

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 **Auraiya Gas Power Station (663.36 MW) for the period for the period from 01.04.2024 to 31.03.2029.**

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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. **Auraiya Gas Power Station (663.36 MW)** (hereinafter referred to as '**Auraiya GPS**') is one such station located in the State of Uttar Pradesh. The power generated from Auraiya 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 Auraiya GPS for the period from 01.04.2024 to 31.03.2029 as per the Tariff Regulations 2024.

- 6) The tariff of the Auraiya GPS for the tariff period 1.4.2019 to 31.3.2024 was determined by the Hon'ble Commission vide its order dated 31.05.2023 in Petition No.428/GT/2020 in accordance with the CERC (Terms & Conditions of Tariff) Regulations 2019. The petitioner vide affidavit dated 25.11.2024 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 31.05.2023 in Petition No.428/GT/2020 has allowed a capital cost of Rs 1,32,289.49 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. 132455.95 Lakh based on the actual expenditure after truing up exercise for the period 2019-24. Accordingly, the Petitioner has adjusted an amount of Rs. 166.46 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 132455.95 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 Cubic feet Royalty: 6 Lakh/Cusec/Year
Total Water Charges	Rs. 120.21 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) Form-15

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.

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.

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.

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.

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. In light of the above submissions, it may kindly be noted that no prejudice shall be caused to any party if the Petitioner is allowed for providing the details of Landed Price & GCV of fuel to this Hon'ble Commission in terms of Form 15 of the Tariff Regulations, 2019 as the value of Landed Price & GCV of fuel will remain unaffected.

- 13)** 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.

- 14) 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.
- 15) 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.
- 16) 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.
- 17) 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 Auraiya Gas Power Station (663.36 MW) 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

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

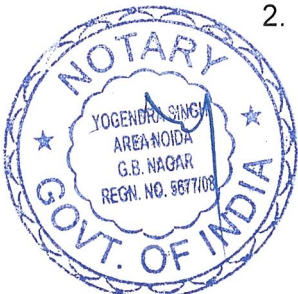
And others

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

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.)



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.....to..... 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.)

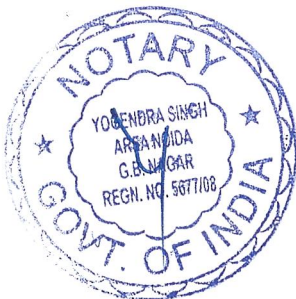
Verification:


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.)



ATTESTED

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

25 NOV 2024

PART-I

APPENDIX-I



TARIFF FILING FORMS (THERMAL)

PETITION FOR DETERMINATION OF TARIFF

FOR

Auraiya Gas Power Station

(From 01.04.2024 to 31.03.2029)

<u>Checklist of Main Tariff Forms and other information for tariff filing for Thermal Stations</u>		
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	✓
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 Secondary Fuel for Computation of Energy Charges	✓
FORM- 15B**	Computation of Energy Charges	✓
FORM- 16	Details of Limestone for Computation of Energy Charge Rate	NA
FORM-17***	Details of Capital Spares	***
FORM- 18***	Non-Tariff Income	***
FORM-19***	Details of Water Charges	***
FORM-20***	Details of Statutory Charges	***
PART-I		
<u>List of Supporting Forms / documents for tariff filing for Thermal Stations</u>		
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		

Summary of Tariff

Name of the Petitioner	NTPC Limited
Name of the Generating Station	Auraiya Gas Power Station
Place (Region/District/State)	Northern Region/ Auraiya/ 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	4,714.53	4,896.39	3,779.71	2,478.62	3,347.12	5,012.12
1.2	Interest on Loan	Rs Lakh	0.00	-	49.29	73.04	19.29	-
1.3	Return on Equity	Rs Lakh	9,776.20	9,793.02	10,024.69	8,054.40	8,163.15	8,267.39
1.4	Interest on Working Capital	Rs Lakh	24,839.50	13,200.03	13,229.61	13,228.14	13,286.30	13,365.73
1.5	O&M Expenses	Rs Lakh	15,420.17	14,134.88	14,821.71	15,588.07	16,341.23	17,186.20
	Total	Rs Lakh	54,750.40	42,024.33	41,905.01	39,422.27	41,157.09	43,831.43
2.1	Landed Fuel Cost (Domestic gas)	Rs/1000SCM	0.00	8760.47	8760.47	8760.47	8760.47	8760.47
	(%) of Fuel Quantity	(%)	0.00	0.00	0.00	0.00	0.00	0.00
2.2	Landed Fuel Cost (RLNG)	Rs/1000SCM	58256.62	50392.87	50392.87	50392.87	50392.87	50392.87
	(%) of Fuel Quantity	(%)	48.90%	74.66	74.66	74.66	74.66	74.66
2.3	Landed Fuel Cost (C-RLNG)	Rs/1000SCM	79443.59	49923.35	49923.35	49923.35	49923.35	49923.35
	(%) of Fuel Quantity	(%)	51.06%	25.32	25.32	25.32	25.32	25.32
2.4	Landed Fuel Cost (Naptha)	Rs/Kl	66238.74	68329.76	68329.76	68329.76	68329.76	68329.76
	(%) of Fuel Quantity	(%)	0.04%	0.02	0.02	0.02	0.02	0.02
2.5	Secondary fuel oil cost (ex-bus)	Rs/Kwh	NA					
2.6	Energy Charge Rate (Domestic Gas) ex-bus-CC	Rs/Kwh	0.00	2.09	2.09	2.09	2.09	2.09
2.7	Energy Charge Rate (RLNG) ex-bus-CC	Rs/Kwh	13.37	11.82	11.82	11.82	11.82	11.82
2.8	Energy Charge Rate (C-RLNG) ex-bus-CC	Rs/Kwh	18.57	11.73	11.73	11.73	11.73	11.73
2.9	Energy Charge Rate(Naptha ex-bus-CC	Rs/Kwh	25.05	18.61	18.61	18.61	18.61	18.61
2.10	Weighted Average Energy Charge Rate ex-bus-CC	Rs/Kwh	16.40	11.79	11.79	11.79	11.79	11.79
2.11	Energy Charge Rate (Domestic Gas) ex-bus-OC	Rs/Kwh	0.00	2.97	2.97	2.97	2.97	2.97

Summary of Tariff

Name of the Petitioner	NTPC Limited
Name of the Generating Station	Auraiya Gas Power Station
Place (Region/District/State)	Northern Region/ Auraiya/ Uttar Pradesh

Amount in Rs. Lakh

S. No.	Particulars	Unit	Existing 2023-24	2024-25	2025-26	2026-27	2027-28	2028-29
2.12	Energy Charge Rate (RLNG) ex-bus-OC	Rs/Kwh	19.04	16.83	16.83	16.83	16.83	16.83
2.13	Energy Charge Rate (C-RLNG) ex-bus-OC	Rs/Kwh	26.45	16.71	16.71	16.71	16.71	16.71
2.14	Energy Charge Rate(Naptha ex-bus-OC	Rs/Kwh	35.68	26.51	26.51	26.51	26.51	26.51
2.15	Weighted Average Energy Charge Rate ex-bus-OC	Rs/Kwh	23.36	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	Auraiya 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	1,32,455.95	1,33,320.95	1,40,947.45	1,42,957.45	1,44,807.45
2	Add: Addition during the year/period	865.00	7,626.50	2,010.00	1,850.00	1,850.00
3	Less: De-capitalisation during the year/period	-	-	-	-	-
4	Less: Reversal during the year / period	-	-	-	-	-
5	Add: Discharges during the year/ period	-	-	-	-	-
6	Closing Capital Cost	1,33,320.95	1,40,947.45	1,42,957.45	1,44,807.45	1,46,657.45
7	Average Capital Cost	1,32,888.45	1,37,134.20	1,41,952.45	1,43,882.45	1,45,732.45

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	1,32,430.76	1,32,430.76	1,39,680.76	1,41,690.76	1,43,540.76
2	Add: Addition during the year / period	-	7,250.00	2,010.00	1,850.00	1,850.00
3	Less: De-capitalisation during the year / period	-	-	-	-	-
4	Less: Reversal during the year / period	-	-	-	-	-
5	Add: Discharges during the year / period	-	-	-	-	-
6	Closing Capital Cost	1,32,430.76	1,39,680.76	1,41,690.76	1,43,540.76	1,45,390.76
7	Average Capital Cost	132430.76	136055.76	140685.76	142615.76	144465.76

PART-I
FORM- 1(I)

Name of the Petitioner	NTPC Limited
Name of the Generating Station	Auraiya Gas Power Station

Amount in Rs. Lakh

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

S. No.	Particulars	2024-25	2025-26	2026-27	2027-28	2028-29
1	2	3	4	5	6	7
1	Opening Capital Cost	25.20	890.20	1,266.70	1,266.70	1,266.70
2	Add: Addition during the year / period	865.00	376.50	-	-	-
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	890.20	1,266.70	1,266.70	1,266.70	1,266.70
7	Average Capital Cost	457.70	1,078.45	1,266.70	1,266.70	1,266.70

(Petitioner)

PART-I FORM- 1(IIA)						
Name of the Petitioner		NTPC Limited				
Name of the Generating Station		Auraiya 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
	Return on Equity at normal rate					
1	Gross Opening Equity (Normal)	52,032.84	52,032.84	54,207.84	54,810.84	55365.843
2	Less: Adjustment in Opening Equity	-	-	11,923.61	11,923.61	11,923.61
3	Adjustment during the year	-	-	-	-	-
4	Net Opening Equity (Normal)	52,032.84	52,032.84	42,284.24	42,887.24	43,442.24
5	Add: Increase in equity due to addition during the year / period	-	2,175.00	603.00	555.00	555.00
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)	52,032.84	54,207.84	42,887.24	43,442.24	43,997.24
11	Average Equity (Normal)	52,032.84	53,120.34	42,585.74	43,164.74	43,719.74
12	Pre Tax Rate of ROE (%)	15.50%	15.50%	15.50%	15.50%	15.50%
12a	Post Tax Rate of ROE (%)	18.782%	18.782%	18.782%	18.782%	18.782%
13	Total ROE	9,772.81	9,977.06	7,998.45	8,107.20	8,211.44
(Petitioner)						

PART-I						
FORM- 1(IIB)						
Name of the Petitioner			NTPC Limited			
Name of the Generating Station			Auraiya Gas Power Station			
<u>Statement showing Return on Equity Eligible@SBI MCLR + 350 basis points</u>						
Amount in Rs. Lakh						
S. No.	Particulars	2024-25	2025-26	2026-27	2027-28	2028-29
1	2	3	4	5	6	7
	Statement showing Return on Equity Eligible@SBI MCLR + 350 basis points					
1	Gross Opening Equity (Normal)	7.56	267.06	380.01	380.01	380.01
2	Less: Adjustment in Opening Equity	-	-	-	-	-
3	Adjustment during the year	-	-	-	-	-
4	Net Opening Equity (Normal)	7.56	267.06	380.01	380.01	380.01
5	Add: Increase in equity due to addition during the year / period	259.50	112.95	-	-	-
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)	267.06	380.01	380.01	380.01	380.01
11	Average Equity (Normal)	137.31	323.53	380.01	380.01	380.01
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	20.21	47.63	55.95	55.95	55.95
(Petitioner)						

Plant Characteristics

Name of the Petitioner	NTPC Ltd					
Name of the Generating Station	Auraiya 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/Cm²) abs	Not Applicable					
Main Steam Temperature at Turbine inlet (°C)						
Reheat Steam Pressure at Turbine inlet (kg/Cm²)						
Reheat Steam Temperature at Turbine inlet (°C)						
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 (°C)						
Back Pressure						
Steam flow at super heater outlet under BMCR condition (tons/hr)						
Steam Pressure at super heater outlet under BMCR condition) (kg/Cm²)						
Steam Temperature at super heater outlet under BMCR condition (°C)						
Steam Temperature at Reheater outlet at BMCR condition (°C)						
Design / Guaranteed Boiler Efficiency (%)						
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	Naphtha					
Special Features/Site Specific Features						
Special Technological Features						
Environmental Regulation related features						
Any other special features						

Petitioner

Normative parameters considered for tariff computations

Name of the Petitioner:	NTPC Limited
Name of the Generating Station:	Auraiya 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%
Weighted Average Interest on Loan (WAROI)	%	5.531%	5.920%	6.324%	7.140%	7.920%	7.912%
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	2100	2100	2100	2100	2100	2100
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 :	Auraiya 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	12,059.88	12,696.71	13,360.07	14,063.23	14,806.20
2	O&M expenses under Reg.36(1) (6)					
2a	Water Charges	125.00	125.00	128.00	128.00	130.00
2b	Secutiry expenses	1950.00	2000.00	2100.00	2150.00	2250.00
2c	Capital Spares	-	-	-	-	-
	Total O&M Expenses	14134.88	14821.71	15588.07	16341.23	17186.20

Petitioner

Form-7	
Name of the Company	NTPC Ltd
Name of the Power Station	Auraiya GPS
Particulars	
Source of Loan	JBIC Auraiya
Currency	JPY
Amount of loan sanctioned	8,02,16,22,579.00
Amount of Gross Loan drawn upto 31.03.2019	7,98,59,78,815.00
Interest Type	Fixed
Fixed Interest Rate, if applicable	1.88%
Base Rate, if floating interest	-
Margin, if floating interest rate	-
Are there any Caps / Floor	NO
If above is Yes, specify Caps / Floor	-
Moratorium Period	1 Year 4 Months
Moratorium effective from	25-Jan-2014
Repayment period	24 Installemnts
Repayment effective from	26-May-2015
Repayment frequency	Semi Annual
Repayment installment	JPY 332,750,000/- each except last of JPY 332,728,815/-
Base Exchange Rate (31.03.2019)	0.6343
Name of the Projects	Auraiya R&M

Form-8	
Name of the Company	NTPC Limited
Name of the Power Station	Auraiya Gas Power Station
Particulars	
Source of Loan	4.75% Fixed Rate Notes due 2022#
Drawal	-
Currency	USD
Amount of loan sanctioned	500000000.00
Amount of Gross Loan drawn upto 31.03.2019	500000000.00
Interest Type	Fixed
Fixed Interest Rate, if applicable	4.75% #
Base Rate, if floating interest	-
Margin, if floating interest rate	-
Are there any Caps / Floor	NO
If above is Yes, specify Caps / Floor	-
Moratorium Period	10 Years
Moratorium effective from	03.10.12
Repayment period	Bullet payment
Repayment effective from	03.10.2022
Repayment frequency	One time
Repayment installment	50,00,00,000.00
Base Exchange Rate (31.03.2019)	60.61
Are foreign currency loan hedged	NO
If above is Yes, specify details	
Drawl Date	03.10.12
Drawl Exchange Rate	51.91
Name of the Projects	
Auraiya R&M	2.43610%
Total	100.00000%
Notes:- * The Interest rate is exclusive of withholding tax @ 5.46% w.e.f 01.04.2018 (@ 5.4075% till 31.03.2018) (Inclusive of surcharge & education cess)	

Statement Giving Details of Project Financed through a Combination of loan		
Form 8		
	TRANCHE NO	
BP NO 5050000521	T00001	D00004
Unsecured Loan From HDFC Bank Ltd.-IV		
Source of Loan :	HDFC Bank Ltd.-IV	
Currency :	INR	
Amount of Loan :	20,00,00,00,000	
Total Drawn amount :	12,45,00,00,000	
Date of drawl	29.06.2018	
Interest Type :	Floating	
Fixed Interest Rate :		
Base Rate, If Floating Interest	8.00%	
Margin, If Floating Interest :	NIL	
Are there any Caps/ Floor :	Y/N	
Frequency of Intt. Payment	MONTHLY	
If Above is yes, specify Caps/ Floor :		
Moratorium Period :	3 Years	
Moratorium effective from :	29.06.2018	
Repayment Period (Inc Moratorium) :	12 Years	
Repayment Frequency :	9 Yearly Instalment	
Repayment Type :	AVG	
First Repayment Date :	17.04.2021	
Base Exchange Rate :	RUPEE	
Date of Base Exchange Rate :	N.A.	
Project Code	Project Name	Amount
	KORBA R&M	90,00,00,000
	RAMAGUNDAM R&M	2,20,00,00,000
	UNCHAHAR R&M	70,00,00,000
	RIHAND R&M	90,00,00,000
	KAWAS R&M	1,80,00,00,000
	AURAIYA R&M	1,80,00,00,000
	TSTPP R&M	90,00,00,000
	GANDHAR R&M	1,85,00,00,000
	NCTPP R&M	30,00,00,000
	KAHALGAON R&M	30,00,00,000
	ANTA R&M	80,00,00,000
Total Allocated Amount		12,45,00,00,000

Statement Giving Details of Project Financed through a Combination of loan		
Form 8		
	TRANCHE NO	
BP NO 5050000641	T00001	D00002
Unsecured Loan From HDFC Bank Ltd. VI		
Source of Loan :	HDFC Bank Ltd. VI	
Currency :	INR	
Amount of Loan :	15,00,00,00,000	
Total Drawn amount :	5,00,00,00,000	
Date of drawl	11.10.2018	
Interest Type :	Floating	
Fixed Interest Rate :		
Base Rate, If Floating Interest	8.30%	
Margin, If Floating Interest :	NIL	
Are there any Caps/ Floor :	Y/N	
Frequency of Intt. Payment	MONTHLY	
If Above is yes, specify Caps/ Floor :		
Moratorium Period :	6 Years	
Moratorium effective from :	11.10.2018	
Repayment Period (Inc Moratorium) :	15 Years	
Repayment Frequency :	9 Yearly Instalment	
Repayment Type :	AVG	
First Repayment Date :	26.09.2025	
Base Exchange Rate :	RUPEE	
Date of Base Exchange Rate :	N.A.	
Project Code	Project Name	Amount
	BARH-I	55,00,00,000
	TAPOVAN VISHNUGARH	10,00,00,000
	BONGAIGAON	10,00,00,000
	SOLAPUR	14,00,00,000
	LARA-I	33,00,00,000
	GADARWARA	68,00,00,000
	NORTH KARANPURA	42,00,00,000
	DARLIPALLI	34,00,00,000
	TANDA II	31,00,00,000
	RAMMAM	3,00,00,000
	KHARGONE	48,00,00,000
	TELANGANA	42,00,00,000
	AURAIYA R&M	50,00,00,000
	NCTPP R&M	10,00,00,000
	KAWAS R&M	15,00,00,000
	GANDHAR R&M	35,00,00,000
Total Allocated Amount		5,00,00,00,000

Form 8- Domestic Bonds- orm 8- Domestic Bonds- Details of Allocation of corporate loans to various projects		
Particulars	57	73
Series	57	73
Source of Loan1	BONDS	BONDS
Currency2	INR	INR
Amount of Loan sanctioned	50000	250000
Interest Type6	Fixed	Fixed
Fixed Interest Rate, if applicable	8.19%	6.43%
Base Rate, if Floating Interest7	N/A	N/A
Margin, if Floating Interest8	N/A	N/A
Are there any Caps/Floor9	No	No
If above is yes,specify caps/floor	N/A	N/A
Moratorium Period10	10	10
Moratorium effective from #	42353	44223
Repayment Period11	Bullet Repayment	Bullet Repayment
Repayment effective from	46006	47875
Repayment Frequency12	Bullet Repayment	Bullet Repayment
Repayment Instalment13,14	50000	250000
Base Exchange Rate16	N/A	N/A
Door to Door Maturity	10	10
Name of the Projects	Amount	Amount
Auraiya R&M	1400	200
Auraiya Solar 20MW		400
BARH I	8900	51100
BONGAIGAON	500	-
CC - NEEPCO		18243
CC - THDC		34207
Chatti Bariatu CMB	-	825
DARLIPALLI	-	28300
Dulanga CMP	-	2700
Farakka R&M	-	1700
Faridabad R&M		100
GADARWARA	2000	19000
Gandhar R &M	800	-
KAHALGAON R&M	500	600
Kayamkulam FS (22 MW)		170
Kayamkulam FS (70 MW)		1830
Khargone	3000	3000
Kirenderi Coal Mine		7350
KOLDAM	3700	-
KORBA III	500	-
Korba R&M	-	2300
LARA	13700	1700
NCTPP II	500	-

NORTH KARANPURA	-	9500
Pakri Barwadih CMB	800	-
Ramagundam Floating Solar-100 MW		3375
Ramagundam I & II R&M		4200
Rammam	-	3300
RIHAND III	800	-
Rihand R&M	-	1200
Simhadri Floating		1875
Simhadri II	1000	-
Singrauli R&M	-	4200
SIPAT I	1400	-
Talaipali Coal Mine	-	19400
TALCHER II	700	-
Tanda II	400	9500
Tapovan Vishnugad	-	6200
Telangana	-	9725
TSTPP R&M	1000	500
Unchahar IV	4800	-
Unchahar R&M	-	500
Vindhyachal IV	500	-
Vindhyachal R&M	900	2800
Vindhyachal V	2200	-
TOTAL	50000	250000

Year wise Statement of Additional Capitalisation after COD

Name of the Petitioner	NTPC Limited
Name of the Generating Station	Auraiya 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 eligible for RoE@Normal Rate							
1	Duct and Damper Replacement in Gas Turbine	-	1,850.00	1,850.00	1,850.00	1,850.00	Pl. refer Form-9 of respective FYs.	
2	Ventilation system in Main Plant Area			100.00				
3	Pumps with diesel Engine for fire water pump house & Foam Pump House			60.00				
4	Cement concrete lining in Canal by UPID		5,200.00					
5	Fire Tender		200.00					
	Sub Total-A	-	7,250.00	2,010.00	1,850.00	1,850.00		
B.	Works eligible for RoE@SBI MCLR+350 bp							
1	CCTV in plant & township	265.00	164.00				Pl. refer Form-9 of respective FYs.	
2	Installation and Commissioning of CLO2 System	540.00						
3	Roof Top Solar 250KWp on DM plant and Township		150.00	-				
4	Construction of Additional Room in St Joseph school in township and one room in fire station.		55.00					
5	Audio video system in Auditorium	35.00						
6	Construction of Safety dome in Kendriya Vidyalaya		7.50					
7	Energy Management System	25.00						
	Sub Total-B	865.00	376.50	-	-	-		
	Total Add. Cap. Claimed (A+B)	865.00	7,626.50	2,010.00	1,850.00	1,850.00		

(Petitioner)

Year wise Statement of Additional Capitalisation after COD

Name of the Petitioner		NTPC Limited								
Name of the Generating Station		Auraiya 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 eligible for RoE@Normal Rate										
1	NA	0.00		0.00		0.00		NA	NA	NA
Sub Total (A)		0.00	0.00	0.00	0.00	0.00				
B. Works eligible for RoE@SBI MCLR+350 bp										
1	CCTV in plant & township	265.00	0.00	265.00		265.00		26(1)(d)	Central Industrial Security Force (CISF) under Ministry of Home, Govt of India is entrusted with the security of the plant. Based on security assessment they provide inputs to the NTPC Management for taking action for ensuring proper security arrangement of the Plant. CISF vide letter dtd. 31.12.2023 directed NTPC management to increase the number of CCTV camera installed in station premises. The letter from CISF is attached as Annexure-R/1 . Accordingly current proposal is for increasing the CCTV coverage of the plant and township as per advice from CISF. In view of the above it is humbly submitted that Hon'ble Commission may be pleased to allow the said work under Regulation 26 (1) (d) of Tariff Regulations, 2024	NA

2	Installation and Commissioning of CLO2 System	540.00	0.00	540.00	540.00	26(1)(d) & 26(1)(b)& 26(1) (i)	<p>At the instant station chlorine dosing is done for raw water treatment. Chlorine gas is very hazardous and may prove fatal in case of leakage/ explosion and therefore, handling and storage of same involves risk to the life of public at large. Clause 6(1)(a) and 6(1)(d) of "The Occupational Safety, Health and Working Conditions Code, 2020" notified by Ministry of Law & Justice, GoI vide Gazette Notification dated 29th September 2020 provides as under: Quote ".....DUTIES OF EMPLOYER AND EMPLOYEES, ETC. 6. (1) Every employer shall: a) ensure that workplace is free from hazards which cause or are likely to cause injury or occupational disease to the employees; (d) provide and maintain, as far as is reasonably practicable, a working environment that is safe and without risk to the health of the employees;" Unquote</p> <p>The excerpts of Code is attached as Annexure-R/2. Further, Chapter 5 (Guidelines for Industrial (Chemical) Installations and Storages) of the said guidelines by NDMA provides that industrial systems shall be continuously re-engineered (improved and upgraded)/ strengthened for the prevention and management of chemical accidents. The relevant extract from the said guideline is as below: Quote "5.1 Industrial (Chemical) Installations: A prime area of concern is the strengthening of the industrial systems for the prevention and management of chemical accidents. Such provisions shall be established to continuously reengineer (improve and upgrade) the system. As a part of government policy, it is envisaged that the present regulatory inspection and monitoring framework will evolve measures to encourage self-regulation, public consultation and PPP. These activities would develop credibility at all levels." .. 5.11 "Engineering methods to control hazards include: i) Change of processes: to shift to less hazardous processes." Unquote</p> <p>The excerpts of NDMA guidelines is attached as Annexure-R/3 Accordingly, the installation of CIO2 Plant is being taken up by the Petitioner for prevention and management of chemical accidents as per NDMA guidelines and to enhance safety of personnel in compliance with the duties necessitated for an employer under "The Occupational Safety, Health and Working Conditions Code, 2020"</p> <p>In view of the contribution of the said work towards enhancing system reliability, ensuring the successful and efficient operation of the plant, improving safety within the plant and surrounding areas, and ensuring compliance with statutory and legal provisions, the Hon'ble Commission may kindly consider allowing it under Sections 26(1)(i), 26(1)(b), and 26(1)(d)</p>	NA
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3	Audio video system in Auditorium	35.00	0.00	35.00		35.00	26(1) & 102	It is submitted that the Petitioner is a Govt company and has to fulfil various obligations as mandated in compliance of various provisions of Factories Act, Corp Social Responsibility, Coordination with Administration and other Govt bodies etc. This requires availability of necessary infrastructure conduct such communication meetings. The proposed work is for installation of Audio Video System to fulfil the various requirements such as Conduct of Meetings with external stakeholders such as district State Administration, PF & Labour Dept, GAIL , State fire dept , CISF , Conducting MS Raising Day functions, Seminars etc. In view of the above it is humbly submitted that Hon'ble Commission may be pleased to allow the proposed work under Regulations 26(1) (b) with power to relax.	NA
4	Energy Management System	25.00	0.00	25.00		25.00	26(1)(i)	Energy Management System is required for Control and monitoring of in house energy consumption. The operational scenario of gas plants has ben changed significantly in past few years due to increasing presence of RE power. This has resulted in frequent start and stops of the Units as per the requirement of generation schedule provided to the station. Such frequent start up lead to increased auxiliary power consumption of the Station. It is submitted that the no of start ups in FY 2024-25 is 411 up to Oct 24 alone. While the no of start ups in FY 23-24 and 22-23 has been 570 and 545 respectively. Such huge no of start ups require to run the Unit auxiliaries for extended hours as per operational requirement even when there is no generation. This warrants close monitoring of auxiliary power consumption of the Station so that same can be optimised under changed operational scenario. Theprosped work od Energy Management System is intended for measurement, and analysis of aux energy consumption by major equipment and subsystems so as to monitor their specific energy consumption and take necessary corrective action as ad when necessary to ensure efficient operation of the Plant. In view of the above it is humbly submitted that Hon'ble Commission may be pleased to allow the proposed work under Regulation 26 (1) (i) of Tariff Regulations, 2024	NA
Sub Total (B)		865.00	-	865.00	-	865.00			
Total Add. Cap.		865.00	-	865.00	-	865.00			
(Petitioner)									

PART-I FORM- 9								
Year wise Statement of Additional Capitalisation after COD								
Name of the Petitioner		NTPC Limited						
Name of the Generating Station		Auraiya Gas Power Station						
COD		01-04-1997						
For Financial Year		2025-2026						
Amount in Rs Lakh								Admitted Cost by the Commissi on, if any
Sl. No.	Head of Work /Equipment	ACE Claimed (Projected) Accrual basis as per IGAAP	Un- discharged Liability included in col. 3	Cash basis	IDC included in col. 3	Regulations under which claimed	Justification	
1	2	3	4	5= (3-4)	6	7	8	9
A. Works eligible for RoE@Normal Rate								
1	Duct and Damper Replacement in Gas Turbine	1850.00		1850.00		25(2)(c) & 26(1)(i)	<p>Auraiya GPS has 4 nos GTs and 2 nos. Steam Turbines of MHI Japan make. These were commissioned in the year 1989 and have been in commercial operation since 1990. Even though R&M of Gas turbines was carried out during 2015, no replacement/upgradation work was done on GT exhaust duct and dampers. The proposed expenditure is for replacement of existing GT exhaust duct, bypass damper, inlet damper, WHRB isolating blind plate and associated civil structure of all four GTs. The Turbine exhaust temperature is used to be more than 500 deg Centigrade which is handled by these ducts and dampers. Since these handle high temperature flue gas at high velocity, they are made of special type alloy steel and is internally insulated and lined with SS plates. Besides this, the total duct is also externally insulated with aluminium cladding to minimize heat loss. To enable the open cycle and combined cycle operation, the station is provided with multi louvre bypass dampers and inlet dampers which operates in tandem to direct flue gas either to bypass stack or to WHRB.</p> <p>Due to more than 35 years of operation, damage to liner plates and warping in louver type dampers have taken place. This has aggravated with the cyclic start/stops of recent times. It is submitted that the no of start ups in FY 2024-25 up to Oct 24 alone is 411. While the no of start ups in FY 23-24 and 22-23 have been 570 and 545 respectively. The existing ducts and dampers have already outlived their life and have become obsolete. Due to above inspite of regular repair and maintenance, there are frequent leakages from the ducts and passing from the inlet and bypass dampers. Because of this there is not only loss of useful heat during closed cycle operation due to passing of bypass damper but also pose operational difficulty due to passing of WHRB inlet damper during Open Cycle Operation. This problem is being aggravated day by day due to frequent start ups as stated above. Besides the significant loss in efficiency due to passing of dampers, it also poses safety threat to operating personnel as GT exhaust gases temperature is very high. Accordingly complete replacement of ducts and dampers of WHRB is proposed for safe, efficient and reliable operation of the power plant to serve the beneficiary and grid requirement as and when scheduled.</p> <p>In view of the above, it is humbly submitted that Hon'ble Commission may be pleased to allow the work of replacement of ducts and damper under Regulation 25 (2) (c) read with Regulation 26 (1) (i).</p>	NA

Year wise Statement of Additional Capitalisation after COD

2	Cement concrete lining in Canal by UPID	5200.00		5200.00		25 (1) (b)	<p>Auraiya GPS receives raw water for plant operation from Mangalpur Rajwah of UP Irrigation Department. As per letter from UP Irrigation department dated 13.04.2023, it has been said that as per the original Govt Order No-4090/03-27 /Irrigation-28W /95/ Irrigation Section-4/dated 11 Sept 2003, against the water supplied to AuGPS from the canal water be recouped through pump sets so as to make up for the water supplied to Auraiya GPS available for irrigation purpose. Letter from UPID further states that pump sets have been dried up now. It is also said that UP irrigation department has obligation to ensure requisite supply of the water for irrigation purpose for certain area of land as per policy of Govt of UP. It further states that since capacity of canal is limited, and water supply for non agricultural work is prohibited. In case supply to plant is provided, equivalent amount of water needs to be saved by concrete lining of the canal so that there is no adverse impact of water supply for the irrigation purpose. UP Irrigation department has emphasized the need of concrete lining of the canal through its letters dated 11.07.2023, 30.08.2023, 22.12.2023 and 04.03.2024. The letters from UP Irrigation department is attached as Annexure-R/4.</p> <p>Accordingly, the Canal lining work is to be carried out in compliance of provisions of UP Govt order dated 11 Sept 2001 and communication from UP Irrigation Department in this regard.</p> <p>In view of the above, it is humbly submitted that Hon'ble Commission may be pleased to allow the work of Concrete lining of canal under Regulation 25 (1) (b).</p>	NA
3	Fire Tender	200.00		200.00		25(2)(c) & 26(1)(d)	<p>Fire tenders are being deployed at the station to take care of fire incidents anywhere in the plant. Currently there are three fire tenders deployed at instant station for fire fighting system. Central Industrial Security Force (CISF) under Ministry of Home, Govt of India is entrusted with the operation of the Fire tenders and is responsible for handling fire incidents. As per CISF FHQrs Fire Directorate New Delhi Manual-2017, standard operating procedures (SOP) life of fire tender is 10 years from the manufacture date. The existing fire tenders have been already completed more than 10 years. Therefore, CISF vide its letter dated 24.08.2024 has recommended to replace the existing fire tenders as they have become obsolete as per CISF SOP. The Letter from CISF is attached as Annexure-R/5 Colly.</p> <p>In view of the above, it is humbly submitted that Hon'ble Commission may be pleased to allow the work of Concrete lining of canal under Regulation 25 (1) (b).</p>	NA
Total (A)		7,250.00	-	7,250.00	-			
B. Works eligible for RoE@SBI MCLR+350 bp								
1	CCTV in plant & township	164.00		164.00		26(1)(d)	Detailed Justification provided at SI No-B1 of Form-9 24-25	NA

Year wise Statement of Additional Capitalisation after COD

2	Roof Top Solar 250KWp on DM plant and Township	150.00		150.00	26(1)(b) & 102	<p>The project is towards compliance of the Govt of India initiative for promoting renewable energy such as rooftop solar PV plant to reduce inhouse power consumption from coal and thus helping in cutting down carbon emission. There are many initiatives being taken up at the instant station to reduce carbon foot print by enhancing the Station heat rate as well as Auxiliary Energy Consumption. Installation of Solar PV is one such initiative by the station.</p> <p>The proposed expenditure aims at develop sustainable communities as defined under Sustainable Development Goal 11 (SDG-11). This is towards compliance of the Govt of India initiative for promoting renewable energy such as rooftop solar PV plant to reduce inhouse power consumption from coal and thus helping in cutting down carbon emission. There are many initiatives being taken up at the instant station to reduce carbon foot print by enhancing the Station heat rate as well as Auxiliary Energy Consumption. Installation of Solar PV is one such initiative by the station.</p> <p>Solar energy is a key part of the United Nations' Sustainable Development Goal 7 (SDG 7), which aims to make ensuring access to clean and affordable energy. The targets of CDG 7 is attached as Annexure-R/6.</p> <p>The proposed expenditure aims at installation of solar photovoltaic (PV) modules in plant premises thereby reducing carbon emissions and the dependence on electricity generated through coal for use in the plant premises.</p> <p>India is a signatory to SDGs and the petitioner being a prudent entity is striving towards installation of Solar PV modules in plant premises thereby improving SDG Index.</p> <p>In view of the above, it is humbly submitted that Hon'ble Commission may be pleased to allow the same under 26(1)(b) read with reg. 102 of Tariff Regulations, 2024.</p>	NA
3	Construction of Room & Safety dome in Township School and one room in fire station.	62.50		62.50	26 (1) & 102	<p>Since the plant has been in operation for more than 34 years, the amenities made at that time are not commensurate with requirement of the present day. In view of the above construction of one additional room in St Josephs School and safety dome in Kendriya Vidyalaya is proposed to accommodate the needs of schools in the township. Since the school in township cater to the need of education of employees and the land oustees of the project, the construction of the above infrastructure is required as per demand raised by schools. The letter from School is attached as Annexure-R/7.</p> <p>Further, CISF vide its letter dated 24.08.2024 has required the construction of one fire crew room cum model room cum class room for conducting fire classes. The Letter from CISF is attached as Annexure-R/5 Colly.</p> <p>In view of the above, it is humbly submitted that Hon'ble Commission may be pleased to allow the same under 26(1)(i) read with reg. 102 of Tariff Regulations, 2024.</p>	NA
Total (B)		376.50	-	376.50	-		
Total Add. Cap.		7,626.50	-	7,626.50	-		

(Petitioner)

Year wise Statement of Additional Capitalisation after COD

Name of the Petitioner	NTPC Limited
Name of the Generating Station	Auraiya 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 eligible for RoE@Normal Rate								
1	Duct and Damper Replacement in Gas Turbine	1,850.00		1,850.00	-	25(2)(c) & 26(1)(i)	Detailed Justification Provided at SI No-A1 of Form-9 25-26	NA
2	Ventilation system in Main Plant Area	100.00		100.00	-	25(2)(c)	The existing ventilation System was commissioned at the time of Unit commissioning and is more than 35 years. The ventilation system consists of ducts, louvers, water pump , bower etc. Complete system is in dilapidated condition due to which it is not effective. The air washer system is used for air colling of areas such as Electrical switchgear rooms, different elevations of TG Hall. Due to ineffectiveness of blower system, work condition is very hostile in summers. This cause difficulty in carrying out regular operation & maintenance particularly during Unit overhauling. In view of the above, it is humbly submitted that Hon'ble Commission may be pleased to allow the said work under Regulation 25 (2) (c).	NA
3	Pumps with diesel Engine for fire water pump house & Foam Pump House	60.00		60.00	-	25(2)(c) & 26(1)(d)	The existing diesel Engine for Fire Water Pump & Foam Pump is 35 years old and, OEM has discontinued its support and thus have got obsolete. Diesel engine Fire water pumps foam pump are extremely important in case of total AC failure of station under which all electrically operated fire water pumps become inoperative. Fire risk in case of total AC failure is much higher than in normal condition. Therefore healthiness of diesel engine operated Fire water pump and foam pump is mandatory for fire safety system of the plant. Considering the obsolescence of the exiting diesel engine operated pump, the replacement is required . The obsolescence letter from OEM is attached as Annexure-R/8 . In view of the above, it is humbly submitted that Hon'ble Commission may be pleased to allow the said work under Regulation 25 (2) (c) read with Regulation 26 (1) (d)	NA

PART-I FORM- 9								
<u>Year wise Statement of Additional Capitalisation after COD</u>								
Name of the Petitioner		NTPC Limited						
Name of the Generating Station		Auraiya 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
1	2	Accrual basis as per IGAAP 3	Un-discharged Liability included in col. 3 4	Cash basis 5= (3-4)	IDC included in col. 3 6	7	8	9
	Total (A)	2,010.00	-	2,010.00	-			
B.	Works eligible for RoE@SBI MCLR+350 bp							
1	NA	-		-		NA	NA	NA
	Total (B)	-	-	-	-			
Total Add. Cap. Claimed		2,010.00	-	2,010.00	-			
(Petitioner)								

Year wise Statement of Additional Capitalisation after COD

Name of the Petitioner	NTPC Limited
Name of the Generating Station	Auraiya 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 eligible for RoE@Normal Rate								
1	Duct and Damper Replacement in Gas Turbine	1,850.00		1,850.00	-	25(2)(c) & 26(1)(i)	Detailed Justification Provided at SI No-A1 of Form-9 25-26	NA
	Total (A)	1,850.00	-	1,850.00	-			
B. Works eligible for RoE@SBI MCLR+350 bp								
1	NA	-	-	-	-	NA	NA	NA
	Total (B)	-	-	-	-			
Total Add. Cap. Claimed (A+B)		1,850.00	-	1,850.00	-			

(Petitioner)

Year wise Statement of Additional Capitalisation after COD

Name of the Petitioner	NTPC Limited
Name of the Generating Station	Auraiya 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 eligible for RoE@Normal Rate								
1	Duct and Damper Replacement in Gas Turbine	1,850.00		1,850.00	-	25(2)(c) & 26(1)(i)	Detailed Justification Provided at SI No-A1 of Form-9 25-26	NA
	Total (A)	1,850.00	-	1,850.00	-			
B. Works eligible for RoE@SBI MCLR+350 bp								
1	NA	-	-	-	-	NA	NA	NA
	Total (B)	-	-	-	-			
Total Add. Cap. Claimed (A+B)		1,850.00	-	1,850.00	-			

(Petitioner)

PART-I
FORM- 10

Name of the Petitioner	NTPC Limited
Name of the Generating Station	Auraiya 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		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)

Statement of Depreciation

Name of the Company : NTPC Limited

Name of the Power Station : Auraiya 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	132442.85	1,32,455.95	1,32,455.95	1,32,455.95	1,32,455.95	1,32,455.95
2	Closing Capital Cost	132455.95	1,32,455.95	1,32,455.95	1,32,455.95	1,32,455.95	1,32,455.95
3	Average Capital Cost	132449.40	1,32,455.95	1,32,455.95	1,32,455.95	1,32,455.95	1,32,455.95
1a	Cost of IT Equipments & Software included in (1) above*	160.44	201.22	201.22	201.22	201.22	201.22
2a	Cost of IT Equipments & Software included in (2) above*	40.77	0.00	0.00	0.00	0.00	0.00
3a	Average Cost of IT Equipments & Software	201.22	201.22	201.22	201.22	201.22	201.22
4	Freehold land	932.76	932.76	932.76	932.76	932.76	932.76
5	Rate of depreciation	SPREAD OVER					
6	Depreciable value	1,18,383.06	1,18,391.00	1,18,391.00	1,18,391.00	1,18,391.00	1,18,391.00
7.	Balance useful life at the beginning of the period	2.57	1.57	0.57	-	-	-
8	Remaining depreciable value	12,116.35	7,565.11	2,746.57	-	-	-
9	Depreciation (for the period)	4,714.53	4,818.54	2,746.57	-	-	-
10	Depreciation (annualised)	4,714.53	4,818.54	2,746.57	-	-	-
11	Cumulative depreciation at the end of the period	1,10,981.24	1,15,644.43	1,18,391.00	1,18,391.00	1,18,391.00	1,18,391.00
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	-155.36	-	-	-	-	-
15	Net Cumulative depreciation at the end of the period after adjustments	1,10,825.89	1,15,644.43	1,18,391.00	1,18,391.00	1,18,391.00	1,18,391.00

Statement of Depreciation for New Assets							
Name of the Company :		NTPC Limited					
Name of the Power Station :		Auraiya 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	-	865.00	8,491.50	10,501.50	12,351.50
	Add Cap During the Period	0.00	865.00	7,626.50	2,010.00	1,850.00	1,850.00
2	Closing Capital Cost	0.00	865.00	8,491.50	10,501.50	12,351.50	14,201.50
3	Average Capital Cost	0.00	432.50	4,678.25	9,496.50	11,426.50	13,276.50
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	0.00	0.00	0.00	0.00	0.00
5	Rate of depreciation	SPREAD OVER					
6	Depreciable value	0.00	389.25	4,210.43	8,546.85	10,283.85	11,948.85
7.	Balance useful life at the beginning of the period	0.12	0	-	-	-	-
7a	Effective Balance Useful Life at the Beginning of the Period for Deprecoation of New Assets	0.00	5	4	3	2	1
8	Remaining depreciable value	0.00	389.25	4,132.58	7,435.86	6,694.24	5,012.12
9	Depreciation (for the period)	0.00	77.85	1,033.14	2,478.62	3,347.12	5,012.12
10	Depreciation (annualised)	-	77.85	1,033.14	2,478.62	3,347.12	5,012.12
11	Cumulative depreciation at the end of the period	0.00	77.85	1,110.99	3,589.61	6,936.73	11,948.85
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	-	77.85	1,110.99	3,589.61	6,936.73	11,948.85
(Petitioner)							

Calculation of Interest on Actual Loans

Name of the Company		NTPC Limited				
Name of the Power Station		Auraiya Gas Power Station				
(Amount in lacs)						
Sl. No.	Particulars	2024-25	2025-26	2026-27	2027-28	2028-29
1	JBIC & SMBC					
	Gross loan - Opening	43311.99	43311.99	43311.99	43311.99	43311.99
	Cumulative repayments of Loans	32483.99	36093.32	39702.65	43311.99	43311.99
	Net loan - Opening	10828.00	7218.66	3609.33	0.00	0.00
	Addition					
	Repayments of Loans during the year	3609.33	3609.33	3609.33	0.00	0.00
	Net loan - Closing	7218.66	3609.33	0.00	0.00	0.00
	Average Net Loan	9023.33	5414.00	1804.67	0.00	0.00
	Rate of Interest on Loan	1.95%	1.95%	1.95%	1.95%	1.95%
	Interest on loan	176.10	105.66	35.22	0.00	0.00
2	4.75% Fixed Rate Notes Due 2022					
	Gross loan - Opening	6322.90	6322.90	6322.90	6322.90	6322.90
	Cumulative repayments of Loans	6322.90	6322.90	6322.90	6322.90	6322.90
	Net loan - Opening	0.00	0.00	0.00	0.00	0.00
	Addition					
	Repayments of Loans during the year	0.00	0.00	0.00	0.00	0.00
	Net loan - Closing	0.00	0.00	0.00	0.00	0.00
	Average Net Loan	0.00	0.00	0.00	0.00	0.00
	Rate of Interest on Loan	5.0243%	5.0243%	5.0243%	5.0243%	5.0243%
	Interest on loan	0.00	0.00	0.00	0.00	0.00
2	HDFC Bank Ltd. IV D00004					
	Gross loan - Opening	18000.00	18000.00	18000.00	18000.00	18000.00
	Cumulative repayments of Loans	6000.00	8000.00	10000.00	12000.00	14000.00
	Net loan - Opening	12000.00	10000.00	8000.00	6000.00	4000.00
	Addition	0.00	0.00	0.00	0.00	0.00
	Repayments of Loans during the year	2000.00	2000.00	2000.00	2000.00	2000.00
	Net loan - Closing	10000.00	8000.00	6000.00	4000.00	2000.00
	Average Net Loan	11000.00	9000.00	7000.00	5000.00	3000.00
	Rate of Interest on Loan	7.9500%	7.9500%	7.9500%	7.9500%	7.9500%
	Interest on loan	874.50	715.50	556.50	397.50	238.50
3	HDFC Bank Ltd. VI D00002					
	Gross loan - Opening	5000.00	5000.00	5000.00	5000.00	5000.00
	Cumulative repayments of Loans	0.00	0.00	0.00	0.00	0.00
	Net loan - Opening	5000.00	5000.00	5000.00	5000.00	5000.00
	Addition	0.00	0.00	0.00	0.00	0.00
	Repayments of Loans during the year	0.00	555.56	555.56	555.56	555.56
	Net loan - Closing	5000.00	4444.44	4444.44	4444.44	4444.44

Calculation of Interest on Actual Loans

Name of the Company		NTPC Limited				
Name of the Power Station		Auraiya Gas Power Station				
(Amount in lacs)						
Sl. No.	Particulars	2024-25	2025-26	2026-27	2027-28	2028-29
	Average Net Loan	5000.00	4722.22	4722.22	4722.22	4722.22
	Rate of Interest on Loan	7.9500%	7.9500%	7.9500%	7.9500%	7.9500%
	Interest on loan	397.50	375.42	375.42	375.42	375.42
4	BOND 57					
	Gross loan - Opening	1400.00	1400.00	1400.00	1400.00	1400.00
	Cumulative repayments of Loans	0.00	0.00	1400.00	1400.00	1400.00
	Net loan - Opening	1400.00	1400.00	0.00	0.00	0.00
	Addition	0.00	0.00	0.00	0.00	0.00
	Repayments of Loans during the year	0.00	1400.00	0.00	0.00	0.00
	Net loan - Closing	1400.00	0.00	0.00	0.00	0.00
	Average Net Loan	1400.00	700.00	0.00	0.00	0.00
	Rate of Interest on Loan	8.22%	8.22%	8.22%	8.22%	8.22%
	Interest on loan	115.08	57.54	0.00	0.00	0.00
5	BOND 73					
	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	6.46%	6.46%	6.46%	6.46%	6.46%
	Interest on loan	12.92	12.92	12.92	12.92	12.92
	Total Loan					
	Gross loan - Opening	74,234.88	74,234.88	74,234.88	74,234.88	74,234.88
	Cumulative repayments of Loans	44,806.89	50,416.22	57,425.55	63,034.88	65,034.88
	Net loan - Opening	29,428.00	23,818.66	16,809.33	11,200.00	9,200.00
	Addition	-	-	-	-	-
	Repayments of Loans during the year	5,609.33	7,564.89	6,164.89	2,555.56	2,555.56
	Net loan - Closing	23,818.66	16,253.78	10,644.44	8,644.44	6,644.44
	Average Net Loan	26,623.33	20,036.22	13,726.89	9,922.22	7,922.22
	Rate of Interest on Loan	5.92%	6.32%	7.14%	7.92%	7.91%
	Interest on loan	1,576.10	1,267.04	980.06	785.84	626.84

Form-WAR							
Name of the Petitioner			NTPC Ltd				
Name of the Power Station :			Auraiya Gas Power Station				
S.NO	BANK	RATE OF INTEREST	From	To	No. of Days	Wt.	WAR
1	HDFC Bank Limited-IV	8.0100%	01-Apr-23	31-May-23	61	4.89	
	HDFC Bank Limited-IV	7.9500%	01-Jun-23	31-Mar-24	305	24.25	
					366	29.13	7.9600%
2	HDFC Bank Ltd. VI	8.0100%	01-Apr-23	31-May-23	61	4.89	
	HDFC Bank Ltd. VI	7.9500%	01-Jun-23	31-Mar-24	305	24.25	
					366	29.13	7.96%

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
A)	OPENING QUANTITY					
1	Opening Quantity of NG/RLNG/Liquid Fuel	SCM / KL				2,964
2	Value of Stock	Rs.				20,18,66,161
B)	QUANTITY					
3	Quantity of NG/RLNG/Liquid Fuel supplied by Fuel Suppliers	SCM / KL	-	46,11,715	37,055	-
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	-	46,11,715	37,055	-
6	Normative Transit & Handling Losses (For Gas Projects)	SCM / KL				-
7	Net NG/RLNG/Liquid Fuel Supplied (5-6)	SCM / KL	-	46,11,715	37,055	-
C)	PRICE					
8	Amount charged for the NG/RLNG/Liquid Fuel By the Suppliers	Rs.	-	23,60,38,570	20,50,995	
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.	-	23,60,38,570	20,50,995	-
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.	-	23,60,38,570	20,50,995	-
E)	TOTAL COST					
18	Landed cost of NG/RLNG/Liquid Fuel (2+17)/(1+7)	Rs/1000 SCM / Rs. Per KL	8,760.47	51,182.38	55,350.55	68,108.24
19	Blending Ratio	%	NA	NA	NA	NA
20	Weighted average cost of NG/RLNG/Liquid Fuel	Rs/1000 SCM / Rs. Per KL	8,760.47	51,182.38	55,350.55	68,108.24
F)	QUALITY					
21	GCV of NG/RLNG/Liquid Fuel of the opening stock as per bill of Fuel Suppliers	(Kcal/SCM)/ Kcal/KL				7,919
22	GCV of NG/RLNG/Liquid Fuel supplied as per bill of Fuel Suppliers	(Kcal/SCM)/ Kcal/KL	9,073	9,325	9,243	
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	9,073	9,325	9,243	7,919
26	GCV of NG/RLNG/Liquid Fuel of the opening stock as received at Station	(Kcal/SCM)/ Kcal/KL				7,919
27	GCV of NG/RLNG/Liquid Fuel supplied as received at Station	(Kcal/SCM)/ Kcal/KL	9,073.28	9,325.15	9,243.31	
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	9,073.28	9,325.15	9,243.31	7,919.20

			PART-I FORM- 15			
Details of Source wise Fuel for Computa			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 pow	Dadri Gas power Station			
S. No.	Particulars	Unit (Gas/Liquid)	May-23			
			NG	RLNG	C-	Liquid fuel
A)	OPENING QUANTITY					
1	Opening Quantity of NG/RLNG/Liquid Fuel	SCM / KL				2,774
2	Value of Stock	Rs.				18,91,92,541
B)	QUANTITY					
3	Quantity of NG/RLNG/Liquid Fuel supplied by Fuel Suppliers	SCM / KL	-	1,04,83,363		118
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	-	1,04,83,363	-	118
6	Normative Transit & Handling Losses (For Gas Projects)	SCM / KL				
7	Net NG/RLNG/Liquid Fuel Supplied (5-6)	SCM / KL	-	1,04,83,363	-	118
C)	PRICE					
8	Amount charged for the NG/RLNG/Liquid Fuel By the Suppliers	Rs.	-	54,70,83,568		85,57,386
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.	-	54,70,83,568	-	85,57,386
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.	-	54,70,83,568	-	85,57,386
E)	TOTAL COST					
18	Landed cost of NG/RLNG/Liquid Fuel (2+17)/(1+7)	Rs/1000 SCM / Rs. Per KL	8,760.47	52,185.88	55,350.55	68,374.05
19	Blending Ratio	%	NA	NA	NA	NA
20	Weighted average cost of NG/RLNG/Liquid Fuel	Rs/1000 SCM / Rs. Per KL	8,760.47	52,185.88	55,350.55	68,374.05
F)	QUALITY					
21	GCV of NG/RLNG/Liquid Fuel of the opening stock as per bill of Fuel Suppliers	(Kcal/SCM)/ Kcal/KL				7,921
22	GCV of NG/RLNG/Liquid Fuel supplied as per bill of Fuel Suppliers	(Kcal/SCM)/ Kcal/KL	9,073.28	9,389	9,243	
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	9,073	9,389	9,243	7,921
26	GCV of NG/RLNG/Liquid Fuel of the opening stock as received at Station	(Kcal/SCM)/ Kcal/KL				7,921
27	GCV of NG/RLNG/Liquid Fuel supplied as received at Station	(Kcal/SCM)/ Kcal/KL	9,073.28	9,389.19	9,243.31	
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	9,073.28	9,389.19	9,243.31	7,921.44

			PART-I FORM- 15			
Details of Source wise Fuel for Computa			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 pow	Dadri Gas power Station			
S. No.	Particulars	Unit (Gas/Liquid)	Jun-23			
			NG	RLNG	C-RLNG	Liquid
A)	OPENING QUANTITY					
1	Opening Quantity of NG/RLNG/Liquid Fuel	SCM / KL				2,892
2	Value of Stock	Rs.				19,77,49,927
B)	QUANTITY					
3	Quantity of NG/RLNG/Liquid Fuel supplied by Fuel Suppliers	SCM / KL	-	2,39,47,933	16,55,752	
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	-	2,39,47,933	16,55,752	-
6	Normative Transit & Handling Losses (For Gas Projects)	SCM / KL				
7	Net NG/RLNG/Liquid Fuel Supplied (5-6)	SCM / KL	-	2,39,47,933	16,55,752	-
C)	PRICE					
8	Amount charged for the NG/RLNG/Liquid Fuel By the Suppliers	Rs.	-	1,19,73,86,274	7,90,98,328	
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.	-	1,19,73,86,274	7,90,98,328	-
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.	-	1,19,73,86,274	7,90,98,328	-
E)	TOTAL COST					
18	Landed cost of NG/RLNG/Liquid Fuel (2+17)/(1+7)	Rs/1000 SCM / Rs. Per KL	8,760.47	49,999.57	47,771.85	68,374.05
19	Blending Ratio	%	NA	NA	NA	NA
20	Weighted average cost of NG/RLNG/Liquid Fuel	Rs/1000 SCM / Rs. Per KL	8,760.47	49,999.57	47,771.85	68,374.05
F)	QUALITY					
21	GCV of NG/RLNG/Liquid Fuel of the opening stock as per bill of Fuel Suppliers	(Kcal/SCM)/ Kcal/KL				7,914
22	GCV of NG/RLNG/Liquid Fuel supplied as per bill of Fuel Suppliers	(Kcal/SCM)/ Kcal/KL	9,073.28	9,216.94	9,203.78	
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	9,073.28	9,216.94	9,203.78	7,913.96
26	GCV of NG/RLNG/Liquid Fuel of the opening stock as received at Station	(Kcal/SCM)/ Kcal/KL				7,913.96
27	GCV of NG/RLNG/Liquid Fuel supplied as received at Station	(Kcal/SCM)/ Kcal/KL	9,073.28	9,216.94	9,203.78	
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	9,073.28	9,216.94	9,203.78	7,913.96

			PART-I FORM- 15				
Details of Source wise Fuel for Computa			Details of Source wise Fuel for Computation of Energy Charges				Detail
Name of the Company :		NTPC Limited	NTPC Limited				NTPC Limi
Name of the Power Station :		Dadri Gas pow	Dadri Gas power Station				Dadri Gas p
S. No.	Particulars	Unit (Gas/Liquid)	Jul-23				NG
			NG	RLNG	C-RLNG	Liquid	
A) OPENING QUANTITY							
1	Opening Quantity of NG/RLNG/Liquid Fuel	SCM / KL				2,892	
2	Value of Stock	Rs.				19,77,49,927	
B) QUANTITY							
3	Quantity of NG/RLNG/Liquid Fuel supplied by Fuel Suppliers	SCM / KL		2,93,21,379	69,36,320		
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	-	2,93,21,379	69,36,320	-	-
6	Normative Transit & Handling Losses (For Gas Projects)	SCM / KL					
7	Net NG/RLNG/Liquid Fuel Supplied (5-6)	SCM / KL	-	2,93,21,379	69,36,320	-	-
C) PRICE							
8	Amount charged for the NG/RLNG/Liquid Fuel By the Suppliers	Rs.	-	1,43,84,34,061	34,25,91,988		-
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.	-	1,43,84,34,061	34,25,91,988	-	-
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.	-	1,43,84,34,061	34,25,91,988	-	-
E) TOTAL COST							
18	Landed cost of NG/RLNG/Liquid Fuel (2+17)/(1+7)	Rs/1000 SCM / Rs. Per KL	8,760.47	49,057.52	49,391.03	68,374.05	8,760.47
19	Blending Ratio	%	NA	NA	NA	NA	NA
20	Weighted average cost of NG/RLNG/Liquid Fuel	Rs/1000 SCM / Rs. Per KL	8,760.47	49,057.52	49,391.03	68,374.05	8,760.47
F) QUALITY							
21	GCV of NG/RLNG/Liquid Fuel of the opening stock as per bill of Fuel Suppliers	(Kcal/SCM)/ Kcal/KL				7,916	
22	GCV of NG/RLNG/Liquid Fuel supplied as per bill of Fuel Suppliers	(Kcal/SCM)/ Kcal/KL	9,073.28	9,123.90	9,134.51		9,073.28
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	9,073.28	9,123.90	9,134.51	7,915.56	9,073.28
26	GCV of NG/RLNG/Liquid Fuel of the opening stock as received at Station	(Kcal/SCM)/ Kcal/KL				7,915.56	
27	GCV of NG/RLNG/Liquid Fuel supplied as received at Station	(Kcal/SCM)/ Kcal/KL	9,073.28	9,123.90	9,134.51		9,073.28
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	9,073.28	9,123.90	9,134.51	7,915.56	9,073.28

PART-I FORM- 15					
Details of Source wise Fuel for Computation of Source wise Fuel for Computation of Energy Charges				Details of	
Name of the Company :		NTPC Limited			NTPC Limited
Name of the Power Station :		Dadri Gas power Station			Dadri Gas power
S. No.	Particulars	Unit (Gas/Liquid)	Aug-23		
			RLNG	C-RLNG	Liquid
A) OPENING QUANTITY					
1	Opening Quantity of NG/RLNG/Liquid Fuel	SCM / KL			2,896
2	Value of Stock	Rs.			19,77,49,927
B) QUANTITY					
3	Quantity of NG/RLNG/Liquid Fuel supplied by Fuel Suppliers	SCM / KL	2,66,46,688	2,20,01,298	
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	2,66,46,688	2,20,01,298	-
6	Normative Transit & Handling Losses (For Gas Projects)	SCM / KL			
7	Net NG/RLNG/Liquid Fuel Supplied (5-6)	SCM / KL	2,66,46,688	2,20,01,298	-
C) PRICE					
8	Amount charged for the NG/RLNG/Liquid Fuel By the Suppliers	Rs.	1,29,32,81,769	1,04,65,49,368	-
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.	1,29,32,81,769	1,04,65,49,368	-
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.	1,29,32,81,769	1,04,65,49,368	-
E) TOTAL COST					
18	Landed cost of NG/RLNG/Liquid Fuel (2+17)/(1+7)	Rs/1000 SCM / Rs. Per KL	48,534.43	47,567.62	68,275.81
19	Blending Ratio	%	NA	NA	NA
20	Weighted average cost of NG/RLNG/Liquid Fuel	Rs/1000 SCM / Rs. Per KL	48,534.43	47,567.62	68,275.81
F) QUALITY					
21	GCV of NG/RLNG/Liquid Fuel of the opening stock as per bill of Fuel Suppliers	(Kcal/SCM)/ Kcal/KL			7,915
22	GCV of NG/RLNG/Liquid Fuel supplied as per bill of Fuel Suppliers	(Kcal/SCM)/ Kcal/KL	9,128.70	9,143.87	9,073.28
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	9,128.70	9,143.87	7,915.17
26	GCV of NG/RLNG/Liquid Fuel of the opening stock as received at Station	(Kcal/SCM)/ Kcal/KL			7,915.17
27	GCV of NG/RLNG/Liquid Fuel supplied as received at Station	(Kcal/SCM)/ Kcal/KL	9,128.70	9,143.87	9,073.28
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	9,128.70	9,143.87	7,915.17

PART-I FORM- 15					
Details of Source wise Fuel for Computation of Source wise Fuel for Computation of Energy Charges					Details
Name of the Company :		NTPC Limited d			NTPC Limite
Name of the Power Station :		Dadri Gas powewer Station			Dadri Gas po
S. No.	Particulars	Unit (Gas/Liquid)	Sep-23		
			RLNG	C-	Liquid
A) OPENING QUANTITY					
1	Opening Quantity of NG/RLNG/Liquid Fuel	SCM / KL			2,896
2	Value of Stock	Rs.			19,77,49,927
B) QUANTITY					
3	Quantity of NG/RLNG/Liquid Fuel supplied by Fuel Suppliers	SCM / KL	1,98,00,133	91,681	
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	1,98,00,133	91,681	-
6	Normative Transit & Handling Losses (For Gas Projects)	SCM / KL			
7	Net NG/RLNG/Liquid Fuel Supplied (5-6)	SCM / KL	1,98,00,133	91,681	-
C) PRICE					
8	Amount charged for the NG/RLNG/Liquid Fuel By the Suppliers	Rs.	99,54,14,258	45,93,970	
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.	99,54,14,258	45,93,970	-
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.	99,54,14,258	45,93,970	-
E) TOTAL COST					
18	Landed cost of NG/RLNG/Liquid Fuel (2+17)/(1+7)	Rs/1000 SCM / Rs. Per KL	50,273.11	50,107.97	68,275.81
19	Blending Ratio	%	NA	NA	NA
20	Weighted average cost of NG/RLNG/Liquid Fuel	Rs/1000 SCM / Rs. Per KL	50,273.11	50,107.97	68,275.81
F) QUALITY					
21	GCV of NG/RLNG/Liquid Fuel of the opening stock as per bill of Fuel Suppliers	(Kcal/SCM)/ Kcal/KL			7,915
22	GCV of NG/RLNG/Liquid Fuel supplied as per bill of Fuel Suppliers	(Kcal/SCM)/ Kcal/KL	9,157.83	9,117.63	
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	9,157.83	9,117.63	7,914.90
26	GCV of NG/RLNG/Liquid Fuel of the opening stock as received at Station	(Kcal/SCM)/ Kcal/KL			7,914.90
27	GCV of NG/RLNG/Liquid Fuel supplied as received at Station	(Kcal/SCM)/ Kcal/KL	9,157.83	9,117.63	
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	9,157.83	9,117.63	7,914.90

PART-I FORM- 15							
Details of Source wise Fuel for Computation of Source wise Fuel for Computation of Energy Charges					Details of Source wise Energy		
Name of the Company :		NTPC Limited d			NTPC Limited		
Name of the Power Station :		Dadri Gas power Station			Dadri Gas power Station		
S. No.	Particulars	Unit (Gas/Liquid)	Oct-23			N	
A)	OPENING QUANTITY		RLNG	C-	Liquid	NG	RLNG
1	Opening Quantity of NG/RLNG/Liquid Fuel	SCM / KL			2,964		
2	Value of Stock	Rs.			20,18,66,161		
B)	QUANTITY						
3	Quantity of NG/RLNG/Liquid Fuel supplied by Fuel Suppliers	SCM / KL	2,77,83,774	-			-
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	2,77,83,774	-	-	-	-
6	Normative Transit & Handling Losses (For Gas Projects)	SCM / KL					
7	Net NG/RLNG/Liquid Fuel Supplied (5-6)	SCM / KL	2,77,83,774	-	-	-	-
C)	PRICE						
8	Amount charged for the NG/RLNG/Liquid Fuel By the Suppliers	Rs.	1,48,14,37,137	-			-
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.	1,48,14,37,137	-	-	-	-
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.	1,48,14,37,137	-	-	-	-
E)	TOTAL COST						
18	Landed cost of NG/RLNG/Liquid Fuel (2+17)/(1+7)	Rs/1000 SCM / Rs. Per KL	53,320.23	50,107.97	68,108.24	8,760.47	53,320.23
19	Blending Ratio	%	NA	NA	NA	NA	NA
20	Weighted average cost of NG/RLNG/Liquid Fuel	Rs/1000 SCM / Rs. Per KL	53,320.23	50,107.97	68,108.24	8,760.47	53,320.23
F)	QUALITY						
21	GCV of NG/RLNG/Liquid Fuel of the opening stock as per bill of Fuel Suppliers	(Kcal/SCM)/ Kcal/KL			7,915		
22	GCV of NG/RLNG/Liquid Fuel supplied as per bill of Fuel Suppliers	(Kcal/SCM)/ Kcal/KL	9,194.13	9,212.52		9,073.28	9,194.13
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	9,194.13	9,212.52	7,914.90	9,073.28	9,194.13
26	GCV of NG/RLNG/Liquid Fuel of the opening stock as received at Station	(Kcal/SCM)/ Kcal/KL			7,914.90		
27	GCV of NG/RLNG/Liquid Fuel supplied as received at Station	(Kcal/SCM)/ Kcal/KL	9,194.13	9,212.52		9,073.28	9,194.13
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	9,194.13	9,212.52	7,914.90	9,073.28	9,194.13

PART-I FORM- 15							
Details of Source wise Fuel for Computation of Fuel for Computation of Energy Charges				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 power			Dadri Gas power Station		
S. No.	Particulars	Unit (Gas/Liquid)	Nov-23		Dec-23		
			C-RLNG	Liquid	NG	RLNG	C-RLNG
A) OPENING QUANTITY							
1	Opening Quantity of NG/RLNG/Liquid Fuel	SCM / KL		2,896			
2	Value of Stock	Rs.		19,77,49,927			
B) QUANTITY							
3	Quantity of NG/RLNG/Liquid Fuel supplied by Fuel Suppliers	SCM / KL	59,62,273			-	76,63,123
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	59,62,273	-	-	-	76,63,123
6	Normative Transit & Handling Losses (For Gas Projects)	SCM / KL					
7	Net NG/RLNG/Liquid Fuel Supplied (5-6)	SCM / KL	59,62,273	-	-	-	76,63,123
C) PRICE							
8	Amount charged for the NG/RLNG/Liquid Fuel By the Suppliers	Rs.	33,57,68,629			-	40,86,06,257
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.	33,57,68,629	-	-	-	40,86,06,257
D) TRANSPORTATION							
12	Transportation charges by rail, ship, road transport	Rs.	95,35,714		-	-	48,13,497
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.	95,35,714	-	-	-	48,13,497
17a	Others				-	-	
17	Total amount Charged for NG/RLNG/Liquid Fuel supplied including Transportation (11+16)	Rs.	34,53,04,343	-	-	-	41,34,19,754
E) TOTAL COST							
18	Landed cost of NG/RLNG/Liquid Fuel (2+17)/(1+7)	Rs/1000 SCM / Rs. Per KL	57,914.88	68,275.81	8,760.47	53,320.23	53,949.25
19	Blending Ratio	%	NA	NA	NA	NA	NA
20	Weighted average cost of NG/RLNG/Liquid Fuel	Rs/1000 SCM / Rs. Per KL	57,914.88	68,275.81	8,760.47	53,320.23	53,949.25
F) QUALITY							
21	GCV of NG/RLNG/Liquid Fuel of the opening stock as per bill of Fuel Suppliers	(Kcal/SCM)/ Kcal/KL		7,915			
22	GCV of NG/RLNG/Liquid Fuel supplied as per bill of Fuel Suppliers	(Kcal/SCM)/ Kcal/KL	9,187.04		9,073.28	9,194.13	9,164.96
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	9,187.04	7,914.90	9,073.28	9,194.13	9,164.96
26	GCV of NG/RLNG/Liquid Fuel of the opening stock as received at Station	(Kcal/SCM)/ Kcal/KL		7,914.90			
27	GCV of NG/RLNG/Liquid Fuel supplied as received at Station	(Kcal/SCM)/ Kcal/KL	9,187.04		9,073.28	9,194.13	9,164.96
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	9,187.04	7,914.90	9,073.28	9,194.13	9,164.96

PART-I FORM- 15				PART-I FORM- 15			
Details of Source wise Fuel for Computation of				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 power		Dadri Gas power Station			
S. No.	Particulars	Unit (Gas/Liquid)	Liquid	Jan-24			
				NG	RLNG	C-RLNG	Liquid
A)	OPENING QUANTITY						
1	Opening Quantity of NG/RLNG/Liquid Fuel	SCM / KL	2,836				2,784
2	Value of Stock	Rs.	19,36,53,378				19,09,10,557
B)	QUANTITY						
3	Quantity of NG/RLNG/Liquid Fuel supplied by Fuel Suppliers	SCM / KL			30,36,591	47,47,265	
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	-	-	30,36,591	47,47,265	-
6	Normative Transit & Handling Losses (For Gas Projects)	SCM / KL					
7	Net NG/RLNG/Liquid Fuel Supplied (5-6)	SCM / KL	-	-	30,36,591	47,47,265	-
C)	PRICE						
8	Amount charged for the NG/RLNG/Liquid Fuel By the Suppliers	Rs.			16,05,30,236	23,17,22,292	
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.	-	-	16,05,30,236	23,17,22,292	-
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.	-	-	16,05,30,236	23,17,22,292	-
E)	TOTAL COST						
18	Landed cost of NG/RLNG/Liquid Fuel (2+17)/(1+7)	Rs/1000 SCM / Rs. Per KL	68,275.81	8,760.47	52,865.28	48,811.74	68,570.50
19	Blending Ratio	%	NA	NA	NA	NA	NA
20	Weighted average cost of NG/RLNG/Liquid Fuel	Rs/1000 SCM / Rs. Per KL	68,275.81	8,760.47	52,865.28	48,811.74	68,570.50
F)	QUALITY						
21	GCV of NG/RLNG/Liquid Fuel of the opening stock as per bill of Fuel Suppliers	(Kcal/SCM)/ Kcal/KL	7,942				7,949
22	GCV of NG/RLNG/Liquid Fuel supplied as per bill of Fuel Suppliers	(Kcal/SCM)/ Kcal/KL		9,073.28	9,186.38	9,185.45	
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	7,941.92	9,073.28	9,186.38	9,185.45	7,949.24
26	GCV of NG/RLNG/Liquid Fuel of the opening stock as received at Station	(Kcal/SCM)/ Kcal/KL	7,941.92				7,949.24
27	GCV of NG/RLNG/Liquid Fuel supplied as received at Station	(Kcal/SCM)/ Kcal/KL		9,073.28	9,186.38	9,185.45	
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	7,941.92	9,073.28	9,186.38	9,185.45	7,949.24

		PART-I FORM- 15					
Details of Source wise Fuel for Computa		Details of Source wise Fuel for Computation of Energy Charges				Details of	
Name of the Company :		NTPC Limited				NTPC Limite	
Name of the Power Station :		Dadri Gas power Station				Dadri Gas po	
S. No.	Particulars	Unit (Gas/Liquid)	Feb-24				NG
			NG	RLNG	C-RLNG	Liquid	
A)	OPENING QUANTITY						
1	Opening Quantity of NG/RLNG/Liquid Fuel	SCM / KL				2,788	
2	Value of Stock	Rs.				19,09,10,557	
B)	QUANTITY						
3	Quantity of NG/RLNG/Liquid Fuel supplied by Fuel Suppliers	SCM / KL		12,98,549	7,43,115		
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	-	12,98,549	7,43,115	-	-
6	Normative Transit & Handling Losses (For Gas Projects)	SCM / KL					
7	Net NG/RLNG/Liquid Fuel Supplied (5-6)	SCM / KL	-	12,98,549	7,43,115	-	-
C)	PRICE						
8	Amount charged for the NG/RLNG/Liquid Fuel By the Suppliers	Rs.		5,08,09,650	3,07,48,923		
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.	-	5,08,09,650	3,07,48,923	-	-
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.	-	5,08,09,650	3,07,48,923	-	-
E)	TOTAL COST						
18	Landed cost of NG/RLNG/Liquid Fuel (2+17)/(1+7)	Rs/1000 SCM / Rs. Per KL	8,760.47	39,128.03	41,378.42	68,472.37	8,760.47
19	Blending Ratio	%	NA	NA	NA	NA	NA
20	Weighted average cost of NG/RLNG/Liquid Fuel	Rs/1000 SCM / Rs. Per KL	8,760.47	39,128.03	41,378.42	68,472.37	8,760.47
F)	QUALITY						
21	GCV of NG/RLNG/Liquid Fuel of the opening stock as per bill of Fuel Suppliers	(Kcal/SCM)/ Kcal/KL				7,949	
22	GCV of NG/RLNG/Liquid Fuel supplied as per bill of Fuel Suppliers	(Kcal/SCM)/ Kcal/KL	9,073.28	9,150.43	9,216.64		9,073.28
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	9,073.28	9,150.43	9,216.64	7,949.24	9,073.28
26	GCV of NG/RLNG/Liquid Fuel of the opening stock as received at Station	(Kcal/SCM)/ Kcal/KL				7,949.24	
27	GCV of NG/RLNG/Liquid Fuel supplied as received at Station	(Kcal/SCM)/ Kcal/KL	9,073.28	9,150.43	9,216.64		9,073.28
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	9,073.28	9,150.43	9,216.64	7,949.24	9,073.28

PART-I FORM- 15					
Details of Source wise Fuel for Computa			Source wise Fuel for Computation of Energy Charges		
Name of the Company :			NTPC Limited d		
Name of the Power Station :			Dadri Gas powewer Station		
S. No.	Particulars	Unit (Gas/Liquid)	Mar-24		
			RLNG	C-	Liquid
A)	OPENING QUANTITY				
1	Opening Quantity of NG/RLNG/Liquid Fuel	SCM / KL			2,788
2	Value of Stock	Rs.			19,09,10,557
B)	QUANTITY				
3	Quantity of NG/RLNG/Liquid Fuel supplied by Fuel Suppliers	SCM / KL	12,120	-	
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	12,120	-	-
6	Normative Transit & Handling Losses (For Gas Projects)	SCM / KL			
7	Net NG/RLNG/Liquid Fuel Supplied (5-6)	SCM / KL	12,120	-	-
C)	PRICE				
8	Amount charged for the NG/RLNG/Liquid Fuel By the Suppliers	Rs.	6,24,522		
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.	6,24,522	-	-
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.	6,24,522	-	-
E)	TOTAL COST				
18	Landed cost of NG/RLNG/Liquid Fuel (2+17)/(1+7)	Rs/1000 SCM / Rs. Per KL	51,527.61	41,378.42	68,472.37
19	Blending Ratio	%	NA	NA	NA
20	Weighted average cost of NG/RLNG/Liquid Fuel	Rs/1000 SCM / Rs. Per KL	51,527.61	41,378.42	68,472.37
F)	QUALITY				
21	GCV of NG/RLNG/Liquid Fuel of the opening stock as per bill of Fuel Suppliers	(Kcal/SCM)/ Kcal/KL			7,949
22	GCV of NG/RLNG/Liquid Fuel supplied as per bill of Fuel Suppliers	(Kcal/SCM)/ Kcal/KL	9,237.37	9,216.64	
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	9,237.37	9,216.64	7,949.24
26	GCV of NG/RLNG/Liquid Fuel of the opening stock as received at Station	(Kcal/SCM)/ Kcal/KL			7,949.24
27	GCV of NG/RLNG/Liquid Fuel supplied as received at Station	(Kcal/SCM)/ Kcal/KL	9,237.37	9,216.64	
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	9,237.37	9,216.64	7,949.24

Computation of Energy Charges

Name of the Company :	NTPC Limited
Name of the Power Station :	Auraiya Gas Power Station

SI	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)	2100			
2	Normative Heat Rate (For OC Operation)	(Kcal/kwh)	(Kcal/kwh)	3045			
3	Capacity	MW	MW	663.36			
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	8,760.47	50,392.87	49,923.35	68,329.76
8	Weighted Average GCV of Fuel	Kcal/SCM	Kcal/Kg	9,073.28	9,208.19	9,189.14	7,926.64
9	Rate of Energy- Ex Bus-CC	(Paise/kwh)	(Paise/kwh)	208.490	1181.750	1173.160	1861.450
10	Rate of Energy- Ex Bus-OC	(Paise/kwh)	(Paise/kwh)	296.970	1683.240	1671.020	2651.390
11	Mode of Operation on Fuel during the FY (% of Schedule Generation)	%	%	0.00%	83.15%	16.75%	0.10%
12	Weighted Average Energy Charge Rate as per above in the FY- Ex Bus CC	(Paise/kwh)	(Paise/kwh)	1180.980			
13	Weighted Average Energy Charge Rate as per above in the FY- Ex Bus OC	(Paise/kwh)	(Paise/kwh)	1682.145			
14	Mode of Operation in OC) in FY (% of Schedule Generation)	%	%	17.00%			
15	Wtd. Average ECR (Taking OC% in consideration)	(Paise/kwh)	(Paise/kwh)	1266.178			

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)	4818.24	4818.24	4818.24	4831.44	4818.24	
16	Fuel cost for 15 days	25,071.57	25,071.57	25,071.57	25,071.57	25,071.57	
17	Cost of Liquid stock for 15 days	38.84	38.84	38.84	38.84	38.84	

PETITIONER

PART-I																
FORM- L																
Statement of Capital cost																
Name of the Petitioner		NTPC Limited														
Name of the Generating Station		Auraiya 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	1,72,067.20	298.17	1,71,769.03	SHALL BE PROVIDED AT THE TIME OF TRUE-UP.											
	b) Amount of IDC in A(a) above	1,820.73	-	1,820.73												
	c) Amount of FC in A(a) above	-	-	-												
	d) Amount of FERV in A(a) above	8,333.37	-	8,333.37												
	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)															
	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)	SHALL BE PROVIDED AT THE TIME OF TRUE-UP.														
	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																

Statement of Capital Works in Progress

Name of the Petitioner	NTPC Limited
Name of the Generating Station	Auraiya 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-discharge d Liabilities	Cash Basis	Accrual Basis	Un-discharg ed Liabilities	Cash Basis	Accrual Basis	Un-discharg ed Liabilities	Cash Basis	Accrual Basis	Un-discharg ed Liabilities	Cash Basis	Accrual Basis	Un-discharg ed Liabilities	Cash Basis
A	a) Opening CWIP as per books	495.38	56.66	69.38	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															
	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	SHALL BE PROVIDED AT THE TIME OF TRUE-UP.														
	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

Calculation of Interest on Normative Loan

Name of the Company	NTPC Limited
Name of the Power Station	Auraiya 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	80,371.86	80,415.55	81,021.05	86,359.60	87,766.60	89,061.60
2	Cumulative repayment of Normative loan up to previous year	B	80,371.86	80,415.55	81,021.05	84,800.77	87,279.38	89,061.60
3	Net Normative loan – Opening	C=A-B	-	-	-	1,558.84	487.22	-
4	Add: Increase due to addition during the year / period	D	93.61	605.50	5,338.55	1,407.00	1,295.00	1,295.00
5	Less: Decrease due to de-capitalisation during the year / period	E	86.31	-	-	-	-	-
6	Less: Decrease due to reversal during the year / period	F						
7	Add: Increase due to discharges during the year / period	G	36.39	0.00	0.00	0.00	0.00	0.00
8	Normative Loan Closing	H=C+D-E-F+G	43.69	605.50	5338.55	2965.84	1782.22	1295.00
8	Repayment of Loan during the year	I	43.69	605.50	3,779.71	2,478.62	1,782.22	1,295.00
9	Repayment adjustment on account of decapitalization	J	43.69	-	-	-	-	-
10	Net Repayment of loan during the year	K=I-J	43.69	605.50	3,779.71	2,478.62	1,782.22	1,295.00
10	Net Normative loan - Closing	L=H-K	43.69	-	1,558.84	487.22	-	-
11	Average Normative loan	M=Average(C,L)	21.85	-	779.42	1,023.03	243.61	-
12	Weighted average rate of interest	N	5.53%	5.92%	6.32%	7.14%	7.92%	7.91%
13	Interest on Loan	O=MxN	1.21	0.00	49.29	73.04	19.29	0.00
15	Cumulative repayment of Normative loan at the end of the period	P=B+K	80,415.55	81,021.05	84,800.77	87,279.38	89,061.60	90,356.60

(Petitioner)

Calculation of Interest on Working Capital

Name of the Company	NTPC Limited
Name of the Power Station	Auraiya 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	76,694.21	25071.57	25071.57	25071.57	25071.57	25071.57
4	Liquid Fuel Stock	2,617.64	38.84	38.84	38.84	38.84	38.84
5	O & M Expenses	1,285.01	1177.91	1235.14	1299.01	1361.77	1432.18
6	Maintenance Spares	4,626.05	4240.47	4446.51	4676.42	4902.37	5155.86
7	Receivables	1,21,772.92	80,395.81	80,381.10	80,075.00	80,275.02	80,618.60
8	Total Working Capital	206995.84	1,10,924.60	1,11,173.17	1,11,160.85	1,11,649.58	1,12,317.06
9	Rate of Interest	12.00%	11.90%	11.90%	11.90%	11.90%	11.90%
10	Interest on Working Capital	24,839.50	13,200.03	13,229.61	13,228.14	13,286.30	13,365.73

Petitioner

Summary of issue involved in the petition

Name of the Company :		NTPC Limited				
Name of the Power Station :		Auraiya Gas Power Station				
1	Petitioner:	NTPC Limited				
2	Subject: Determination of Tariff for 2024-29 period					
3	Prayer: i) Approve tariff of Auraiya Gas Power Station (663.36 MW) 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	Auraiya Gas Power Station				
	Capital Cost as on 01.04.2024	132455.95				
	Station CoD	01-04-1997				
	Claim	2019-20	2020-21	2021-22	2022-23	2023-24
	AFC (in Rs Lakh)	42,024.33	41,905.01	39,422.27	41,157.09	43,831.43
	Closing Capital cost (in Rs Lakh)	1,32,888.45	1,37,134.20	1,41,952.45	1,43,882.45	1,45,732.45
	Initial spare (in Rs Lakh)	N/A				
	NAPAF (Gen) (in %)	85				
	Any Specific					

OFFICE OF THE DEPUTY COMMANDANT
CENTRAL INDUSTRIAL SECURITY FORCE
(MINISTRY OF HOME AFFAIRS)

CISF Unit NTPC Dibiyaapur
Post: Alok nagar Dist : Auraiya
Dated: 31/12/2023

No.IC-17099/CISF/NTPC/Mgmt./CIW/2023-5403

To,
The Sr.Manager/ H
NTPC Dibiyaapur, Auraiya (U.P.)

Sub: Increasing of CCTV Cameras in Plant premises: REG

Kindly refer to DC CISF NTPC Dibiyaapur U.P. vide letter no. 42099/CISF/NTPC (D)/CIW/Mgmt.Corros./2022-1882 Dated-10.05.2022.

From the above mentioned letter no., a proposal was intimated to NTPC Management for enhancement of CCTV Camera in the NTPC premises for the betterment of security. Since, it has been long time and matter is yet to be completed. Hence, it is imperative to increase the no. of CCTV Camera in the entire NTPC premises.

Submitted for your kind consideration please.

Dy. Commandant
CISF UNIT NTPC DIBIYAPUR

olc
31/12/23

Copy to :

AGM/HR

NTPC Dibiyaapur, Auraiya (U.P.) :

For kind information plz.

F. No. Z-13025/12/2015-LRC
Government of India
Ministry of Labour and Employment

Shram Shakti Bhawan, New Delhi

Dated: 23rd March, 2018

OFFICE MEMORANDUM

Sub:- The draft Labour Code on Occupational Safety, Health and Working Conditions, 2018. – inviting comments/suggestions/inputs Reg.

The undersigned is directed to say that the Ministry of Labour & Employment has been taking steps for simplification, amalgamation and rationalization of Central Labour Laws which is also in tandem with recommendations of 2nd National Commission on Labour. The various existing Acts are being proposed to be subsumed in four major Labour Codes viz., Code on Wages, Code on Industrial Relations, Code of Social Security and Code on Occupational Safety, Health and Working Conditions.

2. Now, the Ministry has prepared a preliminary draft on Code on Occupational Safety, Health and Working Conditions, 2018, by amalgamating 13 labour laws relating to safety and health standards, health and working conditions, welfare provisions for the employees and leave and hours of work. The following Acts have been merged.

- (a) The Factories Act, 1948 (Act no. 63 of 1948)
- (b) The Mines Act, 1952 (Act no. 35 of 1952)
- (c) The Dock Workers (Safety, Health and Welfare) Act, 1986 (Act no. 54 of 1986)
- (d) The Building and Other Construction Workers (Regulation of Employment and Conditions of Service) Act, 1996 (Act No. 27 of 1996)
- (e) The Plantations Labour Act, 1951 (Act No. 69 of 1951)
- (f) The Contract Labour (Regulation and Abolition) Act, 1970
- (g) The Inter-State Migrant workmen (Regulation of Employment and Conditions of Service) Act, 1979
- (h) The Working Journalist and other News Paper Employees (Conditions of Service and Misc. Provision) Act, 1955
- (i) The Working Journalist (Fixation of rates of wages) Act, 1958
- (j) The Motor Transport Workers Act, 1961
- (k) Sales Promotion Employees (Condition of Service) Act, 1976

- (l) The Beedi and Cigar Workers (Conditions of Employment) Act, 1966
(m) The Cine Workers and Cinema Theatre Workers Act, 1981

3. Your specific inputs/suggestions are requested on the various aspects of the code including threshold/applicability, the registration/ licensing and processes there of, National/State Occupational Safety & Health Boards, the broad aspects on working and health conditions, safety standards, welfare measures, enforcement mechanism, penalties, rule making powers of the Central and State Governments and the various items incorporated in the three schedules.

4. The preliminary draft is enclosed for inviting comments/suggestions of the various stakeholders including general public. It is requested that the comments/suggestions to this Ministry by 22.04.2018 on the address, i.e. Under Secretary (LRC), Ministry of Labour & Employment, Room No. 17A, Shram Shakti Bhawan, Rafi Marg, New Delhi – 110 001 or through email: jk.singh68@nic.in. The suggestions/comments should be in the following format:

Format			
Section/Sub-section/Clause/Proviso of the code	Issue/problem identified in the relevant clause	Proposed change/correction that is suggested	Reason for the proposed change

(Anita Tripathi)
Deputy Secretary to the Government of India
Ph: 23711354

Encl: 65 pages of the Code

To
All stakeholders.



भारत का राजपत्र The Gazette of India

सी.जी.-डी.एल.-अ.-29092020-222112
CG-DL-E-29092020-222112

असाधारण

EXTRAORDINARY

भाग II — खण्ड 1

PART II — Section 1

प्राधिकार से प्रकाशित

PUBLISHED BY AUTHORITY

सं० 62] नई दिल्ली, मंगलवार, सितम्बर 29, 2020/आश्विन 7, 1942 (शक)
No. 62] NEW DELHI, TUESDAY, SEPTEMBER 29, 2020/ASVINA 7, 1942 (SAKA)

इस भाग में भिन्न पृष्ठ संख्या दी जाती है जिससे कि यह अलग संकलन के रूप में रखा जा सके।
Separate paging is given to this Part in order that it may be filed as a separate compilation.

MINISTRY OF LAW AND JUSTICE (Legislative Department)

New Delhi, the 29th September, 2020/Asvina 7, 1942 (Saka)

The following Act of Parliament received the assent of the President on the 28th September, 2020 and is hereby published for general information:—

THE OCCUPATIONAL SAFETY, HEALTH AND WORKING CONDITIONS CODE, 2020

No. 37 OF 2020

[28th September, 2020.]

An Act to consolidate and amend the laws regulating the occupational safety, health and working conditions of the persons employed in an establishment and for matters connected therewith or incidental thereto.

BE it enacted by Parliament in the Seventy-first Year of the Republic of India as follows:—

CHAPTER I

PRELIMINARY

1. (1) This Act may be called the Occupational Safety, Health and Working Conditions Code, 2020.

(2) It shall come into force on such date as the Central Government may, by notification appoint; and different dates may be appointed for different provisions of this Code and any reference in any such provision to the commencement of this Code shall be construed as a reference to the coming into force of that provision.

Short title,
commencement
and
application.

(3) It shall not apply to the offices of the Central Government, offices of the State Government and any ship of war of any nationality:

Provided that the Code shall apply in case of contract labour employed through contractor in the offices of the Central Government or in the offices of the State Government, where, the Central Government or, as the case may be, the State Government is the principal employer.

Definitions.

2. (1) In this Code, unless the context otherwise requires,—

(a) "adolescent" shall have the same meaning as assigned to it in clause (i) of section 2 of the Child and Adolescent Labour (Prohibition and Regulation) Act, 1986; 61 of 1986.

(b) "adult" means a person who has completed his eighteenth year of age;

(c) "agent" when used in relation to a mine, means every person, whether appointed as such or not, who, acting or purporting to act on behalf of the owner, takes part in the management, control, supervision or direction of such mine or of any part thereof;

(d) "appropriate Government" means—

(i) in relation to, establishments [other than those specified in sub-clause (ii)] carried on by or under the authority of the Central Government or concerning any such controlled industry as may be specified in this behalf by the Central Government or the establishment of railways including metro railways, mines, oil field, major ports, air transport service or telecommunication service, banking company or any insurance company (by whatever name called) established by a Central Act or a corporation or other authority established by a Central Act or a Central public sector undertaking or subsidiary companies set up by the Central public sector undertakings or autonomous bodies owned or controlled by the Central Government, including establishment of contractors for the purposes of such establishment, corporation or other authority, Central public sector undertakings, subsidiary companies or autonomous bodies, as the case may be, the Central Government:

Provided that in the case of Central Public Sector Undertakings the appropriate Government shall continue to be the Central Government even if the holding of the Central Government reduces to less than fifty per cent. equity of the Central Government in that Public Sector Undertakings after the commencement of this Code; and

(ii) in relation to a factory, motor transport undertaking, plantation, newspaper establishment and establishment relating to beedi and cigar including the establishments not specified in clause (i), the concerned State Government where it is situated.

Explanation.—For the removal of doubts it is hereby clarified that State Government shall be the appropriate Government in respect of occupational safety, health and working conditions in a factory situated in that State;

(e) "audio-visual production" means audio-visual produced wholly or partly in India and includes—

(i) animation, cartoon depiction, audio-visual advertisement;

(ii) digital production or any of the activities in respect of making thereof; and

(iii) features films, non-feature films, television, web-based serials, talk shows, reality shows and sport shows;

(f) "audio-visual worker" means a person, who is employed, directly or through any contractor, in or in connection with the audio-visual production to work as an

artist including actor, musician, singer, anchor, news reader, dancer, dubbing artist or stunt person or to do any work, skilled, unskilled, manual, supervisory, technical, artistic or otherwise, and his remuneration with respect to such employment in or in connection with the production of audio-visual does not exceed, where remuneration is by way of monthly wages or where such remuneration is by way of lump sum, in each case, such amount as may be notified by the Central Government;

10 of 1949. (g) "banking company" means a banking company as defined in clause (c) of section 5 of the Banking Regulation Act, 1949 and includes the Export-Import Bank of India, the Industrial Reconstruction Bank of India, the Small Industries Development Bank of India established under section 3 of the Small Industries Development Bank of India Act, 1989, the Reserve Bank of India, the State Bank of India, a corresponding new bank constituted under section 3 of the Banking Companies (Acquisition and Transfer of Undertakings) Act, 1970, a corresponding new bank constituted under section 3 of the Banking Companies (Acquisition and Transfer of Undertakings) Act, 1980;

(h) "building or other construction work" means the construction, alteration, repairs, maintenance or demolition in relation to buildings, streets, roads, railways, tramways, airfields, irrigation, drainage, embankment and navigation works, flood control works (including storm water drainage works), generation, transmission and distribution of power, water works (including channels for distribution of water), oil and gas installations, electric lines, internet towers, wireless, radio, television, telephone, telegraph and overseas communications, dams, canals, reservoirs, watercourses, tunnels, bridges, viaducts, aqua-ducts, pipelines, towers, cooling towers, transmission towers and such other work as may be specified in this behalf by the Central Government, by notification, but does not include building or other construction work which is related to any factory or mine and the building or other construction work where such work is for own residential purposes of an individual or group of individuals for their own residence and the total cost of such work does not exceed rupees fifty lakhs or such higher amount and employing more than such number of workers as may be notified by the appropriate Government;

(i) "building worker" means a person who is employed to do any highly skilled, skilled, semi-skilled or unskilled, manual, technical or clerical work for hire or reward, whether the terms of such employment are express or implied, in connection with any building or other construction work, but does not include any such person who is employed mainly in a managerial or supervisory or administrative capacity;

(j) "cargo" includes anything carried or to be carried in a ship or other vessel, or vehicle;

(k) "Chief Inspector-cum-Facilitator" means a Chief Inspector-cum-Facilitator appointed under sub-section (5) of section 34;

(l) "competent person", means a person or an institution recognised as such by the Chief Inspector-cum-Facilitator for the purposes of carrying out tests, examinations and inspections required to be done in an establishment having regard to—

(i) the qualifications and experience of the person and facilities available at his disposal; or

(ii) the qualifications and experience of the persons employed in such institution and facilities available therein:

Provided that in case of mines the competent person includes such other person who is authorised by the manager referred to in section 67 to supervise or perform any work, or to supervise the operation of machinery, plant or equipment and is responsible for such duties assigned to him and also includes a shot firer or blaster;

(*m*) "contract labour" means a worker who shall be deemed to be employed in or in connection with the work of an establishment when he is hired in or in connection with such work by or through a contractor, with or without the knowledge of the principal employer and includes inter-State migrant worker but does not include a worker (other than part time employee) who is regularly employed by the contractor for any activity of his establishment and his employment is governed by mutually accepted standards of the conditions of employment (including engagement on permanent basis), and gets periodical increment in the pay, social security coverage and other welfare benefits in accordance with the law for the time being in force in such employment;

(*n*) "contractor", in relation to an establishment, means a person, who—

(*i*) undertakes to produce a given result for the establishment, other than a mere supply of goods or articles of manufacture to such establishment, through contract labour; or

(*ii*) supplies contract labour for any work of the establishment as mere human resource,

and includes a sub-contractor;

(*o*) "controlled industry" means any industry the control of which by the Central Government has been declared under any Central Act in the public interest;

(*p*) "core activity of an establishment" means any activity for which the establishment is set up and includes any activity which is essential or necessary to such activity:

Provided that the following shall not be considered as essential or necessary activity, if the establishment is not set up for such activity, namely:—

(*i*) sanitation works, including sweeping, cleaning, dusting and collection and disposal of all kinds of waste;

(*ii*) watch and ward services including security services;

(*iii*) canteen and catering services;

(*iv*) loading and unloading operations;

(*v*) running of hospitals, educational and training Institutions, guest houses, clubs and the like where they are in the nature of support services of an establishment;

(*vi*) courier services which are in nature of support services of an establishment;

(*vii*) civil and other constructional works, including maintenance;

(*viii*) gardening and maintenance of lawns and other like activities;

(*ix*) housekeeping and laundry services, and other like activities, where these are in nature of support services of an establishment;

(*x*) transport services including, ambulance services;

(*xi*) any activity of intermittent nature even if that constitutes a core activity of an establishment;

(*q*) "day" means a period of twenty-four hours beginning at mid-night;

(*r*) "District Magistrate", in relation to any mine, means the District Magistrate or the Deputy Commissioner, as the case may be, who is vested with the executive powers of maintaining law and order in the revenue district in which the mine is situated:

Provided that in case of a mine, which is situated partly in one district and partly in another, the District Magistrate for the purpose shall be the District Magistrate authorised in this behalf by the Central Government;

(s) "dock work" means any work in or within the vicinity of any port in connection with, or required for, or incidental to, the loading, unloading, movement or storage of cargoes into or from ship or other vessel, port, dock, storage place or landing place, and includes—

(i) work in connection with the preparation of ships or other vessels for receipt or discharge of cargoes or leaving port;

(ii) all repairing and maintenance processes connected with any hold, tank structure or lifting machinery or any other storage area on board the ship or in the docks; and

(iii) chipping, painting or cleaning of any hold, tank, structure or lifting machinery or any other storage area on board the ship or in the docks;

(t) "employee" means,—

(i) in respect of an establishment, a person (other than an apprentice engaged under the Apprentices Act, 1961) employed on wages by an establishment to do any skilled, semi-skilled, unskilled, manual, operational, supervisory, managerial, administrative, technical, clerical or any other work, whether the terms of employment be express or implied; and

(ii) a person declared to be an employee by the appropriate Government, but does not include any member of the Armed Forces of the Union:

Provided that notwithstanding anything contained in this clause, in case of a mine a person is said to be "employed" in a mine who works as the manager or who works under appointment by the owner, agent or manager of the mine or with the knowledge of the manager, whether for wages or not—

(a) in any mining operation (including the concomitant operations of handling and transport of minerals up to the point of dispatch and of gathering sand and transport thereof to the mine);

(b) in operations or services relating to the development of the mine including construction of plant therein but excluding construction of buildings, roads, wells and any building work not directly connected with any existing or future mining operations;

(c) in operating, servicing, maintaining or repairing any part of any machinery used in or about the mine;

(d) in operations, within the premises of the mine, of loading for dispatch of minerals;

(e) in any office of mine;

(f) in any welfare, health, sanitary or conservancy services required to be provided under this Code relating to mine, or watch and ward, within the premises of the mine excluding residential area; or

(g) in any kind of work, whatsoever, which is preparatory or incidental to, or connected with, mining operations;

(u) "employer" means a person who employs, whether directly or through any person, or on his behalf, or on behalf of any person, one or more employees in his establishment and where the establishment is carried on by any Department of the Central Government or the State Government, the authority specified, by the head of

such Department, in this behalf or where no authority, is so specified, the head of the Department and in relation to an establishment carried on by a local authority, the Chief Executive of that authority, and includes,—

(i) in relation to an establishment which is a factory, the occupier of the factory;

(ii) in relation to mine, the owner of the mine, agent or manager referred to in section 67;

(iii) in relation to any other establishment, the person who, or the authority which has ultimate control over the affairs of the establishment and where said affairs are entrusted to a manager or managing director, such manager or managing director;

(iv) contractor; and

(v) legal representative of a deceased employer;

(v) "establishment" means—

(i) a place where any industry, trade, business, manufacturing or occupation is carried on in which ten or more workers are employed; or

(ii) motor transport undertaking, newspaper establishment, audio-video production, building and other construction work or plantation, in which ten or more workers are employed; or

(iii) factory, for the purpose of Chapter II, in which ten or more workers are employed, notwithstanding the threshold of workers provided in clause (w); or

(iv) a mine or port or vicinity of port where dock work is carried out:

Provided that in sub-clauses (i) and (ii), the threshold of worker specified therein shall not be applicable in case of such establishment or class of establishments, in which such hazardous or life threatening activity is being carried on, as may be notified by the Central Government:

Provided further that notwithstanding any threshold provided in the definition of factory in clause (w), for the purposes of Chapter II, the establishment specified in sub-clause (i) or sub-clause (ii) or sub-clause (iii) shall be deemed to be the establishment within the meaning of this clause though the number of employees employed are ten or more;

(w) "factory" means any premises including the precincts thereof—

(i) whereon twenty or more workers are working, or were working on any day of the preceding twelve months, and in any part of which a manufacturing process is being carried on with the aid of power, or is ordinarily so carried on; or

(ii) whereon forty or more workers are working, or were working on any day of the preceding twelve months, and in any part of which a manufacturing process is being carried on without the aid of power, or is ordinarily so carried on,

but does not include a mobile unit belonging to the armed forces of the Union, railways running shed or a hotel, restaurant or eating place:

Provided that where under any law for the time being in force in a State immediately before the commencement of this Code, the number of workers specified is more or less than the number specified in clause (i) or clause (ii), then, the number specified under the law of the State shall prevail in that State till it is amended by the competent Legislature.

Explanation I.—For computing the number of workers for the purposes of this clause all the workers (in different groups and relays) in a day shall be taken into account.

Explanation II.—For the purposes of this clause, the mere fact that an Electronic Data Processing Unit or a Computer Unit is installed in any premises or part thereof, shall not be construed as factory if no manufacturing process is being carried on in such premises or part thereof;

(x) "family", when used in relation to a worker, means—

(i) spouse;

(ii) children including adopted children of the worker who are dependent upon him and have not completed the age of eighteen years; and

(iii) parents, grand-parents, widowed daughter and widowed sister dependent upon such worker.

Explanation.—For the purposes of this clause, such dependents shall not be included who are, for the time being, getting such income from such sources, as may be prescribed by the appropriate Government;

(y) "godown" means any warehouse or other place, by whatever name called, used for the storage of any article or substance required for any manufacturing process which means any process for, or incidental to, making, finishing or packing or otherwise treating any article or substance with a view to its use, sale, transport, delivery or disposal as finished products;

(z) "hazardous" means involving danger or potential danger;

(za) "hazardous process" means any process or activity in relation to an industry or plantation specified in the First Schedule where, unless special care is taken, raw materials used therein or the intermediate or finished products, bye-products, hazardous substances, wastes or effluents thereof or spraying of any pesticides, insecticides or chemicals used therein, as the case may be, would—

(i) cause material impairment to the health of the persons engaged in or connected therewith, or

(ii) result in the pollution of the general environment;

(zb) "hazardous substance" means any substance or such quantity of the substance as may be prescribed by the appropriate Government or preparation of which by reason of its chemical or physio-chemical properties or handling is liable to cause physical or health hazards to human being or may cause harm to other living creatures, plants, micro-organisms, property or the environment;

(zc) "industrial premises" means any place or premises (not being a private dwelling house), including the precincts thereof, in which or in any part of which any industry, trade, business, occupation or manufacturing is being ordinarily carried on with or without the aid of power and includes a godown attached thereto;

(zd) "industry" means any systematic activity carried on by co-operation between an employer and worker (whether such worker is employed by such employer directly or by or through any agency, including a contractor) for the production, supply or distribution of goods or services with a view to satisfy human wants or wishes (not being wants or wishes which are merely spiritual or religious in nature), whether or not,—

(i) any capital has been invested for the purpose of carrying on such activity; or

(ii) such activity is carried on with a motive to make any gain or profit, but does not include—

(a) institutions owned or managed by organisations wholly or substantially engaged in any charitable, social or philanthropic services; or

(b) any activity of the appropriate Government relating to the sovereign functions of the appropriate Government including all the activities carried on by the Departments of the Central Government dealing with defence research, atomic energy and space; or

(c) any domestic service; or

(d) any other activity as may be notified by the Central Government;

(ze) "Inspector-cum-Facilitator" means an Inspector-cum-Facilitator appointed under sub-section (1) of section 34;

(zf) "inter-State migrant worker" means a person who is employed in an establishment and who—

(i) has been recruited directly by the employer or indirectly through contractor in one State for employment in such establishment situated in another State; or

(ii) has come on his own from one State and obtained employment in an establishment of another State (hereinafter called destination State) or has subsequently changed the establishment within the destination State,

under an agreement or other arrangement for such employment and draws wages not exceeding the amount of rupees eighteen thousand per month or such higher amount as may be notified by the Central Government from time to time;

(zg) "machinery" means any article or combination of articles assembled, arranged or connected and which is used or intended to be used for converting any form of energy to perform work, or which is used or intended to be used, whether incidental thereto or not, for developing, receiving, storing, containing, confining, transforming, transmitting, transferring or controlling any form of energy;

(zh) "major port" means a major port as defined in clause (8) of section 3 of the Indian Ports Act, 1908;

15 of 1908.

(zi) "manufacturing process" means any process for—

(i) making, altering, repairing, ornamenting, finishing, packing, oiling, washing, cleaning, breaking up, demolishing, or otherwise treating or adapting any article or substance with a view to its use, sale, transport, delivery or disposal; or

(ii) pumping oil, water, sewage or any other substance; or

(iii) generating, transforming or transmitting power; or

(iv) composing, printing, printing by letter press, lithography, offset, photogravure screen printing, three Dimensional or four Dimensional printing, prototyping, flexography or other types of printing process or book binding; or

(v) constructing, reconstructing, repairing, refitting, finishing or breaking up ships or vessels; or

(vi) preserving or storing any article in cold storage; or

(vii) such other processes as the Central Government may notify;

(zj) "medical officer" means the medical officer appointed under sub-section (I) of section 42;

60 of 2002.

(zk) "metro railway" means the metro railway as defined in sub-clause (i) of clause (I) of section 2 of the Metro Railways (Operation and Maintenance) Act, 2002;

(zl) "mine" means any excavation where any operation for the purpose of searching for or obtaining minerals has been or is being carried on and includes—

(i) all borings, bore holes, oil wells and accessory crude conditioning plants, including the pipe conveying mineral oil within the oilfields;

(ii) all shafts, in or adjacent to and belonging to a mine, whether in the course of being sunk or not;

(iii) all levels and inclined planes in the course of being driven;

(iv) all open cast workings;

(v) all conveyors or aerial ropeways provided for bringing into or removal from a mine of minerals or other articles or for the removal of refuse therefrom;

(vi) all adits, levels, planes, machinery, works, railways, tramways and sidings in or adjacent to and belonging to a mine;

(vii) all protective works being carried out in or adjacent to a mine;

(viii) all workshops and stores situated within the precincts of a mine and under the same management and used primarily for the purposes connected with that mine or a number of mines under the same management;

(ix) all power stations, transformer sub-stations, converter stations, rectifier stations and accumulator storage stations for supplying electricity solely or mainly for the purpose of working the mine or a number of mines under the same management;

(x) any premises for the time being used for depositing sand or other material for use in a mine or for depositing refuse from a mine or in which any operations in connection with such sand refuse or other material is being carried on, being premises exclusively occupied by the owner of the mine;

(xi) any premises in or adjacent to and belonging to a mine on which any process ancillary to the getting, dressing or preparation for sale of minerals or coke is being carried on;

(xii) a mine owned by the Government;

(zm) "minerals" means all substances which can be obtained from the earth by mining, digging, drilling, dredging, hydraulicizing, quarrying or by any other operation and includes mineral oils (such as natural gas and petroleum);

(zn) "motor transport undertaking" means a motor transport undertaking employing motor transport worker and engaged in carrying passengers or goods or both by road for hire or reward, and includes a private carrier;

(zo) "motor transport worker" means a person who is employed in a motor transport undertaking directly or through an agency, whether for wages or not, to work in a professional capacity on a transport vehicle or to attend the duties in connection with the arrival, departure, loading or unloading of such transport vehicle and includes a driver, conductor, cleaner, station staff, line checking staff, booking clerk, cash clerk, depot clerk, time-keeper, watchman or attendant, but does not include any such person—

(i) who is employed in a factory;

(ii) to whom the provisions of any other law for the time being in force regulating the conditions of service of persons employed in shops or commercial establishments apply;

(zp) "newspaper" means any printed periodical work containing public news or comments on public news and includes such other class of printed periodical work as may, from time to time, be notified in this behalf by the Central Government;

(zq) "newspaper establishment" means an establishment under the control of any person or body of persons, whether incorporated or not, for the production or publication of one or more newspapers or for conducting any news agency or syndicate and includes following newspaper establishments which shall be deemed to be one establishment, namely:—

(i) two or more newspaper establishments under common control;

(ii) two or more newspaper establishments owned by an individual and his or her spouse unless it is shown that such spouse is a sole proprietor or partner or a shareholder of a corporate body on the basis of his or her own individual funds;

(iii) two or more newspaper establishments publishing newspapers bearing the same or similar title and in the same language in any place in India or bearing the same or similar title but in different languages in the same State or Union territory.

Explanation 1.—For the purposes of sub-clause (i) two or more establishments shall be deemed to be under common control where—

(a) (i) the newspaper establishments are owned by a common individual or individuals;

(ii) the newspaper establishments are owned by firms, if such firms have a substantial number of common partners;

(iii) the newspaper establishments are owned by bodies corporate, if one body corporate is a subsidiary of the other body corporate, or both are subsidiaries of a common holding company or a substantial number of their equity shares are owned by the same person or group of persons, whether incorporated or not;

(iv) one establishment is owned by a body corporate and the other is owned by a firm, if a substantial number of partners of the firm together hold a substantial number of equity shares of the body corporate;

(v) one is owned by a body corporate and the other is owned by a firm having bodies corporate as its partners if a substantial number of equity shares of such bodies corporate are owned, directly or indirectly, by the same person or group of persons, whether incorporated or not, or

(b) there is functional integrality between concerned newspaper establishments.

Explanation 2.—For the purposes of this clause,—

(i) different departments, branches and centres of newspaper establishments shall be treated as parts thereof;

(ii) a printing press shall be deemed to be a newspaper establishment if the principal business thereof is to print newspaper;

(zr) "notification" means a notification published in the Gazette of India or the Official Gazette of a State, as the case may be, and the expression "notify" with its grammatical variations and cognate expressions shall be construed accordingly;

(zs) "occupier" of a factory means the person who has ultimate control over the affairs of the factory:

Provided that—

(i) in the case of a firm or other association of individuals, any one of the individual partners or members thereof;

(ii) in the case of a company, any one of the directors, except any independent director within the meaning of sub-section (6) of section 149 of the Companies Act, 2013;

(iii) in the case of a factory owned or controlled by the Central Government or any State Government, or any local authority, the person or persons appointed to manage the affairs of the factory by the Central Government, the State Government or the local authority or such other authority as may be prescribed by the Central Government,

shall be deemed to be the occupier:

Provided further that in the case of a ship which is being repaired, or on which maintenance work is being carried out, in a dry dock which is available for hire, the owner of the dock shall be deemed to be the occupier for all purposes except the matters as may be prescribed by the Central Government which are directly related to the condition of ship for which the owner of ship shall be deemed to be the occupier;

(zt) "office of the mine" means an office at the surface of the mine concerned;

(zu) "open cast working" means a quarry, that is to say, an excavation where any operation for the purpose of searching for or obtaining minerals has been or is being carried on, not being a shaft or an excavation which extends below superjacent ground;

(zv) "ordinarily employed" with reference to any establishment or part thereof, means the average number of persons employed per day in the establishment or part thereof during the preceding calendar year obtained by dividing the number of man days worked by the number of working days excluding rest days and other non-working days;

(zw) "owner", in relation to a mine, means any person who is the immediate proprietor or lessee or occupier of the mine or of any part thereof and in case of a mine the business whereof is being carried on by a liquidator or receiver, such liquidator or receiver; but does not include a person who merely receives a royalty, rent or fine from the mine, or is merely the proprietor of the mine, subject to any lease grant or licence for the working thereof, or is merely the owner of the soil and not interested in the minerals of the mine; but any contractor or sub-lessee for the working of a mine or any part thereof shall be subject to this Code in like manner as if he were an owner but not so as to exempt the former from any liability;

(zx) "plantation" means—

(a) any land used or intended to be used for—

(i) growing tea, coffee, rubber, cinchona or cardamom which admeasures five hectares or more;

(ii) growing any other plant, which admeasures five hectares or more and in which persons are employed or were employed on any day of the preceding twelve months, if, after obtaining the approval of the Central Government, the State Government, by notification, so directs.

Explanation.—Where any piece of land used for growing any plant referred to in this sub-clause admeasures less than five hectares and is

contiguous to any other piece of land not being so used, but capable of being so used, and both such pieces of land are under the management of the same employer, then, for the purposes of this sub-clause, the former piece of land shall be deemed to be a plantation, if the total area of both such pieces of land admeasures five hectares or more; and

(b) any land which the State Government may, by notification, declare and which is used or intended to be used for growing any plant referred to in sub-clause (a), notwithstanding that it admeasures less than five hectares:

Provided that no such declaration shall be made in respect of such land which admeasures less than five hectares immediately before the commencement of this Code; and

(c) offices, hospitals, dispensaries, schools and any other premises used for any purpose connected with any plantation within the meaning of sub-clause (a) and sub-clause (b); but does not include factory on the premises;

(zy) "prescribed" means prescribed by rules made by the appropriate Government under this Code;

(zz) "principal employer", where the contract labour is employed or engaged, means—

(i) in relation to any office or Department of the Government or a local authority, the head of that office or Department or such other officer as the Government or the local authority, may specify in this behalf;

(ii) in a factory, the owner or occupier of the factory and where a person has been named as the manager of the factory, the person so named;

(iii) in a mine, the owner or agent of the mine;

(iv) in relation to any other establishment, any person responsible for the supervision and control of the establishment;

(zza) "producer", in relation to audio-visual production, means the company, firm or other person by whom the arrangements necessary for producing such audio-visual (including the raising of finances and engaging audio-visual workers for producing audio-visual) are undertaken.

Explanation.—For the purposes of this clause, the expressions "company" and "firm" have the same meaning as respectively assigned to them in the Companies Act, 2013 and the Indian Partnership Act, 1932;

18 of 2013.
9 of 1932.

(zzb) "qualified medical practitioner" means a medical practitioner who possesses any recognised medical qualification as defined in clause (i) of section 2 of the Indian Medical Council Act, 1956 and who is enrolled on a Indian Medical Register as defined in clause (e) and on a State Medical Register as defined in clause (l) of the said section;

102 of 1956.

(zzc) "railway" means the railway as defined in clause (31) of section 2 of the Railways Act, 1989;

24 of 1989.

(zzd) "relay" means a set of two or more persons carrying out the same kind of work during different periods of the day and each such period is called a "shift";

(zze) "sales promotion employees" means any person by whatever name called employed or engaged in any establishment for hire or reward to do any work relating to promotion of sales or business, or both, but does not include any such person who,—

(i) being employed or engaged in a supervisory capacity, draws wages exceeding eighteen thousand rupees per mensem or an amount as may be notified by the Central Government from time to time; or

(ii) is employed or engaged mainly in a managerial or administrative capacity.

(zzf) "Schedule" means the Schedule appended to this Code;

(zzg) "serious bodily injury" means any injury which involves, or in all probability will involve, the permanent loss of any part or section of a body or the use of any part or section of a body, or the permanent loss of or injury to the sight or hearing or any permanent physical incapacity or the fracture of any bone or one or more joints or bones of any phalanges of hand or foot;

(zzh) "standards", "regulations", "rules", "bye-laws" and "orders" respectively means standards, regulations, rules, bye-laws and orders made or declared, as the case may be, under this Code;

(zzi) "telecommunication service" means the telecommunication service as defined in clause (k) of sub-section (1) of section 2 of the Telecom Regulatory Authority of India Act, 1997;

24 of 1997.

(zzj) "wages" means all remuneration whether by way of salaries, allowances or otherwise, expressed in terms of money or capable of being so expressed which would, if the terms of employment, express or implied, were fulfilled, be payable to a person employed in respect of his employment or of work done in such employment, and includes,—

(i) basic pay;

(ii) dearness allowance; and

(iii) retaining allowance, if any,

but does not include—

(a) any bonus payable under any law for the time being in force, which does not form part of the remuneration payable under the terms of employment;

(b) the value of any house-accommodation, or of the supply of light, water, medical attendance or other amenity or of any service excluded from the computation of wages by a general or special order of the appropriate Government;

(c) any contribution paid by the employer to any pension or provident fund, and the interest which may have accrued thereon;

(d) any conveyance allowance or the value of any travelling concession;

(e) any sum paid to the employed person to defray special expenses entailed on him by the nature of his employment;

(f) house rent allowance;

(g) remuneration payable under any award or settlement between the parties or order of a court or Tribunal;

(h) any overtime allowance;

(i) any commission payable to the employee;

(j) any gratuity payable on the termination of employment;

(k) any retrenchment compensation or other retirement benefit payable to the employee or any *ex gratia* payment made to him on the termination of employment;

Provided that, for calculating the wages under this clause, if payments made by the employer to the employee under sub-clauses (a) to (i) exceeds

one-half, or such other per cent. as may be notified by the Central Government, of the all remuneration calculated under this clause, the amount which exceeds such one-half, or the per cent. so notified, shall be deemed as remuneration and shall be accordingly added in wages under this clause:

Provided further that for the purpose of equal wages to all genders and for the purpose of payment of wages, the emoluments specified in sub-clauses (d), (f), (g) and (h) shall be taken for computation of wages.

Explanation.—Where an employee is given in lieu of the whole or part of the wages payable to him, any remuneration in kind by his employer, the value of such remuneration in kind which does not exceed fifteen per cent. of the total wages payable to him, shall be deemed to form part of the wages of such employee;

(zzk) "week" means a period of seven days beginning at midnight on Saturday night or such other night as may be approved in writing for a particular area by the Chief Inspector-cum-Facilitator;

(zzl) "worker" means any person employed in any establishment to do any manual, unskilled, skilled, technical, operational, clerical or supervisory work for hire or reward, whether the terms of employment be express or implied, and includes working journalists and sales promotion employees, but does not include any such person—

(i) who is subject to the Air Force Act, 1950, or the Army Act, 1950, or the Navy Act, 1957; or

45 of 1950.
46 of 1950.
62 of 1957.

(ii) who is employed in the police service or as an officer or other employee of a prison; or

(iii) who is employed mainly in a managerial or administrative capacity; or

(iv) who is employed in a supervisory capacity drawing wage exceeding eighteen thousand rupees per month or an amount as may be notified by the Central Government from time to time;

(zzm) "Working Journalist" means a person whose principal avocation is that of a journalist and who is employed as such, either whole-time or part-time, in, or in relation to, one or more newspaper establishment, or other establishment relating to any electronic media or digital media such as newspaper or radio or other likemedia and includes an editor, a leader-writer, news editor, sub-editor, feature-writer, copy-tester, reporter, correspondent, cartoonist, news-photographer and proof-reader, but does not include any such person who is employed mainly in a managerial, supervisory or administrative capacity;

(2) For the purposes of this Code, a person working or employed in or in connection with mine is said to be working or employed—

(a) "below ground" if he is working or employed—

(i) in a shaft which has been or is in the course being sunk; or

(ii) in any excavation which extends below superjacent ground; and

(b) "above ground" if he is working in an opencast working or in any other manner not specified in clause (a).

CHAPTER II

REGISTRATION

3. (1) Every employer of any establishment,—

- (a) which comes into existence after the commencement of this Code; and
- (b) to which this Code shall apply,

Registration
of certain
establishments.

shall, within sixty days from the date of such applicability of this Code, make an application electronically to the registering officer appointed by the appropriate Government (hereinafter referred to as the registering officer) for the registration of such establishment:

Provided that the registering officer may entertain any such application for registration after the expiry of such period on payment of such late fees as may be prescribed by the appropriate Government.

(2) Every application under sub-section (1) shall be submitted to the registering officer in such manner, in such form, containing such particulars including the information relating to the employment of inter-State migrant workers and shall be accompanied by such fees as may be prescribed by the appropriate Government.

(3) After the receipt of an application under sub-section (1), the registering officer shall register the establishment and issue a certificate of registration electronically to the employer thereof in such form and within such time and subject to such conditions as may be prescribed by the Central Government:

Provided that if the registering officer fails to register an establishment under the application so made or to entertain the application within the prescribed period, then, such establishment shall be deemed to have been registered under this Code immediately on the expiration of such period and the electronic certificate of registration shall be auto generated and the responsibility of such failure shall be on the registering officer.

(4) Any change in the ownership or management or in any particulars referred to in sub-section (2) which occurs after the registration of an establishment under this Code, shall be intimated by the employer electronically to the registering officer within thirty days of such change in such form as may be prescribed by the Central Government and thereafter the registering officer shall make amendment in the certificate of registration electronically in such manner as may be prescribed by the Central Government.

(5) The employer of an establishment shall, within thirty days of the closing of the establishment—

- (a) inform the closing of such establishment; and
- (b) certify payment of all dues to the workers employed in such establishment,

to the registering officer in such manner as may be prescribed by the Central Government and the registering officer shall, on receiving such information and certificate remove such establishment from the register of establishments maintained by him and cancel the registration certificate of the establishment within sixty days from the receipt of such information :

Provided that if the registering officer fails to cancel the registration certification of the establishment under this sub-section within such sixty days, then, the registration certificate of such establishment shall be deemed to have been cancelled under this Code immediately on the expiration of such period of sixty days and the cancellation of registration certificate shall be auto generated and the responsibility of such failure shall be on the registering officer.

(6) If an employer of an establishment—

- (a) has obtained the registration of his establishment by misrepresentation or suppression of any material fact, or

(b) has obtained the registration of his establishment so fraudulently or otherwise that the registration has become useless or ineffective to run the establishment,

then, in case of clause (a) such misrepresentation or suppression of any material fact shall be deemed to be the contravention of the provisions of this Code for prosecution of the employer under section 94 without affecting the registration and running of the establishment and in case of clause (b) the registering officer may, after giving an opportunity to the employer of the establishment to be heard, revoke the registration by an order and such process for revocation shall be completed by the registering officer within sixty days from coming into his notice the facts specified in clause (b).

(7) No employer of an establishment who—

(a) has not registered the establishment under this section; or

(b) has not preferred appeal under section 4 against the cancellation of the registration certificate of the establishment under sub-section (5) or revocation of the registration of the establishment under sub-section (6) or the appeal so preferred has been dismissed,

shall employ any employee in the establishment.

(8) Notwithstanding anything contained in this Code, where any establishment, to which this Code applies, has already been registered under any—

(a) Central Labour law; or

(b) any other law which may be notified by the Central Government and which applies to the establishment which is in existence at the time of the commencement of this Code,

shall be deemed to have been registered under the provisions of this Code, subject to the condition that the registration holder provides the details of registration to the concerned registering officer within such time and in such form as may be prescribed.

Appeal.

4. (1) Any person aggrieved by an order made under section 3 may, within thirty days from the date on which the order is communicated to him, prefer an appeal to an appellate officer who shall be a person notified in this behalf by the appropriate Government:

Provided that the appellate officer may entertain the appeal after the expiry of the said period of thirty days, if he is satisfied that the appellant was prevented by sufficient cause from filing the appeal in time.

(2) On receipt of an appeal under sub-section (1), the appellate officer shall, after giving the appellant an opportunity of being heard, dispose of the appeal within a period of thirty days from the date of receipt of such appeal.

Notice by employer of commencement and cessation of operation.

5. (1) No employer of an establishment being factory or mine or relating to contract labour or building or other construction work shall use such establishment to commence the operation of any industry, trade, business, manufacturing or occupation thereon without sending notice of such purpose in such form and manner and to such authority and within such time as may be prescribed and shall also intimate the cessation thereof to the said authority in such manner as may be prescribed by the appropriate Government.

(2) The notice or intimation under sub-section (1) shall be given electronically.

CHAPTER III

DUTIES OF EMPLOYER AND EMPLOYEES, ETC.

Duties of employer.

6. (1) Every employer shall,—

(a) ensure that workplace is free from hazards which cause or are likely to cause injury or occupational disease to the employees;

(b) comply with the occupational safety and health standards declared under section 18 or the rules, regulations, bye-laws or orders made under this Code;

(c) provide such annual health examination or test free of costs to such employees of such age or such class of employees of establishments or such class of establishments, as may be prescribed by the appropriate Government;

(d) provide and maintain, as far as is reasonably practicable, a working environment that is safe and without risk to the health of the employees;

(e) ensure the disposal of hazardous and toxic waste including disposal of e-waste;

(f) issue a letter of appointment to every employee on his appointment in the establishment, with such information and in such form as may be prescribed by the appropriate Government and where an employee has not been issued such appointment letter on or before the commencement of this Code, he shall, within three months of such commencement, be issued such appointment letter;

(g) ensure that no charge is levied on any employee, in respect of anything done or provided for maintenance of safety and health at workplace including conduct of medical examination and investigation for the purpose of detecting occupational diseases;

(h) relating to factory, mine, dock work, building or other construction work or plantation, ensure and be responsible for the safety and health of employees, workers and other persons who are on the work premises of the employer, with or without his knowledge, as the case may be.

(2) Without prejudice to the generality of the provisions of sub-section (1), the duties of an employer shall particularly in respect of factory, mines, dock, building or other construction work or plantation include—

(a) the provision and maintenance of plant and systems of work in the workplace that are safe and without risk to health;

(b) the arrangements in the workplace for ensuring safety and absence of risk to health in connection with the use, handling, storage and transport of articles and substances;

(c) the provision of such information, instruction, training and supervision as are necessary to ensure the health and safety of all employees at work;

(d) the maintenance of all places of work in the workplace in a condition that is safe and without risk to health and the provision and maintenance of such means of access to, and egress from, such places as are safe and without such risk;

(e) the provision, maintenance or monitoring of such working environment in the workplace for the employees that is safe, without risk to health as regards facilities and arrangements for their welfare at work.

7. (1) The owner and agent of every mine shall jointly and severally be responsible for making financial and other provisions and for taking such other steps as may be necessary for compliance with the provisions of this Code and the rules, regulations, bye-laws and orders made thereunder, relating to mine.

Duties and responsibilities of owner, agent and manager in relation to mine.

(2) In the event of any contravention by any person whosoever of any of the provisions of this Code or of the rules, regulations, bye-laws or orders made thereunder, relating to mine, except those which specifically require any person to do any act or thing or prohibit any person from doing an act or thing, besides the person who contravenes, then, each of the following persons shall also be deemed to be guilty of such contravention unless he



NATIONAL DISASTER MANAGEMENT GUIDELINES

CHEMICAL DISASTERS



April 2007



NATIONAL DISASTER MANAGEMENT AUTHORITY
GOVERNMENT OF INDIA

5 Guidelines for Industrial (Chemical) Installations and Storages

5.1 Industrial (Chemical) Installations

A prime area of concern is the strengthening of the industrial systems for the prevention and management of chemical accidents. Such provisions shall be established to continuously re-engineer (improve and upgrade) the system. As a part of government policy, it is envisaged that the present regulatory inspection and monitoring framework will evolve measures to encourage self-regulation, public consultation and PPP. These activities would develop credibility at all levels.

The important guidelines are listed below:

5.1.1 Good Engineering for Safety

This is applicable for the prevention and minimisation of all disasters—both man-made and natural. In the context of industrial disasters, good engineering is the first step in achieving safety. The setting up of new industries by an occupier shall be done in consultation with the state inspectorate, considering all parameters including geographical, seismological, demographic and environmental factors. The process engineering and control including detailed evaluation at the design stage are essential inputs for safety.

Engineering methods to control hazards include:

- i) Change of processes: to shift to less hazardous processes.
- ii) Change of material: to shift to less hazardous material.
- iii) Change of equipment: to replace machinery before the expiry of residual life.

- iv) Detailed engineering of each equipment under requirement, capacity, specifications and regular maintenance of history sheets for fault analysis.
- v) Regular testing of critical equipment/storage vessels through non-destructive testing (radiography, thickness survey, hydraulic testing etc.).
- vi) Isolation and enclosures: Storages will be isolated and enclosed to minimise the impact of weather conditions (heat radiation, thermal and cryogenic stresses) and will be directly connected to containment including Waste Air Destruction (WAD) systems.
- vii) Hazard and Operability Study (HAZOP) and Hazard Analysis (HAZAN) studies for early identification of hazards; regular structural audit.
- viii) Management Information System (MIS) is a significant area for monitoring at the management level. It is divided into three categories:
 - a. Checking normal day-to-day operations; compliance of statutory requirements; monitoring reports; and reporting of exceptions to the top management.
 - b. This deals with emergency control systems (chemicals and fire contingency plans), training and retraining of employees, transporters, drivers and cleaners, stockists, distributors, retailers, community

- leaders, consumers, first responders—the police, fire services, home guards, civil defence, NDRF, SDRF and medics/paramedics. This also covers HAZOP/HAZAN studies, regular appraisal and updating.
- c. Provision, maintenance and regular upgrading of safety including PPE; maintenance of daily check charts of PPE, work permit system (including stoppage, start-up chemical manufacturing/storage equipment hardware).

5.1.2 Accident Reporting, Investigation and Analysis

- i) The basic concept is the 'Principles of Examination'. The examination will aim at identification of operational difficulties, fault in design, and inspection procedures after an accident.
- ii) There is a need to synthesise a prediction model that can spot problems/difficulties prospectively as well as retrospectively.
- iii) To identify principal causes of accidents or near misses.
- iv) To identify deficiencies in the process/operation/hardware/instrumentation.
- v) To find out and critically evaluate unsafe practises requiring correction.
- vi) To find out and finalise needs for engineering revision.

5.1.3 Safety Promotional Activities

Accident prevention needs proactive and reactive participation of all activities like:

- i) Installation of sensors and monitors, their regular maintenance and calibration at the plant perimeter to trigger alarms to the plant personnel as well as public.

- ii) Safety competitions, exhibitions, film/video shows, seminars, debates.
- iii) Celebration of Safety Day/Week.
- iv) Safety hoardings at strategic points.
- v) Frequent visit to other model industries.
- vi) Institution of chemical safety award system.

5.1.4 Other Areas of Attention

Efficacy of safety systems shall be checked daily and listed with special emphasis on the following:

- i. Provisions of two-to-three tier safety.
- ii. Early-warning system.
- iii. Two-to-three tier power back-up system for safety of equipment/provision.
- iv. Start-up and shutdown procedures.
- v. Daily exceptional reporting for top management based on status of full preparedness/compliance according to latest internal safety audit; internal audit highlights; high accident potential jobs, actions or conditions to be dealt on priority basis. The audit shall indicate shortfalls according to accident potential.
- vi. Best maintenance and preventive maintenance practises.
 - a. Regular improvisation of safety systems based on global success stories.
 - b. Toxicology (complete MSDS as ready reckoner for warnings/ instructions).
 - c. Mock drills of warning alarm systems.
 - d. Instrumentation.
 - e. Written down preventive maintenance and breakdown maintenance practises and check listing of each on a daily basis.

- f. Regular (daily basis) trials of stand by systems.
- g. Key points to be kept in mind while setting SOPs for safety include:
 1. Use of danger and information tags.
 2. No substitutions of tags from one another.
 3. Information or instruction tag shall be used to convey special instructions for the equipment.
 4. The instruction tag shall not be used where a danger tag is required to identify a particular equipment as that equipment, if operated can cause an accident.
 5. The operator/shift officer shall assume responsibility for the use and removal of danger tags.
 6. Locking out of chemical plant equipment.
 7. Colour codes will be devised for locking.
 8. All locks will be placed on a breaker with a process until work is completed.
 9. The principle of isolation of equipment under maintenance repair without exception.

Based upon the actual inventory of HAZCHEM, adequacy of the preparedness and response is required to be established in the plant. It is essential to develop the DM capabilities both within the plant perimeter and in the vicinity on the basis of the dynamic quantitative risk assessment analysis. Meteorological data like wind direction shall be either obtained from concerned functionaries, or generated in-house for the proper management of chemical emergencies.

The best engineering practises practised the world over like those followed by the American Society of Mechanical Engineering (ASME) and others shall be modified and adapted in the Indian context under the authority of the BIS. Some of the major features of chemical safety procedures practised are shown in Annexure H for ready reference.

5.2 Storages

The storages of HAZMAT in an installation, or isolated storages are major sources of chemical disasters. The existing legal regulatory requirement provided through The Petroleum Act, 1934 and The Explosives Act, 1884, the Static and Mobile Pressure Vessels (Unfired) Rules 1981, the Gas Cylinder Rules, 2004, the MSIHC Rules, 1989, and the Factories Act, 1948, and various rules framed by the states give comprehensive guidelines to all installations and storages for the purpose of maintenance and operation of storage, tank farms and vessels. However, there are some glaring gaps with regard to safety, containment and neutralisation of toxic spill and release at the installation and storage site. Necessary provisions need to be enacted for fail-safe safety measures.

Important guidelines for installations and isolated storages are:

- i) Factories/Storages having Off-Site consequences need to be treated at par with MAH factories in view of the probability of occurrence of accident due to the risks associated with bulk storage of HAZMAT.
- ii) Standards in respect of design and construction with provisions for maintenance shall be laid down. The design shall be so formulated such that there would not be any effect of micrometeorological factors like temperature, pressure, humidity, air flow and protection from static charges.

- iii) The storages of large inventories of HAZMAT should go with corresponding safety, containment measures, good engineering and environmental practises. Better safety and containment measures for safety release installations should be used, like valves, rupture discs and monitors etc., to protect the storages.
- iv) At the installation level, storages require a risk assessment strategy addressing all the risk areas including the following components:
 - a. Safety and security provisions.
 - b. Pipelines transferring the HAZMAT to other plants/locations, or outside the premises.
 - c. Instrumentation especially—Distributed Control Systems (DCSs).
- v) Comprehensive guidelines are available for safe storages, testing and monitoring of storage vessels and areas, and for checking the residual life of vessels, pipelines and other equipment used in storage of HAZCHEMs. In addition, a testing system, its frequency and a certification system also exist. However, there is an urgent need of critical evaluation and review pertaining to the following areas:
 - a. Defining and ensuring the limits of quantity of HAZMAT as per the capacity of storage facility.
 - b. Simultaneous storage of non-compatible hazardous and toxic material.
 - c. Restriction of keeping storage vessels open to the sky due to the impact of weather conditions on the content of storage vessels.
- d. The concept of residual life with regard to depletion of various tolerances etc., needs to be re-evaluated from time-to-time, as many other factors and stresses responsible for the breakdown of vessels appear with ageing.
- e. Proper and adequate provisions of safety to cater to thermal and cryogenic stresses will be taken care of during the designing mode.
- f. A full-scale containment and neutralisation system shall be established for HAZCHEM that are not manufactured but stored in bulk quantities for in-house use. Such HAZCHEM include liquids like ammonia in ice manufacturing, LPG, furnace oils, compressed gas including chlorine in the pulp and paper industry, oxygen in Common Effluent Treatment Plants (CETPs), hydrogen in vegetable oil manufacturing and other inflammable fuels used in industries.
- g. Special provisions including the usage of lightning arrestors for gases (such as hydrogen that can make an explosive mixture with air, running the possible risk of exploding) as lightning acts as a catalyst for such a reaction.
- h. Ensure availability of a stand-by power supply system which shall operate in the case of failure/disruption of the main power supply and simultaneously requiring containment/neutralisation of stored liquid/gaseous chemicals to a designated place.

Dr. S. S. Singh
S. Singh (CCO)
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कार्यालय
अधिशायी अभियन्ता
सिंचाई खण्ड औरैया, दिबियापुर

पत्रांक 463 / सि०ख०औ०दि०/एन०टी०पी०सी०/

दिनांक : 13/04/2023

विषय :- एन०टी०पी०सी० संयंत्र दिबियापुर को पानी उपलब्ध कराये जाने के सम्बन्ध में।

✓ महाप्रबन्धक, एन०टी०पी०सी० दिबियापुर जनपद-औरैया।

उपरोक्त के सम्बन्ध में अवगत कराना है, कि एन०टी०पी०सी० लिमिटेड औरैया को मंगलपुर राजवाह के किमी० 3.800 से शासनादेश संख्या-4090/03-27-सिं-28 डब्ल्यू/95/सिंचाई अनुभाग-4/दिनांक 11 सितम्बर, 2003 के अनुसार अकृषिकारी जल उपलब्ध कराने हेतु अनुबंध दिनांक 31.05.2006 को मुख्य अभियन्ता (रामगंगा) स्तर से 10 वर्षों हेतु गठित किया गया था, जिसकी अवधि दिनांक 31.05.2016 को समाप्त हो चुकी है। एन०टी०पी०सी० संयंत्र को मंगलपुर राजवाह से 13.00 क्यूसेक पानी वर्ष 1990 से उपलब्ध कराये जाने हेतु तत्कालीन अधिकारियों के द्वारा लिये गये निर्णय के अनुसार एन०टी०पी०सी० द्वारा पानी की प्रतिपूर्ति हेतु 20 नलकूप लगाये जाने के लिये रु० 165.00 लाख उपलब्ध कराया गया था। उपरोक्त सभी नलकूप अपनी आयु सीमा पूर्ण हो जाने के कारण अक्रियाशील हो गये हैं। वर्तमान में उत्तर प्रदेश शासन की नीति के अनुसार नहरों का पानी प्रत्येक नहर के कमान्ड में निश्चित क्षेत्रफल की कृषि भूमि की फसलों की सिंचाई हेतु पानी उपलब्ध कराया जाना है तथा प्रत्येक नहर की क्षमता एवं उस नहर के कमान्ड का क्षेत्रफल पूर्व में निर्धारित एवं अभिकल्पित है। किसी भी नहर में अन्य प्रयोजन/अकृषिकारी कार्य जैसे-प्लांट इत्यादि को पानी दिया जाना प्रतिबंधित है। अगर किसी संयंत्र को पानी उपलब्ध कराया जाना अत्यन्त आवश्यक होता है, तो नहर में उतनी ही मात्रा के पानी की सीपेज को रोककर ही प्लांट को अतिरिक्त पानी उपलब्ध कराया जा सकता है, जिससे नहर के कमान्ड एरिया की सिंचाई पर कोई प्रतिकूल प्रभाव न पड़े। चूंकि प्रत्येक नहर की क्षमता पूर्व में अभिकल्पित होती है, इसलिये नहर का डिस्चार्ज क्षमता बढ़ाया जाना असंभव होता है। अतः अतिरिक्त पानी उपलब्ध कराये जाने हेतु नहर की सी०सी० लाइनिंग कर सीपेज के पानी को बचाकर ही अकृषिकार्य हेतु पानी उपलब्ध कराया जाता है। अतः वर्तमान में 13.00 क्यूसेक पानी दिये जाने हेतु मंगलपुर राजवाहा में सी०सी० लाइनिंग कराया जाना अत्यन्त आवश्यक है, जिसके सम्बन्ध में आपको, आपके कार्यालय कक्ष में दिनांक 03.03.2023 को हुई वार्ता में भी अधोहस्ताक्षरी द्वारा अवगत कराया गया था और आपके द्वारा सी०सी० लाइनिंग

कराने हेतु आवश्यक कार्यवाही करने का आश्वासन भी दिया गया था। 13.00 क्यूसेक जल उपलब्ध कराने हेतु लगभग 8 क्यूसेक प्रति 10 लाख वर्ग फिट (वेटेड पैरीमीटर) की क्षतिपूर्ति के लिये लाइनिंग की क्षमता 75 प्रतिशत के आधार को मानते हुये लगभग 2,01,363.10 वर्गमीटर (21,66,667.00 वर्ग फीट) लाइनिंग का कार्य करना होगा। इस लाइनिंग हेतु कुल रू0 5127.46 लाख का प्रारम्भिक प्राक्कलन संलग्न कर इस आशय से प्रेषित है, कि सी0सी0 लाइनिंग हेतु धन उपलब्ध कराने के लिये सहमति प्रदान करने का कष्ट करें, ताकि अग्रेतर कार्यवाही की जा सके।
संलग्नक :- उपरोक्तानुसार।

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13/04/23
अधिशायी अभियन्ता
सिंचाई खण्ड औरैया, दिबियापुर

पत्रांक / सि0ख0औ0दि0 / एन0टी0पी0सी0 / तदिनांक : / / 2023
प्रतिलिपि :- अधीक्षण अभियन्ता, सिंचाई कार्य मण्डल, इटावा को सूचनार्थ एवं आवश्यक कार्यवाही हेतु प्रेषित है।

अधिशायी अभियन्ता
सिंचाई खण्ड औरैया, दिबियापुर

प्रेषक,

अधीक्षण अभियन्ता,
सिंचाई कार्य मण्डल,
इटावा।

सेवा मे,

महाप्रबन्धक,
एन0टी0पी0सी0, दिबियापुर,
जनपद- औरैया।

Sr. S. Y. Singh & Mr. (C.D.)

Please advise for
further action.

Guh
12.09.23

→ DGM (P&S):

पत्रांक: 3550 / सिकामंड / एनटीपीसी अनु0

दिनांक इटावा अगस्त 30 2023

विषय-एन0टी0पी0सी0 संयंत्र दिबियापुर को पानी उपलब्ध कराये जाने के संबंध में।

संदर्भ- अधिशासी अभियन्ता, सिंचाई खण्ड, औरैया का पत्रांक 463 / सिखऔदि / एनटीपीसी दिनांक
13.04.2023

महोदय,

उपरोक्त विषयक संदर्भित पत्र (छाया प्रति संलग्न) का अवलोकन करें जिसके द्वारा अधिशासी अभियन्ता, सिंचाई खण्ड, औरैया दिबियापुर ने 13.00 क्यूसेक पानी दिये जाने हेतु मंगलपुर राजवाहा मे सी0सी0 लाइनिंग कराये जाने हेतु रु0 5127.46 लाख का प्रारम्भिक प्राक्कलन संलग्न कर धन उपलब्ध कराने के लिये सहमति प्रदान करने की वॉछना की गई थी।

उक्त संदर्भ मे अभी तक आपके स्तर से उक्त सहमति प्रदान न होने के कारण कोई भी अग्रिम कार्यवाही किया जाना संभव नहीं हो पा रहा है। अतः आपसे वॉछना की जाती है कि अधिशासी अभियन्ता के उक्त पत्र मे वर्णित स्थिति के अनुसार यथाशीघ्र सहमति प्रदान करने का कष्ट करें ताकि तदानुसार इस स्तर से अग्रिम कार्यवाही किया जाना संभव हो सकें।

संलग्नक- उपरोक्तानुसार।

वि. 30/8/2023
(विजय कुमार)
अधीक्षण अभियन्ता,

पत्रांक: /1/ सिकामंड/ तदिनांक :

प्रतिलिपि निम्न को सूचनार्थ एवं आवश्यक कार्यवाही हेतु प्रेषित है :-

1. मुख्य अभियन्ता (रामगंगा), सिंचाई एवं जल संसाधन विभाग, उत्तर प्रदेश, कानपुर को उनके ई मेल दिनांक 12.12.2022 क संदर्भ में।
2. अधिशासी अभियन्ता, सिंचाई खण्ड, औरैया दिबियापुर को उक्त संदर्भित पत्र के प्रष्ठांकन के संदर्भ में।

अधीक्षण अभियन्ता
सिंचाई कार्य मण्डल, इटावा

कार्यालय
अधिशायी अभियन्ता
सिंचाई खण्ड औरैया, दिबियापुर

पत्रांक 316 / सिंखऔदि / एनटीपीसी / दिनांक : 11/03/2024

विषय :- एनटीपीसी संयन्त्र दिबियापुर को पानी उपलब्ध कराये जाने के सम्बन्ध में।

सन्दर्भ :- इस कार्यालय का पत्रांक 463 / सिखऔदि / एनटीपीसी / दिनांक 13.04.2023

" " पत्रांक 830 / सिखऔदि / एनटीपीसी / दिनांक 11.07.2023

" " पत्रांक 1633 / सिखऔदि / एनटीपीसी / दिनांक 22.12.2023

अधीक्षण अभियन्ता, सिंचाई कार्य मण्डल इटावा का पत्रांक 3550 / दिनांक 30.08.2023

मुख्य महाप्रबन्धक, एनटीपीसी दिबियापुर जनपद औरैया।

उपरोक्त विषयक सन्दर्भित पत्रों के सम्बन्ध में अवगत कराना है, कि एनटीपीसी संयन्त्र दिबियापुर को जलापूर्ति हेतु अनुबन्ध गठित किया गया था जिसकी अवधि समाप्त हो चुकी है। शासन के निर्देशानुसार अकृषि कार्य जैसे प्लांट इत्यादि को पानी दिया जाना प्रतिबन्धित है। यदि किसी संयन्त्र को पानी उपलब्ध कराना अत्यधिक आवश्यक होता है तो नहर में उतनी ही मात्रा के पानी के सीपेज को रोक कर प्लांट को अतिरिक्त पानी उपलब्ध कराया जा सकता है। एनटीपीसी संयन्त्र दिबियापुर को जलापूर्ति हेतु मंगलपुर राजवाहा की सीपी लाइनिंग कार्य के लिए कुल धनराशि रु० 5127.46 लाख का प्रारम्भिक प्राक्कलन प्रेषित किया गया था, जिसपर आपके द्वारा कोई सहमति अथवा निर्णय से अधोहस्ताक्षरी को अवगत नहीं कराया गया है। यह स्थिति शासकीय हित में कदापि उचित नहीं है और न ही एनटीपीसी जैसे प्रतिष्ठित संस्थान से ऐसी शिथिल कार्य प्रणाली की आशा की जाती है।

अतः आपको पुनः अवगत कराना है, कि एनटीपीसी संयन्त्र दिबियापुर को जलापूर्ति के लिये धनराशि रु० 5127.46 लाख का प्राक्कलन पर निर्णय लेते हुये अधोहस्ताक्षरी को अवगत कराये, जिससे एमओयू के गठन हेतु अग्रिम कार्यवाही की जा सकें। अन्यथा कोई निर्णय न लेने पर एनटीपीसी संयन्त्र दिबियापुर को दिनांक 01.04.2024 से जलापूर्ति बाधित कर दी जायेगी, जिसका सम्पूर्ण उत्तरदायित्व आपका होगा।

45
11/03/24

अधिशायी अभियन्ता

सिंचाई खण्ड औरैया, दिबियापुर

पत्रांक / सिंखऔदि / तदिनांक : / / 2024

प्रतिलिपि :- निम्नलिखित को सूचनार्थ एव आवश्यक कार्यवाही हेतु प्रेषित है।

1. अधीक्षण अभियन्ता, सिंचाई कार्य मण्डल, इटावा।
2. क्षेत्रीय कार्यकारी निदेशक, (उत्तरी क्षेत्र), एनटीपीसी लखनऊ।

श. S. K. Singh, Sr. M. (Civil) : 92
92

अधिशायी अभियन्ता
सिंचाई खण्ड औरैया, दिबियापुर

श्री. महादेव

उप कमांडेंट का कार्यालय
केन्द्रीय औद्योगिक सुरक्षा बल
(गृह मंत्रालय)

केओसुब इकाई एनटीपीसी (दि)
पोस्ट- औरैया (उ०प्र०)

प०सं०-ई-42012/केओसुब/एनटीपीसी/फायर विंग/2024-566 दिनांक- 24/08/2024
सेवा में,

मुख्य महा प्रबंधक
एनटीपीसी दिबियापूर (औरैया)

विषय- LONG PENDING PROCUREMENT PROPOSALS OF FIRE WING: REG.

Kindly refer to this office letter no. ई-42012/केओसुब/एनटीपीसी/फायर विंग/2023- 511 दिनांक- 23/10/2023, No. 615 dated 27/12/2023, No. 119 dated 29/02/2024 and even No. 423 dated 06/06/2024 on the subject cited above.

02. It is submitted that some observations were raised by senior officer of CISF during inspection carried out on various occasion to improve the operational preparedness of the Fire Wing of this unit which are long pending till date.

03. In view of compliance of pending points and enhance the fire safety of the plant, it is submitted that observations raised as mentioned below should be complied within the stipulated time limit for further submission to higher formation-

SL NO.	PARTICULARS	DETAILS OF ACTION TAKEN BY CISF F/W (LETTER NO WITH DATE)	REMARKS
01	Replacement of Fire Tenders	<p>Three fire tenders (02-Foam Tender & 01-DCP Tender bearing No UP 79 T 0695, UP 79 T 1853 & UP 79 T 0229) have been provided by the NTPC Dibiyapur Management to keep fire safe plant premises.</p> <p>As per CISF FHQrs Fire Directorate New Delhi Manual-2017 standard operating procedures (SOP) life of fire tender is 10 years from the manufacture date. The above-mentioned fire tenders has been already completed more than 10 years.</p> <p>Correspondence has been made with NTPC management vide letter No.47 dated 31/01/2022, No. 269 dated 01/06/2023, even No. 504 dated 19/10/2023, No. 511 dated 23/10/2023, No. 615 dated 27/12/2023, No. 119 dated 29/02/2024, No. 305 dated 24/04/2024 and even No. 423</p>	<p>Initiated the replacement proposal.</p> <p>Pending till date.</p> <p>Requested to provide current status.</p>

		<p>and even no. 114 dated 24/03/2023.</p> <p>Further, the management again provided specification of the said item vide ltr No-Safety/Fer-24/8 dated 07.02.2024. The matter regarding vetting of specification has been conveyed to the management vide this office letter no. 102 dated 20/02/2024.</p> <p>Correspondence has been made with NTPC management vide letter no.511 dated 23/10/2023, No. 615 dated 27/12/2023, No. 119 dated 29/02/2024 and even No. 423 dated 06/06/2024.</p>	<p>Requested to provide current status.</p>
09	Construction of fire crew room cum model room cum class room for conducting fire classes	<p>The observation for requirement of fire crew room cum model room cum class room is raised raised by Sh. Rajesh Kumar Sharma, DC/Fire during fire audit carried out on dated 07 & 08/03/2024.</p> <p>However, constant liaison and coordination with the Management are being maintained to facilitate the construction work and correspondence has been made with NTPC management vide letter no.305 dated 24/04/2024 and even No. 423 dated 06/06/2024.</p>	<p>Suggestion/Recommendation of fire inspection/audit.</p> <p>Pending till date.</p> <p>Requested to provide current status.</p>
10	Procurement of 10 Nos. BA Sets	<p>The observation for procurement of 10 Nos. BA Sets is raised raised by Sh. Rajesh Kumar Sharma, DC/Fire during fire audit carried out on dated 07 & 08/03/2024.</p> <p>The proposal for procurement of 10 Nos. BA Sets has been sent to NTPC Dibiyapur Management and the same was discussed during the fire safety meeting held on 05/06/2024.</p> <p>However, constant liaison and coordination with the Management are being maintained to facilitate the construction work and correspondence has been made with NTPC management vide letter no.305 dated 24/04/2024 and even No. 423 dated 06/06/2024.</p>	<p>Suggestion/Recommendation of fire inspection/audit.</p> <p>Pending till date.</p> <p>Requested to provide current status.</p>
11	Procurement of Fire Extinguishers to replace condemned extinguishers.	<p>The proposal for procurement of the required quantity of fire extinguishers being condemned has been sent to NTPC Dibiyapur Management and the same was discussed during the fire safety meeting held on 05/06/2024.</p> <p>However, constant liaison and coordination</p>	<p>Suggestion/Recommendation of fire inspection/audit.</p> <p>Pending till date.</p> <p>Requested to provide current status.</p>


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7 AFFORDABLE AND CLEAN ENERGY



Goal 7 is about ensuring access to clean and affordable energy, which is key to the development of agriculture, business, communications, education, healthcare and transportation.

The world continues to advance towards sustainable energy targets – but not fast enough. At the current pace, about 660 million people will still lack access to electricity and close to 2 billion people will still rely on polluting fuels and technologies for cooking by 2030.

Our everyday life depends on reliable and affordable energy. And yet the consumption of energy is the dominant contributor to climate change, accounting for around 60 percent of total global greenhouse gas emissions.

From 2015 to 2021, the proportion of the global population with access to electricity has increased from 87 per cent to 91 per cent.

Ensuring universal access to affordable electricity by 2030 means investing in clean energy sources such as solar, wind and thermal. Expanding infrastructure and upgrading technology to provide clean energy in all developing countries is a crucial goal that can both encourage growth and help the environment.

Why should I care about this goal?

THE 17 GOALS



A well-established energy system supports all sectors: from businesses, medicine and education to agriculture, infrastructure, communications and high technology.

Access to electricity in poorer countries has begun to accelerate, energy efficiency continues to improve, and renewable energy is making impressive gains. Nevertheless, more focused attention is needed to improve access to clean and safe cooking fuels and technologies for 2.3 billion people.

For many decades, fossil fuels such as coal, oil or gas have been major sources of electricity production, but burning carbon fuels produces large amounts of greenhouse gases which cause climate change and have harmful impacts on people's well-being and the environment. This affects everyone, not just a few. Moreover, global electricity use is rising rapidly. In a nutshell, without a stable electricity supply, countries will not be able to power their economies.

Without electricity, women and girls have to spend hours fetching water, clinics cannot store vaccines for children, many schoolchildren can not do homework at night, and people cannot run competitive businesses. Slow progress towards clean cooking solutions is of grave global concern, affecting both human health and the environment, and if we don't meet our goal by 2030, nearly a third of the world's population – mostly women and children – will continue to be exposed to harmful household air pollution.

To ensure access to energy for all by 2030, we must accelerate electrification, increase investments in renewable energy, improve energy efficiency and develop enabling policies and regulatory frameworks.

What are the consequences to lack of access to energy?

Energy services are key to preventing disease and fighting pandemics – from powering healthcare facilities and supplying clean water for essential hygiene, to enabling water for essential hygiene, to enabling communications and IT services that connect people while maintaining social distancing.

What can we do to fix these issues?

Countries can accelerate the transition to an affordable, reliable, and sustainable energy system by investing in renewable energy resources, prioritizing energy efficient practices, and adopting clean energy technologies and infrastructure.

Businesses can maintain and protect eco- systems and commit to sourcing 100% of operational electricity needs from



renewable sources.

Employers can reduce the internal demand for transport by prioritizing telecommunications and incentivize less energy intensive modes such as train travel over auto and air travel.

Investors can invest more in sustainable energy services, bringing new technologies to the market quickly from a diverse supplier base.

You can save electricity by plugging appliances into a power strip and turning them off completely when not in use, including your computer. You can also bike, walk or take public transport to reduce carbon emissions.



Facts and figures

Goal 7 targets

7.1 By 2030, ensure universal access to affordable, reliable and modern energy services

7.2 By 2030, increase substantially the share of renewable energy in the global energy mix

7.3 By 2030, double the global rate of improvement in energy efficiency

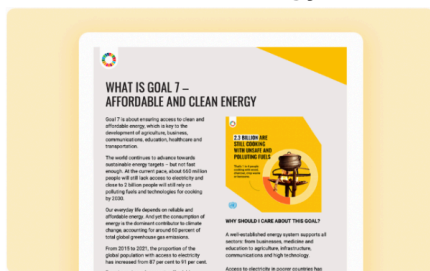
7.A By 2030, enhance international cooperation to facilitate access to clean energy research and technology, including renewable energy, energy efficiency and advanced and cleaner fossil-fuel technology, and promote investment in energy infrastructure and clean energy technology

7.B By 2030, expand infrastructure and upgrade technology for supplying modern and sustainable energy services for all in developing countries, in

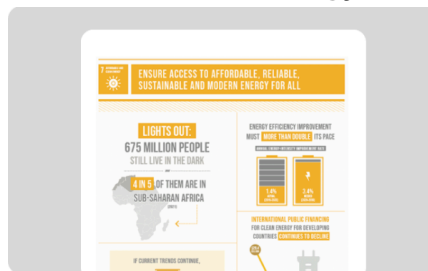
particular least developed countries, small island developing States, and land-locked developing countries, in accordance with their respective programmes of support

Links

Fast Facts: Affordable and Clean Energy



Infographic: Affordable and Clean Energy



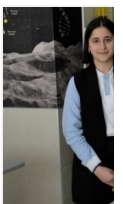
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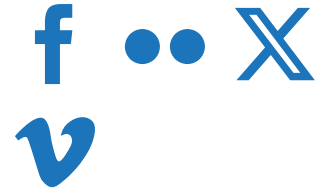
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ST. JOSEPH'S SR. SEC. SCHOOL

N.T.P.C. Dibiyaipur (Auraiya) U.P. 206 244

Affiliated to C.B.S.E, Delhi

Affiliation Number : 2130267

Ph. : (Principal) : 05683285131

Office : 05683285134

Mob. : 09756202057

web: www.stjosephsschooldibi.in
Email: stjosephdibiyaipur@gmail.com

School Code : 70120

Date : 25/07/2023

To,

The AGM (HR),
NTPC Ltd.
Dibiyaipur.

Sub: Construction of two extra class rooms regarding.

Dear Sir,

As per the CBSE letter dated 24/07/2023, St. Joseph's Sr. Sec. School, NTPC, Dibiyaipur is selected as the pilot school for Project Carte Blanche – Endless Empowerment for implementing Hybrid Learning, Digital Literacy and Skill Hub initiative etc. So we are in need of two extra class rooms with diamentions of 8m x 6m for this purpose. As we are already facing shortage of class rooms, we request you to construct at least two extra rooms so that we can fulfill these requirements of the CBSE Board.

I request you to be kind enough to look into this matter and do the needful at the earliest.

Thanking you,

Yours afithfully,



Manager

Manager

St. Joseph's Sr. Sec. School
N.T.P.C. Dibiyaipur (Auraiya)



आजादी का
अमृत महोत्सव

केन्द्रीय विद्यालय एनटीपीसी दिबियापुर

KENDRIYA VIDYALAYA NTPC DIBIYAPUR

शिक्षा मंत्रालय, भारत सरकार, Ministry of Education, Govt. of India

औरैया/ Auraiya, उत्तर प्रदेश Uttar Pradesh पिन/PIN-206244

वेबसाइट: www.ntpcdibiyapur.kvs.ac.in ईमेल/Email: kvnptcdibiyapur@gmail.com

क्षेत्र कोड/Region Code : 15, स्टेशन कोड/Station Code : 402

केन्द्रीय विद्यालय कोड/Kendriya Vidyalaya Code : 1722

सी. बी. एस. ई. स्कूल कोड /C. B. S. E. SCHOOL CODE: 74058, सी. बी. एस. ई. संबद्धता सं /C. B. S. E. AFFILIATION NO. : 2100061

F. 26350 /2024-25/के.वि. एन.टी.पी.सी. दिबियापुर (उ.प.)

दिनांक: 02.05.2024

सेवा में

मुख्य महाप्रबंधक

एनटीपीसी औरैया/ अध्यक्ष

विद्यालय प्रबंधन समिति

विषय: विद्यालय के प्रार्थना स्थल को ढकने के सम्बन्ध में ।

महोदय,

उपर्युक्त विषय के सन्दर्भ में आपको सूचित करना है कि विद्यालय के पास कोई भी कांफ्रेंस हाल नहीं है तथा विद्यालय प्रार्थना स्थल पर अत्यधिक धूप होने के कारण विद्यार्थियों को असुविधा हो रही है, जिसको फाइबर शीट से ढकने की आवश्यकता है । साथ ही विद्यालय के कोरिडोर में भी खाली जगह को ढकने पर उसे विद्यार्थियों के विभिन्न क्रियाकलापों के लिए प्रयोग में लाया जा सकता है ।

अतः आपसे विनम्र निवेदन है कि विद्यालय के प्रार्थना स्थल को ढकवाने की कृपा करें जिससे विद्यालय के विभिन्न क्रियाकलापों को विधिवत संपन्न कराया जा सके ।

सधन्यवाद

भवदीय

2.5.24
(गीता)

प्राचार्य

प्राचार्य/Principal

केन्द्रीय विद्यालय/Kendriya Vidyalaya
एनटीपीसी दिबियापुर/NTPC Dibiyaapur

TO WHOMSOEVER IT MAY CONCERN

Kind Attention:

Mr. Brijesh Singh
NTPC Auraiya, Uttar Pradesh
Contact Details: 9412000757

Dear Sir,

This is to inform that Cummins make Fire Engine NT743 is obsolete in nature and Cummins has stopped manufacturing of spare parts for the same.

This Engine is now no more into the manufacturing due to which supplying Spares can be an issue incase of breakdown of this engine.

We, Cummins highly recommend to replace this engine by repowering of this Engine by following model No:

Make: Cummins

Model: NT855-F



For Cummins India Limited,

Kartika Sharma
Senior Manager- Sales (Key Accounts)

CUMMINS INDIA LIMITED- DBU,
Cummins India Office Campus,
Tower A, Survey No. 21, Balewadi,
Pune- 411045, Maharashtra, India
Tel- 020-6706000, Fax- 020-67067015
cumminsindia.com