PETITION FOR DETERMINATION OF TARIFF

FOR

Dadri Gas Power Station

(From 01.04.2024 to 31.03.2029)

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 **Dadri Gas Power Station (829.78 MW) for the period for the period from 01.04.2024 to 31.03.2029**.

INDEX

BEFORE THE HON'BLE CENTRAL ELECTRICITY REGULATORY COMMISSION
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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. Uttar Pradesh Power Corp. Ltd. (UPPCL)
Shakti Bhawan
14, Ashok Marg
Lucknow – 226 001

2. Tata Power Delhi Distribution Ltd. (TPDDL)
Grid Substation, Hudson Road
Kingsway Camp, Delhi-110009

3. BSES Rajdhani Power Ltd. (BRPL)
BSES Bhawan, Nehru Place
New Delhi – 110019

4. BSES Yamuna Power Ltd. (BYPL)
Shakti Kiran Building
Karkardooma
Delhi- 110092

5 J&K State Power Trading Company Ltd
(on behalf of Power Development Department(PDD), J&K)
Civil Secretariat
Srinagar

6 Electricity Department (Chandigarh)
Union Territory of Chandigarh
Addl. Office Building
Sector-9 D
Chandigarh

7 Uttarakhand Power Corporation Ltd. (UPCL)
Urja Bhavan
Kanwali Road
Dehradun – 248 001

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. **Dadri Gas Power Station (829.78 MW)** (hereinafter referred to as **'Dadri GPS'** is one such station located in the State of Rajasthan. The power generated from Dadri GPS 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 Dadri GPS for the period from 01.04.2024 to 31.03.2029 as per the Tariff Regulations 2024.

6) The tariff of the Dadri GPS for the tariff period 1.4.2019 to 31.3.2024 was determined by the Hon'ble Commission vide its order dated 13.11.2021 in Petition No.400/GT/2020 in accordance with the CERC (Terms & Conditions of Tariff) Regulations 2019. The petitioner vide affidavit dated 05.11.2024 had filed a separate true up petition for the period 01.04.2019 to 31.03.2024 for revision of tariff in line with the applicable provisions of Tariff Regulations 2019.

7) It is submitted that Hon'ble Commission vide order dated 13.11.2021 in Petition No.400/GT/2020 has allowed a capital cost of Rs 99,237.15 Lakh as on 31.03.2024 based on the admitted projected capital expenditure for the 2019-24 period. However, the actual closing capital cost as on 31.03.2024 has been worked out in the foresaid true-up petition as Rs. 98,689.76 Lakh based on the actual expenditure after truing up exercise for the period 2019-24. Accordingly, the Petitioner has adjusted an amount of Rs. (-)547.39 Lakh from the admitted capital cost as on 31.03.2024 and accordingly the opening capital cost as on 01.04.2024 has been considered as Rs 98,689.76 Lakh in the instant petition.

The Hon'ble Commission may be pleased to accordingly adopt this adjustment in the admitted capital cost as on 31.3.2024 and determine the tariff in the present petition for the period 2024-29.

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

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

Description	**Remarks**
Type of Plant	Gas
Type of cooling water system	Closed Cycle
Rate of Water charges	Water Charge: Rs 12.48/1000 Cubicfeet Royalty: 6 Lakh/Cusec/Year
Total Water Charges	Rs. 49.14 lacs

10) Similarly, the Petitioner is claiming the security expenses based on the estimated expenses for the period 2024-29, the same shall be subject to retrospective adjustment based on actuals at the time of truing up. In respect of capital spares consumption, it is submitted that the same shall be claimed at the time of true-up in terms of the proviso to the Regulation 36(1)(6) based on actual consumption of spares during the period 2024-29.

11) 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.

12) 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 fuel 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 fuel also as per Form 15 of the Tariff Regulations, 2019.

13) However, in so far as the present Petition is concerned, the Petitioner has prepared & submitted the data of fuel 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 fuel 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 fuel for its existing plants month wise for the preceding 12 months i.e. for FY 2023-24 for computation of Interest on Working Capital.

14) 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 fuel as per the new format of Form-15.

15) 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.

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

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

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

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

18) 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/notices.

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

20) The filing fee for the instant Petition has been paid for FY 2024-25 vide Payment Reference 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.

21) 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 Dadri Gas Power Station (829.78MW) 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 the recovery of pay/wage revision as additional O&M over and above the normative O&M.

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

Petitioner

Noida
Date:25-11-2024

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 determination of tariff of **Dadri Gas Power Station (829.78 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. Uttar Pradesh Power Corp. Ltd.
(UPPCL)
Shakti Bhawan
14, Ashok Marg
Lucknow – 226 001
And others

NOTARIAL YOGENDRA SINGH AREA NOIDA G.B. NAGAR REGN. NO. 5-77/08 FIVE RUPEES NOTARIAL

AFFIDAVIT

I, Parimal Piyush, Son of Late Bharat Mishra, aged about 49 years, resident of IN1-2004, Inspire, Eldeco Aamantran, Sector-119, Noida (UP), do hereby solemnly affirm and state as follows:

1. That the deponent is the Additional General Manager (Commercial) of the Petitioner NTPC Ltd. and is well conversant with the facts and the circumstances of the case and therefore competent to swear this affidavit.

2. That the accompanying Petition under Section 62 and 79 (1) (a) of the Electricity Act, 2003, has been filed by my authorized representative under my instruction

NOTARY YOGENDRA SINGH AREA NOIDA G.B. NAGAR REGN. NO. 5-77/08 OF INDIA

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

Signature Not Verified
Digitally signed by PARIMAL PIYUSH
Date: 2024.11.27 11:49:54 IST
Reason: AGM(Commercial)
Location: NTPC Limited

and the contents of the same are true and correct to the best of my knowledge and belief.

3. That the contents of Para No.....1.....to.....21..... as mentioned in the Petition are true and correct based on my personal knowledge, belief and records maintained in the office.

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

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

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

Verification:

Verified at Noida on this ..... day of 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.

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

NOTARY YOGENDRA SINGH AREA NOIDA G.B. NAGAR REGN. NO. 9677/08 GOVT. OF INDIA

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

25 NOV 2024

Signature Not Verified
Digitally signed by PARIMAL SH
Date: 2024.11.27 11:49:54 IST
Reason: AGM(Commercial)
Location: NTPC Limited

TARIFF FILING FORMS (THERMAL)

PETITION FOR DETERMINATION OF TARIFF

FOR

Dadri Gas Power Station

(From 01.04.2024 to 31.03.2029)

PART-I

ANNEXURE-I

Checklist of Main 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- 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- 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	✓
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 Seconday 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	***

**** Additional Forms**

Provided yearwise for the period 2024-29

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

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**

Provided yearwise for the period 2024-29

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

List of supporting documents for tariff filing for Thermal Stations

S. No.	Information / Document	Tick
1	Certificate of incorporation, Certificate for Commencement of Business, Memorandum of Association, & Articles of Association (For New Station setup by a company making tariff application for the first time to CERC)	NA
2	A. Station wise and Corporate audited Balance Sheet and Profit & Loss Accounts with all the Schedules & annexures on COD of the Station for the new station & for the relevant years.	***
	B. Station wise and Corporate audited Balance Sheet and Profit & Loss Accounts with all the Schedules & annexures for the existing station for relevant years.	
3	Copies of relevant loan Agreements	NA
4	Copies of the approval of Competent Authority for the Capital Cost and Financial package.	NA
5	Copies of the Equity participation agreements and necessary approval for the foreign equity.	NA
6	Copies of the BPSA/PPA with the beneficiaries, if any	NA
7	Detailed note giving reasons of cost and time over run, if applicable.	NA
	List of supporting documents to be submitted:	
	a. Detailed Project Report	
	b. CPM Analysis	
	c. PERT Chart and Bar Chart	
	d. Justification for cost and time Overrun	
8	Generating Company shall submit copy of Cost Audit Report along with cost accounting records, cost details, statements, schedules etc. for the Generating Unit wise /stage wise/Station wise/ and subsequently consolidated at Company level as submitted to the Govt. of India for first two years i.e. 2019-20 and 2020-21 at the time of mid-term true-up in 2021-22 and for balance period of tariff period 2019-24 at the time of final true-up in 2024-25. In case of initial tariff filing the latest available Cost Audit Report should be furnished.	***
9	Any other relevant information, (Please specify)	NA
10	Reconciliation with Balance sheet of any actual additional capitalization and amongst stages of a generating station	***
11	BBMB is maintaining the records as per the relevant applicable Acts. Formats specified herein may not be suitable to the available information with BBMB. BBMB may modify the formats suitably as per available information to them for submission of required information for tariff purpose.	NA

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

PART-I

FORM- 1

Summary of Tariff

	Name of the Petitioner:	**NTPC Limited**
	Name of the Generating Station:	**Dadri Gas Power Station**
	Place (Region/District/State):	**Northern Region/ G B Nagar/ Uttar Pradesh**

Amount in Rs. Lakh

S. No.	Particulars	Unit	Existing 2023-24	2024-25	2025-26	2026-27	2027-28	2028-29
1	2	3	4	5	6	7	8	9
1.1	Depreciation	Rs Lakh	309.43	45.43	40.00	80.93	80.93	80.93
1.2	Interest on Loan	Rs Lakh	3.36	-	6.00	8.77	2.77	-
1.3	Return on Equity	Rs Lakh	5,562.24	5,561.79	5,570.49	5,578.18	5,578.18	5,578.18
1.4	Interest on Working Capital	Rs Lakh	33,357.13	16,136.44	16,190.01	16,246.48	16,303.72	16,367.68
1.5	O&M Expenses	Rs Lakh	18,780.73	16,544.66	17,417.86	18,328.27	19,292.70	20,311.38
	Total	Rs Lakh	**58,012.89**	**38,288.32**	**39,224.36**	**40,242.62**	**41,258.29**	**42,338.16**
2.1	Landed Fuel Cost (Domestic gas)	Rs/1000SCM	9168.84	0.00	0.00	0.00	0.00	0.00
	(%) of Fuel Quantity	(%)	0.00	0.00	0.00	0.00	0.00	0.00
2.2	Landed Fuel Cost (RLNG)	Rs/1000SCM	58336.05	52511.92	52511.92	52511.92	52511.92	52511.92
	(%) of Fuel Quantity	(%)	43.59	64.29	64.29	64.29	64.29	64.29
2.3	Landed Fuel Cost (C-RLNG)	Rs/1000SCM	84330.82	0.00	0.00	0.00	0.00	0.00
	(%) of Fuel Quantity	(%)	56.33	0.00	0.00	0.00	0.00	0.00
2.4	Landed Fuel Cost (Naptha)	Rs/Kl	114128.23	93123.82	93123.82	93123.82	93123.82	93123.82
	(%) of Fuel Quantity	(%)	0.08	0.04	0.04	0.04	0.04	0.04
2.5	Secondary fuel oil cost (ex-bus)	Rs/Kwh	NA					
2.6	**Energy Charge Rate (Domestic Gas) ex-bus-CC**	**Rs/Kwh**	2.01	0.00	0.00	0.00	0.00	0.00
2.7	**Energy Charge Rate (RLNG) ex-bus-CC**	**Rs/Kwh**	13.16	11.99	11.99	11.99	11.99	11.99
2.8	**Energy Charge Rate (C-RLNG) ex-bus-CC**	**Rs/Kwh**	19.07	11.43	11.43	11.43	11.43	11.43
2.9	**Energy Charge Rate(Naptha ex-bus-CC**	**Rs/Kwh**	17.57	17.51	17.51	17.51	17.51	17.51
2.10	Weighted Average Energy Charge Rate ex-bus-CC	Rs/Kwh	17.02	11.79	11.79	11.79	11.79	11.79
2.11	**Energy Charge Rate (Domestic Gas) ex-bus-OC**	**Rs/Kwh**	2.86	0.00	0.00	0.00	0.00	0.00
2.12	**Energy Charge Rate (RLNG) ex-bus-OC**	**Rs/Kwh**	18.75	17.08	17.08	17.08	17.08	17.08
2.13	**Energy Charge Rate (C-RLNG) ex-bus-OC**	**Rs/Kwh**	27.17	16.29	16.29	16.29	16.29	16.29
2.14	**Energy Charge Rate(Naptha ex-bus-OC**	**Rs/Kwh**	25.03	24.95	24.95	24.95	24.95	24.95
2.15	Weighted Average Energy Charge Rate ex-bus-OC	Rs/Kwh	24.26	16.80	16.80	16.80	16.80	16.80

(Petitioner)

PART-I
FORM- 1(I)

	Name of the Petitioner:	**NTPC Limited**
	Name of the Generating Station:	**Dadri Gas Power Station**

Amount in Rs. Lakh

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	98,689.76	98,735.73	99,008.55	99,008.55	99,008.55
2	Add: Addition during the year/period	45.98	272.82	-	-	-
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	98,735.73	99,008.55	99,008.55	99,008.55	99,008.55
7	**Average Capital Cost**	**98,712.74**	**98,872.14**	**99,008.55**	**99,008.55**	**99,008.55**

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	98,689.76	98,689.76	98,962.57	98,962.57	98,962.57
2	Add: Addition during the year / period	-	272.82	-	-	-
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	98,689.76	98,962.57	98,962.57	98,962.57	98,962.57
7	**Average Capital Cost**	**98689.76**	**98826.17**	**98962.57**	**98962.57**	**98962.57**

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

S. No.	Particulars	2024-25	2025-26	2026-27	2027-28	2028-29
1	**2**	**3**	**4**	**5**	**6**	**7**
1	Opening Capital Cost	-	45.98	45.98	45.98	45.98
2	Add: Addition during the year / period	45.98	-	-	-	-
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	45.98	45.98	45.98	45.98	45.98
7	**Average Capital Cost**	**22.99**	**45.98**	**45.98**	**45.98**	**45.98**

(Petitioner)

PART-I

FORM- 1(IIA)

Name of the Petitioner:	**NTPC Limited**
Name of the Generating Station:	**Dadri Gas Power Station**

Statement showing Return on Equity at Normal Rate

Amount in Rs. Lakh

S. No.	Particulars	2024-25	2025-26	2026-27	2027-28	2028-29
1	2	3	4	5	6	7
1	Gross Opening Equity (Normal)	47,197.80	47,197.80	47,279.64	47,279.64	47279.6434
2	Less: Adjustment in Opening Equity	17,590.87	17,590.87	17,590.87	17,590.87	17,590.87
3	Adjustment during the year	-	-	-	-	-
4	Net Opening Equity (Normal)	29,606.93	29,606.93	29,688.77	29,688.77	29,688.77
5	Add: Increase in equity due to addition during the year / period	-	81.85	-	-	-
7	Less: Decrease due to De-capitalisation during the year / period	-	-	-	-	-
8	Less: Decrease due to reversal during the year / period	-	-	-	-	-
9	Add: Increase due to discharges during the year / period	-	-	-	-	-
10	Net closing Equity (Normal)	29,606.93	29,688.77	29,688.77	29,688.77	29,688.77
11	Average Equity (Normal)	29,606.93	29,647.85	29,688.77	29,688.77	29,688.77
12	Rate of ROE (%)	18.782%	18.782%	18.782%	18.782%	18.782%
13	Total ROE	**5,560.77**	**5,568.46**	**5,576.15**	**5,576.15**	**5,576.15**

(Petitioner)

PART-I

FORM- 1(IIB)

Name of the Petitioner:	**NTPC Limited**
Name of the Generating Station:	**Dadri Gas Power Station**

Statement showing Return on Equity Eligible@SBI MCLR + 350 basis points

Amount in Rs. Lakh

S. No.	Particulars	2024-25	2025-26	2026-27	2027-28	2028-29
1	**2**	**3**	**4**	**5**	**6**	**7**
1	Gross Opening Equity (Normal)	-	13.79	13.79	13.79	13.79
2	Less: Adjustment in Opening Equity	-	-	-	-	-
3	Adjustment during the year	-	-	-	-	-
4	Net Opening Equity (Normal)	-	13.79	13.79	13.79	13.79
5	Add: Increase in equity due to addition during the year / period	13.79	-	-	-	-
7	Less: Decrease due to De-capitalisation during the year / period	-	-	-	-	-
8	Less: Decrease due to reversal during the year / period	-	-	-	-	-
9	Add: Increase due to discharges during the year / period	-	-	-	-	-
10	Net closing Equity (Normal)	13.79	13.79	13.79	13.79	13.79
11	Average Equity (Normal)	6.90	13.79	13.79	13.79	13.79
12	Rate of ROE- Base rate (%)	12.15%	12.15%	12.15%	12.15%	12.15%
12a	Rate of ROE – Grossed up(%)	14.72%	14.72%	14.72%	14.72%	14.72%
13	**Total ROE**	**1.02**	**2.03**	**2.03**	**2.03**	**2.03**

(Petitioner)

PART-I
FORM-2

Plant Characteristics

Name of the Petitioner	**NTPC Ltd**					
Name of the Generating Station	**Dadri Gas Power Station**					
Unit(s)/Block(s)/Parameters	**GT-1**	**GT-2**	**GT-3**	**GT-3**	**ST-1**	**ST-2**
Installed Capacity (MW)	111.19	111.19	111.19	111.19	109.30	109.30
Schedule COD as per Investment Approval						
Actual COD	1-Oct-90	1-Oct-90	1-Nov-90	1-Nov-90	1-Nov-90	1-Dec-90
Pit Head or Non Pit Head	NA					
Name of the Boiler Manufacture						
Name of Turbine Generator Manufacture						
Main Steams Pressure at Turbine inlet (kg/Cm^2) abs	Not Applicable					
Main Steam Temperature at Turbine inlet (^oC)						
Reheat Steam Pressure at Turbine inlet ($kg/Cm^{2)}$						
Reheat Steam Temperature at Turbine inlet (^oC)						
Main Steam flow at Turbine inlet under MCR condition (tons /hr)						
Main Steam flow at Turbine inlet under VWO condition (tons /hr)						
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						
% Makeup Water Consumption						
Design Capacity of Make up Water System						
Design Capacity of Inlet Cooling System						
Design Cooling Water Temperature (^0C)						
Back Pressure						
Steam flow at super heater outlet under BMCR condition (tons/hr)						
Steam Pressure at super heater outlet under BMCR condition (kg/Cm2)						
Steam Temperature at super heater outlet under BMCR condition (^0C)						
Steam Temperature at Reheater outlet at BMCR condition (^0C)						
Design / Guaranteed Boiler Efficiency (%)						
Design Fuel with and without Blending of domestic/imported coal						
Type of Cooling Tower	IDCT					
Type of cooling system	Closed Circuit					
Type of Boiler Feed Pump	Motor Driven					
Fuel Details						
-Primary Fuel	Natural Gas					
-Secondary Fuel	NA					
-Alternate Fuels	HSD					
Special Features/Site Specific Features						
Special Technological Features						
Environmental Regulation related features						
Any other special features						

Petitioner

PART-I
FORM- 3

Normative parameters considered for tariff computations

Name of the Petitioner:	**NTPC Limited**
Name of the Generating Station:	**Dadri Gas Power Station**

(Year Ending March)

Particulars	Unit	Existing 2023-24	2024-25	2025-26	2026-27	2027-28	2028-29
1	2	3	4	5	6	7	8
Base Rate of Return on Equity (normal)	%	15.50%	15.50%	15.50%	15.50%	15.50%	15.50%
Base Rate of Return on Equity on Add. Capitalization (Weighted Average Rate of Interest)	%	15.50%	12.15%	12.15%	12.15%	12.15%	12.15%
Effective Tax Rate	%	17.472%	17.472%	17.472%	17.472%	17.472%	17.472%
Target Availability	%	85.00%	85.00%	85.00%	85.00%	85.00%	85.00%
Peak Hours	%	-	-	85.00	85.00	85.00	85.00
Off-Peak Hours	%	-	-	85.00	85.00	85.00	85.00
Auxiliary Energy Consumption	%	2.75%	2.75%	2.75%	2.75%	2.75%	2.75%
Gross Station Heat Rate	kCal/kWh	2000	2000	2000	2000	2000	2000
Specific Fuel Oil Consumption	ml/kWh	NA	NA	NA	NA	NA	NA
Cost of Coal/Lignite for WC	in Days	NA	NA	NA	NA	NA	NA
Cost of Main Secondary Fuel Oil for WC	in Months	NA	NA	NA	NA	NA	NA
Fuel Cost for WC	in Days	30	15	15	15	15	15
Liquid Fuel Stock for WC	in Days	15	15	15	15	15	15
O&M Expenses	Rs lakh/MW	20.19	18.18	19.14	20.14	21.20	22.32
Maintenance Spares for WC	% of O&M	30.00%	30.00%	30.00%	30.00%	30.00%	30.00%
Receivables for WC	in Days	2months	45	45	45	45	45
Storage capacity of Primary fuel	MT	NA					
SBI 1 Year MCLR plus 350 basis point	%	12.00%	11.90%	11.90%	11.90%	11.90%	11.90%
Blending ratio of domestic coal/imported coal		NA					

Petitioner

Part-I
FORM-3A
ADDITIONAL FORM

Calculation of O&M Expenses

Name of the Company :	**NTPC Limited**
Name of the Power Station :	**Dadri Gas Power Station**

Amount in Rs. Lakhs

S.No.	Particulars	2024-25	2025-26	2026-27	2027-28	2028-29
1	**2**	**3**	**4**	**5**	**7**	**8**
1	**O&M expenses under Reg.36(1)**					
1a	Normative	15,085.40	15,881.99	16,711.77	17,591.34	18,520.69
2	**O&M expenses under Reg.36(1) (6)**					
2a	Water Charges	51.72	54.44	57.30	60.31	63.47
2b	Secutiry expenses	1407.53	1481.43	1559.20	1641.06	1727.22
2c	Capital Spares	Shall be provided at the time of truing up				
	Total O&M Expenses	**16544.66**	**17417.86**	**18328.27**	**19292.70**	**20311.38**

Petitioner

FORM-8

Name of the Company	NTPC Limited	
Period	Dadri Gas Power Station	
Particulars		
Source of Loan - Bonds Series	**74**	**75**
Currency	INR	INR
Amount of Loan sanctioned (In Lakh)	3,99,600.00	3,00,000.00
Amount of Gross Loan drawn upto COD (In Lakh)	3,99,600.00	3,00,000.00
Interest Type	Fixed	Fixed
Fixed Interest Rate, if applicable	6.87%	6.69%
Base Rate, if Floating Interest	N/A	N/A
Margin, if Floating Interest	N/A	N/A
Are there any Caps/Floor	No	No
If above is yes,specify caps/floor	N/A	N/A
Moratorium Period (In Years)	15 yrs 1 day	10
Moratorium effective from*	20-04-2021	13-09-2021
Repayment Period	Bullet Repayment	Bullet Repayment
Repayment effective from	21-04-2036	13-09-2031
Repayment Frequency	Bullet Repayment	Bullet Repayment
Repayment Instalment (In Lakh)	3,99,600.00	3,00,000.00
Base Exchange Rate	N/A	N/A
Door to Door Maturity (In Years)	15 yrs 1 day	10
Name of the Projects	**74**	**75**
DADRI GAS R&M	100.00	200.00

Bonds 54 Series

Particulars	***54***
Source of Loan1	BONDS
Currency2	INR
Amount of Loan sanctioned	**1030683**
Interest Type6	Fixed
Fixed Interest Rate, if applicable	8.49%
Base Rate, if Floating Interest7	N/A
Margin, if Floating Interest8	N/A
Are there any Caps/Floor9	No
If above is yes,specify caps/floor	N/A
Moratorium Period10	8
Moratorium effective from #	25-03-2015
Repayment Period11	Installments Due on 25/03/2023, 25/03/2024 & 25/03/2025
Repayment effective from	25-03-2023
Repayment Frequency12	Installments Due on 25/03/2023, 25/03/2024 & 25/03/2025
Repayment Instalment13,14	Installments 1st - 206,136.61 2nd - 412,273.22 3rd - 412,273.22
Base Exchange Rate16	N/A
Door to Door Maturity	10

Name of the Projects	
Dadri Gas R & M	600
	-

FORM-8

Name of the Company	NTPC Limited
Name of the Power Station	Dadri Gas Power Station
Commercial Operation Date (COD)	01-04-1997
Particulars	
Source of Loan - Bonds Series	**54**
Currency	INR
Amount of Loan sanctioned (In Lakh)	10,30,683.05
Amount of Gross Loan drawn upto COD (In Lakh)	10,30,683.05
Interest Type	Fixed
Fixed Interest Rate, if applicable**	8.49%
Base Rate, if Floating Interest	N/A
Margin, if Floating Interest	N/A
Are there any Caps/Floor	No
If above is yes,specify caps/floor	N/A
Moratorium Period (In Years)	8
Moratorium effective from*	25-03-2015
Repayment Period	Installments Due on 25/03/2023, 25/03/2024 & 25/03/2025
Repayment effective from	25-03-2023
Repayment Frequency	Installments Due on 25/03/2023, 25/03/2024 & 25/03/2025
Repayment Instalment (In Lakh)	Installments 1st - 206,136.61 2nd - 412,273.22 3rd - 412,273.22
Base Exchange Rate	N/A
Door to Door Maturity (In Years)	10
Name of the Projects	**54**
Dadri Gas R & M	600.00

Statement Giving Details of Project Financed through a Combination of loan

Form 8

TRANCHE NO

BP NO 5050000571 **T00001** **D00003**

Unsecured Loan From Punjab National Bank-III		
Source of Loan :	**Punjab National Bank-III**	
Currency :	INR	
Amount of Loan :	20,00,00,00,000	
Total Drawn amount :	5,00,00,00,000	
Date of Drawl	13.08.2018	
Interest Type :	Floating	
Fixed Interest Rate :		
Base Rate, If Floating Interest	8.05%	
Margin, If Floating Interest :	0.00%	
Are there any Caps/ Floor :	Y/N	
Frequency of Intt. Payment	MONTHLY	
If Above is yes, specify Caps/ Floor :		
Moratorium Period :	3 Years	
Moratorium effective from :	13.08.2018	
Repayment Period (Inc Moratorium) :	12 Years	
Repayment Frequency :	9 Yearly Instalment	
Repayment Type :	AVG	
First Repayment Date :	01.02.2022	
Base Exchange Rate :	RUPEE	
Date of Base Exchange Rate :	N.A.	
Project Code	Project Name	Amount
	BARH-I	30,00,00,000.00
	SOLAPUR	20,00,00,000.00
	TANDA-II	20,00,00,000.00
	TALLAIPALLI	50,00,00,000.00
	SINGRAULI R&M	80,00,00,000.00
	FARAKKA R&M	80,00,00,000.00
	RIHAND R&M	50,00,00,000.00
	DADRI GAS R&M	40,00,00,000.00
	KORBA R&M	40,00,00,000.00
	RAMAGUNDAM R&M	40,00,00,000.00
	VINDHAYACHAL R&M	30,00,00,000.00
	UNCHAHAR R&M	20,00,00,000.00
Total Allocated Amount		**5,00,00,00,000.00**

TRANCHE NO

BP NO 5050000711 **T00001** **D00001**

Unsecured Loan From Punjab National Bank-IV		
Source of Loan :	**Punjab National Bank-IV**	
Currency :	INR	
Amount of Loan :	20,00,00,00,000	
Total Drawn amount :	20,00,00,00,000	
Date of Drawl	01.01.2019	
Interest Type :	Floating	
Fixed Interest Rate :		
Base Rate, If Floating Interest	8.60%	
Margin, If Floating Interest :	0.00%	
Are there any Caps/ Floor :	Y/N	
Frequency of Intt. Payment	MONTHLY	
If Above is yes, specify Caps/ Floor :		
Moratorium Period :	3 Years	
Moratorium effective from :	01.01.2019	
Repayment Period (Inc Moratorium) :	12 Years	
Repayment Frequency :	9 Yearly Instalment	
Repayment Type :	AVG	
First Repayment Date :	01.02.2022	
Base Exchange Rate :	RUPEE	
Date of Base Exchange Rate :	N.A.	
Project Code	Project Name	Amount
	UNCHAHAR STPP IV	65,00,00,000.00
	TANDA-II	85,00,00,000.00
	NCTPP-II	36,43,00,000.00
	DADRI GAS R&M	56,00,00,000.00
	KORBA-III	15,00,00,000.00
	SIPAT-II	17,14,00,000.00
	FARAKKA-III	8,57,00,000.00
	KAHALGAON-II	17,14,00,000.00
	BARH-I	1,08,57,00,000.00
	BARH-II	8,00,00,000.00
	NORTH KARANPURA	1,09,00,00,000.00
	KOLDAM	6,43,00,000.00
	TAPOVAN VISHNUGAD	28,57,00,000.00
	PAKRI BARWADIH	1,42,00,00,000.00
	CHATTI BARIATU	10,00,00,000.00
	BONGAIGAON	36,43,00,000.00
	KUDGI	60,00,00,000.00
	LARA	1,23,00,00,000.00
	GADARWARA	2,27,72,00,000.00
	DARLIPALLI	2,73,00,00,000.00
	KHARGONE	50,00,00,000.00
	ANANTPUR SOLAR	17,00,00,000.00
	TALAIPALI COAL MINE	5,00,00,00,000.00
Total Allocated Amount		**20,00,00,00,000.00**

Statement Giving Details of Project Financed through a Combination of loan

Form 8

TRANCHE NO

BP NO 5050000442 **T00001** **D00018**

Unsecured Loan From SBI-VIII		
Source of Loan :	**SBI-VIII**	
Currency :	INR	
Amount of Loan :	1,00,00,00,00,000	
Total Drawn amount :	1,50,00,00,000	
Date of Drawl	21.04.2016	
Interest Type :	Floating	
Fixed Interest Rate :	----------	
Base Rate, If Floating Interest	D00018-9.30%	
Margin, If Floating Interest :	0.00%	
Are there any Caps/ Floor :	Y/N	
Frequency of Intt. Payment	Monthly	
If Above is yes, specify Caps/ Floor :		
Moratorium Period :	6 Years	
Moratorium effective from :	21.04.2016	
Repayment Period (Inc Moratorium) :	15 Years	
Repayment Frequency :	9 Yearly Installments	
Repayment Type :	AVG	
First Repayment Date :	31.01.2022	
Base Exchange Rate :	RUPEE	
Date of Base Exchange Rate :	N.A.	
Project Code	**Project Name**	**Amount**
	BONGAIGAON	70,00,00,000
	UNCHAHAR-IV	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	6,00,00,000
	DADRI GAS R&M	10,00,00,000
	UNCHAHAR R&M	5,00,00,000
	BADARPUR R&M	5,00,00,000
	KAHALGAON R&M	5,00,00,000
Total Allocated Amount		**1,50,00,00,000**

	TRANCHE NO	
BP NO 5050000531	**T00001**	**D0010**
Unsecured Loan From SBI-IX		
Source of Loan :	**SBI-IX**	
Currency :	INR	
Amount of Loan :	30,00,00,00,000	
Total Drawn amount :	13,70,00,00,000	
Date of Drawal:	29.06.2018	
Interest Type :	Floating	
Fixed Interest Rate :	----------	
Base Rate, If Floating Interest	7.85%	
Margin, If Floating Interest :	0.00%	
Are there any Caps/ Floor :	Y/N	
Frequency of Intt. Payment	Monthly	
If Above is yes, specify Caps/ Floor :		
Moratorium Period :	3 Years	
Moratorium effective from :	29.06.2018	
Repayment Period (Inc Moratorium) :	12 Years	
Repayment Frequency :	9 Yearly Installments	
Repayment Type :	AVG	
First Repayment Date :	31.03.2021	
Base Exchange Rate :	RUPEE	
Date of Base Exchange Rate :	N.A.	
Project Code	**Project Name**	**Amount**
	CC F&A	6,85,00,00,000
	BARH-I	40,00,00,000
	TAPOVAN VISHNUGARH	15,00,00,000
	BONGAIGAON	15,00,00,000
	SOLAPUR	20,00,00,000
	LARA-I	55,00,00,000
	GADARWARA	1,00,00,00,000
	NORTH KARANPURA	60,00,00,000
	DARLIPALLI	45,00,00,000
	TANDA II	60,00,00,000
	RAMMAM	10,00,00,000
	KHARGONE	75,00,00,000
	TELANGANA	75,00,00,000
	TTPS R&M	10,00,00,000
	VINDHYACHAL R&M	10,00,00,000
	FARAKKA R&M	50,00,00,000
	DADRI GAS R&M	45,00,00,000
Total Allocated Amount		**13,70,00,00,000.00**

	TRANCHE NO	
BP NO 5050000762	**T00001**	**D00006**
Unsecured Loan From AXIS BANK-II		
Source of Loan :	**AXIS BANK-II**	
Currency :	INR	
Amount of Loan :	20,00,00,00,000	
Total Drawn amount :	5,00,00,00,000	
Date of Drawl	08.04.2020	
Interest Type :	Floating	
Fixed Interest Rate :		
Base Rate, If Floating Interest	7.45%	
Margin, If Floating Interest :	-	
Are there any Caps/ Floor :	Y/N	
Frequency of Intt. Payment	MONTHLY	
If Above is yes, specify Caps/ Floor :		
Moratorium Period :	3 Years	
Moratorium effective from :	08.04.2020	
Repayment Period (Inc Moratorium) :	12 Years	
Repayment Frequency :	9 Yearly Yearly Instalment	
Repayment Type :	AVG	
First Repayment Date :	11.07.2023	
Base Exchange Rate :	RUPEE	
Date of Base Exchange Rate :	N.A.	
Project Code	Project Name	Amount
	BARH-I	70,00,00,000
	GADARWARA	60,00,00,000
	DARLIPALLI	20,00,00,000
	KHARGONE	20,00,00,000
	BARAUNI-II	40,00,00,000
	BILHAUR SOLAR 85MW	30,00,00,000
	AURAIYA SOLAR 20MW	5,00,00,000
	AURAIYA SOLAR FS 20MW	5,00,00,000
	SIMHADRI FLOATING	5,00,00,000
	SINGRAULI R&M	43,00,00,000
	KORBA R&M	32,00,00,000
	RAMAGUNDAM I & II R&M	45,00,00,000
	VINDHYACHAL R&M	40,00,00,000
	FARAKKA R&M	26,00,00,000
	RIHAND R&M	35,00,00,000
	DADRI GAS R&M	6,00,00,000
	TSTPP R&M	8,00,00,000
	NCTPP R&M	5,00,00,000
	CHATTI BARIATU CMB	5,00,00,000
Total Allocated Amount		**5,00,00,00,000**

TRANCHE NO

BP NO 5050000981 **T00001** **D00008**

Unsecured Loan From HDFC Bank Ltd. IX		
Source of Loan :	**HDFC Bank Ltd. IX**	
Currency :	INR	
Amount of Loan :	50,00,00,00,000	
Total Drawn amount :	5,00,00,00,000	
Date of drawl	18.11.2020	
Interest Type :	Floating	
Fixed Interest Rate :		
Base Rate, If Floating Interest	5.95%	
Margin, If Floating Interest :	NIL	
Are there any Caps/ Floor :	Y/N	
Frequency of Intt. Payment	MONTHLY	
If Above is yes, specify Caps/ Floor :		
Moratorium Period :	3 Years	
Moratorium effective from :	18.11.2020	
Repayment Period (Inc Moratorium) :	12 Years	
Repayment Frequency :	12 Yearly Instalment	
Repayment Type :	AVG	
First Repayment Date :	30.06.2024	
Base Exchange Rate :	RUPEE	
Date of Base Exchange Rate :	N.A.	
Project Code	Project Name	Amount
	BARH I	1,75,00,00,000.00
	BARAUNI-II	25,00,00,000.00
	SOLAPUR	20,00,00,000.00
	TTPS R&M	1,00,00,000.00
	SINGRAULI R&M	15,00,00,000.00
	KORBA R&M	15,00,00,000.00
	RAMAGUNDAM I & II R&M	43,50,00,000.00
	VINDHYACHAL R&M	18,00,00,000.00
	FARAKKA R&M	12,00,00,000.00
	UNCHAHAR R&M	16,00,00,000.00
	RIHAND R&M	16,00,00,000.00
	FARIDABAD R&M	1,50,00,000.00
	DADRI GAS R&M	3,00,00,000.00
	TSTPP R&M	11,50,00,000.00
	KAHALGAON R&M	16,00,00,000.00
	SIMHADRI R&M	1,50,00,000.00
	CHATTI BARIATU CMB	25,00,00,000.00
	TALAIPALI COAL MINE	75,00,00,000.00
	KIRENDARI	10,00,00,000.00
Total Allocated Amount		**5,00,00,00,000**

Statement Giving Details of Project Financed through a Combination of loan

Form 8

TRANCHE NO

BP NO 50500001041 **T00001** **D00009**

Unsecured Loan From Bank Of India-IV

Source of Loan :	**Bank Of India-IV**	
Currency :	INR	
Amount of Loan :	22000000000	
Total Drawn amount :	1,94,00,00,000	
Date of Drawal :	30-03-2023	
Interest Type :	Floating	
Fixed Interest Rate :		
Base Rate, If Floating Interest	8.15%	
Margin, If Floating Interest :	NIL	
Are there any Caps/ Floor :	Y/N	
Frequency of Intt. Payment	Monthly	
If Above is yes, specify Caps/ Floor :		
Moratorium Period :	3 Years	
Moratorium effective from :	05.03.2021	
Repayment Period (Inc Moratorium) :	15 Years	
Repayment Frequency :	Yearly	
Repayment Type :	AVG	
First Repayment Date :	07.12.2024	
Base Exchange Rate :	RUPEE	
Date of Base Exchange Rate :		
Project Code	**Project Name**	**Amount**
	NCTPP R&M	50000000
	DADRI GAS R&M	60000000
	SIMHADRI FLOATING	50000000
	RIHAND-R&M	350000000
	KORBA-R&M	320000000
	VSTPS R&M	400000000
	FSTPS R&M	260000000
	RAMAGUNDAM-R&M	450000000
Total Allocated Amount		**1,94,00,00,000**

INTEREST RATE MOVEMENT FY 2019-24

S.NO	BANK	RATE OF INTEREST	From	To	No. of Days	ROI	Effective ROI				
							19-20	20-21	21-22	22-23	23-24
1	HDFC-IX	8.010%	01-Apr-23	31-May-23	61	4.8861					
	HDFC-IX	7.950%	01-Jun-23	31-Mar-24	305	24.2475					
					366	**29.1336**					**7.9600%**
2	Bank Of India-IV	8.000%	01-Apr-23	31-Mar-24	366	29.28					
					366	**29.28**					**8.0000%**
3	Punjab National Bank III	7.900%	01-Apr-23	31-Mar-24	366	28.914					**7.9000%**
4	PNB-IV	7.900%	01-Apr-23	31-Mar-24	366	28.914					
					366	**28.914**					**7.9000%**
5	State Bank of India - VIII	8.000%	01-Apr-23	13-May-23	43	3.44					
	State Bank of India - VIII	8.100%	14-May-23	13-Aug-23	92	7.452					
	State Bank of India - VIII	8.150%	14-Aug-23	13-Feb-24	184	14.996					
	State Bank of India - VIII	8.200%	14-Feb-24	31-Mar-24	47	3.854					
					366	**29.742**					**8.1262%**
6	State Bank of India - IX	8.000%	01-Apr-23	13-May-23	43	3.44					
	State Bank of India - IX	8.100%	14-May-23	13-Aug-23	92	7.452					
	State Bank of India - IX	8.150%	14-Aug-23	13-Feb-24	184	14.996					
	State Bank of India - IX	8.200%	14-Feb-24	31-Mar-24	47	3.854					
					366	**29.742**					**8.1262%**

PART-I
FORM- 9A
Additional Form

Year wise Statement of Additional Capitalisation after COD

Name of the Petitioner	NTPC Limited
Name of the Generating Station	Dadri Gas Power Station
COD	01-04-1997
For Financial Year	2024-29 (Summary)

Amount in Rs Lakh

Sl. No.	Head of Work /Equipment	ACE Claimed (Projected)					Justification	Admitted Cost by the Commission, if any
		2024-25	2025-26	2026-27	2027-28	2028-29		
1	2	3	4	5	6	7	8	9
A.	**Works eligble for RoE@Normal Rate**							
1	Replacement of old Static relays with Numerical Relay in 6.6 KV HT Switch Gear	-	272.82				**Pl. refer Form-9 of respective FYs.**	
	Total additional capitalization claimed with RoE at Normal Rate (A)	**-**	**272.82**	**-**	**-**			
B.	**Works eligble for RoE@SBI MCLR+350 bp**							
1	Installation of AGC System	45.98					**Pl. refer Form-9 of respective FYs.**	
	Total (B)	**45.98**	**-**	**-**	**-**	**-**		
Total Add. Cap. Claimed (A+B)		**45.98**	**272.82**	**-**	**-**	**-**		

(Petitioner)

Signature Not Verified
Digitally signed by PARIMAL PIYUSH
Date: 2024.11.27 11:49:54 IST
Reason: AGM(Commercial)
Location: NTPC Limited

PART-I
FORM- 9

Year wise Statement of Additional Capitalisation after COD

Name of the Petitioner	NTPC Limited
Name of the Generating Station	Dadri Gas Power Station
COD	01-04-1997
For Financial Year	2024-2025

Amount in Rs Lakh

Sl. No.	Head of Work /Equipment	ACE Claimed (Projected)						Regulations under which claimed	Justification	Admitted Cost by the Commission, if any
		Accrual basis as per Note-2 of BS	IND AS Adj	Accrual basis as per IGAAP	Un-discharged Liability included in col. 3	Cash basis	IDC included in col. 3			
1	2			3	4	5= (3-4)	6	7	8	9
A.	**Works eligble for RoE@Normal Rate**									
1	NA	0.00		0.00		0.00		NA	NA	NA
	Sub Total (A)					**0.00**				
B.	**Works eligble for RoE@SBI MCLR+350 bp**									
1	Installation of AGC System	45.98	0.00	45.98		45.98		26(1)(b)	Hon'ble Commission vide its order dated 28.08.2019 in Petition No-319/RC/2018 directed all Inter State Generating Stations (ISGS) which are Regional Entities with installed capacity of 200 MW and above and whose Tariff is determined or adopted by the Commission, to install the required software and firmware for implementation of Automatic Generation Control (AGC) System at the Unit Control Rooms. The relevant extract of Hon'ble Commission Order is attached as **Annexure-R/1.** In order to comply with the said direction of Hon'ble Commission, Petitioner is to taken up the work of Automatic Generation Control system installation. In view of the above it is humbly submitted that Hon'ble Commission may be pleased to allow the said capitalization under Regulation 26 (1) (b).	NA
	Sub Total (B)	**45.98**	**-**	**45.98**	**-**	**45.98**				
Total Add. Cap. Claimed (A+B)		**45.98**	**-**	**45.98**	**-**	**45.98**				

(Petitioner)

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Date: 2024.11.27 11:49:54 IST
Reason: AGM(Commercial)
Location: NTPC Limited

PART-I
FORM- 9

Year wise Statement of Additional Capitalisation after COD

Name of the Petitioner	**NTPC Limited**
Name of the Generating Station	**Dadri Gas Power Station**
COD	**01-04-1997**
For Financial Year	**2025-2026**

Amount in Rs Lakh

Sl. No.	Head of Work /Equipment	ACE Claimed (Projected)				Regulations under which claimed	Justification	Admitted Cost by the Commission, if any
		Accrual basis as per IGAAP	Un-discharged Liability included in col. 3	Cash basis	IDC included in col. 3			
1	2	3	4	5= (3-4)	6	7	8	9
A.	**Works eligble for RoE@Normal Rate**							
1	Replacement of old Static relays with Numerical Relay in 6.6 KV HT Switch Gear	272.82		272.82		25(2)(c)	In the existing HT swtichgear of the instant station protection relays are of static type which is now obsolete and no support is available from OEM M/s Siemens. It is not possible to extract DR, event logging etc from the existing satatic type of relays which are extremely important and necessary to timely analyze the cause and nature of electrical faults and take necessary corrective and preventive action which is required for relaible and safe operation of the plant. Due to technological obsolescence and the need to improve reliability, the replacement of existing static type of relays with state of art numerical relays is required. It is submitted that the work of replacement obsolete electromagnetic & static type protection relays in northern region with state-of-art numerical relays was deliberated in 11th TCC/12th NRPC Meeting held on 21st-22nd April 2009(copy attached as **Annexure-R/2**). In 20th TCC/22nd NRPC meeting, held on 28-29 June 2011 it was decided that utilities would submit the details of existing and planned numerical relays for their system (copy attached as **Annexure-R/3**). Further, Central Electricity Authority (Technical Standards for Construction of Electrical Plants and Electric Lines) Regulations, 2022 provides for standadrd for electrical system. The Regualtion 10 (4) of CEA Eegulation, 2022 privides as under: *"(4) High tension switchgear.—* *(a) High tension switchgear- vacuum type of circuit breakers shall be provided for high tension switchgear (11/6.6/3.3 kV) which shall be of draw out type, re-strike free:* *Provided that the same shall be applicable for 33kV voltage level also in case used;* *(b) the protective relays shall be of numerical type with self monitoring, diagnostic features and communication facility;"* Excerpts of CEA Regualtion is attached as **Annexure-R/4.** Further, Hon'ble Commission in Petition no-445/GT/2020 & in Petition no-295/GT/2020 allowed the work of replacement of obsolete electromagnetic type relays with numerical relays. In view of the above, it is humbly submitted that Hon'ble Commission may be pleased to allow the work of Replacement of old static relays with Numerical Relay in 6.6 KV HT Switch Gear.	NA
	Total (A)	**272.82**	**-**	**272.82**	**-**			
B.	**Works eligble for RoE@SBI MCLR+350 bp**							
1	NA	-	-	-	-	NA	NA	NA
	Total (B)	**-**	**-**	**-**	**-**			
Total Add. Cap. Claimed (A+B)				**272.82**				

(Petitioner)

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Date: 2024.11.27 11:49:54 IST
Reason: AGM(Commercial)
Location: NTPC Limited

PART-I
FORM- 9

Year wise Statement of Additional Capitalisation after COD

Name of the Petitioner	**NTPC Limited**
Name of the Generating Station	**Dadri Gas Power Station**
COD	**01-04-1997**
For Financial Year	**2026-2027**

Amount in Rs Lakh

Sl. No.	Head of Work /Equipment	ACE Claimed (Projected)				Regulations under which claimed	Justification	Admitted Cost by the Commission, if any
		Accrual basis as per IGAAP	Un-discharged Liability included in col. 3	Cash basis	IDC included in col. 3			
1	2	3	4	5= (3-4)	6	7	8	9
A.	**Works eligble for RoE@Normal Rate**							
1	NA	-		-	-	NA	NA	NA
	Total (A)	**-**	**-**	**-**	-			
B.	**Works eligble for RoE@SBI MCLR+350 bp**							
1	NA	-		-		NA	NA	NA
	Total (B)	**-**	**-**	**-**	**-**			
Total Add. Cap. Claimed (A+B)		**-**	**-**	**-**	**-**			

(Petitioner)

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Date: 2024.11.27 11:49:54 IST
Reason: AGM(Commercial)
Location: NTPC Limited

PART-I
FORM- 9

Year wise Statement of Additional Capitalisation after COD

Name of the Petitioner	NTPC Limited
Name of the Generating Station	Dadri Gas Power Station
COD	01-04-1997
For Financial Year	2027-2028

Amount in Rs Lakh

Sl. No.	Head of Work /Equipment	ACE Claimed (Projected)				Regulations under which claimed	Justification	Admitted Cost by the Commission, if any
		Accrual basis as per IGAAP	Un-discharged Liability included in col. 3	Cash basis	IDC included in col. 3			
1	2	3	4	5= (3-4)	6	7	8	9
A.	Works eligble for RoE@Normal Rate							
1	NA	-		-	-	NA	NA	NA
	Total (A)	-	-	-	-			
B.	Works eligble for RoE@SBI MCLR+350 bp							
1	NA	-	-	-	-	NA	NA	NA
	Total (B)	-	-	-	-			
Total Add. Cap. Claimed (A+B)		-	-	-	-			

(Petitioner)

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Date: 2024.11.27 11:49:54 IST
Reason: AGM(Commercial)
Location: NTPC Limited

PART-I
FORM- 9

Year wise Statement of Additional Capitalisation after COD

Name of the Petitioner	NTPC Limited
Name of the Generating Station	Dadri Gas Power Station
COD	01-04-1997
For Financial Year	2028-29

Amount in Rs Lakh

Sl. No.	Head of Work /Equipment	ACE Claimed (Projected)				Regulations under which claimed	Justification	Admitted Cost by the Commission, if any
		Accrual basis as per IGAAP	Un-discharged Liability included in col. 3	Cash basis	IDC included in col. 3			
1	2	3	4	5= (3-4)	6	7	8	9
A.	Works eligble for RoE@Normal Rate							
1	NA	-		-	-	NA	NA	NA
	Total (A)	-	-	-	-			
B.	Works eligble for RoE@SBI MCLR+350 bp							
1	NA	-	-	-	-	NA	NA	NA
	Total (B)	-	-	-	-			
Total Add. Cap. Claimed (A+B)				-				

(Petitioner)

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Date: 2024.11.27 11:49:54 IST
Reason: AGM(Commercial)
Location: NTPC Limited

PART-I
FORM- 10

Name of the Petitioner				**NTPC Limited**						
Name of the Generating Station				**Dadri Gas Power Station**						
Date of Commercial Operation				**01-04-1997**						
							Amount in Rs Lakh			
Financial Year (Starting from COD)1	Actual					Admitted				
	2024-25	**2025-26**	**2026-27**	**2027-28**	**2028-29**	**2024-25**	**2025-26**	**2026-27**	**2027-28**	**2028-29**
1	2	3	4	5	6	7	8	9	10	11
Amount capitalised in Work/ Equipment										
Financing Details	**SHALL BE PROVIDED AT THE TIME OF TRUE-UP.**									
Loan-1										
Loan-2										
Loan-3 and so on										
Total Loan2										
Equity Internal Resources										
Others (Pl. specify)										
Total										

(Petitioner)

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Digitally signed by PARIMAL PIYUSH
Date: 2024.11.27 11:49:54 IST
Reason: AGM(Commercial)
Location: NTPC Limited

PART-I
FORM- 12

Statement of Depreciation of Existing Asset

Name of the Company :	**NTPC Limited**
Name of the Power Station :	**Dadri Gas Power Station**

(Amount in Rs Lakh)

S. No.	Particulars	Existing 2023-24	2024-25	2025-26	2026-27	2027-28	2028-29
1	2	3	4	5	6	7	8
1	Opening Capital Cost	98741.89	98,689.76	98,689.76	98,689.76	98,689.76	98,689.76
2	Closing Capital Cost	98689.76	98,689.76	98,689.76	98,689.76	98,689.76	98,689.76
3	Average Capital Cost	98715.82	98,689.76	98,689.76	98,689.76	98,689.76	98,689.76
1a	Cost of IT Equipments & Software included in (1) above*	11.58	11.58	11.58	11.58	11.58	11.58
2a	Cost of IT Equipments & Software included in (2) above*	0.00	0.00	0.00	0.00	0.00	0.00
3a	Average Cost of IT Equipments & Software	11.58	11.58	11.58	11.58	11.58	11.58
4	Freehold land	68.76	68.76	68.76	68.76	68.76	68.76
5	Rate of depreciation	SPREAD OVER					
6	Depreciable value	88,783.52	88,760.05	88,760.05	88,760.05	88,760.05	88,760.05
7.	Balance useful life at the beginning of the period	0.00	-	-	-	-	-
8	Remaining depreciable value	309.43	41.30	-	-	-	-
9	Depreciation (for the period)	309.43	41.30	-	-	-	-
10	Depreciation (annualised)	**309.43**	**41.30**	**-**	**-**	**-**	**-**
11	Cumulative depreciation at the end of the period	88,783.52	88,760.05	88,760.05	88,760.05	88,760.05	88,760.05
12	Less: Cumulative depreciation adjustment on account of un-discharged liabilities deducted as on 01.04.2009	-	-	-	-	-	-
13	Add: Cumulative depreciation adjustment on account of liability Discharge	-	-	-	-	-	-
14	Less: Cumulative depreciation adjustment on account of de-capitalisation	-64.76	-	-	-	-	-
15	Net Cumulative depreciation at the end of the period after adjustments	88,718.76	88,760.05	88,760.05	88,760.05	88,760.05	88,760.05

Statement of Depreciation for New Asset added after 20 years of COD

Name of the Company :	**NTPC Limited**
Name of the Power Station :	**Dadri Gas Power Station**

(Amount in Rs Lakh)

S. No.	Particulars	Existing 2023-24	2024-25	2025-26	2026-27	2027-28	2028-29
1	2	3	4	5	6	7	8
1	Opening Capital Cost	0.00	-	45.98	318.80	318.80	318.80
2	Add Cap		45.98	272.82	-	-	-
2	Closing Capital Cost	0.00	45.98	318.80	318.80	318.80	318.80
3	Average Capital Cost	0.00	22.99	182.39	318.80	318.80	318.80
1a	Cost of IT Equipments & Software included in (1) above*	0.00	0.00	0.00	0.00	0.00	0.00
2a	Cost of IT Equipments & Software included in (2) above*	0.00	0.00	0.00	0.00	0.00	0.00
3a	Average Cost of IT Equipments & Software	0.00	0.00	0.00	0.00	0.00	0.00
4	Freehold land	0.00	-	-	-	-	-
5	Rate of depreciation	SPREAD OVER					
6	Depreciable value	0.00	20.69	164.15	286.92	286.92	286.92
7.	Balance useful life at the beginning of the period	0.00	5	4	3	2	1
8	Remaining depreciable value	0.00	20.69	160.01	242.78	161.85	80.93
9	Depreciation (for the period)	0.00	4.14	40.00	80.93	80.93	80.93
10	Depreciation (annualised)	**-**	**4.14**	**40.00**	**80.93**	**80.93**	**80.93**
11	Cumulative depreciation at the end of the period	0.00	4.14	44.14	125.07	205.99	286.92
12	Less: Cumulative depreciation adjustment on account of un-discharged liabilities deducted as on 01.04.2009	-	-	-	-	-	-
13	Add: Cumulative depreciation adjustment on account of liability Discharge	-	-	-	-	-	-
14	Less: Cumulative depreciation adjustment on account of de-capitalisation	0.00	-	-	-	-	-
15	Net Cumulative depreciation at the end of the period after adjustments	-	4.14	44.14	125.07	205.99	286.92

* Shall be provided at true-up.

FORM-13	FORM-13				
Calculation of Interest on Actual Loans					
Name of the Company	NTPC Limited				
Name of the Power Station	Dadri Gas Power Station				
					(Amount in l
Sl	Particulars	2024-25	2025-26	2026-27	2027-28	2028-29
1	**Bonds 54 Series**					
	Gross loan - Opening	600.00	600.00	600.00	600.00	600.00
	Cumulative repayments of Loans	360.00	600.00	600.00	600.00	600.00
	Net loan - Opening	240.00	0.00	0.00	0.00	0.00
	Addition	0.00	0.00	0.00	0.00	0.00
	Repayments of Loans during the year	240.00	0.00	0.00	0.00	0.00
	Net loan - Closing	0.00	0.00	0.00	0.00	0.00
	Average Net Loan	120.00	0.00	0.00	0.00	0.00
	Rate of Interest on Loan	8.5200%	8.5200%	8.5200%	8.5200%	8.5200%
	Interest on loan	10.22	0.00	0.00	0.00	0.00
2	**Bonds 74 Series**					
	Gross loan - Opening	100.00	100.00	100.00	100.00	100.00
	Cumulative repayments of Loans	0.00	0.00	0.00	0.00	0.00
	Net loan - Opening	100.00	100.00	100.00	100.00	100.00
	Addition	0.00	0.00	0.00	0.00	0.00
	Repayments of Loans during the year	0.00	0.00	0.00	0.00	0.00
	Net loan - Closing	100.00	100.00	100.00	100.00	100.00
	Average Net Loan	100.00	100.00	100.00	100.00	100.00
	Rate of Interest on Loan	6.9000%	6.9000%	6.9000%	6.9000%	6.9000%
	Interest on loan	6.90	6.90	6.90	6.90	6.90
3	**Bonds 75 Series**					
	Gross loan - Opening	200.00	200.00	200.00	200.00	200.00
	Cumulative repayments of Loans	0.00	0.00	0.00	0.00	0.00
	Net loan - Opening	200.00	200.00	200.00	200.00	200.00
	Addition	0.00	0.00	0.00	0.00	0.00
	Repayments of Loans during the year	0.00	0.00	0.00	0.00	0.00
	Net loan - Closing	200.00	200.00	200.00	200.00	200.00
	Average Net Loan	200.00	200.00	200.00	200.00	200.00
	Rate of Interest on Loan	6.7200%	6.7200%	6.7200%	6.7200%	6.7200%
	Interest on loan	13.44	13.44	13.44	13.44	13.44
4	**Punjab National Bank-III D3**					
	Gross loan - Opening	4000.00	4000.00	4000.00	4000.00	4000.00
	Cumulative repayments of Loans	1333.33	1777.78	2222.22	2666.67	3111.11
	Net loan - Opening	2666.67	2222.22	1777.78	1333.33	888.89
	Addition	0.00	0.00	0.00	0.00	0.00
	Repayments of Loans 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	7.9000%	7.9000%	7.9000%	7.9000%	7.9000%

Name of the Company		NTPC Limited				
Name of the Power Station		Dadri Gas Power Station				
						(Amount in l
Sl	Particulars	2024-25	2025-26	2026-27	2027-28	2028-29
	Interest on loan	193.11	158.00	122.89	87.78	52.67
5	**PNB IV**					
	Gross loan - Opening	5600.00	5600.00	5600.00	5600.00	5600.00
	Cumulative repayments of Loans	1866.67	2488.89	3111.11	3733.33	4355.56
	Net loan - Opening	3733.33	3111.11	2488.89	1866.67	1244.44
	Addition	0.00	0.00	0.00	0.00	0.00
	Repayments of Loans during the year	622.22	622.22	622.22	622.22	622.22
	Net loan - Closing	3111.11	2488.89	1866.67	1244.44	622.22
	Average Net Loan	3422.22	2800.00	2177.78	1555.56	933.33
	Rate of Interest on Loan	7.9000%	7.9000%	7.9000%	7.9000%	7.9000%
	Interest on loan	270.36	221.20	172.04	122.89	73.73
6	**SBI-VIII D18**					
	Gross loan - Opening	1000.00	1000.00	1000.00	1000.00	1000.00
	Cumulative repayments of Loans	333.33	444.44	555.56	666.67	777.78
	Net loan - Opening	666.67	555.56	444.44	333.33	222.22
	Addition	0.00	0.00	0.00	0.00	0.00
	Repayments of Loans during the year	111.11	111.11	111.11	111.11	111.11
	Net loan - Closing	555.56	444.44	333.33	222.22	111.11
	Average Net Loan	611.11	500.00	388.89	277.78	166.67
	Rate of Interest on Loan	8.2000%	8.2000%	8.2000%	8.2000%	8.2000%
	Interest on loan	50.11	41.00	31.89	22.78	13.67

	Name of the Company	NTPC Limited				
	Name of the Power Station	Dadri Gas Power Station				
						(Amount in l
Sl	Particulars	2024-25	2025-26	2026-27	2027-28	2028-29
7	**SBI-IX D10**					
	Gross loan - Opening	4500.00	4500.00	4500.00	4500.00	4500.00
	Cumulative repayments of Loans	2000.00	2500.00	3000.00	3500.00	4000.00
	Net loan - Opening	2500.00	2000.00	1500.00	1000.00	500.00
	Addition	0.00	0.00	0.00	0.00	0.00
	Repayments of Loans during the year	500.00	500.00	500.00	500.00	500.00
	Net loan - Closing	2000.00	1500.00	1000.00	500.00	0.00
	Average Net Loan	2250.00	1750.00	1250.00	750.00	250.00
	Rate of Interest on Loan	8.2000%	8.2000%	8.2000%	8.2000%	8.2000%
	Interest on loan	184.50	143.50	102.50	61.50	20.50
9	**HDFC IX**					
	Gross loan - Opening	300.00	300.00	300.00	300.00	300.00
	Cumulative repayments of Loans	0.00	25.00	50.00	75.00	100.00
	Net loan - Opening	300.00	275.00	250.00	225.00	200.00
	Addition	0.00	0.00	0.00	0.00	0.00
	Repayments of Loans during the year	25.00	25.00	25.00	25.00	25.00
	Net loan - Closing	275.00	250.00	225.00	200.00	175.00
	Average Net Loan	287.50	262.50	237.50	212.50	187.50
	Rate of Interest on Loan	7.9500%	7.9500%	7.9500%	7.9500%	7.9500%
	Interest on loan	22.86	20.87	18.88	16.89	14.91
10	**Bank Of India-IV**					
	Gross loan - Opening	600.00	600.00	600.00	600.00	600.00
	Cumulative repayments of Loans	0.00	50.00	100.00	150.00	200.00
	Net loan - Opening	600.00	550.00	500.00	450.00	400.00
	Addition	0.00	0.00	0.00	0.00	0.00
	Repayments of Loans during the year	50.00	50.00	50.00	50.00	50.00
	Net loan - Closing	550.00	500.00	450.00	400.00	350.00
	Average Net Loan	575.00	525.00	475.00	425.00	375.00
	Rate of Interest on Loan	8.0000%	8.0000%	8.0000%	8.0000%	8.0000%
	Interest on loan	46.00	42.00	38.00	34.00	30.00
	Total Loan					
	Gross loan - Opening	17,500.00	17,500.00	17,500.00	17,500.00	17,500.00
	Cumulative repayments of Loans	6,493.33	8,486.11	10,238.89	11,991.67	13,744.44
	Net loan - Opening	11,006.67	9,013.89	7,261.11	5,508.33	3,755.56
	Addition	-	-	-	-	-
	Repayments of Loans during the year	1,992.78	1,752.78	1,752.78	1,752.78	1,752.78
	Net loan - Closing	9,013.89	7,261.11	5,508.33	3,755.56	2,002.78
	Average Net Loan	10,010.28	8,137.50	6,384.72	4,631.94	2,879.17
	Rate of Interest on Loan	7.9668%	7.9497%	7.9337%	7.9055%	7.8430%
	Interest on loan	797.50	646.91	506.54	366.1[illegible]	225.81

PART-I
FORM- 15

Details of Source wise Fuel for Computation of Energy Charges

Name of the Company :	**NTPC Limited**
Name of the Power Station :	**Dadri Gas power Station**

S. No.	Particulars	Unit (Gas/Liquid)	Apr-23			
			NG	RLNG	C-RLNG	Liquid fuel
A)	**OPENING QUANTITY**					
1	Opening Quantity of NG/RLNG/Liquid Fuel	SCM / KL				8,932.91
2	Value of Stock	Rs.				93,98,33,878.00
B)	**QUANTITY**					
3	Quantity of NG/RLNG/Liquid Fuel supplied by Fuel Suppliers	SCM / KL	-	58,79,828.332	7,75,593.668	-
4	Adjustment (+/-) in quantity supplied made by NG/RLNG/Liquid Fuel	SCM / KL				-
5	NG/RLNG/Liquid Fuel supplied by Fuel Suppliers (3+4)	SCM / KL	-	58,79,828.332	7,75,593.668	-
6	Normative Transit & Handling Losses (For Gas Projects)	SCM / KL				-
7	Net NG/RLNG/Liquid Fuel Supplied (5-6)	SCM / KL	-	58,79,828.332	7,75,593.668	-
C)	**PRICE**					
8	Amount charged for the NG/RLNG/Liquid Fuel By the Suppliers	Rs.	-	29,54,01,073	4,22,80,575	
9	Adjustment (+/-) in amount charged made by Fuel Suppliers for NG/RLNG/Liquid Fuel	Rs.				
10	Handling, Sampling and such other similar charges	Rs.				
11	Total amount Charged (8+9+10)	Rs.	-	29,54,01,073	4,22,80,575	-
D)	**TRANSPORTATION**					
12	Transportation charges by rail, ship, road transport	Rs.	-	-		
13	Adjustment (+/-) in amount charged made by Railways/Transport Company	Rs.				
14	Demurrage Charges, if any	Rs.				
15	Cost of diesel in transporting coal through MGR system, if applicable	Rs.				
16	Total Transportation Charges (12+13+14+15)	Rs.	-	-	-	-
17a	Others		-	-		
17	Total amount Charged for NG/RLNG/Liquid Fuel supplied including Transportation (11+16)	Rs.	-	29,54,01,073	4,22,80,575	-
E)	**TOTAL COST**					
18	Landed cost of NG/RLNG/Liquid Fuel (2+17)/(1+7)	Rs/1000 SCM / Rs. Per KL	9,168.84	50,239.74	54,513.82	1,05,210.27
19	Blending Ratio	%	NA	NA	NA	NA
20	Weighted average cost of NG/RLNG/Liquid Fuel	Rs/1000 SCM / Rs. Per KL	**9,168.84**	**50,239.74**	**54,513.82**	**1,05,210.27**
F)	**QUALITY**					
21	GCV of NG/RLNG/Liquid Fuel of the opening stock as per bill of Fuel Suppliers	(Kcal/SCM)/ Kcal/KL				9,060
22	GCV of NG/RLNG/Liquid Fuel supplied as per bill of Fuel Suppliers	(Kcal/SCM)/ Kcal/KL	9,197	9,155	9,104	
23	GCV of Imported NG/RLNG/Liquid Fuel of the opening stock as per bill of Fuel Suppliers	(Kcal/SCM)/ Kcal/KL				
24	GCV of Imported NG/RLNG/Liquid Fuel supplied as per bill of Fuel Suppliers	(Kcal/SCM)/ Kcal/KL				
25	Weighted average GCV of NG/RLNG/Liquid Fuel as Billed	(Kcal/SCM)/ Kcal/KL	9,197	9,155	9,104	9,060
26	GCV of NG/RLNG/Liquid Fuel of the opening stock as received at Station	(Kcal/SCM)/ Kcal/KL				9,060
27	GCV of NG/RLNG/Liquid Fuel supplied as received at Station	(Kcal/SCM)/ Kcal/KL	9,196.83	9,154.94	9,103.55	
28	GCV of Imported NG/RLNG/Liquid Fuel of the opening stock as received at Station	(Kcal/SCM)/ Kcal/KL				
29	GCV of Imported NG/RLNG/Liquid Fuel supplied as received at Station	(Kcal/SCM)/ Kcal/KL				
30	Weighted average GCV of NG/RLNG/Liquid Fuel as Received	(Kcal/SCM)/ Kcal/KL	**9,196.83**	**9,154.94**	**9,103.55**	

PART-I
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			Details of Source wise Fuel for Com	**Details of Source wise Fuel for Computation of Energy Charges**			
Name of the Company :		**NTPC Limited**	**NTPC Limited**			
Name of the Power Station :		**Dadri Gas powe**	**Dadri Gas power Station**			
S. No.	**Particulars**	**Unit (Gas/Liquid)**	**May-23**			
			NG	**RLNG**	**C-RLNG**	**Liquid fuel**
A)	**OPENING QUANTITY**					
1	Opening Quantity of NG/RLNG/Liquid Fuel	SCM / KL				8,932.91
2	Value of Stock	Rs.				93,98,33,878.00
B)	**QUANTITY**					
3	Quantity of NG/RLNG/Liquid Fuel supplied by Fuel Suppliers	SCM / KL	-	1,22,58,544.000		
4	Adjustment (+/-) in quantity supplied made by NG/RLNG/Liquid Fuel	SCM / KL				
5	NG/RLNG/Liquid Fuel supplied by Fuel Suppliers (3+4)	SCM / KL	-	1,22,58,544.000	-	-
6	Normative Transit & Handling Losses (For Gas Projects)	SCM / KL				
7	Net NG/RLNG/Liquid Fuel Supplied (5-6)	SCM / KL	-	1,22,58,544.000	-	-
C)	**PRICE**					
8	Amount charged for the NG/RLNG/Liquid Fuel By the Suppliers	Rs.	-	63,38,22,117		
9	Adjustment (+/-) in amount charged made by Fuel Suppliers for NG/RLNG/Liquid Fuel	Rs.				
10	Handling, Sampling and such other similar charges	Rs.				
11	Total amount Charged (8+9+10)	Rs.	-	63,38,22,117	-	-
D)	**TRANSPORTATION**					
12	Transportation charges by rail, ship, road transport	Rs.	-	-		
13	Adjustment (+/-) in amount charged made by Railways/Transport Company	Rs.				
14	Demurrage Charges, if any	Rs.				
15	Cost of diesel in transporting coal through MGR system, if applicable	Rs.				
16	Total Transportation Charges (12+13+14+15)	Rs.	-	-	-	-
17a	Others		-	-		
17	Total amount Charged for NG/RLNG/Liquid Fuel supplied including Transportation (11+16)	Rs.	-	63,38,22,117	-	-
E)	**TOTAL COST**					
18	Landed cost of NG/RLNG/Liquid Fuel (2+17)/(1+7)	Rs/1000 SCM / Rs. Per KL	9,168.84	51,704.52	54,513.82	1,05,210.27
19	Blending Ratio	%	NA	NA	NA	NA
20	Weighted average cost of NG/RLNG/Liquid Fuel	Rs/1000 SCM / Rs. Per KL	**9,168.84**	**51,704.52**	**54,513.82**	**1,05,210.27**
F)	**QUALITY**					
21	GCV of NG/RLNG/Liquid Fuel of the opening stock as per bill of Fuel Suppliers	(Kcal/SCM)/ Kcal/KL				9,060
22	GCV of NG/RLNG/Liquid Fuel supplied as per bill of Fuel Suppliers	(Kcal/SCM)/ Kcal/KL	9,196.83	9,303	9,104	
23	GCV of Imported NG/RLNG/Liquid Fuel of the opening stock as per bill of Fuel Suppliers	(Kcal/SCM)/ Kcal/KL				
24	GCV of Imported NG/RLNG/Liquid Fuel supplied as per bill of Fuel Suppliers	(Kcal/SCM)/ Kcal/KL				
25	Weighted average GCV of NG/RLNG/Liquid Fuel as Billed	(Kcal/SCM)/ Kcal/KL	9,197	9,303	9,104	9,060
26	GCV of NG/RLNG/Liquid Fuel of the opening stock as received at Station	(Kcal/SCM)/ Kcal/KL				9,060
27	GCV of NG/RLNG/Liquid Fuel supplied as received at Station	(Kcal/SCM)/ Kcal/KL	9,196.83	9,302.58	9,103.55	
28	GCV of Imported NG/RLNG/Liquid Fuel of the opening stock as received at Station	(Kcal/SCM)/ Kcal/KL				
29	GCV of Imported NG/RLNG/Liquid Fuel supplied as received at Station	(Kcal/SCM)/ Kcal/KL				
30	Weighted average GCV of NG/RLNG/Liquid Fuel as Received	(Kcal/SCM)/ Kcal/KL	**9,196.83**	**9,302.58**	**9,103.55**	**9,060**

							PART-I **FORM- 15**
		Details of Source wise Fuel for Com	**Details of Source wise Fuel for Computation of Energy Charges**				
Name of the Company :		**NTPC Limited**	**NTPC Limited**				
Name of the Power Station :		**Dadri Gas powe**	**Dadri Gas power Station**				
S. No.	**Particulars**	**Unit (Gas/Liquid)**	**Jun-23**				
			NG	**RLNG**	**C-RLNG**	**Liquid fuel**	
A)	**OPENING QUANTITY**						
1	Opening Quantity of NG/RLNG/Liquid Fuel	SCM / KL				8,932.91	
2	Value of Stock	Rs.				93,98,33,878.00	
B)	**QUANTITY**						
3	Quantity of NG/RLNG/Liquid Fuel supplied by Fuel Suppliers	SCM / KL	-	3,37,43,962.310	16,13,976.295		
4	Adjustment (+/-) in quantity supplied made by NG/RLNG/Liquid Fuel	SCM / KL					
5	NG/RLNG/Liquid Fuel supplied by Fuel Suppliers (3+4)	SCM / KL	-	3,37,43,962.310	16,13,976.295	-	
6	Normative Transit & Handling Losses (For Gas Projects)	SCM / KL					
7	Net NG/RLNG/Liquid Fuel Supplied (5-6)	SCM / KL	-	3,37,43,962.310	16,13,976.295	-	
C)	**PRICE**						
8	Amount charged for the NG/RLNG/Liquid Fuel By the Suppliers	Rs.	-	1,72,76,92,920	8,02,25,863		
9	Adjustment (+/-) in amount charged made by Fuel Suppliers for NG/RLNG/Liquid Fuel	Rs.					
10	Handling, Sampling and such other similar charges	Rs.					
11	Total amount Charged (8+9+10)	Rs.	-	1,72,76,92,920	8,02,25,863	-	
D)	**TRANSPORTATION**						
12	Transportation charges by rail, ship, road transport	Rs.	-	-			
13	Adjustment (+/-) in amount charged made by Railways/Transport Company	Rs.					
14	Demurrage Charges, if any	Rs.					
15	Cost of diesel in transporting coal through MGR system, if applicable	Rs.					
16	Total Transportation Charges (12+13+14+15)	Rs.	-	-	-	-	
17a	Others		-	-			
17	Total amount Charged for NG/RLNG/Liquid Fuel supplied including Transportation (11+16)	Rs.	-	1,72,76,92,920	8,02,25,863	-	
E)	**TOTAL COST**						
18	Landed cost of NG/RLNG/Liquid Fuel (2+17)/(1+7)	Rs/1000 SCM / Rs. Per KL	9,168.84	51,200.06	49,706.96	1,05,210.27	
19	Blending Ratio	%	NA	NA	NA	NA	
20	Weighted average cost of NG/RLNG/Liquid Fuel	Rs/1000 SCM / Rs. Per KL	**9,168.84**	**51,200.06**	**49,706.96**	**1,05,210.27**	
F)	**QUALITY**						
21	GCV of NG/RLNG/Liquid Fuel of the opening stock as per bill of Fuel Suppliers	(Kcal/SCM)/ Kcal/KL				9,060	
22	GCV of NG/RLNG/Liquid Fuel supplied as per bill of Fuel Suppliers	(Kcal/SCM)/ Kcal/KL	9,196.83	9,432.38	9,614.96		
23	GCV of Imported NG/RLNG/Liquid Fuel of the opening stock as per bill of Fuel Suppliers	(Kcal/SCM)/ Kcal/KL					
24	GCV of Imported NG/RLNG/Liquid Fuel supplied as per bill of Fuel Suppliers	(Kcal/SCM)/ Kcal/KL					
25	Weighted average GCV of NG/RLNG/Liquid Fuel as Billed	(Kcal/SCM)/ Kcal/KL	9,196.83	9,432.38	9,614.96	9,060.00	
26	GCV of NG/RLNG/Liquid Fuel of the opening stock as received at Station	(Kcal/SCM)/ Kcal/KL				9,060.00	
27	GCV of NG/RLNG/Liquid Fuel supplied as received at Station	(Kcal/SCM)/ Kcal/KL	9,196.83	9,432.38	9,614.96		
28	GCV of Imported NG/RLNG/Liquid Fuel of the opening stock as received at Station	(Kcal/SCM)/ Kcal/KL					
29	GCV of Imported NG/RLNG/Liquid Fuel supplied as received at Station	(Kcal/SCM)/ Kcal/KL					
30	Weighted average GCV of NG/RLNG/Liquid Fuel as Received	(Kcal/SCM)/ Kcal/KL	**9,196.83**	**9,432.38**	**9,614.96**	**9,06**	

PART-I
FORM- 15

Details of Source wise Fuel for Com | **Details of Source wise Fuel for Computation of Energy Charges**

Name of the Company :		**NTPC Limited**	**NTPC Limited**			
Name of the Power Station :		**Dadri Gas powe**	**Dadri Gas power Station**			
S. No.	**Particulars**	**Unit (Gas/Liquid)**	**Jul-23**			
			NG	**RLNG**	**C-RLNG**	**Liquid fuel**
A)	**OPENING QUANTITY**					
1	Opening Quantity of NG/RLNG/Liquid Fuel	SCM / KL				8,932.91
2	Value of Stock	Rs.				93,98,33,878.00
B)	**QUANTITY**					
3	Quantity of NG/RLNG/Liquid Fuel supplied by Fuel Suppliers	SCM / KL		3,01,92,509.620	79,99,564.680	
4	Adjustment (+/-) in quantity supplied made by NG/RLNG/Liquid Fuel	SCM / KL				
5	NG/RLNG/Liquid Fuel supplied by Fuel Suppliers (3+4)	SCM / KL	-	3,01,92,509.620	79,99,564.680	-
6	Normative Transit & Handling Losses (For Gas Projects)	SCM / KL				
7	Net NG/RLNG/Liquid Fuel Supplied (5-6)	SCM / KL	-	3,01,92,509.620	79,99,564.680	-
C)	**PRICE**					
8	Amount charged for the NG/RLNG/Liquid Fuel By the Suppliers	Rs.	-	1,53,41,60,484	39,99,26,099	
9	Adjustment (+/-) in amount charged made by Fuel Suppliers for NG/RLNG/Liquid Fuel	Rs.				
10	Handling, Sampling and such other similar charges	Rs.				
11	Total amount Charged (8+9+10)	Rs.	-	1,53,41,60,484	39,99,26,099	-
D)	**TRANSPORTATION**					
12	Transportation charges by rail, ship, road transport	Rs.	-	-		
13	Adjustment (+/-) in amount charged made by Railways/Transport Company	Rs.				
14	Demurrage Charges, if any	Rs.				
15	Cost of diesel in transporting coal through MGR system, if applicable	Rs.				
16	Total Transportation Charges (12+13+14+15)	Rs.	-	-	-	-
17a	Others		-	-		
17	Total amount Charged for NG/RLNG/Liquid Fuel supplied including Transportation (11+16)	Rs.	-	1,53,41,60,484	39,99,26,099	-
E)	**TOTAL COST**					
18	Landed cost of NG/RLNG/Liquid Fuel (2+17)/(1+7)	Rs/1000 SCM / Rs. Per KL	9,168.84	50,812.62	49,993.48	1,05,210.27
19	Blending Ratio	%	NA	NA	NA	NA
20	Weighted average cost of NG/RLNG/Liquid Fuel	Rs/1000 SCM / Rs. Per KL	**9,168.84**	**50,812.62**	**49,993.48**	**1,05,210.27**
F)	**QUALITY**					
21	GCV of NG/RLNG/Liquid Fuel of the opening stock as per bill of Fuel Suppliers	(Kcal/SCM)/ Kcal/KL				9,060
22	GCV of NG/RLNG/Liquid Fuel supplied as per bill of Fuel Suppliers	(Kcal/SCM)/ Kcal/KL	9,196.83	9,450.29	9,436.26	
23	GCV of Imported NG/RLNG/Liquid Fuel of the opening stock as per bill of Fuel Suppliers	(Kcal/SCM)/ Kcal/KL				
24	GCV of Imported NG/RLNG/Liquid Fuel supplied as per bill of Fuel Suppliers	(Kcal/SCM)/ Kcal/KL				
25	Weighted average GCV of NG/RLNG/Liquid Fuel as Billed	(Kcal/SCM)/ Kcal/KL	9,196.83	9,450.29	9,436.26	9,060.00
26	GCV of NG/RLNG/Liquid Fuel of the opening stock as received at Station	(Kcal/SCM)/ Kcal/KL				9,060.00
27	GCV of NG/RLNG/Liquid Fuel supplied as received at Station	(Kcal/SCM)/ Kcal/KL	9,196.83	9,450.29	9,436.26	
28	GCV of Imported NG/RLNG/Liquid Fuel of the opening stock as received at Station	(Kcal/SCM)/ Kcal/KL				
29	GCV of Imported NG/RLNG/Liquid Fuel supplied as received at Station	(Kcal/SCM)/ Kcal/KL				
30	Weighted average GCV of NG/RLNG/Liquid Fuel as Received	(Kcal/SCM)/ Kcal/KL	**9,196.83**	**9,450.29**	**9,436.26**	**9,06**

PART-I
FORM- 15

Details of Source wise Fuel for Com | **Details of Source wise Fuel for Computation of Energy Charges**

Name of the Company :		**NTPC Limited**	**NTPC Limited**			
Name of the Power Station :		**Dadri Gas powe**	**Dadri Gas power Station**			
S. No.	**Particulars**	**Unit (Gas/Liquid)**	**Aug-23**			
			NG	**RLNG**	**C-RLNG**	**Liquid fuel**
A)	**OPENING QUANTITY**					
1	Opening Quantity of NG/RLNG/Liquid Fuel	SCM / KL				8,932.91
2	Value of Stock	Rs.				93,98,33,878.00
B)	**QUANTITY**					
3	Quantity of NG/RLNG/Liquid Fuel supplied by Fuel Suppliers	SCM / KL		2,98,34,524.620	2,50,08,704.680	
4	Adjustment (+/-) in quantity supplied made by NG/RLNG/Liquid Fuel	SCM / KL				
5	NG/RLNG/Liquid Fuel supplied by Fuel Suppliers (3+4)	SCM / KL	-	2,98,34,524.620	2,50,08,704.680	-
6	Normative Transit & Handling Losses (For Gas Projects)	SCM / KL				
7	Net NG/RLNG/Liquid Fuel Supplied (5-6)	SCM / KL	-	2,98,34,524.620	2,50,08,704.680	-
C)	**PRICE**					
8	Amount charged for the NG/RLNG/Liquid Fuel By the Suppliers	Rs.	-	1,48,40,95,194	1,23,10,88,358	
9	Adjustment (+/-) in amount charged made by Fuel Suppliers for NG/RLNG/Liquid Fuel	Rs.				
10	Handling, Sampling and such other similar charges	Rs.				
11	Total amount Charged (8+9+10)	Rs.	-	1,48,40,95,194	1,23,10,88,358	-
D)	**TRANSPORTATION**					
12	Transportation charges by rail, ship, road transport	Rs.	-	-		
13	Adjustment (+/-) in amount charged made by Railways/Transport Company	Rs.				
14	Demurrage Charges, if any	Rs.				
15	Cost of diesel in transporting coal through MGR system, if applicable	Rs.				
16	Total Transportation Charges (12+13+14+15)	Rs.	-	-	-	-
17a	Others		-	-		
17	Total amount Charged for NG/RLNG/Liquid Fuel supplied including Transportation (11+16)	Rs.	-	1,48,40,95,194	1,23,10,88,358	-
E)	**TOTAL COST**					
18	Landed cost of NG/RLNG/Liquid Fuel (2+17)/(1+7)	Rs/1000 SCM / Rs. Per KL	9,168.84	49,744.22	49,226.39	1,05,210.27
19	Blending Ratio	%	NA	NA	NA	NA
20	Weighted average cost of NG/RLNG/Liquid Fuel	Rs/1000 SCM / Rs. Per KL	**9,168.84**	**49,744.22**	**49,226.39**	**1,05,210.27**
F)	**QUALITY**					
21	GCV of NG/RLNG/Liquid Fuel of the opening stock as per bill of Fuel Suppliers	(Kcal/SCM)/ Kcal/KL				9,060
22	GCV of NG/RLNG/Liquid Fuel supplied as per bill of Fuel Suppliers	(Kcal/SCM)/ Kcal/KL	9,196.83	9,360.97	9,463.28	
23	GCV of Imported NG/RLNG/Liquid Fuel of the opening stock as per bill of Fuel Suppliers	(Kcal/SCM)/ Kcal/KL				
24	GCV of Imported NG/RLNG/Liquid Fuel supplied as per bill of Fuel Suppliers	(Kcal/SCM)/ Kcal/KL				
25	Weighted average GCV of NG/RLNG/Liquid Fuel as Billed	(Kcal/SCM)/ Kcal/KL	9,196.83	9,360.97	9,463.28	9,060.00
26	GCV of NG/RLNG/Liquid Fuel of the opening stock as received at Station	(Kcal/SCM)/ Kcal/KL				9,060.00
27	GCV of NG/RLNG/Liquid Fuel supplied as received at Station	(Kcal/SCM)/ Kcal/KL	9,196.83	9,360.97	9,463.28	
28	GCV of Imported NG/RLNG/Liquid Fuel of the opening stock as received at Station	(Kcal/SCM)/ Kcal/KL				
29	GCV of Imported NG/RLNG/Liquid Fuel supplied as received at Station	(Kcal/SCM)/ Kcal/KL				
30	Weighted average GCV of NG/RLNG/Liquid Fuel as Received	(Kcal/SCM)/ Kcal/KL	**9,196.83**	**9,360.97**	**9,463.28**	**9,06**

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FORM- 15

			Details of Source wise Fuel for Com	Details of Source wise Fuel for Computation of Energy Charges		
Name of the Company :		**NTPC Limited**	**NTPC Limited**			
Name of the Power Station :		**Dadri Gas powe**	**Dadri Gas power Station**			
S. No.	**Particulars**	**Unit (Gas/Liquid)**	**Sep-23**			
			NG	**RLNG**	**C-RLNG**	**Liquid fuel**
A)	**OPENING QUANTITY**					
1	Opening Quantity of NG/RLNG/Liquid Fuel	SCM / KL				8,932.91
2	Value of Stock	Rs.				93,98,33,878.00
B)	**QUANTITY**					
3	Quantity of NG/RLNG/Liquid Fuel supplied by Fuel Suppliers	SCM / KL		2,31,88,453.370	1,07,748.630	
4	Adjustment (+/-) in quantity supplied made by NG/RLNG/Liquid Fuel	SCM / KL				
5	NG/RLNG/Liquid Fuel supplied by Fuel Suppliers (3+4)	SCM / KL	-	2,31,88,453.370	1,07,748.630	-
6	Normative Transit & Handling Losses (For Gas Projects)	SCM / KL				
7	Net NG/RLNG/Liquid Fuel Supplied (5-6)	SCM / KL	-	2,31,88,453.370	1,07,748.630	-
C)	**PRICE**					
8	Amount charged for the NG/RLNG/Liquid Fuel By the Suppliers	Rs.	-	1,17,31,10,547	54,97,510	
9	Adjustment (+/-) in amount charged made by Fuel Suppliers for NG/RLNG/Liquid Fuel	Rs.				
10	Handling, Sampling and such other similar charges	Rs.				
11	Total amount Charged (8+9+10)	Rs.	-	1,17,31,10,547	54,97,510	-
D)	**TRANSPORTATION**					
12	Transportation charges by rail, ship, road transport	Rs.	-	-		
13	Adjustment (+/-) in amount charged made by Railways/Transport Company	Rs.				
14	Demurrage Charges, if any	Rs.				
15	Cost of diesel in transporting coal through MGR system, if applicable	Rs.				
16	Total Transportation Charges (12+13+14+15)	Rs.	-	-	-	-
17a	Others		-	-		
17	Total amount Charged for NG/RLNG/Liquid Fuel supplied including Transportation (11+16)	Rs.	-	1,17,31,10,547	54,97,510	-
E)	**TOTAL COST**					
18	Landed cost of NG/RLNG/Liquid Fuel (2+17)/(1+7)	Rs/1000 SCM / Rs. Per KL	9,168.84	50,590.29	51,021.62	1,05,210.27
19	Blending Ratio	%	NA	NA	NA	NA
20	Weighted average cost of NG/RLNG/Liquid Fuel	Rs/1000 SCM / Rs. Per KL	**9,168.84**	**50,590.29**	**51,021.62**	**1,05,210.27**
F)	**QUALITY**					
21	GCV of NG/RLNG/Liquid Fuel of the opening stock as per bill of Fuel Suppliers	(Kcal/SCM)/ Kcal/KL				9,060
22	GCV of NG/RLNG/Liquid Fuel supplied as per bill of Fuel Suppliers	(Kcal/SCM)/ Kcal/KL	9,196.83	9,297.08	9,283.88	
23	GCV of Imported NG/RLNG/Liquid Fuel of the opening stock as per bill of Fuel Suppliers	(Kcal/SCM)/ Kcal/KL				
24	GCV of Imported NG/RLNG/Liquid Fuel supplied as per bill of Fuel Suppliers	(Kcal/SCM)/ Kcal/KL				
25	Weighted average GCV of NG/RLNG/Liquid Fuel as Billed	(Kcal/SCM)/ Kcal/KL	9,196.83	9,297.08	9,283.88	9,060.00
26	GCV of NG/RLNG/Liquid Fuel of the opening stock as received at Station	(Kcal/SCM)/ Kcal/KL				9,060.00
27	GCV of NG/RLNG/Liquid Fuel supplied as received at Station	(Kcal/SCM)/ Kcal/KL	9,196.83	9,297.08	9,283.88	
28	GCV of Imported NG/RLNG/Liquid Fuel of the opening stock as received at Station	(Kcal/SCM)/ Kcal/KL				
29	GCV of Imported NG/RLNG/Liquid Fuel supplied as received at Station	(Kcal/SCM)/ Kcal/KL				
30	Weighted average GCV of NG/RLNG/Liquid Fuel as Received	(Kcal/SCM)/ Kcal/KL	**9,196.83**	**9,297.08**	**9,283.88**	**9,06**

PART-I
FORM- 15

		Details of Source wise Fuel for Com	Details of Source wise Fuel for Computation of Energy Charges			
Name of the Company :		**NTPC Limited**	**NTPC Limited**			
Name of the Power Station :		**Dadri Gas powe**	**Dadri Gas power Station**			
S. No.	**Particulars**	**Unit (Gas/Liquid)**	**Oct-23**			
			NG	**RLNG**	**C-RLNG**	**Liquid fuel**
A)	**OPENING QUANTITY**					
1	Opening Quantity of NG/RLNG/Liquid Fuel	SCM / KL				8,932.91
2	Value of Stock	Rs.				93,98,33,878.00
B)	**QUANTITY**					
3	Quantity of NG/RLNG/Liquid Fuel supplied by Fuel Suppliers	SCM / KL		2,94,07,182.000	7,22,944.500	
4	Adjustment (+/-) in quantity supplied made by NG/RLNG/Liquid Fuel	SCM / KL				
5	NG/RLNG/Liquid Fuel supplied by Fuel Suppliers (3+4)	SCM / KL	-	2,94,07,182.000	7,22,944.500	-
6	Normative Transit & Handling Losses (For Gas Projects)	SCM / KL				
7	Net NG/RLNG/Liquid Fuel Supplied (5-6)	SCM / KL	-	2,94,07,182.000	7,22,944.500	-
C)	**PRICE**					
8	Amount charged for the NG/RLNG/Liquid Fuel By the Suppliers	Rs.		1,60,93,77,449	-	
9	Adjustment (+/-) in amount charged made by Fuel Suppliers for NG/RLNG/Liquid Fuel	Rs.				
10	Handling, Sampling and such other similar charges	Rs.				
11	Total amount Charged (8+9+10)	Rs.	-	1,60,93,77,449	-	-
D)	**TRANSPORTATION**					
12	Transportation charges by rail, ship, road transport	Rs.	-	-		
13	Adjustment (+/-) in amount charged made by Railways/Transport Company	Rs.				
14	Demurrage Charges, if any	Rs.				
15	Cost of diesel in transporting coal through MGR system, if applicable	Rs.				
16	Total Transportation Charges (12+13+14+15)	Rs.	-	-	-	-
17a	Others		-	-		
17	Total amount Charged for NG/RLNG/Liquid Fuel supplied including Transportation (11+16)	Rs.	-	1,60,93,77,449	-	-
E)	**TOTAL COST**					
18	Landed cost of NG/RLNG/Liquid Fuel (2+17)/(1+7)	Rs/1000 SCM / Rs. Per KL	9,168.84	54,727.36	51,021.62	1,05,210.27
19	Blending Ratio	%	NA	NA	NA	NA
20	Weighted average cost of NG/RLNG/Liquid Fuel	Rs/1000 SCM / Rs. Per KL	**9,168.84**	**54,727.36**	**51,021.62**	**1,05,210.27**
F)	**QUALITY**					
21	GCV of NG/RLNG/Liquid Fuel of the opening stock as per bill of Fuel Suppliers	(Kcal/SCM)/ Kcal/KL				9,060
22	GCV of NG/RLNG/Liquid Fuel supplied as per bill of Fuel Suppliers	(Kcal/SCM)/ Kcal/KL	9,196.83		9,283.88	
23	GCV of Imported NG/RLNG/Liquid Fuel of the opening stock as per bill of Fuel Suppliers	(Kcal/SCM)/ Kcal/KL				
24	GCV of Imported NG/RLNG/Liquid Fuel supplied as per bill of Fuel Suppliers	(Kcal/SCM)/ Kcal/KL				
25	Weighted average GCV of NG/RLNG/Liquid Fuel as Billed	(Kcal/SCM)/ Kcal/KL	9,196.83	9,379.64	9,283.88	9,060.00
26	GCV of NG/RLNG/Liquid Fuel of the opening stock as received at Station	(Kcal/SCM)/ Kcal/KL				9,060.00
27	GCV of NG/RLNG/Liquid Fuel supplied as received at Station	(Kcal/SCM)/ Kcal/KL	9,196.83	9,379.64	9,283.88	
28	GCV of Imported NG/RLNG/Liquid Fuel of the opening stock as received at Station	(Kcal/SCM)/ Kcal/KL				
29	GCV of Imported NG/RLNG/Liquid Fuel supplied as received at Station	(Kcal/SCM)/ Kcal/KL				
30	Weighted average GCV of NG/RLNG/Liquid Fuel as Received	(Kcal/SCM)/ Kcal/KL	**9,196.83**	**9,379.64**	**9,283.88**	**9,06**

PART-I
FORM- 15

		Details of Source wise Fuel for Com	**Details of Source wise Fuel for Computation of Energy Charges**			
Name of the Company :		**NTPC Limited**	**NTPC Limited**			
Name of the Power Station :		**Dadri Gas powe**	**Dadri Gas power Station**			
S. No.	**Particulars**	**Unit (Gas/Liquid)**	**Nov-23**			
			NG	**RLNG**	**C-RLNG**	**Liquid fuel**
A)	**OPENING QUANTITY**					
1	Opening Quantity of NG/RLNG/Liquid Fuel	SCM / KL				8,932.91
2	Value of Stock	Rs.				93,98,33,878.00
B)	**QUANTITY**					
3	Quantity of NG/RLNG/Liquid Fuel supplied by Fuel Suppliers	SCM / KL		-	77,69,380.787	
4	Adjustment (+/-) in quantity supplied made by NG/RLNG/Liquid Fuel	SCM / KL				
5	NG/RLNG/Liquid Fuel supplied by Fuel Suppliers (3+4)	SCM / KL	-	-	77,69,380.787	-
6	Normative Transit & Handling Losses (For Gas Projects)	SCM / KL				
7	Net NG/RLNG/Liquid Fuel Supplied (5-6)	SCM / KL	-	-	77,69,380.787	-
C)	**PRICE**					
8	Amount charged for the NG/RLNG/Liquid Fuel By the Suppliers	Rs.		-	45,56,90,802	
9	Adjustment (+/-) in amount charged made by Fuel Suppliers for NG/RLNG/Liquid Fuel	Rs.				
10	Handling, Sampling and such other similar charges	Rs.				
11	Total amount Charged (8+9+10)	Rs.	-	-	45,56,90,802	-
D)	**TRANSPORTATION**					
12	Transportation charges by rail, ship, road transport	Rs.	-	-		
13	Adjustment (+/-) in amount charged made by Railways/Transport Company	Rs.				
14	Demurrage Charges, if any	Rs.				
15	Cost of diesel in transporting coal through MGR system, if applicable	Rs.				
16	Total Transportation Charges (12+13+14+15)	Rs.	-	-	-	-
17a	Others		-	-		
17	Total amount Charged for NG/RLNG/Liquid Fuel supplied including Transportation (11+16)	Rs.	-	-	45,56,90,802	-
E)	**TOTAL COST**					
18	Landed cost of NG/RLNG/Liquid Fuel (2+17)/(1+7)	Rs/1000 SCM / Rs. Per KL	9,168.84	54,727.36	58,652.14	1,05,210.27
19	Blending Ratio	%	NA	NA	NA	NA
20	Weighted average cost of NG/RLNG/Liquid Fuel	Rs/1000 SCM / Rs. Per KL	**9,168.84**	**54,727.36**	**58,652.14**	**1,05,210.27**
F)	**QUALITY**					
21	GCV of NG/RLNG/Liquid Fuel of the opening stock as per bill of Fuel Suppliers	(Kcal/SCM)/ Kcal/KL				9,057
22	GCV of NG/RLNG/Liquid Fuel supplied as per bill of Fuel Suppliers	(Kcal/SCM)/ Kcal/KL	9,196.83	9,379.64	9,302.48	
23	GCV of Imported NG/RLNG/Liquid Fuel of the opening stock as per bill of Fuel Suppliers	(Kcal/SCM)/ Kcal/KL				
24	GCV of Imported NG/RLNG/Liquid Fuel supplied as per bill of Fuel Suppliers	(Kcal/SCM)/ Kcal/KL				
25	Weighted average GCV of NG/RLNG/Liquid Fuel as Billed	(Kcal/SCM)/ Kcal/KL	9,196.83	9,379.64	9,302.48	9,057.00
26	GCV of NG/RLNG/Liquid Fuel of the opening stock as received at Station	(Kcal/SCM)/ Kcal/KL				9,057.00
27	GCV of NG/RLNG/Liquid Fuel supplied as received at Station	(Kcal/SCM)/ Kcal/KL	9,196.83	9,379.64	9,302.48	
28	GCV of Imported NG/RLNG/Liquid Fuel of the opening stock as received at Station	(Kcal/SCM)/ Kcal/KL				
29	GCV of Imported NG/RLNG/Liquid Fuel supplied as received at Station	(Kcal/SCM)/ Kcal/KL				
30	Weighted average GCV of NG/RLNG/Liquid Fuel as Received	(Kcal/SCM)/ Kcal/KL	**9,196.83**	**9,379.64**	**9,302.48**	**9,05**

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Details of Source wise Fuel for Com | **Details of Source wise Fuel for Computation of Energy Charges**

Name of the Company :		**NTPC Limited**	**NTPC Limited**				
Name of the Power Station :		**Dadri Gas powe**	**Dadri Gas power Station**				
S. No.	**Particulars**	**Unit (Gas/Liquid)**	**Dec-23**				
			NG	**RLNG**	**C-RLNG**	**Liquid fuel**	
A)	**OPENING QUANTITY**						
1	Opening Quantity of NG/RLNG/Liquid Fuel	SCM / KL				8,919.71	
2	Value of Stock	Rs.				93,84,45,312.71	
B)	**QUANTITY**						
3	Quantity of NG/RLNG/Liquid Fuel supplied by Fuel Suppliers	SCM / KL		-	98,56,560.895		
4	Adjustment (+/-) in quantity supplied made by NG/RLNG/Liquid Fuel	SCM / KL					
5	NG/RLNG/Liquid Fuel supplied by Fuel Suppliers (3+4)	SCM / KL	-	-	98,56,560.895	-	
6	Normative Transit & Handling Losses (For Gas Projects)	SCM / KL					
7	Net NG/RLNG/Liquid Fuel Supplied (5-6)	SCM / KL	-	-	98,56,560.895	-	
C)	**PRICE**						
8	Amount charged for the NG/RLNG/Liquid Fuel By the Suppliers	Rs.		-	54,41,96,221		
9	Adjustment (+/-) in amount charged made by Fuel Suppliers for NG/RLNG/Liquid Fuel	Rs.					
10	Handling, Sampling and such other similar charges	Rs.					
11	Total amount Charged (8+9+10)	Rs.	-	-	54,41,96,221	-	
D)	**TRANSPORTATION**						
12	Transportation charges by rail, ship, road transport	Rs.	-	-			
13	Adjustment (+/-) in amount charged made by Railways/Transport Company	Rs.					
14	Demurrage Charges, if any	Rs.					
15	Cost of diesel in transporting coal through MGR system, if applicable	Rs.					
16	Total Transportation Charges (12+13+14+15)	Rs.	-	-	-	-	
17a	Others		-	-			
17	Total amount Charged for NG/RLNG/Liquid Fuel supplied including Transportation (11+16)	Rs.	-	-	54,41,96,221	-	
E)	**TOTAL COST**						
18	Landed cost of NG/RLNG/Liquid Fuel (2+17)/(1+7)	Rs/1000 SCM / Rs. Per KL	9,168.84	54,727.36	55,211.57	1,05,210.29	
19	Blending Ratio	%	NA	NA	NA	NA	
20	Weighted average cost of NG/RLNG/Liquid Fuel	Rs/1000 SCM / Rs. Per KL	**9,168.84**	**54,727.36**	**55,211.57**	**1,05,210.29**	
F)	**QUALITY**						
21	GCV of NG/RLNG/Liquid Fuel of the opening stock as per bill of Fuel Suppliers	(Kcal/SCM)/ Kcal/KL				9,057	
22	GCV of NG/RLNG/Liquid Fuel supplied as per bill of Fuel Suppliers	(Kcal/SCM)/ Kcal/KL	9,196.83	9,379.64	9,378.59		
23	GCV of Imported NG/RLNG/Liquid Fuel of the opening stock as per bill of Fuel Suppliers	(Kcal/SCM)/ Kcal/KL					
24	GCV of Imported NG/RLNG/Liquid Fuel supplied as per bill of Fuel Suppliers	(Kcal/SCM)/ Kcal/KL					
25	Weighted average GCV of NG/RLNG/Liquid Fuel as Billed	(Kcal/SCM)/ Kcal/KL	9,196.83	9,379.64	9,378.59	9,057.00	
26	GCV of NG/RLNG/Liquid Fuel of the opening stock as received at Station	(Kcal/SCM)/ Kcal/KL				9,057.00	
27	GCV of NG/RLNG/Liquid Fuel supplied as received at Station	(Kcal/SCM)/ Kcal/KL	9,196.83	9,379.64	9,378.59		
28	GCV of Imported NG/RLNG/Liquid Fuel of the opening stock as received at Station	(Kcal/SCM)/ Kcal/KL					
29	GCV of Imported NG/RLNG/Liquid Fuel supplied as received at Station	(Kcal/SCM)/ Kcal/KL					
30	Weighted average GCV of NG/RLNG/Liquid Fuel as Received	(Kcal/SCM)/ Kcal/KL	**9,196.83**	**9,379.64**	**9,378.59**	**9,05**	

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Details of Source wise Fuel for Com | **Details of Source wise Fuel for Computation of Energy Charges**

Name of the Company :		**NTPC Limited**	**NTPC Limited**			
Name of the Power Station :		**Dadri Gas powe**	**Dadri Gas power Station**			
S. No.	**Particulars**	**Unit (Gas/Liquid)**	**Jan-24**			
			NG	**RLNG**	**C-RLNG**	**Liquid fuel**
A)	**OPENING QUANTITY**					
1	Opening Quantity of NG/RLNG/Liquid Fuel	SCM / KL				8,894.59
2	Value of Stock	Rs.				93,58,01,904.66
B)	**QUANTITY**					
3	Quantity of NG/RLNG/Liquid Fuel supplied by Fuel Suppliers	SCM / KL		56,06,251.930	66,11,205.130	
4	Adjustment (+/-) in quantity supplied made by NG/RLNG/Liquid Fuel	SCM / KL				
5	NG/RLNG/Liquid Fuel supplied by Fuel Suppliers (3+4)	SCM / KL	-	56,06,251.930	66,11,205.130	-
6	Normative Transit & Handling Losses (For Gas Projects)	SCM / KL				
7	Net NG/RLNG/Liquid Fuel Supplied (5-6)	SCM / KL	-	56,06,251.930	66,11,205.130	-
C)	**PRICE**					
8	Amount charged for the NG/RLNG/Liquid Fuel By the Suppliers	Rs.		29,63,84,461	33,03,89,977	
9	Adjustment (+/-) in amount charged made by Fuel Suppliers for NG/RLNG/Liquid Fuel	Rs.				
10	Handling, Sampling and such other similar charges	Rs.				
11	Total amount Charged (8+9+10)	Rs.	-	29,63,84,461	33,03,89,977	-
D)	**TRANSPORTATION**					
12	Transportation charges by rail, ship, road transport	Rs.	-	-		
13	Adjustment (+/-) in amount charged made by Railways/Transport Company	Rs.				
14	Demurrage Charges, if any	Rs.				
15	Cost of diesel in transporting coal through MGR system, if applicable	Rs.				
16	Total Transportation Charges (12+13+14+15)	Rs.	-	-	-	-
17a	Others		-	-		
17	Total amount Charged for NG/RLNG/Liquid Fuel supplied including Transportation (11+16)	Rs.	-	29,63,84,461	33,03,89,977	-
E)	**TOTAL COST**					
18	Landed cost of NG/RLNG/Liquid Fuel (2+17)/(1+7)	Rs/1000 SCM / Rs. Per KL	9,168.84	52,866.78	49,974.24	1,05,210.24
19	Blending Ratio	%	NA	NA	NA	NA
20	Weighted average cost of NG/RLNG/Liquid Fuel	Rs/1000 SCM / Rs. Per KL	**9,168.84**	**52,866.78**	**49,974.24**	**1,05,210.24**
F)	**QUALITY**					
21	GCV of NG/RLNG/Liquid Fuel of the opening stock as per bill of Fuel Suppliers	(Kcal/SCM)/ Kcal/KL				9,058
22	GCV of NG/RLNG/Liquid Fuel supplied as per bill of Fuel Suppliers	(Kcal/SCM)/ Kcal/KL	9,196.83	9,192.97	9,230.00	
23	GCV of Imported NG/RLNG/Liquid Fuel of the opening stock as per bill of Fuel Suppliers	(Kcal/SCM)/ Kcal/KL				
24	GCV of Imported NG/RLNG/Liquid Fuel supplied as per bill of Fuel Suppliers	(Kcal/SCM)/ Kcal/KL				
25	Weighted average GCV of NG/RLNG/Liquid Fuel as Billed	(Kcal/SCM)/ Kcal/KL	9,196.83	9,192.97	9,230.00	9,058.00
26	GCV of NG/RLNG/Liquid Fuel of the opening stock as received at Station	(Kcal/SCM)/ Kcal/KL				9,058.00
27	GCV of NG/RLNG/Liquid Fuel supplied as received at Station	(Kcal/SCM)/ Kcal/KL	9,196.83	9,192.97	9,230.00	
28	GCV of Imported NG/RLNG/Liquid Fuel of the opening stock as received at Station	(Kcal/SCM)/ Kcal/KL				
29	GCV of Imported NG/RLNG/Liquid Fuel supplied as received at Station	(Kcal/SCM)/ Kcal/KL				
30	Weighted average GCV of NG/RLNG/Liquid Fuel as Received	(Kcal/SCM)/ Kcal/KL	**9,196.83**	**9,192.97**	**9,230.00**	**9,05**

PART-I
FORM- 15

Details of Source wise Fuel for Com | **Details of Source wise Fuel for Computation of Energy Charges**

Name of the Company :		**NTPC Limited**	**NTPC Limited**			
Name of the Power Station :		**Dadri Gas powe**	**Dadri Gas power Station**			
S. No.	**Particulars**	**Unit (Gas/Liquid)**	**Feb-24**			
			NG	**RLNG**	**C-RLNG**	**Liquid fuel**
A)	**OPENING QUANTITY**					
1	Opening Quantity of NG/RLNG/Liquid Fuel	SCM / KL				8,894.59
2	Value of Stock	Rs.				93,58,01,904.66
B)	**QUANTITY**					
3	Quantity of NG/RLNG/Liquid Fuel supplied by Fuel Suppliers	SCM / KL		10,66,429.390	7,22,944.500	
4	Adjustment (+/-) in quantity supplied made by NG/RLNG/Liquid Fuel	SCM / KL				
5	NG/RLNG/Liquid Fuel supplied by Fuel Suppliers (3+4)	SCM / KL	-	10,66,429.390	7,22,944.500	-
6	Normative Transit & Handling Losses (For Gas Projects)	SCM / KL				
7	Net NG/RLNG/Liquid Fuel Supplied (5-6)	SCM / KL	-	10,66,429.390	7,22,944.500	-
C)	**PRICE**					
8	Amount charged for the NG/RLNG/Liquid Fuel By the Suppliers	Rs.		5,37,06,205	2,70,09,319	
9	Adjustment (+/-) in amount charged made by Fuel Suppliers for NG/RLNG/Liquid Fuel	Rs.				
10	Handling, Sampling and such other similar charges	Rs.				
11	Total amount Charged (8+9+10)	Rs.	-	5,37,06,205	2,70,09,319	-
D)	**TRANSPORTATION**					
12	Transportation charges by rail, ship, road transport	Rs.	-	-		
13	Adjustment (+/-) in amount charged made by Railways/Transport Company	Rs.				
14	Demurrage Charges, if any	Rs.				
15	Cost of diesel in transporting coal through MGR system, if applicable	Rs.				
16	Total Transportation Charges (12+13+14+15)	Rs.	-	-	-	-
17a	Others		-	-		
17	Total amount Charged for NG/RLNG/Liquid Fuel supplied including Transportation (11+16)	Rs.	-	5,37,06,205	2,70,09,319	-
E)	**TOTAL COST**					
18	Landed cost of NG/RLNG/Liquid Fuel (2+17)/(1+7)	Rs/1000 SCM / Rs. Per KL	9,168.84	50,360.77	37,360.16	1,05,210.24
19	Blending Ratio	%	NA	NA	NA	NA
20	Weighted average cost of NG/RLNG/Liquid Fuel	Rs/1000 SCM / Rs. Per KL	**9,168.84**	**50,360.77**	**37,360.16**	**1,05,210.24**
F)	**QUALITY**					
21	GCV of NG/RLNG/Liquid Fuel of the opening stock as per bill of Fuel Suppliers	(Kcal/SCM)/ Kcal/KL				9,058
22	GCV of NG/RLNG/Liquid Fuel supplied as per bill of Fuel Suppliers	(Kcal/SCM)/ Kcal/KL	9,196.83	9,074.77	9,064.79	
23	GCV of Imported NG/RLNG/Liquid Fuel of the opening stock as per bill of Fuel Suppliers	(Kcal/SCM)/ Kcal/KL				
24	GCV of Imported NG/RLNG/Liquid Fuel supplied as per bill of Fuel Suppliers	(Kcal/SCM)/ Kcal/KL				
25	Weighted average GCV of NG/RLNG/Liquid Fuel as Billed	(Kcal/SCM)/ Kcal/KL	9,196.83	9,074.77	9,064.79	9,057.66
26	GCV of NG/RLNG/Liquid Fuel of the opening stock as received at Station	(Kcal/SCM)/ Kcal/KL				9,057.66
27	GCV of NG/RLNG/Liquid Fuel supplied as received at Station	(Kcal/SCM)/ Kcal/KL	9,196.83	9,074.77	9,064.79	
28	GCV of Imported NG/RLNG/Liquid Fuel of the opening stock as received at Station	(Kcal/SCM)/ Kcal/KL				
29	GCV of Imported NG/RLNG/Liquid Fuel supplied as received at Station	(Kcal/SCM)/ Kcal/KL				
30	Weighted average GCV of NG/RLNG/Liquid Fuel as Received	(Kcal/SCM)/ Kcal/KL	**9,196.83**	**9,074.77**	**9,064.79**	**9,05**

PART-I
FORM- 15

Details of Source wise Fuel for Com | **Details of Source wise Fuel for Computation of Energy Charges**

Name of the Company :		**NTPC Limited**	**NTPC Limited**			
Name of the Power Station :		**Dadri Gas powe**	**Dadri Gas power Station**			
S. No.	**Particulars**	**Unit (Gas/Liquid)**	**Mar-24**			
			NG	**RLNG**	**C-RLNG**	**Liquid fuel**
A)	**OPENING QUANTITY**					
1	Opening Quantity of NG/RLNG/Liquid Fuel	SCM / KL				8,894.59
2	Value of Stock	Rs.				93,58,01,904.66
B)	**QUANTITY**					
3	Quantity of NG/RLNG/Liquid Fuel supplied by Fuel Suppliers	SCM / KL		10,608.690		
4	Adjustment (+/-) in quantity supplied made by NG/RLNG/Liquid Fuel	SCM / KL				
5	NG/RLNG/Liquid Fuel supplied by Fuel Suppliers (3+4)	SCM / KL	-	10,608.690	-	-
6	Normative Transit & Handling Losses (For Gas Projects)	SCM / KL				
7	Net NG/RLNG/Liquid Fuel Supplied (5-6)	SCM / KL	-	10,608.690	-	-
C)	**PRICE**					
8	Amount charged for the NG/RLNG/Liquid Fuel By the Suppliers	Rs.		5,38,739		
9	Adjustment (+/-) in amount charged made by Fuel Suppliers for NG/RLNG/Liquid Fuel	Rs.				
10	Handling, Sampling and such other similar charges	Rs.				
11	Total amount Charged (8+9+10)	Rs.	-	5,38,739	-	-
D)	**TRANSPORTATION**					
12	Transportation charges by rail, ship, road transport	Rs.	-	-		
13	Adjustment (+/-) in amount charged made by Railways/Transport Company	Rs.				
14	Demurrage Charges, if any	Rs.				
15	Cost of diesel in transporting coal through MGR system, if applicable	Rs.				
16	Total Transportation Charges (12+13+14+15)	Rs.	-	-	-	-
17a	Others		-	-		
17	Total amount Charged for NG/RLNG/Liquid Fuel supplied including Transportation (11+16)	Rs.	-	5,38,739	-	-
E)	**TOTAL COST**					
18	Landed cost of NG/RLNG/Liquid Fuel (2+17)/(1+7)	Rs/1000 SCM / Rs. Per KL	9,168.84	50,782.78	37,360.16	1,05,210.24
19	Blending Ratio	%	NA	NA	NA	NA
20	Weighted average cost of NG/RLNG/Liquid Fuel	Rs/1000 SCM / Rs. Per KL	**9,168.84**	**50,782.78**	**37,360.16**	**1,05,210.24**
F)	**QUALITY**					
21	GCV of NG/RLNG/Liquid Fuel of the opening stock as per bill of Fuel Suppliers	(Kcal/SCM)/ Kcal/KL				9,058
22	GCV of NG/RLNG/Liquid Fuel supplied as per bill of Fuel Suppliers	(Kcal/SCM)/ Kcal/KL	9,196.83	9,118.95	9,064.79	
23	GCV of Imported NG/RLNG/Liquid Fuel of the opening stock as per bill of Fuel Suppliers	(Kcal/SCM)/ Kcal/KL				
24	GCV of Imported NG/RLNG/Liquid Fuel supplied as per bill of Fuel Suppliers	(Kcal/SCM)/ Kcal/KL				
25	Weighted average GCV of NG/RLNG/Liquid Fuel as Billed	(Kcal/SCM)/ Kcal/KL	9,196.83	9,118.95	9,064.79	9,057.66
26	GCV of NG/RLNG/Liquid Fuel of the opening stock as received at Station	(Kcal/SCM)/ Kcal/KL				9,057.66
27	GCV of NG/RLNG/Liquid Fuel supplied as received at Station	(Kcal/SCM)/ Kcal/KL	9,196.83	9,118.95	9,064.79	
28	GCV of Imported NG/RLNG/Liquid Fuel of the opening stock as received at Station	(Kcal/SCM)/ Kcal/KL				
29	GCV of Imported NG/RLNG/Liquid Fuel supplied as received at Station	(Kcal/SCM)/ Kcal/KL				
30	Weighted average GCV of NG/RLNG/Liquid Fuel as Received	(Kcal/SCM)/ Kcal/KL	**9,196.83**	**9,118.95**	**9,064.79**	**9,05**

Part-1

Form-15F

Additonal Form

Computation of Energy Charges

Name of the Company :			**NTPC Limited**				
Name of the Power Station :			**Dadri Gas Power Station**				
Sl	**Description**	**Unit**		**Domestic Gas**	**RLNG**	**C-RLNG**	**Liquid Fuel**
		Gas/RLNG	**Naptha**	**2023-24**			
1	Normative Heat Rate (For CC Operation)	(Kcal/kwh)	(Kcal/kwh)	2000			
2	Normative Heat Rate (For OC Operation)	(Kcal/kwh)	(Kcal/kwh)	3010			
3	Capacity	MW	MW	829.78			
4	Normative Availability Factor	%	%	85.00%			
5	APC for CC operation	%	%	2.75%			
6	APC for OC operation	%	%	1.00%			
7	Weighted Average Rate of Fuel	Rs/1000SCM	Rs/Kg	9,168.84	51,873.65	49,879.67	1,05,210.26
8	Weighted Average GCV of Fuel	Kcal/SCM	Kcal/Kg	9,196.83	9,293.65	9,277.50	9,058.94
9	Rate of Energy- Ex Bus-CC	(Paise/kwh)	(Paise/kwh)	**205.000**	**1147.900**	**1105.700**	**2388.500**
10	Rate of Energy- Ex Bus-OC	(Paise/kwh)	(Paise/kwh)	**303.115**	**1697.038**	**1634.646**	**3531.115**
11	Mode of Operation on Fuel during the FY (% of Schedule Generation)	%	%	0.00%	64.29%	35.67%	0.04%
12	Weighted Average Energy Charge Rate as per above in the FY- Ex Bus CC	(Paise/kwh)	(Paise/kwh)	**1133.370**			
13	Weighted Average Energy Charge Rate as per above in the FY- Ex Bus OC	(Paise/kwh)	(Paise/kwh)	**1675.56330**			
14	Mode of Operation in OC) in FY (% of Schedule Generation)	%	%	**22.53%**			
15	Wtd. Average ECR (Taking OC% in consideration)	(Paise/kwh)	(Paise/kwh)	**1255.500**			

WC Calculation at CC Operation

13	**Year**	**2024-25**	**2025-26**	**2026-27**	**2027-28**	**2028-29**
14	No. Of days	365	365	365	366	365
15	ESO in a year (in MUs)	6032.99	6032.99	6032.99	6049.52	6032.99
16	Fuel cost for 15 days	31,127.74	31,127.74	31,127.74	31,127.74	31,127.74
17	Cost of Liquid stock for 15 days	26.81	26.81	26.81	26.81	26.81

PETITIONER

PART-I
FORM- L

Statement of Capital cost

Name of the Petitioner	**NTPC Limited**
Name of the Generating Station	**Dadri Gas Power Station**
COD	**01-04-1997**
For Financial Year	**2024-29**

(Rs Lakh)

Sl. No.	Particulars	2024-25			2025-26			2026-27			2027-28			2028-29		
		Accrual Basis	Un-discharged Liabilities	Cash Basis	Accrual Basis	Un-discharged Liabilities	Cash Basis	Accrual Basis	Un-discharged Liabilities	Cash Basis	Accrual Basis	Un-discharged Liabilities	Cash Basis	Accrual Basis	Un-discharged Liabilities	Cash Basis
A	a) Opening Gross Block Amount as per books	1,48,282.76	626.78	1,47,655.98	SHALL BE PROVIDED AT THE TIME OF TRUE-UP.											
	b) Amount of IDC in A(a) above	669.26		669.26												
	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 Gross Block Amount during the period (Direct purchases)	SHALL BE PROVIDED AT THE TIME OF TRUE-UP.														
	b) Amount of IDC in B(a) above															
	c) Amount of FC in B(a) above															
	d) Amount of FERV in B(a) above															
	e) Amount of Hedging Cost in B(a) above															
	f) Amount of IEDC in B(a) above															
C	a) Addition in Gross Block Amount during the period (Transferred from CWIP)															
	b) Amount of IDC in C(a) above															
	c) Amount of FC in C(a) above															
	d) Amount of FERV in C(a) above															
	e) Amount of Hedging Cost in C(a) above															
	f) Amount of IEDC in C(a) above															
D	a) Deletion in Gross Block Amount during the period															
	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

Signature Not Verified

Digitally signed by PARIMAL PIYUSH
Date: 2024.11.27 11:49:54 IST
Reason: AGM(Commercial)
Location: NTPC Limited

PART-I

FORM- M

Statement of Capital Works in Progress

Name of the Petitioner	**NTPC Limited**
Name of the Generating Station	**Dadri Gas Power Station**
COD	**01-04-1997**
For Financial Year	**2024-29**

(Rs Lakh)

Sl. No.	Particulars	2024-25			2025-26			2026-27			2027-28			2028-29		
		Accrual Basis	Un-discharged Liabilities	Cash Basis	Accrual Basis	Un-discharged Liabilities	Cash Basis	Accrual Basis	Un-discharged Liabilities	Cash Basis	Accrual Basis	Un-discharged Liabilities	Cash Basis	Accrual Basis	Un-discharged Liabilities	Cash Basis
A	a) Opening CWIP as per books	851.58	101.36	750.23	SHALL BE PROVIDED AT THE TIME OF TRUE-UP.											
	b) Amount of IDC in A(a) above															
	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	SHALL BE PROVIDED AT THE TIME OF TRUE-UP.														
	b) Amount of IDC in B(a) above															
	c) Amount of FC in B(a) above															
	d) Amount of FERV in B(a) above															
	e) Amount of Hedging Cost in B(a) above															
	f) Amount of IEDC in B(a) above															
C	a) Transferred to Gross Block Amount during the period															
	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															

Petitioner

Signature Not Verified

Digitally signed by PARIMAL PIYUSH
Date: 2024.11.27 11:49:54 IST
Reason: AGM(Commercial)
Location: NTPC Limited

PART-I
FORM- N

Calculation of Interest on Normative Loan

Name of the Company :		**NTPC Limited**
Name of the Power Station :		**Dadri Gas Power Station**

(Amount in Rs Lakh)

S. No.	Particulars		Existing 2023-24	2024-25	2025-26	2026-27	2027-28	2028-29
1	**2**		**3**	**4**	**5**	**6**	**7**	**8**
1	Gross Normative loan – Opening	A	51,528.45	51,491.96	51,524.14	51,715.12	51,715.12	51,715.12
2	Cumulative repayment of Normative loan up to previous year	B	51,444.09	51,491.96	51,524.14	51,564.14	51,645.07	51,715.12
3	**Net Normative loan – Opening**	**C=A-B**	84.37	-	-	150.97	70.05	-
4	Add: Increase due to addition during the year / period	D	13.87	32.18	190.97	-	-	-
5	Less: Decrease due to de-capitalisation during the year / period	E	50.37	-	-	-	-	-
6	Less: Decrease due to reversal during the year / period	F						
7	Add: Increase due to discharges during the year / period	G	0.00	0.00	0.00	0.00	0.00	0.00
8	Normative Loan Closing	H=C+D-E-F+G	47.87	32.18	190.97	150.97	70.05	0.00
8	Repayment of Loan during the year	I	47.87	32.18	40.00	80.93	70.05	-
9	Repayment adjustment on account of decapitalization	J	-64.76	-	-	-	-	-
10	Net Repayment of loan during the year	K=I-J	47.87	32.18	40.00	80.93	70.05	-
10	**Net Normative loan - Closing**	**L=H-K**	-	-	150.97	70.05	-	-
11	**Average Normative loan**	**M=Average(C,L)**	42.18	-	75.49	110.51	35.02	-
12	Weighted average rate of interest	N	7.96%	7.97%	7.95%	7.93%	7.91%	7.84%
13	**Interest on Loan**	**O=MxN**	**3.36**	**0.00**	**6.00**	**8.77**	**2.77**	**0.00**
15	Cumulative repayment of Normative loan at the end of the period	P=B+K	51,491.96	51,524.14	51,564.14	51,645.07	51,715.12	51,715.12

(Petitioner)

PART 1
FORM- O

Calculation of Interest on Working Capital

Name of the Company :	**NTPC Limited**
Name of the Power Station :	**Dadri Gas Power Station**

(Amount in Rs Lakh)

S. No.	Particulars	Existing 2023-24	2024-25	2025-26	2026-27	2027-28	2028-29
1	**2**	**3**	**4**	**5**	**6**	**7**	**8**
1	Cost of Coal/Lignite						
2	Cost of Main Secondary Fuel Oil						
3	Fuel Cost	98,964.54	31127.74	31127.74	31127.74	31127.74	31127.74
4	Liquid Fuel Stock	16,264.18	26.81	26.81	26.81	26.81	26.81
5	O & M Expenses	1,565.06	1378.72	1451.49	1527.36	1607.73	1692.61
6	Maintenance Spares	5,634.22	4963.40	5225.36	5498.48	5787.81	6093.41
7	Receivables	1,55,580.01	98,103.70	98,219.10	98,344.64	98,455.96	98,602.99
8	Total Working Capital	278008.01	1,35,600.36	1,36,050.49	1,36,525.02	1,37,006.04	1,37,543.57
9	Rate of Interest	12.00%	11.90%	11.90%	11.90%	11.90%	11.90%
10	**Interest on Working Capital**	**33,360.96**	**16,136.44**	**16,190.01**	**16,246.48**	**16,303.72**	**16,367.68**

Petitioner

PART 1
FORM-T

Summary of issue involved in the petition

Name of the Company :		**NTPC Limited**
Name of the Power Station :		**Dadri Gas Power Station**
1	**Petitioner:**	**NTPC Limited**
2	**Subject: Determination of Tariff for 2024-29 period**	
3	**Prayer:** i)Approve tariff of Dadri Gas Power Station (829.78MW) 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 the recovery of pay/wage revision as additional O&M over and above the normative O&M. iv)Pass any other order as it may deem fit in the circumstances mentioned above.	
4	**Name of Respondents**	
	1. Uttar Pradesh Power Corp. Ltd (UPPCL)	
	2. Uttarakhand Power Corporation Ltd (UPCL)	
	3. Tata Power Delhi Distribution Ltd (TPDDL)	
	4. BSES Rajdhani Power Ltd (BRPL)	
	5. BSES Yamuna Power Ltd (BYPL)	
	6. Power Development Department (PDD), J&K	
	7. Electricity Department (Chandigarh)	

5	**Project Scope**	**Dadri Gas Power Station**				
	Capital Cost as on 01.04.2024	**98689.76**				
	Station CoD	**01-04-1997**				
	Claim	**2019-20**	**2020-21**	**2021-22**	**2022-23**	**2023-24**
	AFC (in Rs Lakh)	38,288.32	39,224.36	40,242.62	41,258.29	42,338.16
	Capital cost (in Rs Lakh)	98,712.74	98,872.14	99,008.55	99,008.55	99,008.55
	Initial spare (in Rs Lakh)	N/A				
	NAPAF (Gen) (in %)	**85**				
	Any Specific					

SUMMARY

34. In the interest of reliable and safe grid operation, the Commission directs that all the ISGS stations whose tariff is determined or adopted by CERC shall be AGC-enabled and the ancillary services including secondary control through AGC be implemented as per the following direction:

i. *All thermal ISGS stations with installed capacity of 200 MW and above and all hydro stations having capacity exceeding 25 MW excluding the Run-of-River Hydro Projects irrespective of size of the generating station and whose tariff is determined or adopted by CERC are directed to install equipment at the unit control rooms for transferring the required data for AGC as per the requirement to be notified by NLDC. NLDC shall notify the said requirements within one month of this order.*
ii. *All such ISGS stations whose tariff is determined or adopted by CERC shall have communication from the nearest wide band node to the RTU in the unit control room.*
iii. *The Central Transmission Utility (CTU) is directed to have communication availability from NLDC/ RLDCs to the nearest wide band node/ switchyard for the generating stations in a redundant and alternate path ensuring route diversity and dual communication.*
iv. *The NLDC is also directed to commission the required communication infrastructure.*
v. *The expenditure as a result of compliance of the above directions may be claimed as per relevant regulations or provisions of the PPA.*
vi. *The NLDC is directed to monitor implementation of the above directions so that all the ISGS stations whose tariff is determined or adopted by CERC are AGC-enabled within six months of this order.*
vii. *The framework regarding compensation for AGC support and deviation charges as stipulated in the Commission's Order in Petition no. 79/RC/2017 dated 06.12.2017 shall apply to the five pilot projects as also to other ISGS as and when they are AGC enabled. This arrangement shall remain in place till the relevant regulations interalia on compensation for AGC services are framed by the Commission.*
viii. *NLDC/RLDCs are allowed to operate the AGC system for enabling the signals to the power plants at the earliest.*

ix. All new thermal ISGS stations with installed capacity of 200 MW and above and hydro stations having capacity exceeding 25 MW excluding the Run-of-River Hydro Projects irrespective of size of the generating station and whose tariff is determined or adopted by CERC shall mandatorily have the capability to provide AGC support.

35. With the above directions, Petition No. 319/RC/2018 stands disposed of.

Sd/-	Sd/-	Sd/-
आई. एस. झा	**डॉ एम. के. अय्यर**	**पी. के. पुजारी**
सदस्य	**सदस्य**	**अध्यक्ष**

Annexure-R2

दूरभाष Tel.- 26967840 / 42 / 45, 26967990, 26868681
ई-मेल e-mail : nrpccomml@yahoo.com
वैबसाइट Website : www.nrpc.gov.in
फैक्स Fax : 26865206

भारत सरकार

उत्तरी क्षेत्रीय विद्युत समिति

18-ए, शहीद जीत सिंह मार्ग, कटवारिया सराय, नई दिल्ली-110016.

Government of India

NORTHERN REGIONAL POWER COMMITTEE

18-A, Shaheed Jeet Singh Marg, Katwaria Sarai, New Delhi-110016.

पत्रांक : उक्षेविस/अधी.अभि.(वाणि)/12-क्षे.वि.स/09/1272-1351/ दिनाँक :06 -05-2009
No. NRPC / SE(C) /12-RPC / 09 / Dated : -05-2009

सेवा में,
To,

उत्तरी क्षेत्रीय विद्युत समिति तथा तकनीकी समन्वय उप-समिति के सदस्य
(संलग्न सूची के अनुसार)
Members of Northern Regional Power Committee and TCC
(As per list attached)

विषय : तकनीकी समन्वय उप-समिति की 11वीं बैठक तथा उत्तरी क्षेत्रीय विद्युत समिति की 12 वीं बैठक का कार्यवृत्त।

Subject : 11th meeting of TCC and 12th meeting of Northern Regional Power Committee - Minutes.

महोदय,
Sir,

तकनीकी समन्वय उप-समिति की 11वीं बैठक तथा उत्तरी क्षेत्रीय विद्युत समिति की 12वीं बैठक क्रमशः 21 अप्रैल , 2009 व 22 अप्रैल , 2009 को चंडीगढ में आयोजित की गयी थीं। इन बैठकों के कार्यवृत्त की एक प्रति आपकी सूचना व आवश्यक कार्यवाही हेतु इस पत्र के साथ संलग्न है।

The 11th meeting of TCC and 12th meeting of Northern Regional Power Committee were held on 21st April, 2009 and 22nd April, 2009 respectively at Chandigarh. A copy of the summary record of discussions of the meetings is enclosed herewith for favour of information and necessary action.

संलग्नक : यथोपरि ।
Encl. : As above.

भवदीय,
Yours faithfully,

अशोक अग्रवाल 06/05/2009

(अशोक कुमार अग्रवाल)
(A. K. Aggarwal)
सदस्य सचिव
Member Secretary

NORTHERN REGIONAL POWER COMMITTEE

SUMMARY RECORD OF DISCUSSIONS

OF

11th MEETING OF TECHNICAL COORDINATION SUB-COMMITTEE

&

12th MEETING OF NORTHERN REGIONAL POWER COMMITTEE

The 11th meeting of Technical Coordination Sub-committee (TCC) and 12th meeting of Northern Regional Power Committee (NRPC) were held on 21st & 22nd April, 2009 respectively at Chandigarh. The lists of participants at the TCC and NRPC meetings are enclosed at Annexure-I & II respectively.

PROCEEDINGS OF 11th MEETING OF TCC

Shri Sanjay Kumar, Secretary (Power), UT of Chandigarh welcomed all the members of Technical Co-ordination Committee and other delegates. He congratulated NRPC in establishing such platform where the regional level technical problems relating to power are being discussed and resolved. He stated that a healthy power sector is a prime mover of development of economy of any country. Many countries in the past had been able to restructure their economies through reforming their power sector. He gave example of China in this regard. Unfortunately the power sector in India had been still beset with the problems like poor quality, high T&D losses. However, Chandigarh had been fulfilling the vision of Ministry of Power to provide reliable, affordable and quality power for all by 2012. By taking various measures, Chandigarh Administration had been able to reduce T&D losses to around 16.5%.

He further mentioned that Chandigarh had no source of own power generation and totally dependent on allocation from Central generating stations. Chandigarh had peaking shortages of 50 MW and being the Capital of two States they could not afford to impose power cuts. He stated that this small gap could be easily bridged with increase in allocation out of unallocated quota from Central generating stations.

He thanked Member Secretary, NRPC for giving them the opportunity to host the meeting.

Shri A.K. Aggarwal, Member Secretary, NRPC, welcomed TCC Members & other participants. He also welcomed Shri R.K.Seli, Development Commissioner, PDD, J&K on taking over the charge of Chairman, TCC w.e.f.1st April, 2009. He expressed hope that his presence would help TCC resolve the issues amicably. He

thanked Shri Sanjay Kumar, Secretary (Power), UT of Chandigarh, Sh. Surinder Pal, Chief Engineer, and their team of officers for hosting the meeting and making an excellent arrangements for the same as well as for comfortable stay of the participants at Chandigarh. He briefly mentioned the issues to be deliberated in the TCC meeting. Thereafter, he requested Shri R.K.Seli, Chairman, TCC to address the Sub-Committee.

Shri R.K.Seli, Chairman, TCC welcomed the TCC Members & other delegates. In the opening remarks, he appreciated the efforts by the POWERGRID and State TRANSCOs which had carried out insulator cleaning before/during the winter season due to which there were not much tripping of lines due to fog unlike last winter season. He requested all the constituents to take suitable measures to meet the demand in this summer months. He briefly mentioned about the CERC's new regulations on Unscheduled Interchange charges and also the amendments to Indian Electricity Grid Code (IEGC) applicable w.e.f. 1.4.2009 and requested all the members to follow the regulations of CERC strictly. He stressed the need for installation of shunt capacitors by the State utilities, which had been resulting into low voltage problems at certain locations in all the States. Regarding the generation planned during the year 2009-10, he requested generating companies to take all necessary steps to see that there is no slippage in meeting the target.

He thanked Shri Sanjay Kumar, Secretary (Power), UT of Chandigarh, Sh. Surinder Pal, Chief Engineer, and their team of officers for hosting the meeting at Chandigarh and making excellent arrangements for comfortable stay of the participants.

He then requested Member Secretary, NRPC to take up the agenda for discussions.

A. CONFIRMATION OF MINUTES (TCC)

A.1 MINUTES OF 10th MEETING OF TCC OF NRPC

Member Secretary, NRPC stated that as no request for amendment to the minutes had been received, the minutes of 10th TCC could be confirmed.

The members confirmed the minutes of 10th meeting of TCC.

PROCEEDINGS OF 12th MEETING OF NRPC

Shri Sanjay Kumar, Secretary (Power), UT of Chandigarh welcomed Chairman, NRPC, Shri R.K.Seli, Chairman, TCC, Member (GO&D), CEA, Member

Secretary, NRPC, and distinguished members of NRPC and other delegates in the meeting. He expressed that as discussed during the TCC meeting, we should continue the discussion to achieve outcome in the NRPC meeting. He stated that we all should endeavor to achieve what had been mandated not only in this meeting but otherwise also.

Shri A.K. Aggarwal, Member Secretary, NRPC welcomed members of Northern Regional Power Committee and other delegates to the meeting. He especially welcomed Shri Sundeep K Nayak, Commissioner and Secretary, PDD, J&K who took over charge of Chairman, Northern Regional Power Committee on 1.4.2009 on relinquishment of charge by Shri R.K.Jain , Chairman, HPSEB as Chairman, NRPC. He further stated during his tenure as Chairman, NRPC, Shri Jain had played an important role in resolving a number of operational, commercial & administrative issues. He had been a source of inspiration and provided continuous guidance. On behalf of NRPC, Member Secretary, NRPC thanked Shri Jain for his valuable contribution during his tenure.

The Committee passed the following resolution in appreciation of the services rendered by Shri R.K.Jain, Chairman, HPSEB during his tenure as Chairman, NRPC:

"Northern Regional Power Committee places on record its deep appreciation of the outstanding service rendered by Shri R.K.Jain , Chairman, HPSEB during his tenure as Chairman, NRPC. Shri Jain provided able guidance in various technical, commercial & administrative matters and made valuable contribution as Chairman of the Committee."

Member Secretary, NRPC also welcomed Shri Sudhansh Pant, CMD, RVPNL, Shri T.Panda, MD, PTCUL and Shri J.M.Lal, MD, UPCL who were attending the meeting for the first time. On behalf of NRPC, he also congratulated Shri H.S. Brar, who had taken over as Chairman, PSEB.

He thanked Shri Sanjay Kumar, Secretary (Power), UT of Chandigarh, Sh. Surinder Pal, Chief Engineer, and their team of officers for hosting the meeting and making an excellent arrangements for the same as well as for comfortable stay of the participants at Chandigarh. He requested Shri Sundeep K Nayak, Chairman, NRPC to address the Committee.

Shri Sundeep K Nayak, Chairman, NRPC welcomed the Members of the Northern Regional Power Committee and other delegates to the meeting.

He stated that during this winter season there had not been much line tripping due to foggy weather as a result of timely action taken by POWERGRID and State TRANSCOs in cleaning of insulators. POWERGRID had particularly done this with the help of Helicopter successfully for the first time in the country. On Behalf of NRPC, he appreciated the efforts by the POWERGRID and State TRANSCOs in minimizing the instances of line tripping due to fog and saving the grid. He also

requested all concerned to continue the work on replacement of porcelain insulators of line with polymers/Anti-fog as per the plan.

Referring to the anticipated power shortages in the coming summer, he requested all the constituents to manage the shortages by arranging bi-lateral assistance from outside region and maximization of generation as well as suitable demand management measures and statutory / notified load restrictions.

He also informed to the Committee about the new regulations on Unscheduled Interchange charges for electricity grid operations and also the amendments to Indian Electricity Grid Code (IEGC) notified by CERC and applicable w.e.f. 1.4.2009. He stated that CERC had narrowed down the operating frequency band from 49.0 -50.5 Hz to 49.2 to 50.3 Hz. In addition to UI Rate corresponding to frequency of 49.2 Hz, an Additional Unscheduled Interchange Charge at the rate of 40% of the UI Rate corresponding to frequency of 49.2 Hz had been introduced for over-drawal or under-injection of electricity below this frequency. He requested all the members to follow the regulations of CERC other wise CERC could consider penal action under sections 142 and 149 of the Electricity Act, 2003 for contravention of the overdrawl and under generation limit specified in the regulations.

He mentioned that certain locations of almost every States had been experiencing low voltage problems due to inadequate shunt compensation provided by the states. He expressed deep concern about poor progress in installation of shunt capacitors by the State utilities. He requested all the State to expedite the installation of capacitors in the State system to control the low voltage problems.

With regard to generation addition programme during this financial year, he requested the generating companies to take all necessary steps to see that there is no slippage in meeting the generation targets planned during the year 2009-10.

Finally, he thanked Shri Sanjay Kumar, Secretary (Power), UT of Chandigarh, and his team of officers for hosting and making an excellent arrangement for the meeting as well as for stay of the participants at this beautiful city of Chandigarh. Thereafter, he requested Member Secretary, NRPC to take up the agenda for discussions.

A. CONFIRMATION OF MINUTES(NRPC)

A.2 MINUTES OF 11th MEETING OF NRPC

Member Secretary, NRPC stated that as no request for amendment to the minutes had been received, the minutes of 11th NRPC meeting could be confirmed.

The members confirmed the minutes of 11th meeting of NRPC.

B. ITEMS FOR TCC ONLY

FOLLOW-UP ACTION

B.1 STATUS OF SPECIAL PROTECTION SCHEME (SPS) TO TAKE CARE OF TRIPPING OF RIHAND-DADRI HVDC BIPOLE

TCC Deliberation

M.S, NRPC, while briefing the progress made in implementing the SPS scheme on Rihand-Dadri HVDC Bipole line stated that the Special Protection Scheme (SPS) had been declared on commercial operation w.e.f. 1st August, 2008 .

NTPC/POWERGRID informed that circuit modifications as well as testing works had been completed at Rihand and Singrauli STPS. Mock testing of complete scheme would be undertaken in next 15 days.

POWERGRID intimated that after January, 2009 there had been no report of any 'Mal Operation' in the SPS.

B.2 REPLACEMENT OF OBSOLETE ELECTRO MAGNETIC TYPE PROTECTION RELAYS IN NORTHERN REGION WITH STATE-OF-ART NUMERICAL RELAYS.

TCC Deliberation

MS, NRPC briefed the members about the decision of Protection sub committee meeting held on 24/03/09 on the issue and requested all the constituents to replace obsolete electro magnetic type protection relays with numerical relays in the region. He stated that the BBMB, POWERGRID and DTL had already taken action in this regard. Some constituents like UPPCL and PSEB were lagging behind, so they were requested to take immediate action to replace the obsolete relays on critical lines in their systems and replacement of remaining relays by March 2010.

PTCUL stated that they had already replaced the obsolete relays with numerical relays in their system.

HPSEB stated that studies were being conducted by them on the functionality of existing relays. They assured that top priority would be given for replacing the relays in their 220 kV system in the first instance. However, all the relays in their system would be of numerical type by March, 2010.

RRVPNL stated that they had undertaken Renovation, Modernization and Up-gradation (RMU) programme on this issue.

HVPNL stated that they had received 49 numbers of numerical relays from M/s ABB Limited and additional 64 numbers such relays from M/s Areva Limited, which would be replaced soon.

MS, NRPC emphasized that due to limited shut down of lines and more time needed for procurement action, the programme of replacement of relays by constituents need to be coordinated by various constituents. The month wise targets for replacement of obsolete electro magnetic type protection relays in northern region should be fixed in coordination with NRLDC/SLDCs.

TCC decided that all the constituents would complete the process of installation of numerical relays by March, 2010.

NRPC Deliberation

NRPC accepted the recommendations of TCC and decided that all the constituents would complete the process of installation of numerical relays in their systems by March, 2010.

B.3 COORDINATION OF RELAY SETTINGS FOR PROTECTION OF TRANSMISSION LINE IN NORTHERN REGION.

TCC Deliberation

MS, NRPC informed the TCC that the Uniform philosophy for protection of lines to avoid indiscriminate tripping under fault conditions as agreed to in various Protection Sub-Committee Meetings had been widely circulated and it needs to be implemented by all the constituents.

NRPC Deliberation

NRPC noted the information.

B.4 BUS-BAR PROTECTION AT 400 kV AND 220 kV SUB STATIONS

TCC Deliberation

MS, NRPC, requested all the constituents to brief the current status of the bus bar protection on their 400 kV and 220 kV sub stations.

PTCUL stated that they had bus bar protection at all their sub stations.

UPPTCL stated that they had 14 numbers 400 kV sub stations and busbar protection had been provided in these substations. However, at six substations, the bus bar protection was out of order and action was being taken to rectify the same.

Annexure-R3

दूरभाष Tel.- 26967842, 26868681
फैक्स Fax : 26865206

वैबसाइट Website : www.nrpc.gov.in

भारत सरकार
उत्तर क्षेत्रीय विद्युत समिति
18-ए, शहीद जीत सिंह मार्ग, कटवारिया सराय, नई दिल्ली – 110016

Government of India
Northern Regional Power Committee
18-A, Shaheed Jeet Singh Marg, Katwaria Sarai, New Delhi-110016

पत्रांक: उक्षेविस/अधी. अभि.(वा.)/22-क्षे.वि.स./11/ 1685-1754 दिनांक : 05 अगस्त, 2011
No. NRPC / SE(C)/22-RPC /11/ Dated : 05th August, 2011

सेवा में,
To,

उत्तरी क्षेत्रीय विद्युत समिति तथा तकनीकी समंवय उप-समिति के सदस्य

(संलग्न सूची के अनुसार)

Members of Northern Regional Power Committee and TCC
(As per list attached)

विषय : तकनीकी समंवय उप - समिति की 20 वीं बैठक तथा उत्तरी क्षेत्रीय विद्युत समिति की 22 वीं बैठक काकार्यवृत ।

Subject : 20th meeting of TCC and 22nd meeting of Northern Regional Power Committee – Minutes.

महोदय,
Sir,

तकनीकी समंवय उप-समिति की 20 वीं बैठक तथा उत्तरी क्षेत्रीय विद्युत समिति की 22 वीं बैठक क्रमश: 28 व 29 जुलाई, 2011 को होटल होलीडे इनन, जेम पार्क, ऊटी (तमिलनाडु) में आयोजित की गयी थी। इन बैठकों के कार्यवृत की एक प्रति आपकी सूचना व आवश्यक कार्यवाही हेतु इस पत्र के साथ संलग्न है।

The 20th meeting of TCC and 22nd meeting of Northern Regional Power Committee were held on 28th & 29th July, 2011 respectively at Hotel Holiday Inn, Gem Park, Ooty (Tamilnadu). A copy of the summary record of discussions of the meetings is enclosed herewith for favour of information and necessary action.

संलग्नक: यथोपरि ।
Encl: As above

भवदीय,
Yours faithfully,

अग्रवाल 05/08/2011

(अशोक कुमार अग्रवाल)
(A. K. Aggarwal)
सदस्य सचिव
Member Secretary

Signature Not Verified
Digitally signed by PARIMAL PIYUSH
Date: 2024.11.27 11:49:54 IST
Reason: AGM(Commercial)
Location: NTPC Limited

NORTHERN REGIONAL POWER COMMITTEE

SUMMARY RECORD OF DISCUSSIONS
OF
20th MEETING OF TECHNICAL COORDINATION SUB-COMMITTEE
&
22nd MEETING OF NORTHERN REGIONAL POWER COMMITTEE

The 20th meeting of Technical Coordination Sub-committee (TCC) and 22nd meeting of Northern Regional Power Committee (NRPC) were held on 28th and 29th June, 2011 respectively at Ooty (Tamilnadu). The list of participants at the TCC and NRPC meetings is enclosed at Annexure- I & II respectively.

PROCEEDINGS OF 20th MEETING OF TCC

AGM, Commercial, NTPC Shri C.K.Mondal welcomed the TCC Members & other participants to the 20th TCC meeting. He gave brief background of NTPC Ltd. and its future plans.

Shri A.K. Aggarwal, Member Secretary, NRPC, welcomed TCC Members & other participants. He informed that as per decision taken in last NRPC meeting, an interactive workshop was organised successfully to clarify the issues related to implementation of POC transmission charges. He also stated that CERC regulation on PoC charges & losses has come into force from 01/07/2011. The Commission vide its order dated 29.06.2011 have approved three slab rates for POC transmission charges. The Commission has also approved POC losses in percentage and its applicable slab.

He emphasized the need for adequate protection Systems its upkeep by carrying out regular protection audit to avoid multiple tripping of transmission lines and other system elements. He also stressed the need to expedite System Protection Scheme as recommended by inquiry committee to minimise the impact of incidents in the grid.

MS, NRPC mentioned that the NR met highest demand of 38000 MW. Peak power shortage was around 6% and average energy shortage was about 4% in July. The average grid frequency was also around 49.9 HZ during this period. He touched upon the instances of heavy overdrawal by some States, huge reactive power drawal causing low voltages and TTC violations.

He expressed concern on extremely slow progress of installation of requisite quantum of shunt capacitors and associated low voltage problem. He requested States utilities, particularly those having paddy crops, to take up revival of defective capacitors and installation of new capacitors on war footing apart from maintaining their distribution system.

He requested for cooperation of all concerned in resolving long pending issues such as Installation of adequate Capacitors & revival of defective Capacitors, AMRs for Interface

meters, Pollution Mapping, Third party Protection Audit, Replacement of obsolete protection relays with Numerical Relays.
With regard to capacity building he informed that 9 training programmes are being organised on reactive power management during the FY 2011-12 to enhance the capacity building of system operators and field staff.
He thanked Shri I.J.Kapoor, Director(commercial), NTPC, Shri Naresh Anand, AGM, NTPC and their team of officers for hosting and making excellent arrangements for the meeting as well as for stay of the participants at Ooty.

Shri Y.Raizada, Director (Tech.), RVPNL and Chairman, TCC welcomed the TCC Members & other delegates. Referring to the grid operation he expressed that the Power Supply Position during the period from April 2011- June 2011 was quite comfortable. The shortages were manageable. The grid frequency was for most of the time within the frequency band as stipulated in IEGC. In addition to the need for installation of Capacitors he emphasized the need for installation of reactors in view of the high voltages being faced in certain pockets.

Finally, he thanked Shri I.J.Kapoor, Director (commercial), NTPC and their team of officers for hosting and making excellent arrangements for the meeting as well as for stay of the participants at Ooty.

He then requested Member Secretary, NRPC to take up the agenda for discussions.

C O N F I R M A T I O N O F M I N U T E S (T C C)

A.1 Minutes of 19th Meeting of TCC of NRPC

MS, NRPC stated that the minutes of 19th meeting of TCC held at Parwanoo, on 1st June, 2011, were circulated vide letter No. NRPC / SE(C) / 21-RPC / 11/1038-1108 dated 27th June, 2011. As no comments had been received on TCC minutes, he proposed for confirmation of minutes.

TCC confirmed the minutes of meeting.

P R O C E E D I N G S O F 2 2 n d M E E T I N G O F N R P C

Shri I.J.Kapoor, Director(commercial), NTPC welcomed the NRPC Members & other participants to the 22nd NRPC meeting. He briefly explained the future plans of NTPC Ltd. As Shri A.K.Aggarwal, Member Secretary, NRPC is superannuating in August 2011, he appreciated the services rendered and hard work in resolving the important technical & commercial issues by Shri A.K.Aggarwal, Member Secretary, NRPC during his tenure as Member Secretary NRPC.

Shri A.K. Aggarwal, Member Secretary, NRPC welcomed members of Northern Regional Power Committee and other delegates to the meeting. He especially welcomed Shri Anurag Agarwal Ex-Chairman NRPC and CMD, Punjab State Transmission Corporation Ltd. During his tenure many visionary decisions taken with consensus in NRPC. He also welcomed Sh I.J.Kapoor, Director (Commercial) NTPC, Shri K. D. Chaudhary CMD, Punjab State Power Corporation Ltd, Sh A.K.Jain MD, Uttrakhand Power Trans. Co Ltd who are attending the meeting for the first time.

He informed that during the TCC meeting 30 agenda items covering technical, commercial and operational issues were discussed. He briefly explained the important issues such as Installation of adequate Capacitors & Revival of defective Capacitors, AMRs for Interface meters, Pollution Mapping, Third Party Protection Audit, Bus Bar Protection and implementation of System Protection Scheme as recommended by inquiry committee.

He further stated that as suggested by Chairman NRPC in last meeting, the matter had been taken up with CEA to establish a forum of all RPCs. This will bring uniformity on various common issues like certifying of additional generation due to re-scheduling of the planned maintenance programme, Non-ISTS lines, protection Co-ordination and Audit apart from sharing of best practices of each RPC.

He thanked Shri I.J.Kapoor, Director(commercial), NTPC, Shri Naresh Anand, AGM, NTPC and their team of officers for hosting and making excellent arrangements for the meeting as well as for stay of the participants at Ooty.

Shri Shailendra Agarwal , Chairman, NRPC welcomed members of Northern Regional Power Committee and other delegates to the meeting. He informed that the power supply during the April to June 2011 quarter was quite comfortable. He expressed concern over heavy overdrawal of power from the grid by many States. Some of the constituents sell power through power exchange and at the same time overdraw power from the grid endangering the grid security. He also stated that the overdrawal of power is not in the interest of safe and secure operation of grid. He expressed that only policy frame work would take care of such issues. He proposed that Heads of the power utilities needs to be informed in this regard.

He further stated that same agenda items had been repeating from last many of the meetings. He stressed the need for action from the utilities so that these issues get resolved.

He expressed happiness that the issue of formation of RPC forum at national level as decided in the last NRPC meeting was being examined in CEA.

Finally, he thanked Shri I.J.Kapoor, Director (commercial), NTPC and their dedicated team of officers for hosting and making excellent arrangements for the meeting.

He then requested Member Secretary, NRPC to take up the agenda for discussions.

C O N F I R M A T I O N O F M I N U T E S (N R P C)

A.2 Minutes of 20th Meeting of NRPC

MS, NRPC stated that the minutes of 20th meeting of NRPC held at Dehradun, on 1st March. , 2011, were circulated vide letter No. NRPC / SE(C) / 21-RPC / 11/1038-1108 dated 27th June, 2011. BBMB had requested for amendment in the minutes as given below:

"BBMB stated that the Board may recommend adoption of average YTC for BBMB to which no Constituent objected. Chairman, TCC also stated that there was no objection to the proposal of BBMB. The proposal of BBMB and its acceptance by the TCC may be intimated to concerned agencies for adoption."

The members confirmed the minutes of 20th meeting of NRPC with the above amendments.

I T E M S F O R T C C A N D N R P C

O P E R A T I O N A L I S S U E S

B.1 Status of Major Decisions of NRPC.

The deliberations in the TCC and NRPC meeting are given at **Annexure- III**.

B.2 Status of Implementation of action plan for partial Grid Disturbance on 2nd January, 2010.

TCC Deliberations.

MS,NRPC stated that Northern Region had experienced a partial gird disturbance on 2nd January 2010 in which power supply in Punjab, North Haryana, Himachal Pradesh, J&K and UT Chandigarh sub system was affected. Central Electricity Authority had constituted a Committee under the Chairmanship of Member (GO&D), CEA, to inquire into the grid incident and ascertain the cause of grid disturbance and suggest remedial measures to avoid recurrence of such incident. The committee had submitted its Report along with recommendations to the Authority in May 2010. He added that the recommendations along with progress of implementation is being regularly monitored in OCC meetings. Further, he mentioned that presently the focus is on implementation of three major recommendations.

Annex-III

Major Decisions in earlier NRPC Meetings

Sr. No	Issues Discussed	Decisions Taken/discussions in the subsequent meetings.	20th TCC Deliberations	22nd NRPC Deliberations
1.	**12th NRPC meeting held on 22nd April, 2009 in Chandigarh**			
1.1	Replacement of obsolete protection relays with State of numerical relays	All the constituents agreed to complete the process of installation of numerical relays in their system by March 2010. Not Much progress has been achieved; NRPC had referred the matter to Protection Sub Committee for early implementation of NRPC decision. The matter was discussed in 14th PSC meeting, wherein it was suggested that since the cost of replacing all relays would involve huge investments, so numerical relays must be provided in new system elements and for old system elements, the relay would be replaced in a phased manner. Utilities had also agreed to submit time line for replacement of obsolete protection relays to NRPC Secretariat. In UP, all new S/s are being provided with numerical relays. In addition, 446 numerical relays have been procured & out of these, 311 relays have been replaced.	To size the problem, NRPC Secretariat would prepare a format for capturing the information. Constituents would submit the information before next Protection Sub-Committee meeting.	Members noted the deliberation of TCC.
2	**13th NRPC meeting held on 24th June, 2009 at Lucknow**			
2.1	Automatic Meter Reading(AMR) for SEMs	The proposal for implementation of AMR through POWERGRID was approved by NRPC. In **21st NRPC meeting,** POWERGRID had informed that the investment has been approved on 30.05.2011 and the work would be awarded in 3 months and would be implemented in 1 year thereafter. While implementing, priority shall be accorded to locations from where data is getting delayed at present POWERGRID was requested to take timely actions to meet the time line.	NIT issued. Bids are to be opened in August 2011.	Members noted the deliberation of TCC.
3	**In 14th meeting held on 9th September 2009 at Surajkund**			
3.1	Procurement	Procurement of 315 MVA, 400/220 kV	Delivery for 315 MVA, [illegible]	noted

Annexure-R4

रजिस्ट्री सं. डी.एल.- 33004/99 REGD. No. D. L.-33004/99

भारत का राजपत्र
The Gazette of India

सी.जी.-डी.एल.-अ.-02012023-241581
CG-DL-E-02012023-241581

असाधारण
EXTRAORDINARY

भाग III—खण्ड 4
PART III—Section 4

प्राधिकार से प्रकाशित
PUBLISHED BY AUTHORITY

सं. 699] नई दिल्ली, मंगलवार, दिसम्बर 27, 2022/पौष 6, 1944
No. 699] NEW DELHI, TUESDAY, DECEMBER 27, 2022/PAUSHA 6, 1944

केंद्रीय विद्युत प्राधिकरण

अधिसूचना

नई दिल्ली, 23 दिसम्बर, 2022

केविप्रा-टीएच-17/1/2021-टीईटीडी प्रभाग.—विद्युत अधिनियम, 2003 (2003 का 36) की धारा 177 के उप धारा (3) के साथ पठित विद्युत (पिछले प्रकाशन की प्रक्रिया) नियम, 2005 के नियम (3) के उप नियम (2) द्वारा यथाअपेक्षित केंद्रीय विद्युत प्राधिकरण (विद्युत संयंत्रों और विद्युत लाइनों के निर्माण के लिए तकनीकी मानक) विनियम, 2022 का प्रारूप छः दैनिक समाचार पत्रों में प्रकाशित किया गया था, उन सभी व्यक्तियों से, जिनके उनसे प्रभावित होने की संभावना थी, उस तारीख से जिसको उक्त प्रारूप विनियमों से युक्त समाचार पत्र की प्रतियां जनता को उपलब्ध करा दी गई थीं, सैंतालीस दिन की अवधि के समाप्ति से पूर्व आक्षेप और सुझाव आमंत्रित किये गये थे;

और उक्त समाचार पत्रों की प्रतियां, जिनमें सार्वजनिक सूचनाएं और उक्त प्रारूप विनियम सम्मिलित हैं, केंद्रीय विद्युत प्राधिकरण की वेबसाइट पर 30 दिसंबर, 2021 को जनता को उपलब्ध करा दिए गए थे;

और उक्त प्रारूप विनियमों पर जनता से प्राप्त आपत्तियों और सुझावों पर केंद्रीय विद्युत प्राधिकरण द्वारा विचार कर लिया गया था;

अतः, विद्युत अधिनियम, 2003 (2003 का 36) की धारा 177 की उप-धारा (1) के साथ पठित उक्त अधिनियम की धारा 73 के खण्ड (ख) द्वारा प्रदत्त शक्तियों का प्रयोग करते हुए, केंद्रीय विद्युत प्राधिकरण निम्नलिखित विनियम बनाता है, अर्थात्: -

अध्याय 1

1. संक्षिप्त नाम, प्रारंभ और लागू होना - (1) इन विनियमों का संक्षिप्त नाम केंद्रीय विद्युत प्राधिकरण (विद्युत संयंत्रों और विद्युत लाइनों के निर्माण के लिए तकनीकी मानक) विनियम, 2022 है।

operation of the unit(s) and unit load in case of outage of Unit Auxiliary Transformer:

Provided that in case of generator circuit breaker scheme, station transformer may not be required;

(ii) filled with oil and cooling shall be of oil natural air forced or oil natural air natural type:

Provided that alternate cooling arrangement *viz.* oil natural air forced, or oil natural air natural are also acceptable depending upon unit size;

(iii) provided with two or more cooling radiator banks with suitable number of standby fans and oil pumps:

Provided that the total capacity of coolers for each transformer shall be minimum 120% of actual requirements.

(e) the insulation levels for the transformer windings and bushings shall be as per Table 10 under Regulation 45;

(f) dynamic short circuit withstand test shall be conducted on one unit of each type and rating of transformers, to validate the design and quality, unless such test has been successfully conducted as per Indian Standard 2026 part 5 within last ten years on transformer of similar design. Criteria for similar design shall be as per Annexure J of Central Electricity Authority's "Standard Specifications and Technical Parameters for Transformers and Reactors (66kV and above)";

(g) mobile centrifuging plant of adequate capacity shall be provided for purifying the transformer oil with provision of on-line testing instruments and annunciating panel.

(4) **High tension switchgear.—**

(a) High tension switchgear- vacuum type of circuit breakers shall be provided for high tension switchgear (11/6.6/3.3 kV) which shall be of draw out type, re-strike free:

Provided that the same shall be applicable for 33kV voltage level also in case used;

(b) the protective relays shall be of numerical type with self monitoring, diagnostic features and communication facility;

(c) the switchgear shall be designed for suitable fault withstanding capability.

(5) **Low tension switchgear.—**

(a) air break type of circuit breakers shall be provided for Low Tension switchgear (415 V) which shall be of draw out type, trip free, stored energy operated and with electrical anti-pumping features;

(b) the protective relays shall be of numerical type with self monitoring, diagnostic features and communication facility;

(c) the switchgear shall be designed for suitable fault withstanding capability.

(6) **Busducts.—**

(a) the busducts shall be of standard size as per relevant Indian Standard and designed to carry maximum continuous current under normal site conditions without exceeding temperature rise limits;

(b) (i) the generator busducts shall be phase segregated or isolated phase type.

Provided that the busduct rated more than 3150 Amp and upto 6000 Amp shall be isolated phase type:

Provided further that the busduct rated more than 6000 Amp shall be continuous isolated phase type;

(ii) a hot air blowing system or air pressurization system shall be provided to prevent moisture deposition in case of isolated phase busducts while space heaters may be provided in case of other busducts.

(c) (i) surge arresters and voltage transformers connected to generator busducts shall be located in separate cubicles for each of the three phases:

Provided that voltage transformers shall be accommodated in draw-out type compartments in phase-isolated manner in a cubicle;

(ii) The surge arresters and voltage transformers cubicles shall comply with relevant Indian Standard or International Electrotechnical Commission Standards;

(d) the High Tension busduct (11/6.6/3.3 kV) shall be segregated phase type and Low Tension busduct