the increased workload and improved results for compliance to statutory norms. This shall be taken up on top priority. The head of the environment management cell should report to the unit Head.
23. Good housekeeping practices shall be followed to improve the work environment. All roads and shop floors shall be cleaned regularly.



24. Air compressor, DG set and turbine house should be acoustically designed and should be housed in appropriate acoustic enclosures so that the noise level outside it shall conform to the prescribed norms.
25. Care shall be taken so that ambient noise level shall conform to the standards prescribed under E(P) Act, 1986.
26. Periodical maintenance of all equipment, plant piping (including pollution control system) shall be carried out including calibration and testing.
27. A separate environmental management cell shall be formed with adequate laboratory facility and suitably qualified people to carry out various functions relating to environmental management effectively
28. The green belt of adequate width and density preferably with the local species along the periphery of the plant shall be raised so as to provide protection against particulates and noise. It must be ensured that at least 33% of the total land area shall be under permanent green cover. The proponent shall ensure the maintenance of green belt throughout the year and for all time to come. It is advised that, they may engaged professionals in this field for creation and maintenance of the green belt.
29. In case the consent fee is revised upward during this period, the industry shall pay the differential fees to the Board (for the remaining years) to keep the consent order in force. If they fail to pay the amount within the period stipulated by the Board the consent order will be revoked without prior notice.
30. The Board reserves the right to revoke/refuse consent to operate at any time during period for which consent is granted in case any violation is observed and to modify/ stipulate additional conditions as deemed appropriate.

F2 (Water Pollution Control)

1. Specific water consumption shall be limited within 3.5m³/MWh as per MoEF & CC vide Notification dtd. 07.12.2015.
2. Under no circumstances there shall be any discharge of effluent to outside the factory premises.
3. The blow down of power plant shall meet the following standards before it is discharged to the common monitoring basin and shall be reused for ash handling, dust suppression and green belt.

Boiler blow down

Suspended solids	-	100.0 mg/l(Max)
Oil & Grease	-	20.0 mg/l(Max)
Copper (Total)	-	1.0 mg/l(Max)
Iron (Total)	-	1.0 mg/l(Max)

Cooling Tower Blow down

Free available Chlorine	-	0.5 mg/l(Max)
Zinc	-	1.0 mg/l(Max)
Chromium (Total)	-	2.0 mg/l(Max)
Phosphate	-	5.0 mg/l(Max)

4. The industry shall explore to adopt chemical free automated self -maintained electrolysis system for removal of scale, corrosion, bio-film from cooling towers and



- automated tube cleaning system for heat exchangers and condensers with remote access and alarm system wherever applicable for conservation of water and energy to reduce wastewater generation and increase plant efficiency.
5. The recirculation system of ash pond shall be operated to achieve towards ZLD to prevent degradation of water quality of the nearby nallah and river Brahmani.
 6. De-siltation of settling pits and drains of the entire plant shall be carried out periodically.
 7. The performance evaluation of ETP, STP, online CEQMS & Web cameras, flow meter shall be conducted by an institution of National Repute (like NIT/ IIT) and annual report shall be submitted to the Board by end of June for previous financial year.
 8. Flow meter and level sensors with telemetry system should be installed in the bore wells as stipulated by Central Ground Water Authority/ Water Resources Department.
 9. The industry shall conduct surface run off management study and develop rain water harvesting structures and surface runoff treatment systems inside the premises.
 10. Surface runoff treatment system consisting of sedimentation through settling tanks/ ponds followed by high rate clarification through clari-floculator/ tube settlers shall be operated effectively to meet the discharge norms and shall be completely recycled during dry season/ partly discharged specially during monsoon if unavoidable.
 11. The domestic solid waste generated from colony, canteen, office complex etc. shall be processed through mechanically operated waste convertors with facility for recovery of useful products like oil/ gas/ carbon/ metal/ compost etc. The products to be used by the industry or sold and the *inorganic* residues is to be used for captive consumption/ sold/ disposed in sanitary landfill developed inside the premises.
 12. Fixed type wheel washing system shall be operated effectively in ash silo area, coal stock yard and for the material transport vehicles at the exit gates to avoid carrying dust / ash along the wheels to the nearby public roads. The wash effluent shall be treated in settling pits and clear water shall be reused.
 13. Concrete drains shall be constructed along the pipeline corridor to prevent any discharge of ash slurry to any natural stream.
 14. The pipeline corridor from the plant side up to the ash pond area shall be cleared regularly of vegetation growth.
 15. The online continuous effluent quality monitoring system (EQMS) shall be operated effectively and uninterruptedly and real time monitoring data so generated shall be transmitted directly to RT-DAS server of the Board without passing through any local PC or server.
 16. The industry shall strictly follow the guideline of CPCB for Online Continuous Effluent Monitoring Systems (OCEMS) and Guidelines for Continuous Emission Monitoring Systems for the parameters and amended from time to time.



17. The Effluent Treatment Plant (ETP) shall be operated effectively and continuously through a dedicated in house team or through continued AMC so as to confirm to the prescribed norms.
18. The seepage from all the toe drains of entire ash pond area shall be collected in settling pond of adequate capacity and entire water shall be recirculated back to the plant for ash slurry making. There shall be no direct discharge to any water body.
19. The coal settling pits shall be cleaned and made operational alternatively all the time so that no waste water from CHP area/coal yard goes to outside bypassing the settling pits.
20. The unit shall ensure that no ash containing water from the ash pond area or due to leakages from ash pipe lines shall be discharged to Tikira River. In case there is any incidental discharge, the unit shall clean up the river bed and carry out regular monitoring of river quality to the Board.
21. The safety, stability of the ash dykes study shall be carried out by experts taking all hydraulic parameters into consideration.
22. The slurry pipe lines shall be aligned suitably in the lagoon of ash pond, so that ash is distributed uniformly.
23. The unit shall recycle the effluent of coal settling pit, overflow effluent and seepage effluent of the lagoon to the maximum extent.
24. The unit shall implement recommendations in the surface runoff study report.
25. The unit shall take utmost care to cover up exposed portion of the inactive ash pond and provide water sprinkling system to reduce fugitive dust.
26. Ash pond capacity augmentation shall be done to create volume for future storage.
27. Entire wastewater from leakages blow down and DM plant shall be recirculate.
28. The unit shall provide separate settling arrangement for surface runoff from dry ash silo area.
29. The storm water drains shall be maintained separately without being mixed up with the industrial effluent or sewage effluent.
30. The unit shall obtain authorization from the Board under Rule, 9 of Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016 and condition stipulated in authorization granted by the Board.
31. The industry shall abide by E(P) Act, 1986 and Rules framed there-under.
32. In case the consent fee is revised upward during this period, the industry shall pay the differential fees to the Board (for the remaining years) to keep the consent order in force. If they fail to pay the amount within the period stipulated by the Board the consent order will be revoked without prior notice.
33. The Board reserves the right to revoke/refuse consent to operate at any time during period for which consent is granted in case any violation is observed and to modify/stipulate additional conditions as deemed appropriate.
34. The industry shall take steps for fulfillment of all the stipulations and necessary measures to check pollution.
35. Consent to operate is subject to availability of all other statutory clearances required under relevant Acts/Rules and fulfillment of required procedural formalities.

**G. Additional Conditions**

- 1) The unit shall furnish Action Plan to achieve 100% utilization of Fly Ash **within 15 days.**
- 2) The unit shall submit surface runoff management study report to the Board for necessary approval **within one month.**
- 3) The unit shall strengthen the Environmental Cell with expertise in environmental discipline for effective compliance **within two months.**
- 4) The unit shall install atomize sensor-based wheel washing system at the newly constructed silo area of Stage-1 **within two months.**
- 5) Nomenclature of remaining stacks numbering shall be completed **within 3 months**, so that it would be clearly visible from distance and should be easily acknowledged through IP camera installed.
- 6) More number of check dams shall be constructed and geo textile membrane shall be provided at down-stream of Bakuli Jhor and inlet of seepage water pump house at ash dyke area **within 3 months.**
- 7) The unit shall ensure uninterrupted operation of the sprinklers installed at top of the ash dyke area by deploying booster pumps.
- 8) The unit shall provide metallic screen barrier at coal stockyard for control of wind-borne fugitive dust.
- 9) The industry shall take adequate precautionary measures to confirm the Ambient Air Quality within the prescribed standard at Near Shakti Dwar & EMG Office.
- 10) The unit shall ensure the implementation of action plan in time bound as submitted in compliance to office order of Board vide Letter No. 15214, dtd. 01.10.2021 with respect of High Court Order as per writ petition WP(C) No. 7293/2020 of Shovaraj Mohanty Vs. State of Odisha.
- 11) The unit shall abide by the Fuel Policy of the State Notified on 12.04.2021 by FE & CC Dept., Govt. of Odisha.

The occupier must comply with the conditions stipulated in section A,B,C,D,E F, G to keep this consent order valid.

To

The Executive Director
M/s. Talcher Super Thermal Power Stations,
NTPC Ltd.,
PO-Deepsikha, Kaniha
Dist-Angul


MEMBER SECRETARY
STATE POLLUTION CONTROL BOARD, ODISHA

Memo No. 4122

Dt. 20.03.2023

Copy forwarded to:

- i) Regional Officer, State Pollution Control Board, Angul
- ii) District Collector, Angul
- iii) D.F.O, Angul
- iv) Director, Mines, Govt. of Odisha.
- v) Director Factories and Boilers, Bhubaneswar
- iv) Consent Register
- v) Central Laboratory, SPCB, Patia, Bhubaneswar




CHIEF. ENV. ENGINEER
STATE POLLUTION CONTROL BOARD, ODISHA

**GENERAL STANDARDS FOR DISCHARGE OF ENVIRONMENT POLLUTANTS
PART-A: EFFLUENTS**

Sl.No.	Parameters	Standards			
		Inland surface	Public sewers	Land for irrigation	Marine Coastal Areas
		(a)	(b)	(c)	(d)
1.	Colour & odour	Colourless/Odourless as far as practicable	-----	See 6 of Annex-1	See 6 of Annex-1
2.	Suspended Solids (mg/l)	100	600	200	For process wastewater – 100 b. For cooling water effluent 10% above total suspended matter of influent.
3.	Particular size of SS	Shall pass 850	-----	-----	
5.	pH value	5.5 to 9.0	5.5 to 9.0	5.5 to 9.0	5.5 to 9.0
6.	Temperature	Shall not exceed 5 ^o C above the receiving water temperature	-----	-----	Shall not exceed 5 ^o C above the receiving water temperature
7.	Oil & Grease mg/l max.	10	20	10	20
8.	Total residual chlorine	1.0	---	-----	1.0
9.	Ammonical nitrogen (as N) mg/l max.	50	50	-----	50
10.	Total Kjeldahl nitrogen (as NH ₃) mg/1 max.	100	---	-----	100
11.	Free ammonia (as NH ₃) mg/1 max.	5.0	---	-----	5.0
12.	Biochemical Oxygen Demand (5 days at 20 ^o C) mg/1 max.	30	350	100	100
13.	Chemical Oxygen Demand, mg/1 max.	250	---	-----	250
14.	Arsenic (as As) mg/1 max.	0.2	0.2	0.2	0.2
15.	Mercury (as Hg) mg/1 max.	0.01	0.01	-----	0.001
16.	Lead (as pb) mg/1 max.	01.	1.0	-----	2.0



CONSENT ORDER

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17.	Cadmium (as Cd) mg/l max.	2.0	1.0	-----	2.0
18.	Hexavalent Chromium (as Cr + 6) mg/l max.	0.1	2.0	-----	1.0
19.	Total Chromium (as Cr) mg/l max.	2.0	2.0	-----	2.0
20.	Copper (as Cu) mg/l max.	3.0	3.0	-----	3.0
21.	Zinc (as Zn) mg/l max.	5.0	15	-----	15
22.	Selenium (as Se) mg/l max.	0.05	0.05	-----	0.05
23.	Nickel (as Ni) mg/l max.	3.0	3.0	-----	5.0
24.	Cyanide (as CN) mg/l max.	0.2	2.0	0.2	0.02
25.	Fluoride (as F) mg/l max.	2.0	15	-----	15
26.	Dissolved Phosphates (as P) mg/l max.	5.0	-----	-----	-----
27.	Sulphide (as S) mg/l max.	2.0	-----	-----	5.0
28.	Phenolic compounds as (C ₆ H ₅ OH) mg/l max.	1.0	5.0	-----	5.0
29.	Radioactive materials a. Alpha emitter micro curie/ml. b. Beta emitter micro curie/ml.	10 ⁷ 10 ⁶	10 ⁷ 10 ⁶	10 ⁸ 10 ⁷	10 ⁷ 10 ⁶
30.	Bio-assay test	90% survival of fish after 96 hours in 100% effluent	90% survival of fish after 96 hours in 100% effluent	90% survival of fish after 96 hours in 100% effluent	90% survival of fish after 96 hours in 100% effluent
31.	Manganese (as Mn)	2 mg/l	2 mg/l	-----	2 mg/l
32.	Iron (Fe)	3 mg/l	3 mg/l	-----	3 mg/l
33.	Vanadium (as V)	0.2 mg/l	0.2 mg/l	-----	0.2 mg/l
34.	Nitrate Nitrogen	10 mg/l	-----	-----	20 mg/l

P.T.O

**PART- B: NATIONAL AMBIENT AIR QUALITY STANDARDS**

Sl. No.	Pollutants	Time Weighed Average	Concentrate of Ambient Air		
			Industrial Residential, Rural and other Area	Ecologically Sensitive Area (notified by Central Government)	Methods of Measurement
(1)	(2)	(3)	(4)	(5)	(6)
1.	Sulphur Dioxide (SO ₂), µg/m ³	Annual * 24 Hours **	50 80	20 80	-Improved west and Gaeke - Ultraviolet fluorescence
2.	Nitrogen Dioxide (NO ₂), µg/m ³	Annual * 24 Hours **	40 80	30 80	- Modified Jacob & Hochheiser (Na-Arsenite) - Chemiluminescence
3.	Particulate Matter (size less than 10µm) or PM ₁₀ µg/m ³	Annual * 24 Hours **	60 100	60 100	-Gravimetric - TOEM - Beta Attenuation
4.	Particulate Matter (size less than 2.5µm) or PM _{2.5} µg/m ³	Annual * 24 Hours **	40 60	40 60	-Gravimetric - TOEM - Beta Attenuation
5.	Ozone (O ₃) µg/m ³	8 Hours ** 1 Hours **	100 180	100 180	- UV Photometric - Chemiluminescence - Chemical Method
6.	Lead (Pb) µg/m ³	Annual * 24 Hours **	0.50 1.0	0.50 1.0	-AAS/ICP method after sampling on EMP 2000 or equivalent filter paper. - ED-XRF using Teflon filter
7.	Carbon Monoxide (CO) mg/m ³	8 Hours ** 1 Hours **	02 04	02 04	- Non Dispersive Infra Red (NDIR) Spectroscopy
8.	Ammonia (NH ₃) µg/m ³	Annual* 24 Hours**	100 400	100 400	-Chemiluminescence - Indophenol Blue Method
9.	Benzene (C ₆ H ₆) µg/m ³	Annual *	05	05	-Gas Chromatography based continuous analyzer - Adsorption and Desorption followed by GC analysis
10.	Benzo (a) Pyrene (BaP)- Particulate phase only, ng/m ³	Annual*	01	01	-Solvent extraction followed by HPLC/GC analysis
11.	Arsenic (As), ng/m ³	Annual*	06	06	-AAS/ICP method after sampling on EPM 2000 or equivalent filter paper
12.	Nickel (Ni),ng/m ³	Annual*	20	20	-AAS/ICP method after sampling on EPM 2000 or equivalent filter paper

- ** Annual arithmetic mean of minimum 104 measurements in a year at a particular site taken twice a week 24 hourly at uniform intervals.
- ** 24 hourly or 08 hourly or 01 hourly monitored values, as applicable, shall be complied with 98% of the time in a year, 2% of the time, they may exceed the limits but not on two consecutive days of monitoring.

Annexure -A/2



ଓଡ଼ିଶା ଓଡ଼ିଶା ODISHA

55AA 878855

FORM 'K'
(See Rule- 23(A) (2) (e) & Rule 26)

**AGREEMENT FOR SUPPLY OF WATER FOR THE PURPOSE OF
INDUSTRIAL/COMMERCIAL USE**

THIS AGREEMENT is made on the 28th day of April 2022 (w.e.f. 01.05.2022) between M/s NTPC Ltd., Kaniha, Deepsikha, Kaniha, Dist : Angul, Odisha through its Addl. General Manager Shri J.C. Patra, S/o : H.K. Patra, resident of Vill : Deepsikha, P.S: NTPC, Kaniha, Dist : Angul , by profession Engineer (hereinafter called as the "Applicant") of the first part AND (1) Shri: B.K Sahoo, S/o : Basudev Sahoo , resident of Vill : Deepsikha, P.S: NTPC, Kaniha, Dist : Angul, by profession Engineer and (2) Shri PPS Srinivas S/o : Late PSN Murthy, resident of Vill : Deepsikha, P.S: NTPC, Kaniha, Dist : Angul , by profession Engineer (here in after referred to as the "Sureties") of the second part;

AND

The Governor of Odisha which expression unless repugnant to the context, shall include his successors and assigns (hereinafter called "the Government") of the third part;


जे. सि. पात्र
J. C. PATRA
अवर महाप्रबन्धक (ई ई एन जी)
Addl. General Manager (EEMG)
एनटीपीसी लिमिटेड / टाचर कनिहा
NTPC Limited / Talcher Kaniha


20.04.2022
Superintending Engineer (C)
Head Works Division, S...

WHEREAS, the applicant has made an application for drawl of water from River Brahmani upstream of Samal Barrage pond for the period as mentioned in the Schedule; here to annexed, AND, WHEREAS, the sureties have agreed to stand surety. For payment of rates charged for such supply in the manner hereinafter appearing and the Government has agreed to supply water for the purpose specified in the schedule annexed hereto —

SCHEDULE

(As per letter No.Irr.II-WRC-77/16-8395/WR., dated 06.04.2016 of EIC-cum-Spl. Secretary, Govt. to Deptt. of Water Resources)

Purpose for which water will be supplied	Volume of water if any	Period of supply	The place from which it will be supplied
1	2	3	4
Industrial Use & Drinking Water	105 Cusecs	From 01.05.2022 to 30.04.2025	River Brahmani (from its Intake Pump House)at upstream of Samal Barrage Pond



जे. सि. पात्र
J. C. PATRA
अवर महाप्रबन्धक (ई ई एन जी)
Addl. General Manager (EEMG)
राजकीय विद्युत/तापक कनिष्ठ
NTPC Limited / Talcher Kantha


28.04.2024
Superintending Engineer (C)
Mined Works Division, S...

NOW THIS AGREEMENT witness as follows:

In pursuance of the said agreement and in consideration of supply of water to be made to the applicant, the applicant and sureties hereby jointly and severally covenant with the Government as follows:-

- a) The applicant shall pay at the rate of Rs. 8.96/m³ of water on or before last working day of month in which demand has been issued, to the Superintending Engineer, Head Works Division, Samal.
- b) The applicant will pay the bill for the month for which the agreement is signed for the allocated quantity or drawn, whichever is higher as per above schedule. If drawal is more than the allocation, a penal rate at six times the rate specified in Schedule II and III shall be charged on the quantity of excess drawal, in addition to the normal bill on allocated quantity.
- c) The unit price shall be enhanced @10% per annum with effect from 1st April of every year as per Sub-rule 2(f) under 23(A) of the Odisha Gazette No. 1716 Dt. 24.09.2016.

TERMS & CONDITIONS :

1. M/s NTPC Ltd., Kaniha shall make suitable arrangement to take the water from the Government water source/ Irrigation works at which it will be supplied. M/s NTPC Ltd., Kaniha shall not use the water supplied to him for any purpose other than that which is specified in the Schedule.
2. If the water rate/license fees for the aforesaid quantity of water or any part thereof, is not paid on or before the date specified at that time of agreement it shall become payable at once (unless the Government sanctions for special reason an extension of time) and M/s NTPC Ltd., Kaniha and the sureties shall be liable jointly and severally to pay the same with compound interest at the rate of two per cent per mensem from the date of default. All amount due to the Government under the terms of these presents shall if not paid in time, be recoverable as a public demand under the Odisha Public Demands Recovery Act, 1962.
3.
 - (i) M/s NTPC Ltd., Kaniha shall be liable for criminal and civil action if by drawal of water, the rights of any third party are affected and shall indemnify the Government against all claims for damage preferred by person or persons affected by the permission granted.
 - (ii) M/s NTPC Ltd., Kaniha shall not without prior permission in writing from the Government lay pipe line on Government or communal lands. If the pipe lines have to pass through Government lands, permission of the Government for this shall be taken separately which may be granted subject to the protection of rights of Government or community, as the case may be.



जे. सि. पात्रा
J. C. PATRA
अधीन महाप्रबन्धक (ई. ई. एम. जी.)
Addl. General Manager (E.E.M.G.)
पाटलीकोट विभाग / समल, झारखण्ड
NTPC Limited / Bicher Kaniha


28-04-2012
Superintending Engineer (C)
Head Works Division, Samal

- (iii) M/s NTPC Ltd., Kaniha shall not draw or lift water more than the quantity mentioned in the requisition or order and not exceeding the volume mentioned in the Schedule except with the prior approval of the Government. The Superintending Engineer shall assess the fees to be charged as per Unit /quantity of water drawn or allocated whichever is higher. If drawal is more than the allocation, a penal rate at six times the rate specified in Schedule II and III shall be charged on the quantity of excess drawal, in addition to the normal bill on allocated quantity. The excess drawal is permissible for a maximum period of six months, within which, the licensee shall have to apply for a higher allocation of water with reasons and where the licensee fails to apply for such higher allocation or where the licensee is refused for such higher allocation, the agreement shall be liable to cancellation and the water supplied shall be stopped thereafter.
- (iv) The permission granted shall not be deemed to exempt M/s NTPC Ltd., Kaniha from liability to payment of water charges lawfully assessable at the rate as may be prescribed by Government from time to time.
- (v) Government reserves the right to suspend or cancel the permission in case of violation of any of the conditions.
4. M/s NTPC Ltd., Kaniha at its own cost shall install a Flow Meter or a suitable measuring device for measurement of water drawn or lifted by him from the Government water source/Irrigation works as per the procedure laid down in rule 23-A(b). The Executive Engineer shall visit the location of drawal or lifting of water, verify the quantities of water drawn or lifted by M/s NTPC Ltd., Kaniha and ensure such control as may be necessary for administering the drawal or lifting of water. Assessment of water rate shall be made as per the quantity of water drawn or allocated whichever is higher. In case of any defect or non-functioning of the Flow Meter, the licensee shall bring the fact to the notice of the concerned Executive Engineer forthwith and take appropriate steps to remove the defects in the Meter or for replacement thereof within a period of two months and in such cases the fees shall be charged on the quantity of water allocated for the said period of three months or till the defect in the Meter is removed or the Meter is replaced, as the case may be, whichever is earlier, and where the licensee fails to bring the defect or non-functioning of the Meter to the notice of the Executive Engineer or fails to remove the defects in the Meter or to replace the same, as the case may be, within the stipulated period the agreement shall be liable to cancellation and thereafter the water supply shall be stopped.
5. M/s NTPC Ltd., Kaniha shall construct full proof effluent discharge plant before commissioning of the project. For proper test of such effluent there shall be computerized testing system and M/s NTPC Ltd., Kaniha shall give details of effluent discharged in the natural source (in river and nala).
6. M/s NTPC Ltd., Kaniha would be required to pay 3 (three) months advance water charges in favour of Superintending Engineer concerned in shape of Bank Draft or FDR duly discharged by the company as non-interest bearing security deposit and for 9 (nine) months a Bank Guarantee duly pledged in favour of concerned Superintending Engineer. Onus of maintaining the Bank Guarantee lies with the company.

J.P.

जे. सि. पात्र
J. C. PATRA
अवर महाप्रबंधक (ई. एम. जी.)
Addl. General Manager (E.M.G.)
सूचना/सि. वि. विभाग, तालुका कानिहा
NTPC Limited / Talukar Kaniha

[Signature]
23-14-2024
Superintending Engineer (C)
Head Works Division, Samat

7. In case of water supply for the **M/s NTPC Ltd., Kaniha** is to be met from a common source through a sharing mechanism, such common infrastructure for drawal of water will be constructed, maintained and operated either by IDCO or Special Purpose Vehicle (SPV) after taking due clearance from IDCO. Water will be supplied to **M/s NTPC Ltd., Kaniha** by IDCO/SPV and they would also be liable for payment of water rate to the Government and will in turn have arrangements as similar to clauses (6) and (7) detailed earlier.
8. **M/s NTPC Ltd., Kaniha** will not disturb the normal flow of water so that riparian rights in the downstream will be affected and the company shall have no claim on the account.
9. The drawl mechanism for raw water and disposal system of effluent to be established by the industry without disturbing existing eco system and environmental set up.
10. The Rehabilitation and Resettlement Action Plan/ Welfare Action Plan, if so required will be prepared in conformity with the current Odisha Rehabilitation and Policy and executed by the company at its own cost under the supervision of the Water Resources Department and the Collector of the District.
11. **M/s NTPC Ltd., Kaniha** should not claim as a matter of rights to get the desired quantity of water during non-monsoon and lean period to meet their full industrial use and the company has to make adequate storage facility for a period of 3 month in their own land. Unless there is sufficient water available in the river / stream to meet the riparian demand, the industry would not be allowed to draw water from the intake point during this lean period.
12. The safety design of all the structures lies fully on the company.
13. In case of any dispute/ interpretation of law, the decision of the Government in Water Resource Department shall be final.
14. Any surplus power from CPP shall be sold by **M/s NTPC Ltd., Kaniha** to GRIDCO or any other entity to be notified by the State Government for the purpose under mutually acceptable terms and conditions.
15. This agreement shall be valid for 03 (Three) years from date of execution subject to the renewal of the agreement by Executive Engineer. For renewal of the agreement, the concerned drawee has to apply minimum three months before the expiry date.
16. If the Industry is found to be drawing water unauthorized before signing the agreement/ installation of flow meter, the concerned Superintending Engineer will charge a penal rate at six time normal rate as provided in schedule II and III of Odisha Irrigation (Amendment) Rules, 2010.
17. The Superintending Engineer or his authorized representative reserve the right to inspect all installations of drawl and disposal mechanism during and after construction including intake structure, flow meter and treatment plant.
18. **M/s NTPC Ltd., Kaniha** will have to show clearly in the Water Management Plan as to what



ज. सि. पात्र
J. C. PATRA
 अपर महाप्रबंधक (ई ई एन सी)
 Addl General Manager (EENCO)
 धनकोशी तालिम्बर/कानिहा
 NTPC Limited / Talcher, Kaniha


 Superintending Engineer (C)
 Head Works Division, Son

storage facility the company will create for the lean season and to what extent and how the water is going to be recycled. This plan should be a part of the project report of the unit.

19. M/s NTPC Ltd., Kaniha may engage at their own cost consultant(s) experienced in the field to take up field investigations, prepare design and drawing to set up the water supply scheme for drawing water from Government water source/irrigation works for their proposed plant. The actual work will start only after approval of the scheme by the competent authority of Water Resources Department who can inspect the work during the construction.
20. The exact place for lifting will be decided in consultation with the competent authority of Water resources Department.
21. Department of Water Resources will not responsible for non-availability of water due to dry season, disruption, repair and maintenance of River/Canal/Reservoir.
22. The agreement to be executed by industry/commercial establishment with local authority / Superintending Engineer must be approved by the Department of Water Resources before drawl of water.
23. For optimizing water use, M/s NTPC Ltd., Kaniha should adopt rain water harvesting measure in their plant premises which is for minimising the dependence on river and to meet the requirement in lean season.
24. M/s NTPC Ltd., Kaniha will follow the principle of zero discharge effluent to the river. It would recycle the water for its consumption and hence the demand on fresh water would be for makeup purpose only.
25. If the industry violates any one of the above conditions it may lead to immediate cancellation of allocation.
26. M/s NTPC Ltd., Kaniha shall have all precautionary safety measures emergency safety plan for entire water supply scheme and shall remain responsible for any loss cause to life and public and private properties.
27. The detailed designs and quality of construction of Civil, Electrical and Mechanical work shall be BIS specification for intake constructions and all ancillary structure relating to the construction, operation and running maintenance of the intake works and the water conductor system M/s NTPC Ltd., Kaniha shall be held responsible for the safety of the works.
28. Allocation of water to the industry is subject to condition of water availability in future which depends upon upstream utilization and irrigation water supply.
29. The industry shall deposit @2.5 crores/cusec of water allocated to industries in five equal annual instalments in coming five years beginning with current financial year towards Water Conservation Fund(WCF) for construction of Barrages/Check dams to improve the water


जे. सि. पात्र
J. C. PATRA
अवर महाप्रबंधक (ई ई एम जी)
Addl. General Manager (EEMO)
राजकोशी निलय/सातार कनिहा
NTPC Limited / Talcher Kaniha


28-04-2022
Superintending Engineer (C)
Head Works Division, Samsa

storage capacity in the lean season with concerned Superintending Engineer as per Department Resolution No 24011/WR dated 03.11.2015. The Industry shall enter into an agreement for the purpose of drawl of water, before which contribution towards Water Conservation Fund(WCF) shall be paid.

30. Government shall be at liberty to review the water allocation unilaterally in case of exigencies.

In Witness whereof the Parties hereto have put their hands and seals the day and year first above-written.

In the presence of witnesses :

1. Sahoo
Asst. Engineer
28/04/22
Estimate of Water Works Division
2. Sonai
Gyanvarjales Pani
JEL

In the presence of witnesses :

1. Dishu
28-4-22
- 2.

In the presence of witnesses

- 1.
- 2.

Signature of applicants

1. J. C. Patra
J. C. PATRA
अपर महाप्रबंधक (ई ई एम जी)
Addl. General Manager (EEMG)
एनटीपीसी लिमिटेड / तालचेंबर कानिहा
NTPC Limited / Talcher Kanha
- 2.

Signature of sureties

1. S. K. Bano
S. K. BANO
अपर महाप्रबंधक (ऑपरेशन)
Addl. General Manager (Operation)
एनटीपीसी लिमिटेड / तालचेंबर कानिहा
NTPC Limited / Talcher Kanha
- 2.

1. P. P. S. Srinivas
P. P. S. SRINIVAS
अपर महाप्रबंधक (प्रशा. एवं अनु. / ओ एम एंड)
Addl. General Manager (O&M/MD)
एनटीपीसी लिमिटेड / तालचेंबर कानिहा
NTPC Limited / Talcher Kanha
- 2.

28-04-2022
SIGNATURE OF THE SUPERINTENDING ENGINEER

acting in the premises for and on behalf
of the Government of Odisha
Bansal

4928
9-4 (65)

Annexure A/3

Office of the Executive Engineer
Head Works Division, Samal

ANNEX - 1

At/P.O Samal Barrage Township, Dist: Angul
e-mail.id : (ee.hwd.samal@gmail.com) (eehwsamal-cicwr.od@nic.in)

LT. No. : HWD/Estr./2019-20 1469-72 INB / Dated 26/3/19
NCR 9/4/19

- To
1. The General Manager (O & M), M/s N.T.P.C. Ltd.
At/P.O. : Deepsikha, Kaniba, Dist : Angul.
 2. The General Manager, M/s Jindal India Thermal Power Ltd.
At/P.O. : Derang, Dist : Angul.
 3. The Asst. Vice President, M/s Jindal Steel & Power Ltd.
At/P.O. : Jindal Nagar, Dist : Angul.
 4. The Plant Superintendent, M/s Odisha Power Consortium Ltd.
Samal Barrage Township, Dist : Angul.

AGM (ECMGR)

Sub : Enhancement of license fee/ Special Water rate w.e.f. 01.04.2019.

Ref : Letter No. 10718/WE Dtd. 04.04.2018.

Sir,

In enclosing herewith the letter on the subject cited above, it is to intimate that as per Odisha Irrigation (Amendment) Rules, 2016, 23 A (2) (i), the license fees for drawal of water shall be enhanced @10% per annum w.e.f. 1st day of April every year. As the amendment came into force w.e.f. the date of publication in Odisha Gazette i.e. 27.09.2016, the first and 2nd enhancement of rate has been made from 1st April 2017 and 1st April 2018 respectively.

Accordingly, the 3rd enhancement of license fees @ 10% on water cess will be effective from 01.04.2019 as it has already been clarified in the letter under reference that, the enhancement @10% per annum shall be effected only on and over the original rates in the schedule II & III of Odisha Irrigation (Amendment) Rules, 1961 from the 1st day of April every year i.e. Rs. 5.60/ MP.

Therefore, you are requested to pay the water cess with respect to the approved schedule and the advance water tax calculation sheet basing on the enhanced rate by Govt. in DOWR is enclosed herewith for your information and necessary action at your end.

Incl : As above

Yours faithfully,

D. Patel
Executive Engineer,
Head Works Division, Samal
/Dated 26/3/19

Memo No. 1473-74 INB

Copy along with the enclosures submitted to the Engineer-in-Chief-cum-Spl. Secretary to Govt. Water Resources, Odisha, Bhubaneswar/ Engineer-in-Chief, Water Resources, Secha Sadan, Odisha, Bhubaneswar for favour of kind information and necessary action.

D. Patel
Executive Engineer

04/4/19

P.T.O...

Memo No. 1475-76/MB

/Dated 26/3/19

Copy along with the enclosures submitted to the Chief Engineer, Water Services, Secho Sadan, HBSR/ Chief Engineer & Basin Manager, Brahmani Basin, Samal for favour of kind information and necessary action.

[Signature]
Executive Engineer

Memo No. 1477/MB

/Dated 26/3/19

Copy along with the enclosures submitted to the Addl. Project Director-cum-C.C.E., Rengali Irrigation Project, Samal for favour of kind information and necessary action.

[Signature]
Executive Engineer

Annexure -A/4

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

Name of the Petitioner:

NTPC Limited

Name of the Generating Station

TSTPS

Stage-1

S. No.	Month	Unit	Apr-23	
			Domestic	Imported
			M1149100657	M1149100666
A)	OPENING QUANTITY			
1	Opening Quantity of Coal	(MT)	578097.26	0.00
2	Value of Stock	(Rs.)	1183240583.33	0.00
B)	QUANTITY			
3	Quantity of Coal supplied by Coal Company	(MT)	1233862.54	223.40
4	Adjustment (+/-) in quantity supplied made by Coal Company	(MT)	-325.13	0.00
5	Coal supplied by Coal Company (3+4)	(MT)	1233537.41	223.40
6	Normative Transit & Handling Losses (For Coal based Projects)	(MT)	6731.27	0.45
7	Net Coal Supplied (5-6)	(MT)	1226806.14	222.95300
C)	PRICE			
8	Amount charged by the Coal Company	(Rs.)	2,130,662,352.68	3,888,167.21
9	Adjustment (+/-) in amount charged made by Coal Company	(Rs.)	456,485,595.89	-
10	Handling, Sampling and such other similar charges	(Rs.)	2,835,412.84	-
11	Total amount Charged (8+9+10)	(Rs.)	2,589,983,361.41	3888167.21
D)	TRANSPORTATION			
12	Transportation charges by rail/ship/road transport	(Rs.)	137,087,780.95	-
13	Adjustment (+/-) in amount charged made by Railways/Transport Company	(Rs.)		
14	Demurrage Charges, if any	(Rs.)	84561.95	
15	Cost of diesel in transporting Coal through MGR system, if applicable	(Rs.)	26,826,754.07	-
16	Total Transportation Charges (12+13-14+15)	(Rs.)	163829973.07	0.00
17	Total amount Charged for Coal supplied including Transportation (11+16)	(Rs.)	2753813334.48	3888167.21
E)	TOTAL COST			
18	Landed cost of Coal (2+17)/(1+7)	Rs./MT	2181.31	17439.40
19	Blending Ratio (Domestic/Imported)		99.9842%	0.0158%
20	Weighted average cost of Coal/ Lignite (Including Biomass)	Rs./MT	2183.72	
20a	Weighted average cost of Coal/ Lignite (Excluding Biomass)		2183.72	
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)	3757.00	
22	GCV of Domestic Coal supplied as per bill of Coal Company	(kCal/Kg)	3747.00	
23	GCV of Imported Coal of the opening stock as per bill Coal Company	(kCal/Kg)		0.00
24	GCV of Imported Coal supplied as per bill Coal Company	(kCal/Kg)		5948.00
25	Weighted average GCV of coal as billed (Including Biomass)	(kCal/Kg)	3750.00	
25 a	Weighted average GCV of coal as billed (Excluding Biomass)	(kCal/Kg)	3750.00	
26	GCV of Domestic Coal of the opening stock as received at Station	(kCal/Kg)	3305.00	
27	GCV of Domestic Coal / Bio Mass supplied as received at Station	(kCal/Kg)	3279.00	
28	GCV of Imported Coal of opening stock as received at Station	(kCal/Kg)		0.00
29	GCV of Imported Coal supplied as received at Station	(kCal/Kg)		4947.00
30	Weighted average GCV of coal/ Lignite as received (Including Biomass)	(kCal/Kg)	3287.00	
30 a	Weighted average GCV of coal/ Lignite as received (Excluding Biomass)	(kCal/Kg)	3287.00	

Shailendra Kumar Yadav
Digitally signed by Shailendra Kumar Yadav
Date: 2024.05.24
16:54:53 +05'30'

Raj Kumar Agasti
Digitally signed by Raj Kumar Agasti
Date: 2024.09.29
11:42:50 +05'30'

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

Name of the Petitioner:

NTPC Limited

Name of the Generating Station

TSTPS

Stage-1

S. No.	Month	Unit	May-23	
			Domestic	Imported
			M1149100657	M1149100666
A)	OPENING QUANTITY			
1	Opening Quantity of Coal	(MT)	278429.40	0.00
2	Value of Stock	(Rs.)	607340916.87	0.00
B)	QUANTITY			
3	Quantity of Coal supplied by Coal Company	(MT)	1434983.45	11008.40
4	Adjustment (+/-) in quantity supplied made by Coal Company	(MT)	-523.03	0.00
5	Coal supplied by Coal Company (3+4)	(MT)	1434460.42	11008.40
6	Normative Transit & Handling Losses (For Coal based Projects)	(MT)	7981.76	22.02
7	Net Coal Supplied (5-6)	(MT)	1426478.66	10986.38300
C)	PRICE			
8	Amount charged by the Coal Company	(Rs.)	2,499,659,466.00	147,761,393.93
9	Adjustment (+/-) in amount charged made by Coal Company	(Rs.)	144,466,513.99	-1,663,509.99
10	Handling, Sampling and such other similar charges	(Rs.)	51,852,554.24	-
11	Total amount Charged (8+9+10)	(Rs.)	2,695,978,534.23	146097883.94
D)	TRANSPORTATION			
12	Transportation charges by rail/ship/road transport	(Rs.)	164,207,754.99	-
13	Adjustment (+/-) in amount charged made by Railways/Transport Company	(Rs.)		
14	Demurrage Charges, if any	(Rs.)	59268.00	
15	Cost of diesel in transporting Coal through MGR system, if applicable	(Rs.)	29,169,053.61	-
16	Total Transportation Charges (12+13-14+15)	(Rs.)	193317540.60	0.00
17	Total amount Charged for Coal supplied including Transportation (11+16)	(Rs.)	2889296074.83	146097883.94
E)	TOTAL COST			
18	Landed cost of Coal (2+17)/(1+7)	Rs./MT	2050.92	13298.09
19	Blending Ratio (Domestic/Imported)		99.5862%	0.4138%
20	Weighted average cost of Coal/ Lignite (Including Biomass)	Rs./MT	2097.46	
20a	Weighted average cost of Coal/ Lignite (Excluding Biomass)		2097.46	
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)	3750.00	
22	GCV of Domestic Coal supplied as per bill of Coal Company	(kCal/Kg)	3823.00	
23	GCV of Imported Coal of the opening stock as per bill Coal Company	(kCal/Kg)		5948.00
24	GCV of Imported Coal supplied as per bill Coal Company	(kCal/Kg)		5922.00
25	Weighted average GCV of coal as billed (Including Biomass)	(kCal/Kg)	3819.00	
25 a	Weighted average GCV of coal as billed (Excluding Biomass)	(kCal/Kg)	3819.00	
26	GCV of Domestic Coal of the opening stock as received at Station	(kCal/Kg)	3287.00	
27	GCV of Domestic Coal / Bio Mass supplied as received at Station	(kCal/Kg)	3213.00	
28	GCV of Imported Coal of opening stock as received at Station	(kCal/Kg)		4947.00
29	GCV of Imported Coal supplied as received at Station	(kCal/Kg)		4874.00
30	Weighted average GCV of coal/ Lignite as received (Including Biomass)	(kCal/Kg)	3232.00	
30 a	Weighted average GCV of coal/ Lignite as received (Excluding Biomass)	(kCal/Kg)	3232.00	

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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

TSTPS

Stage-1

S. No.	Month	Unit	Jun-23	
			Domestic	Imported
			M1149100657	M1149100666
A)	OPENING QUANTITY			
1	Opening Quantity of Coal	(MT)	142957.06	4686.38
2	Value of Stock	(Rs.)	293194198.97	62319931.83
B)	QUANTITY			
3	Quantity of Coal supplied by Coal Company	(MT)	1320433.62	65883.20
4	Adjustment (+/-) in quantity supplied made by Coal Company	(MT)	-437.08	0.00
5	Coal supplied by Coal Company (3+4)	(MT)	1319996.54	65883.20
6	Normative Transit & Handling Losses (For Coal based Projects)	(MT)	7153.87	131.77
7	Net Coal Supplied (5-6)	(MT)	1312842.67	65751.43400
C)	PRICE			
8	Amount charged by the Coal Company	(Rs.)	2,262,988,898.89	873,427,491.08
9	Adjustment (+/-) in amount charged made by Coal Company	(Rs.)	184,237,565.00	-16,185,867.82
10	Handling, Sampling and such other similar charges	(Rs.)	157,066,143.59	-
11	Total amount Charged (8+9+10)	(Rs.)	2,604,292,607.48	857241623.26
D)	TRANSPORTATION			
12	Transportation charges by rail/ship/road transport	(Rs.)	143,368,241.00	-
13	Adjustment (+/-) in amount charged made by Railways/Transport Company	(Rs.)		
14	Demurrage Charges, if any	(Rs.)	66483.00	
15	Cost of diesel in transporting Coal through MGR system, if applicable	(Rs.)	30,443,841.44	-
16	Total Transportation Charges (12+13-14+15)	(Rs.)	173745599.44	0.00
17	Total amount Charged for Coal supplied including Transportation (11+16)	(Rs.)	2778038206.92	857241623.26
E)	TOTAL COST			
18	Landed cost of Coal (2+17)/(1+7)	Rs./MT	2109.65	13054.94
19	Blending Ratio (Domestic/Imported)		96.4375%	3.5625%
20	Weighted average cost of Coal/ Lignite (Including Biomass)	Rs./MT	2499.57	
20a	Weighted average cost of Coal/ Lignite (Excluding Biomass)		2499.57	
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)	3811.00	
22	GCV of Domestic Coal supplied as per bill of Coal Company	(kCal/Kg)	3724.00	
23	GCV of Imported Coal of the opening stock as per bill Coal Company	(kCal/Kg)		5922.00
24	GCV of Imported Coal supplied as per bill Coal Company	(kCal/Kg)		5952.00
25	Weighted average GCV of coal as billed (Including Biomass)	(kCal/Kg)	3812.00	
25 a	Weighted average GCV of coal as billed (Excluding Biomass)	(kCal/Kg)	3812.00	
26	GCV of Domestic Coal of the opening stock as received at Station	(kCal/Kg)	3225.00	
27	GCV of Domestic Coal / Bio Mass supplied as received at Station	(kCal/Kg)	3252.00	
28	GCV of Imported Coal of opening stock as received at Station	(kCal/Kg)		4874.00
29	GCV of Imported Coal supplied as received at Station	(kCal/Kg)		4926.00
30	Weighted average GCV of coal/ Lignite as received (Including Biomass)	(kCal/Kg)	3309.00	
30 a	Weighted average GCV of coal/ Lignite as received (Excluding Biomass)	(kCal/Kg)	3309.00	

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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

TSTPS

Stage-1

S. No.	Month	Unit	Jul-23	
			Domestic	Imported
			M1149100657	M1149100666
A)	OPENING QUANTITY			
1	Opening Quantity of Coal	(MT)	263772.72	26237.82
2	Value of Stock	(Rs.)	556469069.26	342533156.62
B)	QUANTITY			
3	Quantity of Coal supplied by Coal Company	(MT)	1294409.93	67570.60
4	Adjustment (+/-) in quantity supplied made by Coal Company	(MT)	-472.76	0.00
5	Coal supplied by Coal Company (3+4)	(MT)	1293937.17	67570.60
6	Normative Transit & Handling Losses (For Coal based Projects)	(MT)	6490.91	135.14
7	Net Coal Supplied (5-6)	(MT)	1287446.26	67435.45900
C)	PRICE			
8	Amount charged by the Coal Company	(Rs.)	2,217,165,118.69	874,554,889.21
9	Adjustment (+/-) in amount charged made by Coal Company	(Rs.)	207,810,860.99	-
10	Handling, Sampling and such other similar charges	(Rs.)	37,486,341.07	-
11	Total amount Charged (8+9+10)	(Rs.)	2,462,462,320.75	874554889.21
D)	TRANSPORTATION			
12	Transportation charges by rail/ship/road transport	(Rs.)	122,229,692.74	-
13	Adjustment (+/-) in amount charged made by Railways/Transport Company	(Rs.)		
14	Demurrage Charges, if any	(Rs.)	0.00	
15	Cost of diesel in transporting Coal through MGR system, if applicable	(Rs.)	11,571,654.30	-
16	Total Transportation Charges (12+13-14+15)	(Rs.)	133801347.04	0.00
17	Total amount Charged for Coal supplied including Transportation (11+16)	(Rs.)	2596263667.79	874554889.21
E)	TOTAL COST			
18	Landed cost of Coal (2+17)/(1+7)	Rs./MT	2032.42	12992.91
19	Blending Ratio (Domestic/Imported)		94.4012%	5.5988%
20	Weighted average cost of Coal/ Lignite (Including Biomass)	Rs./MT	2646.08	
20a	Weighted average cost of Coal/ Lignite (Excluding Biomass)		2646.08	
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)	3733.00	
22	GCV of Domestic Coal supplied as per bill of Coal Company	(kCal/Kg)	3734.00	
23	GCV of Imported Coal of the opening stock as per bill Coal Company	(kCal/Kg)		5950.00
24	GCV of Imported Coal supplied as per bill Coal Company	(kCal/Kg)		5905.00
25	Weighted average GCV of coal as billed (Including Biomass)	(kCal/Kg)	3854.00	
25 a	Weighted average GCV of coal as billed (Excluding Biomass)	(kCal/Kg)	3854.00	
26	GCV of Domestic Coal of the opening stock as received at Station	(kCal/Kg)	3249.00	
27	GCV of Domestic Coal / Bio Mass supplied as received at Station	(kCal/Kg)	3075.00	
28	GCV of Imported Coal of opening stock as received at Station	(kCal/Kg)		4923.00
29	GCV of Imported Coal supplied as received at Station	(kCal/Kg)		4937.00
30	Weighted average GCV of coal/ Lignite as received (Including Biomass)	(kCal/Kg)	3207.00	
30 a	Weighted average GCV of coal/ Lignite as received (Excluding Biomass)	(kCal/Kg)	3207.00	

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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

TSTPS

Stage-1

S. No.	Month	Unit	Aug-23	
			Domestic	Imported
			M1149100657	M1149100666
A)	OPENING QUANTITY			
1	Opening Quantity of Coal	(MT)	379172.98	25073.28
2	Value of Stock	(Rs.)	770639489.60	325774711.77
B)	QUANTITY			
3	Quantity of Coal supplied by Coal Company	(MT)	1277748.79	63439.00
4	Adjustment (+/-) in quantity supplied made by Coal Company	(MT)	0.00	0.00
5	Coal supplied by Coal Company (3+4)	(MT)	1277748.79	63439.00
6	Normative Transit & Handling Losses (For Coal based Projects)	(MT)	6579.65	126.88
7	Net Coal Supplied (5-6)	(MT)	1271169.14	63312.12200
C)	PRICE			
8	Amount charged by the Coal Company	(Rs.)	2,188,014,351.14	801,628,068.80
9	Adjustment (+/-) in amount charged made by Coal Company	(Rs.)	245,000,000.00	3,942,798.00
10	Handling, Sampling and such other similar charges	(Rs.)	23,320,743.29	-
11	Total amount Charged (8+9+10)	(Rs.)	2,456,335,094.43	805570866.80
D)	TRANSPORTATION			
12	Transportation charges by rail/ship/road transport	(Rs.)	130,725,046.76	-
13	Adjustment (+/-) in amount charged made by Railways/Transport Company	(Rs.)		
14	Demurrage Charges, if any	(Rs.)	36542.00	
15	Cost of diesel in transporting Coal through MGR system, if applicable	(Rs.)	21,874,481.83	-
16	Total Transportation Charges (12+13-14+15)	(Rs.)	152562986.59	0.00
17	Total amount Charged for Coal supplied including Transportation (11+16)	(Rs.)	2608898081.02	805570866.80
E)	TOTAL COST			
18	Landed cost of Coal (2+17)/(1+7)	Rs./MT	2047.78	12800.14
19	Blending Ratio (Domestic/Imported)		92.7975%	7.2025%
20	Weighted average cost of Coal/ Lignite (Including Biomass)	Rs./MT	2822.22	
20a	Weighted average cost of Coal/ Lignite (Excluding Biomass)		2822.22	
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)	3516.00	
22	GCV of Domestic Coal supplied as per bill of Coal Company	(kCal/Kg)	3517.00	
23	GCV of Imported Coal of the opening stock as per bill Coal Company	(kCal/Kg)		5877.00
24	GCV of Imported Coal supplied as per bill Coal Company	(kCal/Kg)		5873.00
25	Weighted average GCV of coal as billed (Including Biomass)	(kCal/Kg)	3701.00	
25 a	Weighted average GCV of coal as billed (Excluding Biomass)	(kCal/Kg)	3701.00	
26	GCV of Domestic Coal of the opening stock as received at Station	(kCal/Kg)	3084.00	
27	GCV of Domestic Coal / Bio Mass supplied as received at Station	(kCal/Kg)	2918.00	
28	GCV of Imported Coal of opening stock as received at Station	(kCal/Kg)		4937.00
29	GCV of Imported Coal supplied as received at Station	(kCal/Kg)		4973.00
30	Weighted average GCV of coal/ Lignite as received (Including Biomass)	(kCal/Kg)	3101.00	
30 a	Weighted average GCV of coal/ Lignite as received (Excluding Biomass)	(kCal/Kg)	3101.00	

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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

TSTPS

Stage-1

S. No.	Month	Unit	Sep-23	
			Domestic	Imported
			M1149100657	M1149100666
A)	OPENING QUANTITY			
1	Opening Quantity of Coal	(MT)	604751.12	2643.40
2	Value of Stock	(Rs.)	1238397232.64	33835867.77
B)	QUANTITY			
3	Quantity of Coal supplied by Coal Company	(MT)	1195525.79	26568.92
4	Adjustment (+/-) in quantity supplied made by Coal Company	(MT)	-633.70	0.00
5	Coal supplied by Coal Company (3+4)	(MT)	1194892.09	26568.92
6	Normative Transit & Handling Losses (For Coal based Projects)	(MT)	6160.23	53.14
7	Net Coal Supplied (5-6)	(MT)	1188731.86	26515.78200
C)	PRICE			
8	Amount charged by the Coal Company	(Rs.)	2,041,620,925.00	340,471,636.15
9	Adjustment (+/-) in amount charged made by Coal Company	(Rs.)	-45,919,283.00	-
10	Handling, Sampling and such other similar charges	(Rs.)	115,307,964.72	-
11	Total amount Charged (8+9+10)	(Rs.)	2,111,009,606.72	340471636.15
D)	TRANSPORATION			
12	Transportation charges by rail/ship/road transport	(Rs.)	116,819,527.95	-
13	Adjustment (+/-) in amount charged made by Railways/Transport Company	(Rs.)		
14	Demurrage Charges, if any	(Rs.)	42681.00	
15	Cost of diesel in transporting Coal through MGR system, if applicable	(Rs.)	18,235,984.31	-
16	Total Transportation Charges (12+13-14+15)	(Rs.)	135012831.26	0.00
17	Total amount Charged for Coal supplied including Transportation (11+16)	(Rs.)	2246022437.98	340471636.15
E)	TOTAL COST			
18	Landed cost of Coal (2+17)/(1+7)	Rs./MT	1942.82	12836.70
19	Blending Ratio (Domestic/Imported)		98.0940%	1.9060%
20	Weighted average cost of Coal/ Lignite (Including Biomass)	Rs./MT	2150.46	
20a	Weighted average cost of Coal/ Lignite (Excluding Biomass)		2150.46	
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)	3517.00	
22	GCV of Domestic Coal supplied as per bill of Coal Company	(kCal/Kg)	3510.00	
23	GCV of Imported Coal of the opening stock as per bill Coal Company	(kCal/Kg)		5874.00
24	GCV of Imported Coal supplied as per bill Coal Company	(kCal/Kg)		5922.00
25	Weighted average GCV of coal as billed (Including Biomass)	(kCal/Kg)	3559.00	
25 a	Weighted average GCV of coal as billed (Excluding Biomass)	(kCal/Kg)	3559.00	
26	GCV of Domestic Coal of the opening stock as received at Station	(kCal/Kg)	2956.00	
27	GCV of Domestic Coal / Bio Mass supplied as received at Station	(kCal/Kg)	3216.00	
28	GCV of Imported Coal of opening stock as received at Station	(kCal/Kg)		4963.00
29	GCV of Imported Coal supplied as received at Station	(kCal/Kg)		4994.00
30	Weighted average GCV of coal/ Lignite as received (Including Biomass)	(kCal/Kg)	3164.00	
30 a	Weighted average GCV of coal/ Lignite as received (Excluding Biomass)	(kCal/Kg)	3164.00	

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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

TSTPS

Stage-1

S. No.	Month	Unit	Oct-23	
			Domestic	Imported
			M1149100657	M1149100666
A)	OPENING QUANTITY			
1	Opening Quantity of Coal	(MT)	514375.98	3958.18
2	Value of Stock	(Rs.)	999341171.55	50809949.93
B)	QUANTITY			
3	Quantity of Coal supplied by Coal Company	(MT)	1345957.26	7747.99
4	Adjustment (+/-) in quantity supplied made by Coal Company	(MT)	0.00	0.00
5	Coal supplied by Coal Company (3+4)	(MT)	1345957.26	7747.99
6	Normative Transit & Handling Losses (For Coal based Projects)	(MT)	7171.83	15.50
7	Net Coal Supplied (5-6)	(MT)	1338785.43	7732.49400
C)	PRICE			
8	Amount charged by the Coal Company	(Rs.)	2,291,516,082.65	105,201,485.00
9	Adjustment (+/-) in amount charged made by Coal Company	(Rs.)	505,242,926.75	-44,170,058.00
10	Handling, Sampling and such other similar charges	(Rs.)	13,149,985.57	-
11	Total amount Charged (8+9+10)	(Rs.)	2,809,908,994.97	61031427.00
D)	TRANSPORATION			
12	Transportation charges by rail/ship/road transport	(Rs.)	144,281,353.85	-
13	Adjustment (+/-) in amount charged made by Railways/Transport Company	(Rs.)		
14	Demurrage Charges, if any	(Rs.)	0.00	
15	Cost of diesel in transporting Coal through MGR system, if applicable	(Rs.)	22,924,479.11	-
16	Total Transportation Charges (12+13-14+15)	(Rs.)	167205832.96	0.00
17	Total amount Charged for Coal supplied including Transportation (11+16)	(Rs.)	2977114827.93	61031427.00
E)	TOTAL COST			
18	Landed cost of Coal (2+17)/(1+7)	Rs./MT	2145.77	9566.72
19	Blending Ratio (Domestic/Imported)		99.2249%	0.7751%
20	Weighted average cost of Coal/ Lignite (Including Biomass)	Rs./MT	2203.29	
20a	Weighted average cost of Coal/ Lignite (Excluding Biomass)		2203.29	
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)	3512.00	
22	GCV of Domestic Coal supplied as per bill of Coal Company	(kCal/Kg)	3507.00	
23	GCV of Imported Coal of the opening stock as per bill Coal Company	(kCal/Kg)		5918.00
24	GCV of Imported Coal supplied as per bill Coal Company	(kCal/Kg)		5966.00
25	Weighted average GCV of coal as billed (Including Biomass)	(kCal/Kg)	3527.00	
25 a	Weighted average GCV of coal as billed (Excluding Biomass)	(kCal/Kg)	3527.00	
26	GCV of Domestic Coal of the opening stock as received at Station	(kCal/Kg)	3128.00	
27	GCV of Domestic Coal / Bio Mass supplied as received at Station	(kCal/Kg)	3412.00	
28	GCV of Imported Coal of opening stock as received at Station	(kCal/Kg)		4994.00
29	GCV of Imported Coal supplied as received at Station	(kCal/Kg)		5000.00
30	Weighted average GCV of coal/ Lignite as received (Including Biomass)	(kCal/Kg)	3346.00	
30 a	Weighted average GCV of coal/ Lignite as received (Excluding Biomass)	(kCal/Kg)	3346.00	

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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

TSTPS

Stage-1

S. No.	Month	Unit	Nov-23	
			Domestic	Imported
			M1149100657	M1149100666
A)	OPENING QUANTITY			
1	Opening Quantity of Coal	(MT)	314255.41	0.00
2	Value of Stock	(Rs.)	674319468.38	0.00
B)	QUANTITY			
3	Quantity of Coal supplied by Coal Company	(MT)	1513482.74	0.00
4	Adjustment (+/-) in quantity supplied made by Coal Company	(MT)	-214.38	0.00
5	Coal supplied by Coal Company (3+4)	(MT)	1513268.36	0.00
6	Normative Transit & Handling Losses (For Coal based Projects)	(MT)	8313.31	0.00
7	Net Coal Supplied (5-6)	(MT)	1504955.05	0.00000
C)	PRICE			
8	Amount charged by the Coal Company	(Rs.)	2,600,870,073.95	-
9	Adjustment (+/-) in amount charged made by Coal Company	(Rs.)	150,000,000.00	-
10	Handling, Sampling and such other similar charges	(Rs.)	37,859,262.22	-
11	Total amount Charged (8+9+10)	(Rs.)	2,788,729,336.17	0.00
D)	TRANSPORTATION			
12	Transportation charges by rail/ship/road transport	(Rs.)	191,002,802.20	-
13	Adjustment (+/-) in amount charged made by Railways/Transport Company	(Rs.)		
14	Demurrage Charges, if any	(Rs.)	0.00	
15	Cost of diesel in transporting Coal through MGR system, if applicable	(Rs.)	27,730,239.52	-
16	Total Transportation Charges (12+13-14+15)	(Rs.)	218733041.72	0.00
17	Total amount Charged for Coal supplied including Transportation (11+16)	(Rs.)	3007462377.89	0.00
E)	TOTAL COST			
18	Landed cost of Coal (2+17)/(1+7)	Rs./MT	2023.84	0.00
19	Blending Ratio (Domestic/Imported)		100.0000%	0.0000%
20	Weighted average cost of Coal/ Lignite (Including Biomass)	Rs./MT	2023.84	
20a	Weighted average cost of Coal/ Lignite (Excluding Biomass)		2023.84	
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)	3508.00	
22	GCV of Domestic Coal supplied as per bill of Coal Company	(kCal/Kg)	3544.00	
23	GCV of Imported Coal of the opening stock as per bill Coal Company	(kCal/Kg)		5950.00
24	GCV of Imported Coal supplied as per bill Coal Company	(kCal/Kg)		0.00
25	Weighted average GCV of coal as billed (Including Biomass)	(kCal/Kg)	3538.00	
25 a	Weighted average GCV of coal as billed (Excluding Biomass)	(kCal/Kg)	3538.00	
26	GCV of Domestic Coal of the opening stock as received at Station	(kCal/Kg)	3333.00	
27	GCV of Domestic Coal / Bio Mass supplied as received at Station	(kCal/Kg)	3523.00	
28	GCV of Imported Coal of opening stock as received at Station	(kCal/Kg)		4998.00
29	GCV of Imported Coal supplied as received at Station	(kCal/Kg)		0.00
30	Weighted average GCV of coal/ Lignite as received (Including Biomass)	(kCal/Kg)	3490.00	
30 a	Weighted average GCV of coal/ Lignite as received (Excluding Biomass)	(kCal/Kg)	3490.00	

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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

TSTPS

Stage-1

S. No.	Month	Unit	Dec-23	
			Domestic	Imported
			M1149100657	M1149100666
A)	OPENING QUANTITY			
1	Opening Quantity of Coal	(MT)	416416.46	0.00
2	Value of Stock	(Rs.)	842758216.71	0.00
B)	QUANTITY			
3	Quantity of Coal supplied by Coal Company	(MT)	1639739.22	0.00
4	Adjustment (+/-) in quantity supplied made by Coal Company	(MT)	-212.08	0.00
5	Coal supplied by Coal Company (3+4)	(MT)	1639527.14	0.00
6	Normative Transit & Handling Losses (For Coal based Projects)	(MT)	9334.65	0.00
7	Net Coal Supplied (5-6)	(MT)	1630192.49	0.00000
C)	PRICE			
8	Amount charged by the Coal Company	(Rs.)	2,823,868,909.00	-
9	Adjustment (+/-) in amount charged made by Coal Company	(Rs.)	-	-
10	Handling, Sampling and such other similar charges	(Rs.)	88,744,775.58	-
11	Total amount Charged (8+9+10)	(Rs.)	2,912,613,684.58	0.00
D)	TRANSPORTATION			
12	Transportation charges by rail/ship/road transport	(Rs.)	165,384,809.00	-
13	Adjustment (+/-) in amount charged made by Railways/Transport Company	(Rs.)		
14	Demurrage Charges, if any	(Rs.)	-9578.00	
15	Cost of diesel in transporting Coal through MGR system, if applicable	(Rs.)	28,815,347.09	-
16	Total Transportation Charges (12+13-14+15)	(Rs.)	194209734.09	0.00
17	Total amount Charged for Coal supplied including Transportation (11+16)	(Rs.)	3106823418.67	0.00
E)	TOTAL COST			
18	Landed cost of Coal (2+17)/(1+7)	Rs./MT	1929.82	0.00
19	Blending Ratio (Domestic/Imported)		100.0000%	0.0000%
20	Weighted average cost of Coal/ Lignite (Including Biomass)	Rs./MT	1929.82	
20a	Weighted average cost of Coal/ Lignite (Excluding Biomass)		1929.82	
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)	3538.00	
22	GCV of Domestic Coal supplied as per bill of Coal Company	(kCal/Kg)	3557.00	
23	GCV of Imported Coal of the opening stock as per bill Coal Company	(kCal/Kg)		0.00
24	GCV of Imported Coal supplied as per bill Coal Company	(kCal/Kg)		0.00
25	Weighted average GCV of coal as billed (Including Biomass)	(kCal/Kg)	3553.00	
25 a	Weighted average GCV of coal as billed (Excluding Biomass)	(kCal/Kg)	3553.00	
26	GCV of Domestic Coal of the opening stock as received at Station	(kCal/Kg)	3490.00	
27	GCV of Domestic Coal / Bio Mass supplied as received at Station	(kCal/Kg)	3423.00	
28	GCV of Imported Coal of opening stock as received at Station	(kCal/Kg)		0.00
29	GCV of Imported Coal supplied as received at Station	(kCal/Kg)		0.00
30	Weighted average GCV of coal/ Lignite as received (Including Biomass)	(kCal/Kg)	3437.00	
30 a	Weighted average GCV of coal/ Lignite as received (Excluding Biomass)	(kCal/Kg)	3437.00	

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Details of Sourcewise fuel for computation of Energy Charges

Company		NTPC Limited		
Name of the generating Station		Talcher Super Thermal Power-STAGE 01		
Month		January-2024		
SL	Particulars	Unit	COAL-DOMESTIC	COAL-IMPORTED
A)	OPENING QUANTITY			
1	Opening Stock of coal	MT	563394.95	0.00
2	Value of Stock	Rs.	1087249806.71	0.00
B)	QUANTITY			
3	Quantity of Coal /Lignite supplied by Coal / Lignite Company	MT	1418642.56	0.00
3.01	- Qty Received (Pit Head)	MT	489640.97	0.00
3.02	- Qty Received (Non Pit Head)	MT	929001.59	0.00
4	Adjustment (+/-) in quantity supplied made by Coal / Lignite Company	MT	0.00	0.00
5	Coal supplied by Coal/Lignite Company (3+4)	MT	1418642.56	0.00
6	Normative transit & Handling losses (for Coal /Lignite based projects)	MT	8411.30	0.00
6.01	- Normative Loss (Pit Head)	MT	979.28	0.00
6.02	- Normative Loss (Non Pit Head)	MT	7432.02	0.00
7	Net Coal / Lignite supplied (5 - 6)	MT	1410231.26	0.00
C)	PRICE			
8	Amount charged by the Coal / Lignite Company	Rs.	2447772679.80	0.00
9	Adjustment (+ / -) in amount charged by coal / Lignite Company	Rs.	0.00	0.00
10	Handling, Sampling and such other Similar charges	Rs.	66306337.99	0.00
11	Total Amount charged (8 +9+10)	Rs.	2514079017.79	0.00
D)	TRANSPORTATION			
12	Transportation charges by Rail / Ship / Road Transport	Rs.	202420988.00	0.00
13	Adjustment (+/-) in amount charged by railways / transport company	Rs.	0.00	0.00
14	Demurrage charges, if any	Rs.	0.00	0.00
15	Cost of diesel in transporting Coal through MGR system, if applicable	Rs.	0.00	0.00
16	Total transportation charges (12+/- 13 - 14 + 15)	Rs.	202420988.00	0.00
17	Total amount charged for Coal / Lignite supplied including transportation (11 + 16)	Rs.	2716500005.79	0.00
E)	TOTAL COST			
18	Landed Cost of Coal/Lignite (2+17) / (1+7)	Rs./MT	1927.29	0.00
19	Blending Ratio (Domestic/Imported)	%	100.00	0.00
20	Weighted average cost of Coal /Lignite (Including biomass)	Rs./MT	1927.29	
20.10	Weighted average cost of Coal /Lignite (Excluding biomass)	Rs./MT	1927.29	1927.29
F)	QUALITY			
21	GCV of Domestic coal of the opening coal stock as per bill of coal company	kCal/Kg	3553	0
22	GCV of Domestic coal supplied as per bill of coal company	kCal/Kg	3572	0
23	GCV of Imported coal of the opening coal stock as per bill of coal company	kCal/Kg	0	5950
24	GCV of Imported coal supplied as per bill of coal company	kCal/Kg	0	0
25	Weighted average GCV of Coal /Lignite as billed (Including biomass)	kCal/Kg	3567	
25.10	Weighted average GCV of Coal /Lignite as billed (Excluding biomass)	kCal/Kg	3567	3567
26	GCV of Domestic coal of the Opening stock as received at station	kCal/Kg	3437	0
27	GCV of Domestic coal/biomass supplied as received at station	kCal/Kg	3432	0
28	GCV of Imported coal of the Opening stock as received at station	kCal/Kg	0	4998
29	GCV of Imported coal supplied as received at station	kCal/Kg	0	0
30	Weighted average GCV of coal/ Lignite as Received (Including biomass)	kCal/Kg	3433	
30.10	Weighted average GCV of coal/ Lignite as Received (Excluding biomass)	kCal/Kg	3433	3433

Submitted On :16.04.2024

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Details of Sourcewise fuel for computation of Energy Charges

Company		NTPC Limited		
Name of the generating Station		Talcher Super Thermal Power-STAGE 01		
Month		February-2024		
SL	Particulars	Unit	COAL-DOMESTIC	COAL-IMPORTED
A)	OPENING QUANTITY			
1	Opening Stock of coal	MT	710984.21	0.00
2	Value of Stock	Rs.	1370272512.32	0.00
B)	QUANTITY			
3	Quantity of Coal /Lignite supplied by Coal / Lignite Company	MT	1354494.50	461.20
3.01	- Qty Received (Pit Head)	MT	582108.07	461.20
3.02	- Qty Received (Non Pit Head)	MT	772386.43	0.00
4	Adjustment (+/-) in quantity supplied made by Coal / Lignite Company	MT	0.00	0.00
5	Coal supplied by Coal/Lignite Company (3+4)	MT	1354494.50	461.20
6	Normative transit & Handling losses (for Coal /Lignite based projects)	MT	7343.31	0.92
6.01	- Normative Loss (Pit Head)	MT	1164.22	0.92
6.02	- Normative Loss (Non Pit Head)	MT	6179.09	0.00
7	Net Coal / Lignite supplied (5 - 6)	MT	1347151.19	460.28
C)	PRICE			
8	Amount charged by the Coal / Lignite Company	Rs.	2330497245.84	5916513.00
9	Adjustment (+ / -) in amount charged by coal / Lignite Company	Rs.	0.00	0.00
10	Handling, Sampling and such other Similar charges	Rs.	45347980.81	0.00
11	Total Amount charged (8 +9+10)	Rs.	2375845206.65	5916513.00
D)	TRANSPORTATION			
12	Transportation charges by Rail / Ship / Road Transport	Rs.	143993022.00	0.00
13	Adjustment (+/-) in amount charged by railways / transport company	Rs.	0.00	0.00
14	Demurrage charges, if any	Rs.	0.00	0.00
15	Cost of diesel in transporting Coal through MGR system, if applicable	Rs.	0.00	0.00
16	Total transportation charges (12+/- 13 - 14 + 15)	Rs.	143993022.00	0.00
17	Total amount charged for Coal / Lignite supplied including transportation (11 + 16)	Rs.	2519838228.65	5916513.00
E)	TOTAL COST			
18	Landed Cost of Coal/Lignite (2+17) / (1+7)	Rs./MT	1890.11	12854.16
19	Blending Ratio (Domestic/Imported)	%	100.00	0.00
20	Weighted average cost of Coal /Lignite (Including biomass)	Rs./MT	1890.11	
20.10	Weighted average cost of Coal /Lignite (Excluding biomass)	Rs./MT	1890.11	1890.11
F)	QUALITY			
21	GCV of Domestic coal of the opening coal stock as per bill of coal company	kCal/Kg	3567	0
22	GCV of Domestic coal supplied as per bill of coal company	kCal/Kg	3550	0
23	GCV of Imported coal of the opening coal stock as per bill of coal company	kCal/Kg	0	5950
24	GCV of Imported coal supplied as per bill of coal company	kCal/Kg	0	5950
25	Weighted average GCV of Coal /Lignite as billed (Including biomass)	kCal/Kg	3556	
25.10	Weighted average GCV of Coal /Lignite as billed (Excluding biomass)	kCal/Kg	3556	3556
26	GCV of Domestic coal of the Opening stock as received at station	kCal/Kg	3433	0
27	GCV of Domestic coal/biomass supplied as received at station	kCal/Kg	3299	0
28	GCV of Imported coal of the Opening stock as received at station	kCal/Kg	0	4998
29	GCV of Imported coal supplied as received at station	kCal/Kg	0	4998
30	Weighted average GCV of coal/ Lignite as Received (Including biomass)	kCal/Kg	3345	
30.10	Weighted average GCV of coal/ Lignite as Received (Excluding biomass)	kCal/Kg	3345	3345

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Details of Sourcewise fuel for computation of Energy Charges

Company		NTPC Limited		
Name of the generating Station		Talcher Super Thermal Power-STAGE 01		
Month		March-2024		
SL	Particulars	Unit	COAL-DOMESTIC	COAL-IMPORTED
A)	OPENING QUANTITY			
1	Opening Stock of coal	MT	759455.41	460.28
2	Value of Stock	Rs.	1435457491.45	5916513.00
B)	QUANTITY			
3	Quantity of Coal /Lignite supplied by Coal / Lignite Company	MT	1445228.76	0.00
3.01	- Qty Received (Pit Head)	MT	685427.98	0.00
3.02	- Qty Received (Non Pit Head)	MT	759800.78	0.00
4	Adjustment (+/-) in quantity supplied made by Coal / Lignite Company	MT	1822.21-	0.00
5	Coal supplied by Coal/Lignite Company (3+4)	MT	1443406.55	0.00
6	Normative transit & Handling losses (for Coal /Lignite based projects)	MT	7436.78	0.00
6.01	- Normative Loss (Pit Head)	MT	1370.16	0.00
6.02	- Normative Loss (Non Pit Head)	MT	6066.62	0.00
7	Net Coal / Lignite supplied (5 - 6)	MT	1435969.77	0.00
C)	PRICE			
8	Amount charged by the Coal / Lignite Company	Rs.	2607376486.84	0.00
9	Adjustment (+ / -) in amount charged by coal / Lignite Company	Rs.	3709203.82-	0.00
10	Handling, Sampling and such other Similar charges	Rs.	212261919.01	0.00
11	Total Amount charged (8 +9+10)	Rs.	2815929202.03	0.00
D)	TRANSPORTATION			
12	Transportation charges by Rail / Ship / Road Transport	Rs.	155443897.50	0.00
13	Adjustment (+/-) in amount charged by railways / transport company	Rs.	0.00	0.00
14	Demurrage charges, if any	Rs.	863910.00	0.00
15	Cost of diesel in transporting Coal through MGR system, if applicable	Rs.	24993049.34	0.00
16	Total transportation charges (12+/- 13 - 14 + 15)	Rs.	179573036.84	0.00
17	Total amount charged for Coal / Lignite supplied including transportation (11 + 16)	Rs.	2995502238.87	0.00
E)	TOTAL COST			
18	Landed Cost of Coal/Lignite (2+17) / (1+7)	Rs./MT	2018.27	12854.16
19	Blending Ratio (Domestic/Imported)	%	99.99	0.01
20	Weighted average cost of Coal /Lignite (Including biomass)	Rs./MT	2019.56	
20.10	Weighted average cost of Coal /Lignite (Excluding biomass)	Rs./MT	2019.56	2019.56
F)	QUALITY			
21	GCV of Domestic coal of the opening coal stock as per bill of coal company	kCal/Kg	3556	0
22	GCV of Domestic coal supplied as per bill of coal company	kCal/Kg	3566	0
23	GCV of Imported coal of the opening coal stock as per bill of coal company	kCal/Kg	0	5950
24	GCV of Imported coal supplied as per bill of coal company	kCal/Kg	0	5950
25	Weighted average GCV of Coal /Lignite as billed (Including biomass)	kCal/Kg	3563	
25.10	Weighted average GCV of Coal /Lignite as billed (Excluding biomass)	kCal/Kg	3563	3563
26	GCV of Domestic coal of the Opening stock as received at station	kCal/Kg	3345	0
27	GCV of Domestic coal/biomass supplied as received at station	kCal/Kg	3207	0
28	GCV of Imported coal of the Opening stock as received at station	kCal/Kg	0	4998
29	GCV of Imported coal supplied as received at station	kCal/Kg	0	4998
30	Weighted average GCV of coal/ Lignite as Received (Including biomass)	kCal/Kg	3255	
30.10	Weighted average GCV of coal/ Lignite as Received (Excluding biomass)	kCal/Kg	3255	3255

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

Name of the Petitioner:
Name of the Generating Station

NTPC Limited
TSTPS

Stage-1

S. No.	Month	Unit	Apr-23	
			HFO	LDO
			M1149201055	M1149200900
A)	OPENING QUANTITY			
1	Opening Stock of Oil	(KL)	2931.07	4706.28
2	Value of Opening Stock	(Rs.)	176046912.48	393814834.97
B)	QUANTITY			
3	Quantity of LDO supplied by Oil company	(KL)	0.00	0.00
4	Adjustment(+/-) in qty.supplied made by Oil Company	(KL)	0.00	0.00
5	LDO supplied by Oil company (3+4)	(KL)	0.00	0.00
6	Normative transit & Handling losses	(KL)	0.00	0.00
7	Net Oil supplied (5-6)	(KL)	0.00	0.00
C)	PRICE			
8	Amount charged by Oil Company	(Rs.)	0.00	0.00
9	Adjustment (+/-) in amount charged by Oil Company	(Rs.)	0.00	0.00
10	Handling, Sampling and such other similar charges	(Rs.)	0.00	0.00
11	Total amount Charged (8+9+10)	(Rs.)	0.00	0.00
D)	TRANSPORTATION			
12	Transportation charges by rail/ship/road transport	(Rs.)	0.00	0.00
13	Adjustment(+/-) in amount made by Railways/ Transport Company	(Rs.)	0.00	0.00
14	Demurrage Charges, if any	(Rs.)	0.00	0.00
15	Total Transportation Charges (12+13+14+15)	(Rs.)	0.00	0.00
16	Other Charges	(Rs.)	0.00	0.00
17	Total Amount charged for Oil supplied including transportation (11+15+16)	(Rs.)	0.00	0.00
E)	TOTAL COST			
18	Weighted average cost of Oil	(Rs./KL)	60062.27	83678.58
19	Blending Ratio(Quantity)		0.00	98.00
20	Weighted Average Cost of Secondary Fuel/ For the month	(Rs./KL)	83678.58	
F)	QUALITY			
21	GCV of Domestic Secondary Fuel of the opening stock as per bill of Secondary Fuel Company	Kcal/KL	9995.00	9902.00
22	GCV of Domestic Secondary Fuel supplied as per bill of Secondary Fuel Company,	Kcal/KL	0.00	0.00
23	GCV of Imported Secondary Fuel of the opening stock as per bill of Secondary Fuel Company,	Kcal/KL	NA	NA
24	GCV of Imported Secondary Fuel supplied as per bill of Secondary Fuel Company	Kcal/KL	NA	NA
25	Weighted average GCV of Secondary Fuel/ as Billed	Kcal/KL	9902.00	
26	GCV of Domestic Secondary Fuel of the opening stock as received at Station	Kcal/KL	9995.00	9902.00
27	GCV of Domestic Secondary Fuel supplied as received at Station	Kcal/KL	0.00	0.00
28	GCV of Imported Secondary Fuel of opening stock as received at Station	Kcal/KL	NA	NA
29	GCV of Imported Secondary Fuel of supplied as received at Station	Kcal/KL	NA	NA
30	Weighted average GCV of Secondary Fuel/ as Received	Kcal/KL	9902.00	

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

Name of the Petitioner:
Name of the Generating Station

NTPC Limited
TSTPS

Stage-1

S. No.	Month	Unit	May-23	
			HFO	LDO
			M1149201055	M1149200900
A)	OPENING QUANTITY			
1	Opening Stock of Oil	(KL)	2931.07	4605.28
2	Value of Opening Stock	(Rs.)	176046912.48	385363298.23
B)	QUANTITY			
3	Quantity of LDO supplied by Oil company	(KL)	0.00	0.00
4	Adjustment(+/-) in qty.supplied made by Oil Company	(KL)	0.00	0.00
5	LDO supplied by Oil company (3+4)	(KL)	0.00	0.00
6	Normative transit & Handling losses	(KL)	0.00	0.00
7	Net Oil supplied (5-6)	(KL)	0.00	0.00
C)	PRICE			
8	Amount charged by Oil Company	(Rs.)	0.00	0.00
9	Adjustment (+/-) in amount charged by Oil Company	(Rs.)	0.00	0.00
10	Handling, Sampling and such other similar charges	(Rs.)	0.00	0.00
11	Total amount Charged (8+9+10)	(Rs.)	0.00	0.00
D)	TRANSPORTATION			
12	Transportation charges by rail/ship/road transport	(Rs.)	0.00	0.00
13	Adjustment(+/-) in amount made by Railways/ Transport Company	(Rs.)	0.00	0.00
14	Demurrage Charges, if any	(Rs.)	0.00	0.00
15	Total Transportation Charges (12+13+14+15)	(Rs.)	0.00	0.00
16	Other Charges	(Rs.)	0.00	0.00
17	Total Amount charged for Oil supplied including transportation (11+15+16)	(Rs.)	0.00	0.00
E)	TOTAL COST			
18	Weighted average cost of Oil	(Rs./KL)	60062.27	83678.58
19	Blending Ratio(Quantity)		0.00	650.00
20	Weighted Average Cost of Secondary Fuel/ For the month	(Rs./KL)	83678.58	
F)	QUALITY			
21	GCV of Domestic Secondary Fuel of the opening stock as per bill of Secondary Fuel Company	Kcal/KL	9995.00	9902.00
22	GCV of Domestic Secondary Fuel supplied as per bill of Secondary Fuel Company,	Kcal/KL	0.00	0.00
23	GCV of Imported Secondary Fuel of the opening stock as per bill of Secondary Fuel Company,	Kcal/KL	NA	NA
24	GCV of Imported Secondary Fuel supplied as per bill of Secondary Fuel Company	Kcal/KL	NA	NA
25	Weighted average GCV of Secondary Fuel/ as Billed	Kcal/KL	9902.00	
26	GCV of Domestic Secondary Fuel of the opening stock as received at Station	Kcal/KL	9995.00	9902.00
27	GCV of Domestic Secondary Fuel supplied as received at Station	Kcal/KL	0.00	0.00
28	GCV of Imported Secondary Fuel of opening stock as received at Station	Kcal/KL	NA	NA
29	GCV of Imported Secondary Fuel of supplied as received at Station	Kcal/KL	NA	NA
30	Weighted average GCV of Secondary Fuel/ as Received	Kcal/KL	9902.00	

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

Name of the Petitioner:
Name of the Generating Station

NTPC Limited
TSTPS

Stage-1

S. No.	Month	Unit	Jun-23	
			HFO	LDO
			M1149201055	M1149200900
A)	OPENING QUANTITY			
1	Opening Stock of Oil	(KL)	2931.07	3909.28
2	Value of Opening Stock	(Rs.)	176046912.48	327123005.44
B)	QUANTITY			
3	Quantity of LDO supplied by Oil company	(KL)	0.00	0.00
4	Adjustment(+/-) in qty.supplied made by Oil Company	(KL)	0.00	0.00
5	LDO supplied by Oil company (3+4)	(KL)	0.00	0.00
6	Normative transit & Handling losses	(KL)	0.00	0.00
7	Net Oil supplied (5-6)	(KL)	0.00	0.00
C)	PRICE			
8	Amount charged by Oil Company	(Rs.)	0.00	0.00
9	Adjustment (+/-) in amount charged by Oil Company	(Rs.)	0.00	0.00
10	Handling, Sampling and 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 made by Railways/ Transport Company	(Rs.)	0.00	0.00
14	Demurrage Charges, if any	(Rs.)	0.00	0.00
15	Total Transportation Charges (12+13+14+15)	(Rs.)	0.00	0.00
16	Other Charges	(Rs.)	0.00	0.00
17	Total Amount charged for Oil supplied including transportation (11+15+16)	(Rs.)	0.00	0.00
E)	TOTAL COST			
18	Weighted average cost of Oil	(Rs./KL)	60062.27	83678.58
19	Blending Ratio(Quantity)		0.00	64.00
20	Weighted Average Cost of Secondary Fuel/ For the month	(Rs./KL)	83678.58	
F)	QUALITY			
21	GCV of Domestic Secondary Fuel of the opening stock as per bill of Secondary Fuel Company	Kcal/KL	9995.00	9902.00
22	GCV of Domestic Secondary Fuel supplied as per bill of Secondary Fuel Company,	Kcal/KL	0.00	0.00
23	GCV of Imported Secondary Fuel of the opening stock as per bill of Secondary Fuel Company,	Kcal/KL	NA	NA
24	GCV of Imported Secondary Fuel supplied as per bill of Secondary Fuel Company	Kcal/KL	NA	NA
25	Weighted average GCV of Secondary Fuel/ as Billed	Kcal/KL	9902.00	
26	GCV of Domestic Secondary Fuel of the opening stock as received at Station	Kcal/KL	9995.00	9902.00
27	GCV of Domestic Secondary Fuel supplied as received at Station	Kcal/KL	0.00	0.00
28	GCV of Imported Secondary Fuel of opening stock as received at Station	Kcal/KL	NA	NA
29	GCV of Imported Secondary Fuel of supplied as received at Station	Kcal/KL	NA	NA
30	Weighted average GCV of Secondary Fuel/ as Received	Kcal/KL	9902.00	

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

Name of the Petitioner:
Name of the Generating Station

NTPC Limited
TSTPS

Stage-1

S. No.	Month	Unit	Jul-23	
			HFO	LDO
			M1149201055	M1149200900
A)	OPENING QUANTITY			
1	Opening Stock of Oil	(KL)	2931.07	3840.28
2	Value of Opening Stock	(Rs.)	176046912.48	321349183.31
B)	QUANTITY			
3	Quantity of LDO supplied by Oil company	(KL)	0.00	0.00
4	Adjustment(+/-) in qty.supplied made by Oil Company	(KL)	0.00	0.00
5	LDO supplied by Oil company (3+4)	(KL)	0.00	0.00
6	Normative transit & Handling losses	(KL)	0.00	0.00
7	Net Oil supplied (5-6)	(KL)	0.00	0.00
C)	PRICE			
8	Amount charged by Oil Company	(Rs.)	0.00	0.00
9	Adjustment (+/-) in amount charged by Oil Company	(Rs.)	0.00	0.00
10	Handling, Sampling and 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 made by Railways/ Transport Company	(Rs.)	0.00	0.00
14	Demurrage Charges, if any	(Rs.)	0.00	0.00
15	Total Transportation Charges (12+13+14+15)	(Rs.)	0.00	0.00
16	Other Charges	(Rs.)	0.00	0.00
17	Total Amount charged for Oil supplied including transportation (11+15+16)	(Rs.)	0.00	0.00
E)	TOTAL COST			
18	Weighted average cost of Oil	(Rs./KL)	60062.27	83678.58
19	Blending Ratio(Quantity)		0.00	332.00
20	Weighted Average Cost of Secondary Fuel/ For the month	(Rs./KL)	83678.58	
F)	QUALITY			
21	GCV of Domestic Secondary Fuel of the opening stock as per bill of Secondary Fuel Company	Kcal/KL	9995.00	9902.00
22	GCV of Domestic Secondary Fuel supplied as per bill of Secondary Fuel Company,	Kcal/KL	0.00	0.00
23	GCV of Imported Secondary Fuel of the opening stock as per bill of Secondary Fuel Company,	Kcal/KL	NA	NA
24	GCV of Imported Secondary Fuel supplied as per bill of Secondary Fuel Company	Kcal/KL	NA	NA
25	Weighted average GCV of Secondary Fuel/ as Billed	Kcal/KL	9993.00	
26	GCV of Domestic Secondary Fuel of the opening stock as received at Station	Kcal/KL	9995.00	9902.00
27	GCV of Domestic Secondary Fuel supplied as received at Station	Kcal/KL	0.00	0.00
28	GCV of Imported Secondary Fuel of opening stock as received at Station	Kcal/KL	NA	NA
29	GCV of Imported Secondary Fuel of supplied as received at Station	Kcal/KL	NA	NA
30	Weighted average GCV of Secondary Fuel/ as Received	Kcal/KL	9902.00	

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

Name of the Petitioner:
Name of the Generating Station

NTPC Limited
TSTPS

Stage-1

S. No.	Month	Unit	Aug-23	
			HFO	LDO
			M1149201055	M1149200900
A)	OPENING QUANTITY			
1	Opening Stock of Oil	(KL)	2040.07	3488.28
2	Value of Opening Stock	(Rs.)	122531425.48	291894322.59
B)	QUANTITY			
3	Quantity of LDO supplied by Oil company	(KL)	0.00	0.00
4	Adjustment(+/-) in qnty.supplied made by Oil Company	(KL)	0.00	0.00
5	LDO supplied by Oil company (3+4)	(KL)	0.00	0.00
6	Normative transit & Handling losses	(KL)	0.00	0.00
7	Net Oil supplied (5-6)	(KL)	0.00	0.00
C)	PRICE			
8	Amount charged by Oil Company	(Rs.)	0.00	0.00
9	Adjustment (+/-) in amount charged by Oil Company	(Rs.)	0.00	0.00
10	Handling, Sampling and 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 made by Railways/ Transport Company	(Rs.)	0.00	0.00
14	Demurrage Charges, if any	(Rs.)	0.00	0.00
15	Total Transportation Charges (12+13+14+15)	(Rs.)	0.00	0.00
16	Other Charges	(Rs.)	0.00	0.00
17	Total Amount charged for Oil supplied including transportation (11+15+16)	(Rs.)	0.00	0.00
E)	TOTAL COST			
18	Weighted average cost of Oil	(Rs./KL)	60062.27	83678.58
19	Blending Ratio(Quantity)		0.00	532.00
20	Weighted Average Cost of Secondary Fuel/ For the month	(Rs./KL)	83678.58	
F)	QUALITY			
21	GCV of Domestic Secondary Fuel of the opening stock as per bill of Secondary Fuel Company	Kcal/KL	9995.00	9902.00
22	GCV of Domestic Secondary Fuel supplied as per bill of Secondary Fuel Company,	Kcal/KL	0.00	0.00
23	GCV of Imported Secondary Fuel of the opening stock as per bill of Secondary Fuel Company,	Kcal/KL	NA	NA
24	GCV of Imported Secondary Fuel supplied as per bill of Secondary Fuel Company	Kcal/KL	NA	NA
25	Weighted average GCV of Secondary Fuel/ as Billed	Kcal/KL	9902.00	
26	GCV of Domestic Secondary Fuel of the opening stock as received at Station	Kcal/KL	9995.00	9902.00
27	GCV of Domestic Secondary Fuel supplied as received at Station	Kcal/KL	0.00	0.00
28	GCV of Imported Secondary Fuel of opening stock as received at Station	Kcal/KL	NA	NA
29	GCV of Imported Secondary Fuel of supplied as received at Station	Kcal/KL	NA	NA
30	Weighted average GCV of Secondary Fuel/ as Received	Kcal/KL	9902.00	

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

Name of the Petitioner:
Name of the Generating Station

NTPC Limited
TSTPS

Stage-1

S. No.	Month	Unit	Sep-23	
			HFO	LDO
			M1149201055	M1149200900
A)	OPENING QUANTITY			
1	Opening Stock of Oil	(KL)	2040.07	2793.28
2	Value of Opening Stock	(Rs.)	122531425.48	233737708.39
B)	QUANTITY			
3	Quantity of LDO supplied by Oil company	(KL)	0.00	2970.63
4	Adjustment(+/-) in qty.supplied made by Oil Company	(KL)	0.00	0.00
5	LDO supplied by Oil company (3+4)	(KL)	0.00	2970.63
6	Normative transit & Handling losses	(KL)	0.00	0.00
7	Net Oil supplied (5-6)	(KL)	0.00	2970.63
C)	PRICE			
8	Amount charged by Oil Company	(Rs.)	0.00	264549669.00
9	Adjustment (+/-) in amount charged by Oil Company	(Rs.)	0.00	0.00
10	Handling, Sampling and such other similar charges	(Rs.)	0.00	0.00
11	Total amount Charged (8+9+10)	(Rs.)	0.00	264549669.00
D)	TRANSPORATION			
12	Transportation charges by rail/ship/road transport	(Rs.)	0.00	0.00
13	Adjustment(+/-) in amount made by Railways/ Transport Company	(Rs.)	0.00	0.00
14	Demurrage Charges, if any	(Rs.)	0.00	0.00
15	Total Transportation Charges (12+13+14+15)	(Rs.)	0.00	0.00
16	Other Charges	(Rs.)	0.00	0.00
17	Total Amount charged for Oil supplied including transportation (11+15+16)	(Rs.)	0.00	264549669.00
E)	TOTAL COST			
18	Weighted average cost of Oil	(Rs./KL)	60062.27	86449.54
19	Blending Ratio(Quantity)		0.00	4.00
20	Weighted Average Cost of Secondary Fuel/ For the month	(Rs./KL)	86449.54	
F)	QUALITY			
21	GCV of Domestic Secondary Fuel of the opening stock as per bill of Secondary Fuel Company	Kcal/KL	9995.00	9902.00
22	GCV of Domestic Secondary Fuel supplied as per bill of Secondary Fuel Company,	Kcal/KL	0.00	9987.00
23	GCV of Imported Secondary Fuel of the opening stock as per bill of Secondary Fuel Company,	Kcal/KL	NA	NA
24	GCV of Imported Secondary Fuel supplied as per bill of Secondary Fuel Company	Kcal/KL	NA	NA
25	Weighted average GCV of Secondary Fuel/ as Billed	Kcal/KL	9899.00	
26	GCV of Domestic Secondary Fuel of the opening stock as received at Station	Kcal/KL	9995.00	9902.00
27	GCV of Domestic Secondary Fuel supplied as received at Station	Kcal/KL	0.00	9987.00
28	GCV of Imported Secondary Fuel of opening stock as received at Station	Kcal/KL	NA	NA
29	GCV of Imported Secondary Fuel of supplied as received at Station	Kcal/KL	NA	NA
30	Weighted average GCV of Secondary Fuel/ as Received	Kcal/KL	9899.00	

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

Name of the Petitioner:
Name of the Generating Station

NTPC Limited
TSTPS

Stage-1

S. No.	Month	Unit	Oct-23	
			HFO	LDO
			M1149201055	M1149200900
A)	OPENING QUANTITY			
1	Opening Stock of Oil	(KL)	1187.07	5754.91
2	Value of Opening Stock	(Rs.)	71298304.93	497509331.51
B)	QUANTITY			
3	Quantity of LDO supplied by Oil company	(KL)	0.00	0.00
4	Adjustment(+/-) in qty.supplied made by Oil Company	(KL)	0.00	0.00
5	LDO supplied by Oil company (3+4)	(KL)	0.00	0.00
6	Normative transit & Handling losses	(KL)	0.00	0.00
7	Net Oil supplied (5-6)	(KL)	0.00	0.00
C)	PRICE			
8	Amount charged by Oil Company	(Rs.)	0.00	0.00
9	Adjustment (+/-) in amount charged by Oil Company	(Rs.)	0.00	0.00
10	Handling, Sampling and such other similar charges	(Rs.)	0.00	0.00
11	Total amount Charged (8+9+10)	(Rs.)	0.00	0.00
D)	TRANSPORTATION			
12	Transportation charges by rail/ship/road transport	(Rs.)	0.00	0.00
13	Adjustment(+/-) in amount made by Railways/ Transport Company	(Rs.)	0.00	0.00
14	Demurrage Charges, if any	(Rs.)	0.00	0.00
15	Total Transportation Charges (12+13+14+15)	(Rs.)	0.00	0.00
16	Other Charges	(Rs.)	0.00	0.00
17	Total Amount charged for Oil supplied including transportation (11+15+16)	(Rs.)	0.00	0.00
E)	TOTAL COST			
18	Weighted average cost of Oil	(Rs./KL)	60062.27	86449.54
19	Blending Ratio(Quantity)		0.00	120.00
20	Weighted Average Cost of Secondary Fuel/ For the month	(Rs./KL)	86449.54	
F)	QUALITY			
21	GCV of Domestic Secondary Fuel of the opening stock as per bill of Secondary Fuel Company	Kcal/KL	9995.00	9899.00
22	GCV of Domestic Secondary Fuel supplied as per bill of Secondary Fuel Company,	Kcal/KL	0.00	0.00
23	GCV of Imported Secondary Fuel of the opening stock as per bill of Secondary Fuel Company,	Kcal/KL	NA	NA
24	GCV of Imported Secondary Fuel supplied as per bill of Secondary Fuel Company	Kcal/KL	NA	NA
25	Weighted average GCV of Secondary Fuel/ as Billed	Kcal/KL	9899.00	
26	GCV of Domestic Secondary Fuel of the opening stock as received at Station	Kcal/KL	9995.00	9899.00
27	GCV of Domestic Secondary Fuel supplied as received at Station	Kcal/KL	0.00	0.00
28	GCV of Imported Secondary Fuel of opening stock as received at Station	Kcal/KL	NA	NA
29	GCV of Imported Secondary Fuel of supplied as received at Station	Kcal/KL	NA	NA
30	Weighted average GCV of Secondary Fuel/ as Received	Kcal/KL	9899.00	

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

Name of the Petitioner:
Name of the Generating Station

NTPC Limited
TSTPS

Stage-1

S. No.	Month	Unit	Nov-23	
			HFO	LDO
			M1149201055	M1149200900
A)	OPENING QUANTITY			
1	Opening Stock of Oil	(KL)	1187.07	5589.91
2	Value of Opening Stock	(Rs.)	71298304.93	483245157.15
B)	QUANTITY			
3	Quantity of LDO supplied by Oil company	(KL)	0.00	0.00
4	Adjustment(+/-) in qty.supplied made by Oil Company	(KL)	0.00	0.00
5	LDO supplied by Oil company (3+4)	(KL)	0.00	0.00
6	Normative transit & Handling losses	(KL)	0.00	0.00
7	Net Oil supplied (5-6)	(KL)	0.00	0.00
C)	PRICE			
8	Amount charged by Oil Company	(Rs.)	0.00	0.00
9	Adjustment (+/-) in amount charged by Oil Company	(Rs.)	0.00	0.00
10	Handling, Sampling and such other similar charges	(Rs.)	0.00	0.00
11	Total amount Charged (8+9+10)	(Rs.)	0.00	0.00
D)	TRANSPORTATION			
12	Transportation charges by rail/ship/road transport	(Rs.)	0.00	0.00
13	Adjustment(+/-) in amount made by Railways/ Transport Company	(Rs.)	0.00	0.00
14	Demurrage Charges, if any	(Rs.)	0.00	0.00
15	Total Transportation Charges (12+13+14+15)	(Rs.)	0.00	0.00
16	Other Charges	(Rs.)	0.00	0.00
17	Total Amount charged for Oil supplied including transportation (11+15+16)	(Rs.)	0.00	0.00
E)	TOTAL COST			
18	Weighted average cost of Oil	(Rs./KL)	60062.27	86449.54
19	Blending Ratio(Quantity)		0.00	218.00
20	Weighted Average Cost of Secondary Fuel/ For the month	(Rs./KL)	86449.54	
F)	QUALITY			
21	GCV of Domestic Secondary Fuel of the opening stock as per bill of Secondary Fuel Company	Kcal/KL	9995.00	9899.00
22	GCV of Domestic Secondary Fuel supplied as per bill of Secondary Fuel Company,	Kcal/KL	0.00	0.00
23	GCV of Imported Secondary Fuel of the opening stock as per bill of Secondary Fuel Company,	Kcal/KL	NA	NA
24	GCV of Imported Secondary Fuel supplied as per bill of Secondary Fuel Company	Kcal/KL	NA	NA
25	Weighted average GCV of Secondary Fuel/ as Billed	Kcal/KL	9899.00	
26	GCV of Domestic Secondary Fuel of the opening stock as received at Station	Kcal/KL	9995.00	9899.00
27	GCV of Domestic Secondary Fuel supplied as received at Station	Kcal/KL	0.00	0.00
28	GCV of Imported Secondary Fuel of opening stock as received at Station	Kcal/KL	NA	NA
29	GCV of Imported Secondary Fuel of supplied as received at Station	Kcal/KL	NA	NA
30	Weighted average GCV of Secondary Fuel/ as Received	Kcal/KL	9899.00	

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

Name of the Petitioner:
Name of the Generating Station

NTPC Limited
TSTPS

Stage-1

S. No.	Month	Unit	Dec-23	
			HFO	LDO
			M1149201055	M1149200900
A)	OPENING QUANTITY			
1	Opening Stock of Oil	(KL)	1187.07	5367.91
2	Value of Opening Stock	(Rs.)	71298304.93	464053358.91
B)	QUANTITY			
3	Quantity of LDO supplied by Oil company	(KL)	0.00	0.00
4	Adjustment(+/-) in qty.supplied made by Oil Company	(KL)	0.00	0.00
5	LDO supplied by Oil company (3+4)	(KL)	0.00	0.00
6	Normative transit & Handling losses	(KL)	0.00	0.00
7	Net Oil supplied (5-6)	(KL)	0.00	0.00
C)	PRICE			
8	Amount charged by Oil Company	(Rs.)	0.00	0.00
9	Adjustment (+/-) in amount charged by Oil Company	(Rs.)	0.00	0.00
10	Handling, Sampling and 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 made by Railways/ Transport Company	(Rs.)	0.00	0.00
14	Demurrage Charges, if any	(Rs.)	0.00	0.00
15	Total Transportation Charges (12+13+14+15)	(Rs.)	0.00	0.00
16	Other Charges	(Rs.)	0.00	0.00
17	Total Amount charged for Oil supplied including transportation (11+15+16)	(Rs.)	0.00	0.00
E)	TOTAL COST			
18	Weighted average cost of Oil	(Rs./KL)	60062.27	86449.54
19	Blending Ratio(Quantity)		0.00	173.00
20	Weighted Average Cost of Secondary Fuel/ For the month	(Rs./KL)	86449.54	
F)	QUALITY			
21	GCV of Domestic Secondary Fuel of the opening stock as per bill of Secondary Fuel Company	Kcal/KL	9995.00	9899.00
22	GCV of Domestic Secondary Fuel supplied as per bill of Secondary Fuel Company,	Kcal/KL	0.00	0.00
23	GCV of Imported Secondary Fuel of the opening stock as per bill of Secondary Fuel Company,	Kcal/KL	NA	NA
24	GCV of Imported Secondary Fuel supplied as per bill of Secondary Fuel Company	Kcal/KL	NA	NA
25	Weighted average GCV of Secondary Fuel/ as Billed	Kcal/KL	9899.00	
26	GCV of Domestic Secondary Fuel of the opening stock as received at Station	Kcal/KL	9995.00	9899.00
27	GCV of Domestic Secondary Fuel supplied as received at Station	Kcal/KL	0.00	0.00
28	GCV of Imported Secondary Fuel of opening stock as received at Station	Kcal/KL	NA	NA
29	GCV of Imported Secondary Fuel of supplied as received at Station	Kcal/KL	NA	NA
30	Weighted average GCV of Secondary Fuel/ as Received	Kcal/KL	9899.00	

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

Name of the Petitioner:
Name of the Generating Station

NTPC Limited
TSTPS

Stage-1

S. No.	Month	Unit	Jan-24	
			HFO	LDO
			M1149201055	M1149200900
A)	OPENING QUANTITY			
1	Opening Stock of Oil	(KL)	1187.07	5047.91
2	Value of Opening Stock	(Rs.)	71298304.93	436389505.59
B)	QUANTITY			
3	Quantity of LDO supplied by Oil company	(KL)	0.00	0.00
4	Adjustment(+/-) in qty.supplied made by Oil Company	(KL)	0.00	0.00
5	LDO supplied by Oil company (3+4)	(KL)	0.00	0.00
6	Normative transit & Handling losses	(KL)	0.00	0.00
7	Net Oil supplied (5-6)	(KL)	0.00	0.00
C)	PRICE			
8	Amount charged by Oil Company	(Rs.)	0.00	0.00
9	Adjustment (+/-) in amount charged by Oil Company	(Rs.)	0.00	0.00
10	Handling, Sampling and 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 made by Railways/ Transport Company	(Rs.)	0.00	0.00
14	Demurrage Charges, if any	(Rs.)	0.00	0.00
15	Total Transportation Charges (12+13+14+15)	(Rs.)	0.00	0.00
16	Other Charges	(Rs.)	0.00	0.00
17	Total Amount charged for Oil supplied including transportation (11+15+16)	(Rs.)	0.00	0.00
E)	TOTAL COST			
18	Weighted average cost of Oil	(Rs./KL)	60062.27	86449.54
19	Blending Ratio(Quantity)		0.00	18.00
20	Weighted Average Cost of Secondary Fuel/ For the month	(Rs./KL)	86449.54	
F)	QUALITY			
21	GCV of Domestic Secondary Fuel of the opening stock as per bill of Secondary Fuel Company	Kcal/KL	9995.00	9899.00
22	GCV of Domestic Secondary Fuel supplied as per bill of Secondary Fuel Company,	Kcal/KL	0.00	0.00
23	GCV of Imported Secondary Fuel of the opening stock as per bill of Secondary Fuel Company,	Kcal/KL	NA	NA
24	GCV of Imported Secondary Fuel supplied as per bill of Secondary Fuel Company	Kcal/KL	NA	NA
25	Weighted average GCV of Secondary Fuel/ as Billed	Kcal/KL	9995.00	
26	GCV of Domestic Secondary Fuel of the opening stock as received at Station	Kcal/KL	9995.00	9899.00
27	GCV of Domestic Secondary Fuel supplied as received at Station	Kcal/KL	0.00	0.00
28	GCV of Imported Secondary Fuel of opening stock as received at Station	Kcal/KL	NA	NA
29	GCV of Imported Secondary Fuel of supplied as received at Station	Kcal/KL	NA	NA
30	Weighted average GCV of Secondary Fuel/ as Received	Kcal/KL	9899.00	

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Details of Sourcwise fuel for computation of Energy Charges

Company	NTPC Limited
Name of the generating Station	Talcher Super Thermal Power(STAGE 01)
Month	February-2024

SL	Particulars	Unit	LDO	HFO	HSD
A)	OPENING QUANTITY				
1	Opening Stock Of Oil	KL	5029.910	1067.070	0.000
2	Value Of Stock	Rs.	434833413.84	64090831.94	0.00
B)	QUANTITY				
3	Quantity Of Oil Supplied By Oil Company	KL	0.000	0.000	0.000
4	Adjustment (+/-) In Quantity Supplied Made By Oil Company	KL	0.000	0.000	0.000
5	Oil Supplied By Oil Company (3+4)	KL	0.000	0.000	0.000
6	Normative Transit & Handling Losses	KL	0.000	0.000	0.000
7	Net Oil Supplied (5 - 6)	KL	0.000	0.000	0.000
C)	PRICE				
8	Amount Charged By The Oil Company	Rs.	0.00	0.00	0.00
9	Adjustment (+/-) In Amount Charged By Oil Company	Rs.	0.00	0.00	0.00
10	Handling, Sampling And Such Other Similar Charges	Rs.	0.00	0.00	0.00
11	Total Amount Charged (8 +9+10)	Rs.	0.00	0.00	0.00
D)	TRANSPORTATION				
12	Transportation Charges By Rail / Ship / Road Transport	Rs.	0.00	0.00	0.00
13	Adjustment (+/-) In Amount Charged By Railways/Transport	Rs.	0.00	0.00	0.00
14	Demurrage Charges, If Any	Rs.	0.00	0.00	0.00
15	Cost Of Diesel In Transporting Coal Through MGR System	Rs.	0.00	0.00	0.00
16	Total Transportation Charges (12+/- 13 - 14 + 15)	Rs.	0.00	0.00	0.00
17	Total Amount Charged For Oil Supplied Incl Transportation (11+16)	Rs.	0.00	0.00	0.00
E)	TOTAL COST				
18	Landed Cost Of Oil (LDO/HFO) (2+17) / (1+7)	Rs.	86449.54	60062.44	0.00
19	Blending Ratio		0.101	0.899	0.000
20	Weighted Average Cost Of Oil	Rs.	62727.54		
F)	QUALITY				
21	GCV Of Oil Of The Opening Stock As Per Bill Of Oil Company	Kcal/Ltr	0	0	0
22	GCV Of Oil Supplied As Per Bill Of Oil Company	Kcal/Ltr	0	0	0
23	GCV Of Imported Oil Of The Op Stock As Per Bill Of Oil Company	Kcal/Ltr	0	0	0
24	GCV Of Imported Oil Supplied As Per Bill Of Oil Company	Kcal/Ltr	0	0	0
25	Weighted Average GCV Of Oil As Billed	Kcal/Ltr	0	0	0
26	GCV Of Oil Of The Opening Stock As Received At Station	Kcal/Ltr	0	0	0
27	GCV Of Oil Supplied	Kcal/Ltr	9899	9995	0
28	GCV Of Imported Oil Of The Opening Stock As Received At Station	Kcal/Ltr	0	0	0
29	GCV Of Imported Oil Supplied As Received At Station	Kcal/Ltr	0	0	0
30	Weighted Average GCV Of Oil	Kcal/Ltr	9985		

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Details of Sourcwise fuel for computation of Energy Charges

Company	NTPC Limited
Name of the generating Station	Talcher Super Thermal Power(STAGE 01)
Month	March-2024

SL	Particulars	Unit	LDO	HFO	HSD
A)	OPENING QUANTITY				
1	Opening Stock Of Oil	KL	4905.910	0.000	0.000
2	Value Of Stock	Rs.	424113670.68	0.00	0.00
B)	QUANTITY				
3	Quantity Of Oil Supplied By Oil Company	KL	0.000	0.000	0.000
4	Adjustment (+/-) In Quantity Supplied Made By Oil Company	KL	0.000	0.000	0.000
5	Oil Supplied By Oil Company (3+4)	KL	0.000	0.000	0.000
6	Normative Transit & Handling Losses	KL	0.000	0.000	0.000
7	Net Oil Supplied (5 - 6)	KL	0.000	0.000	0.000
C)	PRICE				
8	Amount Charged By The Oil Company	Rs.	0.00	0.00	0.00
9	Adjustment (+/-) In Amount Charged By Oil Company	Rs.	0.00	0.00	0.00
10	Handling, Sampling And Such Other Similar Charges	Rs.	0.00	0.00	0.00
11	Total Amount Charged (8 +9+10)	Rs.	0.00	0.00	0.00
D)	TRANSPORTATION				
12	Transportation Charges By Rail / Ship / Road Transport	Rs.	0.00	0.00	0.00
13	Adjustment (+/-) In Amount Charged By Railways/Transport	Rs.	0.00	0.00	0.00
14	Demurrage Charges, If Any	Rs.	0.00	0.00	0.00
15	Cost Of Diesel In Transporting Oil Through MGR System	Rs.	0.00	0.00	0.00
16	Total Transportation Charges (12+/- 13 - 14 + 15)	Rs.	0.00	0.00	0.00
17	Total Amount Charged For Oil Supplied Incl Transportation (11+16)	Rs.	0.00	0.00	0.00
E)	TOTAL COST				
18	Landed Cost Of Oil (LDO/HFO) (2+17) / (1+7)	Rs.	86449.54	0.00	0.00
19	Blending Ratio		1.000	0.000	0.000
20	Weighted Average Cost Of Oil	Rs.	86449.54		
F)	QUALITY				
21	GCV Of Oil Of The Opening Stock As Per Bill Of Oil Company	Kcal/Ltr	0	0	0
22	GCV Of Oil Supplied As Per Bill Of Oil Company	Kcal/Ltr	0	0	0
23	GCV Of Imported Oil Of The Op Stock As Per Bill Of Oil Company	Kcal/Ltr	0	0	0
24	GCV Of Imported Oil Supplied As Per Bill Of Oil Company	Kcal/Ltr	0	0	0
25	Weighted Average GCV Of Oil As Billed	Kcal/Ltr	0	0	0
26	GCV Of Oil Of The Opening Stock As Received At Station	Kcal/Ltr	0	0	0
27	GCV Of Oil Supplied	Kcal/Ltr	9899	0	0
28	GCV Of Imported Oil Of The Opening Stock As Received At Station	Kcal/Ltr	0	0	0
29	GCV Of Imported Oil Supplied As Received At Station	Kcal/Ltr	0	0	0
30	Weighted Average GCV Of Oil	Kcal/Ltr	9899		

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