



Petition No :

Farakka STPS Stage-I&II

{1600 MW}

**DETERMINATION OF TARIFF FOR THE
PERIOD
01.04.2019 TO 31.03.2024**

BEFORE THE HON'BLE CENTRAL ELECTRICITY REGULATORY COMMISSION
NEW DELHI

PETITION NO.....

IN THE MATTER OF : Petition Under Section 62 and 79 (1) (a) of the Electricity Act, 2003 read with Chapter-V of the Central Electricity Regulatory Commission (Conduct of Business) Regulations, 1999 and Chapter-3, Regulation-9 of Central Electricity Regulatory Commission (Terms and Conditions of Tariff) Regulations, 2019 for approval of tariff of **Farakka Super Thermal Power Station Stage-I&II (1600 MW)** for the period from 01.04.2019 to 31.03.2024.

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BEFORE THE HON'BLE CENTRAL ELECTRICITY REGULATORY COMMISSION
NEW DELHI

PETITION NO.....

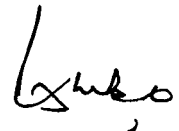
IN THE MATTER OF : Petition Under Section 62 and 79 (1) (a) of the Electricity Act, 2003 read with Chapter-V of the Central Electricity Regulatory Commission (Conduct of Business) Regulations, 1999 and Chapter-3, Regulation-9 of Central Electricity Regulatory Commission (Terms and Conditions of Tariff) Regulations, 2019 for approval of tariff of **Farakka Super Thermal Power Station Stage-I&II (1600 MW) for the period from 01.04.2019 to 31.03.2024.**

AND
IN THE MATTER OF

Petitioner: : NTPC Ltd.
NTPC Bhawan
Core-7, Scope Complex
7, Institutional Area, Lodhi Road
New Delhi-110 003.

Respondents:

1. West Bengal State Electricity Distribution Co. Ltd.
Vidyut Bhawan, Block-DJ,
Sector-II, Salt Lake City
Kolkata – 700 091
2. Bihar State Power Holding Company (BSPCL)
(erstwhile Bihar State Electricity Board (BSEB))
Vidyut Bhawan, Bailey Road
Patna – 800 001
3. Jharkhand Bijli Vitran Nigam Limited
Engineering Bhawan
Heavy Engineering Corporation
Dhurwa
Ranchi-834 004



- 4 Grid Corporation of Orissa Ltd.
Vidyut Bhawan, Janpath
Bhubaneswar – 751 007
- 5 Haryana Power Purchase Centre (HPPC)
Shakti Bhawan,
Sector – 6, Panchkula, Haryana – 134 109
- 6 Power Department
Govt. of Sikkim
Kazi Road
Gangtok
Sikkim – 737 101
- 7 Tamil Nadu Generation & Distribution
Corporation Ltd.(TANGEDCO)
144, Anna Salai
Chennai – 600002
- 8 Punjab State Power Corporation Limited
(PSPCL)
THE MALL,
PATIALA – 147 001
- 9 Uttar Pradesh Power Corp. Ltd.
Shakti Bhawan
14, Ashok Marg
Lucknow-226 001
- 10 Power Development Department (J&K)
Govt. of J&K Secretariat
Srinagar
- 11 Assam Power Distribution Company Limited
Bijulee Bhawan, Paltan Bazar,
Guwahati – 782 001
- 12 BSES Rajdhani Power Ltd.
BSES Bhawan, Nehru Place
New Delhi-110019
- 13 BSES Yamuna Power Ltd.
Shakti Kiran Bldg., Karkardooma
Delhi

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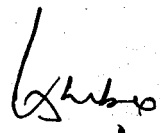
14 Tata Power Delhi Distribution Limited
33 KV Sub Station Bldg.
Hudson Lane, Kingsway Camp
New Delhi

15 Rajasthan Urja Vikas Nigam Limited
Vidyut Bhawan Janpath,
Jaipur -302 005 (Rajasthan)

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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 in different regions and places in the country. **Farakka Super Thermal Power Station Stage-I&II (1600 MW)** (hereinafter referred to as '**FSTPS-I&II**') is one such station located in the State of West Bengal. The power generated from FSTPS-I&II is being supplied to the respondents herein above.
- 4) The Hon'ble Commission has notified the Central Electricity Regulatory Commission (Terms & Conditions of Tariff) Regulations, 2019 (hereinafter '**Tariff Regulations 2019**') which came into force from 01.04.2019, specifying the terms & conditions and methodology of tariff determination for the period 01.04.2019 to 31.03.2024.
- 5) Regulation 9(2) of Tariff Regulations 2019 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 31.10.2019, based on admitted capital cost including additional capital expenditure already admitted and incurred up to 31.3.2019 (either based on actual or projected additional capital expenditure) and estimated additional capital expenditure for the respective years of the tariff period

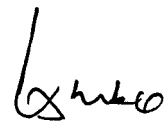


2019-24 along with the true up petition for the period 2014-19 in accordance with the CERC (Terms and Conditions of Tariff) Regulations, 2014."

The date of filing of Tariff Petition for the period 2019-24 has subsequently been extended by Hon'ble Commission vide order dated 28.10.2019 in Petition No. 331/MP/2019.

In terms of above, the Petitioner is filing the present petition for determination of tariff for FSTPS-I&II for the period from 01.04.2019 to 31.03.2024 as per the Tariff Regulations 2019.

- 6) The tariff of the FSTPS-I&II for the tariff period 1.4.2014 to 31.3.2019 was determined by the Hon'ble Commission vide its order dated 10.03.2017 in Petition No. 316/GT/2014 in accordance with the CERC (Terms & Conditions of Tariff) Regulations 2014. The Petitioner thereafter had filed an Appeal (158 of 2017) in Appellate Tribunal of Electricity on certain aspects of the order dated 10.03.2017. The appeal is under consideration of the Hon'ble Appellate Tribunal of Electricity. The petitioner vide affidavit dated 18.01.2020 has filed a separate true up petition for the period 01.04.2014 to 31.03.2019 for revision of tariff in line with the applicable provisions of Tariff Regulations 2014.
- 7) The Hon'ble Commission vide order dated 10.03.2017 in Petition no 316/GT/2017 has allowed a capital cost of Rs 3196.79 Cr. as on 31.03.2019 based on the admitted projected capital expenditure for the 2014-19 period. However, the actual closing capital cost as on 31.03.2019 has been worked out in the foresaid true-up petition as Rs. 3213.52 Crs based on the actual expenditure after truing up exercise for the period 2014-19. Accordingly, the Petitioner has adjusted an amount of Rs. 16.73 Cr in the admitted capital cost as on 31.03.2019 and the opening capital cost as on 01.04.2019 has been considered as Rs 3213.52 Cr. in the instant petition. The Hon'ble Commission may be pleased to adopt this adjustment in the admitted capital cost as on 31.3.2019 and determine the tariff in the present petition for the period 2019-24.



- 8) The capital expenditure claimed in the instant petition is based on the opening capital cost as on 01.04.2019 considered as above and estimated additional capital expenditures projected for the period 2019-24 based on the Regulation 19 and Regulation 25 and 26 of the Tariff Regulations, 2019.
- 9) The Petitioner further respectfully submits that as per Regulation 35(1)(6) of the Tariff Regulations 2019, the water charges, security 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 2019-20 have been furnished below. Accordingly, water charges may be allowed in tariff based on the same for the 2019-24. In accordance with provision of the Regulations, the petitioner shall be furnishing the details of actual for the relevant year at the time of truing up and the same shall be subject to retrospective adjustment.

Description	Remarks
Type of Plant	Coal
Type of cooling water system	Open Circuit cooling
Consumption of Water	720 lakh Cubic Meter
Rate of Water charges	Rs 20.82 per 1000 gallon
Total Water Charges	3960.04 lakhs

- 10) Similarly, the Petitioner is claiming the security expenses based on the estimated expenses for the period 2019-24, 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 35 (1)(6) based on actual consumption of spares during the period 2019-24
- 11) The present petition is filed on the basis of norms specified in the Tariff Regulations 2019. It is submitted that the petitioner is in the process of installing the Emission Control Systems (ECS) in compliance of the Revised Emission Standards as notified by

Signature

MOEF vide notification dated 07.12.2015 as amended. Completion of these schemes in compliance of revised emission norms will effect the station APC, Heat Rate , O&M expenses etc. In addition the availability of the unit/ station would be also effected due to shutdown of the units for installation of ECS. The petitioner would be filing the details of the same in a separate petition in terms of the Regulation 29 of Tariff Regulations 2019. The tariff of the instant petition would undergo changes consequent to the order of the Hon'ble Commission in the said ECS petition.

- 12) A notification dated 25.01.2016 has been issued by Government of India, Ministry of Environment, Forest & Climate Change (MOEFCC) under the statutory provisions of Environment (Protection) Act 1986. The said notification of MOEFCC prescribed for bearing the transportation cost of Fly Ash generated at power stations. In this regard, Petitioner filed a petition, being no. 172/MP/2016, before the Hon'ble Commission seeking reimbursement of the additional expenditure for Fly Ash Transportation directly from the beneficiaries as the same was in the nature of statutory expense. Hon'ble Commission vide order dated 05.11.2018 disposed of the said petition and directed as follows :

"31. Accordingly, we in exercise of the regulatory power hold that the actual additional expenditure incurred by the Petitioner towards transportation of ash in terms of the MOEFCC Notification is admissible under "Change in Law" as additional O&M expenses. However, the admissibility of the claims is subject to prudence check of the following conditions on case to case basis for each station:

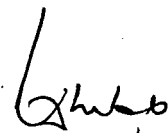
a) Award of fly ash transportation contract through a transparent competitive bidding procedure. Alternatively, the schedule rates of the respective State Governments, as applicable for transportation of fly ash.

b) Details of the actual additional expenditure incurred on Ash transportation after 25.1.2016, duly certified by auditors.

c) Details of the Revenue generated from sale of fly ash/ fly ash products and the expenditure incurred towards Ash utilisation up to 25.1.2016 and from 25.1.2016 to till date, separately.

d) Revenue generated from fly Ash sales maintained in a separate account as per the MoEF notification.

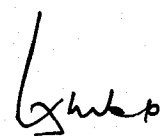
32. The Petitioner is granted liberty to approach the Commission at the time of revision of tariff of the generating stations based on trueing -up exercise for the



period 2014-19 in terms of Regulation 8 of the 2014 Tariff Regulations along with all details / information, duly certified by auditor."

The expenditure towards the ash transportation charges are recurring in nature. The Petitioner has been incurring ash transportation expenditure in some of its stations in the current tariff period also. In case the same is permitted to be recovered at the end of the tariff period 2019-24, there will be additional liability on the beneficiary on account of the interest payment for the period till the time the true-up petitions for the period 2019-24 is decided. To avoid the interest payment liability of the beneficiaries it is prayed that the petitioner may be allowed to recover/ pass on the ash transportation charges after adjusting the revenue earned from sale of ash at the end of each quarter of financial year subject to true-up at the end of the period.

- 13) The Petitioner has already paid the requisite filing fee vide UTR No. CMS1106438370 on 22.04.2019. for the year 2019-20 and the details of the same have been duly furnished to the Hon'ble Commission vide our letter dtd. 25.04.2019. For the subsequent years, it shall be paid as per the provisions of the CERC (Payment of Fees) Regulations, 2012 as amended. Further Regulation 70 (1) of Tariff Regulations 2019 provides that the application fee and publication expenses may be allowed to be recovered directly from the beneficiaries at the discretion of the Hon'ble Commission. Accordingly, it is prayed that Hon'ble Commission may be pleased to allow recover filing fee and publication fee directly from the beneficiaries.
- 14) The petitioner has accordingly calculated the tariff for 2019-24 period based on the above and the same is enclosed as **Appendix-I** to this petition.
- 15) 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
- 16) 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 31.3.2014 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 FSTPS-I&II the tariff period 01.04.2019 to 31.03.2024.
- ii) Allow the recovery of filing fees as & when paid to the Hon'ble Commission and publication expenses from the beneficiaries.
- iii) Allow reimbursement of Ash Transportation Charges directly from the beneficiaries quarterly on net basis.
- iv) Pass any other order as it may deem fit in the circumstances mentioned above.

Place: New Delhi

Date: 29.01.2020


Petitioner

BEFORE THE 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-V of the Central Electricity Regulatory Commission (Conduct of Business) Regulations, 1999 and Chapter-3, Regulation-9 of Central Electricity Regulatory Commission (Terms and Conditions of Tariff) Regulations, 2019 for approval of tariff of Farakka Super Thermal Power Station Stage-I&II (1600 MW) for the period from 01.04.2019 to 31.03.2024.

AND
IN THE MATTER OF

Petitioner: : NTPC Ltd.
NTPC Bhawan
Core-7, Scope Complex
7, Institutional Area, Lodhi Road
New Delhi-110 003

Respondents 1. West Bengal State Electricity Distribution Company Limited
Vidyut Bhawan, Block-DJ,
Sector-II, Salt Lake City
Kolkata – 700 091

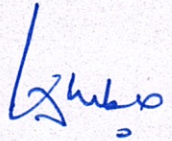
.....and Others



AFFIDAVIT

I, Rohit Chhabra, son of Sh. S M Chhabra, aged about 54 years, having office at NTPC Bhavan, SCOPE Complex, Lodhi Road, New Delhi do solemnly affirm and state as under:

1. That I am the Addl. General Manager (Commercial) in Petitioner Corporation NTPC Ltd. and am well conversant with the facts of the case and am competent to swear the present affidavit.
2. That I have read the contents of the accompanying Petition being filed by NTPC and have understood the same.
3. That the contents of the accompanying Petition being filed by NTPC are based on information available with the Petitioner in the normal course of business and believed by the deponent to be true.



(DEPONENT)

VERIFICATION

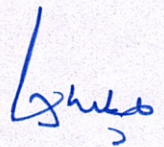
I, the deponent above named, do hereby verify that the contents of the above affidavit are true to the best of my knowledge, no part of it is false and nothing material has been concealed therefrom.

Verified at New Delhi on this day 29th January 2020.



Solemnly affirmed before me, read
over & explained to the deponent:

Notary Public, DELHI



(DEPONENT)

(11)

29 JAN 2020

TARIFF FILING FORMS (THERMAL)

FOR DETERMINATION OF TARIFF

FOR

Farakka Super Thermal power Station Stage-I&II

(From 01.04.2019 to 31.03.2024)

PART-I

Appendix-I

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

Form No.	Title of Tariff Filing Forms (Thermal)	Tick
FORM- 1	Summary of Tariff	✓
FORM -1 (I)	Statement showing claimed capital cost	✓
FORM -1 (II)	Statement showing Return on Equity	✓
FORM-2	Plant Characteristics	✓
FORM-3	Normative parameters considered for tariff computations	✓
FORM-3A**	Statement showing O&M Expenses	✓
FORM-3B**	Statement of Special Allowance	✓
FORM- 4	Details of Foreign loans	✓
FORM- 4A	Details of Foreign Equity	NA
FORM-5	Abstract of Admitted Capital Cost for the existing Projects	✓
FORM-5A**	Abstract of Claimed Capital Cost for the existing Projects	✓
FORM- 6	Financial Package upto COD	✓
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	✓
FORM- 15	Details of Fuel for Computation of Energy Charges	✓
FORM- 15A	Details of Secondary Fuel for Computation of Energy Charges	✓
FORM- 15B	Computation of Energy Charges	✓
FORM- 16	Details of Limestone for Computation of Energy Charge Rate	NA
FORM-17	Details of Capital Spares	***
FORM- 18	Non-Tariff Income	***
FORM-19	Details of Water Charges	***
FORM-20	Details of Statutory Charges	***

Provided yearwise for the period 2019-24

** Additional Forms

***Shall be submitted at the time of true up.

PART-I

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

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

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

Signature

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.	NA
	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

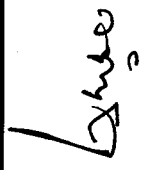
Note: ** Will be provided at the time of true up of petition.

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Summary of Tariff

Name of the Petitioner:		NTPC Limited						
Name of the Generating Station:		Farakka Super Thermal power Station Stage-I&II						
Place (Region/District/State):		Eastern Region/ Murshidabad/ West Bengal						
S. No.	Particulars	Unit	Existing 2018-19	2019-20	2020-21	2021-22	2022-23	2023-24
1	2	3	4	5	6	7	8	9
1.1	Depreciation	Rs Lakh	4,123.27	727.46	4,215.17	6,790.22	4,187.14	1,665.00
1.2	Interest on Loan	Rs Lakh	0.00	-	80.68	80.71	-	-
1.3	Return on Equity	Rs Lakh	31,024.85	18,123.31	18,387.21	18,812.32	19,074.46	19,178.70
1.4	Interest on Working Capital	Rs Lakh	15,969.79	10,866.25	11,014.39	11,150.11	11,208.34	11,266.00
1.5	O&M Expenses	Rs Lakh	48,046.58	50128.71	51881.17	53700.27	55605.33	57569.75
1.6	Special Allowance (If applicable)	Rs Lakh	5,317.81	5700.00	10450.00	14015.75	15200.00	15200.00
1.7	Compensation Allowance (If applicable – relevant for column 4 only)	Rs. Lakh	1,000.00					
	Total	Rs Lakh	105482.30	85545.73	96028.62	104549.38	105275.27	104879.45
2.1	Landed Fuel Cost (coal/gas/RLNG/ liquid)	Rs/Ton				3687.34		
	(%) of Fuel Quantity	(%)				100		
2.2	Landed Fuel Cost Imported Coal	Rs/Ton				5127.48		
	(%) of Fuel Quantity	(%)				0.55		
2.3	Landed Fuel Cost (coal/gas /RLNG/liquid) other than FSA	Rs/Ton				3679.37		
	(%) of Fuel Quantity	(%)				99.45		
2.4	Landed Fuel Cost Imported Coal other than FSA.					NA		
	(%) of Fuel Quantity							
2.5	Secondary fuel oil cost	Rs/Unit				0.017		
	Energy Charge Rate ex-bus	Rs/Unit				2.554		

(Petitioner)

PART-I FORM- 1(I)						
Name of the Petitioner:		NTPC Limited				
Name of the Generating Station:		Farakka Super Thermal power Station Stage-I&II				
Amount in Rs. Lakhs						
Statement showing claimed capital cost – (A+B)						
S. No.	Particulars	2019-20	2020-21	2021-22	2022-23	2023-24
1	2	3	4	5	6	7
1	Opening Capital Cost	321,352.03	321,934.46	330,719.08	337,023.83	340,023.83
2	Add: Addition during the year/period	582.43	8,784.62	6,304.75	3,000.00	700.00
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	321,934.46	330,719.08	337,023.83	340,023.83	340,723.83
7	Average Capital Cost	321,643.25	326,326.77	333,871.46	338,523.83	340,373.83
Statement showing claimed capital cost eligible for RoE at normal rate (A)						
S. No.	Particulars	2019-20	2020-21	2021-22	2022-23	2023-24
1	2	3	4	5	6	7
1	Opening Capital Cost	321352.03	321934.46	330719.08	337023.83	340023.83
2	Add: Addition during the year / period	582.43	8784.62	6304.75	3000.00	700.00
3	Less: De-capitalisation during the year / period	0.00	0.00	0.00	0.00	0.00
4	Less: Reversal during the year / period	0.00	0.00	0.00	0.00	0.00
5	Add: Discharges during the year / period	0.00	0.00	0.00	0.00	0.00
6	Closing Capital Cost	321934.46	330719.08	337023.83	340023.83	340723.83
7	Average Capital Cost	321643.25	326326.77	333871.46	338523.83	340373.83
Statement showing claimed capital cost eligible for RoE at weighted average rate of interest on actual loan portfolio (B)						
S. No.	Particulars	2019-20	2020-21	2021-22	2022-23	2023-24
1	2	3	4	5	6	7
1	Opening Capital Cost	0.00	0.00	0.00	0.00	0.00
2	Add: Addition during the year / period	0.00	0.00	0.00	0.00	0.00
3	Less: De-capitalisation during the year / period	0.00	0.00	0.00	0.00	0.00
4	Less: Reversal during the year / period	0.00	0.00	0.00	0.00	0.00
5	Add: Discharges during the year / period	0.00	0.00	0.00	0.00	0.00
6	Closing Capital Cost	0.00	0.00	0.00	0.00	0.00
7	Average Capital Cost	0.00	0.00	0.00	0.00	0.00

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(Petitioner)

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PART-I
FORM- 1(IIA)

Name of the Petitioner: NTPC Limited

Name of the Generating Station: Farakka Super Thermal power Station Stage-I&II

Statement showing Return on Equity at Normal Rate

Amount in Rs. Lakhs

S. No.	Particulars	2019-20	2020-21	2021-22	2022-23	2023-24
1	2	3	4	5	6	7
	Return on Equity					
1	Gross Opening Equity (Normal)	157,179.35	157,354.08	159,989.47	161,880.89	162,780.89
2	Less: Adjustment in Opening Equity	60,773.74				
3	Adjustment during the year		60,773.74	60,773.74	60,773.74	60,773.74
4	Net Opening Equity (Normal)	96,405.61	96,580.34	99,215.72	101,107.15	102,007.15
5	Add: Increase in equity due to addition during the year / period	174.73	2,635.39	1,891.43	900.00	210.00
7	Less: Decrease due to De-capitalisation during the year / period	0.00	0.00	0.00	0.00	0.00
8	Less: Decrease due to reversal during the year / period	0.00	0.00	0.00	0.00	0.00
9	Add: Increase due to discharges during the year / period	0.00	0.00	0.00	0.00	0.00
10	Net closing Equity (Normal)	96,580.34	99,215.72	101,107.15	102,007.15	102,217.15
11	Average Equity (Normal)	96,492.97	97,898.03	100,161.44	101,557.15	102,112.15
12	Rate of ROE (%)	18.782	18.782	18.782	18.782	18.782
13	Total ROE	18,123.31	18,387.21	18,812.32	19,074.46	19,178.70


(Petitioner)

Name of the Petitioner: NTPC Limited

Name of the Generating Station: Farakka Super Thermal power Station Stage-I&II

Statement showing Return on Equity at Wt. Average Interest Rate

Amount in Rs. Lakhs

S. No.	Particulars	2019-20	2020-21	2021-22	2022-23	2023-24
1	2	3	4	5	6	7
Return on Equity (beyond the original scope of work excluding additional capitalization due to Change in Law)						
1	Gross Opening Equity (Normal)	0.00	0.00	0.00	0.00	0.00
2	Less: Adjustment in Opening Equity	0.00	0.00	0.00	0.00	0.00
3	Adjustment during the year	0.00	0.00	0.00	0.00	0.00
4	Net Opening Equity (Normal)	0.00	0.00	0.00	0.00	0.00
5	Add: Increase in equity due to addition during the year / period	0.00	0.00	0.00	0.00	0.00
7	Less: Decrease due to De-capitalisation during the year / period	0.00	0.00	0.00	0.00	0.00
8	Less: Decrease due to reversal during the year / period	0.00	0.00	0.00	0.00	0.00
9	Add: Increase due to discharges during the year / period	0.00	0.00	0.00	0.00	0.00
10	Net closing Equity (Normal)	0.00	0.00	0.00	0.00	0.00
11	Average Equity (Normal)	0.00	0.00	0.00	0.00	0.00
12	Rate of ROE (%)	10.108	10.110	10.114	10.119	10.121
13	Total ROE	0.00	0.00	0.00	0.00	0.00


 (Petitioner)

Plant Characteristics

Name of the Petitioner		NTPC Limited				
Name of the Generating Station		Farakka Super Thermal power Station Stage-I&II				
Unit(s)/Block(s)/Parameters	Unit-I	Unit-II	Unit-III	Unit-IV	Unit-V	
Installed Capacity (MW)	200	200	200	500	500	
Schedule COD as per Investment Approval						
Actual COD /Date of Taken Over (as applicable)	01.11.86	01.10.87	01.09.88	01.07.96	01.04.95	
Pit Head or Non Pit Head	Pit Head	Pit Head	Pit Head	Pit Head	Pit Head	
Name of the Boiler Manufacture	BHEL	BHEL	BHEL	ANSALDO	ANSALDO	
Name of Turbine Generator Manufacture	KWU	KWU	KWU	BHEL	BHEL	
Main Steams Pressure at Turbine inlet (kg/Cm² abs)¹	NOT APPLICABLE					
Main Steam Temperature at Turbine inlet (°C)¹						
Reheat Steam Pressure at Turbine inlet (kg/Cm²)¹						
Reheat Steam Temperature at Turbine inlet (°C)¹						
Main Steam flow at Turbine inlet under MCR condition (tons /hr)²						
Main Steam flow at Turbine inlet under VWO condition (tons /hr)²						
Unit Gross electrical output under MCR /Rated condition (MW)²						
Unit Gross electrical output under VWO condition (MW)²						
Guaranteed Design Gross Turbine Cycle Heat Rate (kCal/kWh)³						
Conditions on which design turbine cycle heat rate guaranteed(kcal/kwhr)						
% MCR						
% Makeup Water Consumption						
Design Capacity of Make up Water System(% of throttle steam flow)						
Design Capacity of Inlet Cooling System						
Design Cooling Water Temperature (°C)						
Back Pressure(Average condenser pressure in mmHg(A))						
Steam flow at super heater outlet under BMCR condition (tons/hr)						
Steam Pressure at super heater outlet under BMCR condition (kg/Cm²)						
Steam Temperature at super heater outlet under BMCR condition (°C)						
Steam Temperature at Reheater outlet at BMCR condition (°C)						
Design / Guaranteed Boiler Efficiency (%)⁴						
Design Fuel with and without Blending of domestic/imported coal						
(GCV) Domestic Design coal						
Blended Coal (Domestic Design 70%+ Imported 30%)						
Type of Cooling Tower	NA					
Type of cooling system⁵	NA					
Type of Boiler Feed Pump⁶	MDBFP	MDBFP	MDBFP	TDBFP	TDBFP	
Fuel Details⁷						
-Primary Fuel	Coal					
-Secondary Fuel	HFO					
-Alternate Fuels	NA					
Special Features/Site Specific Features⁸	MGR					
Special Technological Features⁹						
Environmental Regulation related features¹⁰	FGD is being installed					
Any other special features						

(PETITIONER)

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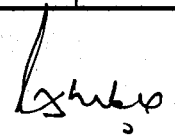
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Normative parameters considered for tariff computations

Name of the Petitioner:		NTPC Limited					
Name of the Generating Station:		Farakka Super Thermal power Station Stage-I&II					
(Year Ending March)							
Particulars	Unit	Existing 2018-19	2019-20	2020-21	2021-22	2022-23	2023-24
1	2	3	4	5	6	7	8
Base Rate of Return on Equity \$\$	%	15.50	15.50	15.50	15.50	15.50	15.50
Base Rate of Return on Equity on Add. Capitalization** \$\$	%	-	8.342	8.343	8.347	8.351	8.352
Effective Tax Rate	%	21.4588	17.4720	17.4720	17.4720	17.4720	17.4720
Target Availability	%	85.00	85.00				
In High Demand Season	%	-	-	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
In Low Demand Season(Off-Peak)	%	-	-	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	%	6.47	6.78	6.78	6.78	6.78	6.78
Gross Station Heat Rate	kCal/kWh	2403.13	2405.00	2405.00	2405.00	2405.00	2405.00
Specific Fuel Oil Consumption	ml/kWh	0.50	0.50	0.50	0.50	0.50	0.50
Cost of Coal/Lignite for WC1	in Days	60	40	40	40	40	40
Cost of Main Secondary Fuel Oil for WC1	in Months	2	2	2	2	2	2
Fuel Cost for WC2	in Months						
Liquid Fuel Stock for WC2	in Months						
O&M Expenses	Rs lakh/MW	24.21	26.43	27.36	28.32	29.32	30.34
Maintenance Spares for WC	% of O&M	20.00	20.00	20.00	20.00	20.00	20.00
Receivables for WC	in Days	60	45	45	45	45	45
Storage capacity of Primary fuel	MT	8.9 Lakhs					
SBI 1 Year MCLR plus 350 basis point	%	13.50	12.05	12.05	12.05	12.05	12.05
Blending ratio of domestic coal/imported coal							

** Rate of Return on Add - cap beyond original scope and excluding Change in Law

\$\$ Additional RoE due to better ramp rate would be claimed at the time of true-up or as per guidelines to be issued



Petitioner

Calculation of O&M Expenses

Name of the Company :		NTPC Limited				
Name of the Power Station :		Farakka Super Thermal power Station Stage-I&II				
						Amount in Rs. Lakhs
S.No.	Particulars	2019-20	2020-21	2021-22	2022-23	2023-24
1	2	3	4	5	7	8
1	O&M expenses under Reg.35(1)					
1a	Normative	42286.00	43772.00	45306.00	46906.00	48544.00
2	O&M expenses under Reg.35(6)					
2a	Water Charges *	3960.04	3960.04	3960.04	3960.04	3960.04
2b	Security expenses*	3882.67	4149.13	4434.23	4739.29	5065.71
2c	Capital Spares**	0.00	0.00	0.00	0.00	0.00
3	O&M expenses-Ash Transportation**	0.00	0.00	0.00	0.00	0.00
	Total O&M Expenses	50128.71	51881.17	53700.27	55605.33	57569.75

* Subject to true up

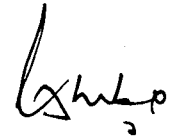
** Shall be provided at the time of truing up

Signature

Petitioner

Computation of Special Allowance

Name of the Company :		NTPC Limited							
Name of the Power Station :		Farakka Super Thermal power Station Stage-I&II							
Rate of Special allowance @lakh/MW/year		9.5							
(Rs. Lakh)									
Unit No.	Capacity (MW)	Date of COD	Year of completion of useful life of 25 yrs.	Special Allowance as per Clause 28					
				Existing 2018-19	2019-20	2020-21	2021-22	2022-23	2023-24
1	200	1-Nov-86	2011-12	1699.47	1900.00	1900.00	1900.00	1900.00	1900.00
2	200	1-Oct-87	2012-13	1699.47	1900.00	1900.00	1900.00	1900.00	1900.00
3	200	1-Sep-88	2013-14	1918.85	1900.00	1900.00	1900.00	1900.00	1900.00
4	500	1-Jul-96	2021-22	0.00	0.00	0.00	3565.75	4750.00	4750.00
5	500	1-Apr-95	2020-21	0.00	0.00	4750.00	4750.00	4750.00	4750.00
Year wise Total for the Station				5317.79	5700.00	10450.00	14015.75	15200.00	15200.00

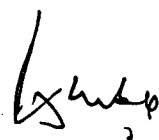


Petitioner

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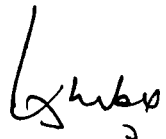
Abstract of Admitted Capital Cost for the existing Projects

Name of the Company :	NTPC Limited	
Name of the Power Station :	Farakka Super Thermal power Station Stage-I&II	
Last date of order of Commission for the project	Date (DD-MM-YYYY)	10.03.2017
Reference of petition no. in which the above order was passed	Petition no.	316/GT/2014
Following details (whether admitted and /or considered) as on the last date of the period for which tariff is approved, in the above order by the Commission:		31.03.2019
Capital cost	(Rs. in lakh)	321352.03
Amount of un-discharged liabilities included in above (& forming part of admitted capital cost)		
Amount of un-discharged liabilities corresponding to above admitted capital cost (but not forming part of admitted capital cost being allowed on cash basis)		1277.09
Gross Normative Debt		163,002.15
Cumulative Repayment		163,002.15
Net Normative Debt		0
Normative Equity		157,179.35
Cumulative Depreciation		288,029.35
Freehold land		802.35



(Petitioner)

Abstract of Claimed Capital Cost for the existing Projects

Name of the Company :	NTPC Limited		
Name of the Power Station :	Farakka Super Thermal power Station Stage-I&II		
Reference of Final True-up Tariff Petition		Affidavit dated 18.01.2020	
Capital Cost as on 31.03.2014 as per Hon'ble Commission's Order dated 10.03.2017 In Pet. No. 316/GT/2014	Rs. Lakhs	319679.86	
Adjustment as per Para (7) of this petition		1672.17	
Following details as considered by the Petitioner as on the last date of the period for which final true-up tariff is claimed:			
Capital cost as on 01.04.2019	(Rs. in lakh)	321352.03	
Amount of un-discharged liabilities included in above (& forming part of admitted capital cost)			
Amount of un-discharged liabilities corresponding to above admitted capital cost (but not forming part of admitted capital cost being allowed on cash basis)		1114.03	
Gross Normative Debt		164172.68	
Cumulative Repayment		164172.68	
Net Normative Debt		0	
Normative Equity		157179.35	
Cumulative Depreciation		288029.35	
Freehold land		802.35	
 (Petitioner)			

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Details of Allocation of corporate loans to various projects

Name of the Petitioner	
Name of the Petitioner	
Form 8- Domestic Bonds- Details of Allocation of corporate loans to	
Particulars	54
Source of Loan ¹	BONDS
Currency ²	INR
Amount of Loan sanctioned	1030683
Interest Type ⁶	Fixed
Fixed Interest Rate, if applicable	8.49%
Base Rate, if Floating Interest ⁷	N/A
Margin, if Floating Interest ⁸	N/A
Are there any Caps/Floor ⁹	No
If above is yes,specify caps/floor	N/A
Moratorium Period ¹⁰	8
Moratorium effective from #	3/25/2015
Repayment Period ¹¹	Installments Due on 25/03/2023, 25/03/2024 & 25/03/2025
Repayment effective from	3/25/2023
Repayment Frequency ¹²	Installments Due on 25/03/2023, 25/03/2024 & 25/03/2025
Repayment Instalment ^{13,14}	Installments 1st - 206,136.61 2nd - 412,273.22 3rd - 412,273.22
Base Exchange Rate ¹⁶	N/A
Door to Door Maturity	10
Name of the Projects	
Anantpur Solar	5,600
ANTA	-
AURAIYA	-
Auraiya R & M	-
Badarpur R&M	2,300
BARH I	74,883
BARH II	63,500
Bhadla Solar	-
BONGAIGAON	54,000
Chatti Bariatu CMB	8,100
Dadri Gas R & M	600
DADRI GAS	-
DARLIPALLI	49,200
Dulanga CMB	-
FARAKKA II	-
FARAKKA III	10,900
Farakka R & M	2,000
FARIDABAD	-

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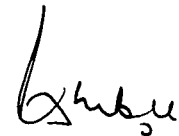
Details of Allocation of corporate loans to various projects

Name of the Petitioner	
Name of the Petitioner	
Form 8- Domestic Bonds- Details of Allocation of corporate loans to	
Particulars	54
GADARWARA	81,000
GANDHAR	-
Gandhar R & M	4,300
Kahalgaon II Phase I	-
Kahalgaon II Phase II	1,800
Khstpp R & M	2,000
KAWAS	-
Kawas R & M	1,400
Khargone	45,000
KOLDAM	25,100
KORBA III	9,200
Korba R & M	4,400
Kudgi	123,300
LARA I	53,300
Lata Tapovan	1,600
LOHARINAGPALA	-
Mauda	21,900
Mauda II	45,800
Mandsaur Solar	-
NCTPP	-
NCTPP II	11,000
NCTPP R & M	3,700
NORTH KARANPURA	12,400
Pakri Barwadih CMB	26,600
Ramagundam I & II R & M	2,400
RAMAGUNDAM III	-
Rammam	3,100
RIHAND II	-
RIHAND III	28,300
Rihand R & M	2,500
SIMHADRI	-
Simhadari II	26,800
Simhadari R & M	900
Vidhyachal Hydro**	1,900
Singrauli R & M	1,600
Vindyachal Solar**	4,800
SIPAT I	20,500
SIPAT II	-
SOLAPUR	70,300
TALCHER I	-

(25)

Details of Allocation of corporate loans to various projects

Name of the Petitioner	
Name of the Petitioner	
Form 8- Domestic Bonds- Details of Allocation of corporate loans to	
Particulars	54
TALCHER II	12,000
Tanda II	9,000
Tanda R & M	-
Tapovan Vishnugad	26,400
Telangana	-
TSTPP R & M	1,600
TTPS R & M	1,000
Unchahar R & M	3,400
Unchahar IV	17,400
UNCHAHAR II	-
Unchahar III	-
VINDHYACHAL II	-
Vindhyachal III	-
Vindhyachal IV	17,200
Vindhyachal V	33,500
Vindhyachal R & M	1,200
DADRI SOLAR	-
A&N SOLAR	-
RAMAGUNDAM SOLAR	-
TALCHER SOLAR	-
UNCHAHAR SOLAR	-
FARIDABAD SOLAR	-
RAJGARH SOLAR	-
Talaipali Coal Mine	-
CC	
Total	1,030,683

**Statement Giving Details of Project Financed through a Combination of loan
Form 8**

TRANCHE NO

BP NO 5050000561

T00001

D00010

Unsecured Loan From HDFC Bank Ltd. V		
Source of Loan :	HDFC Bank Ltd. V	
Currency :	INR	
Amount of Loan :	25,000,000,000	
Total Drawn amount :	7,300,000,000	
Date of drawl	26.09.2018	
Interest Type :	Floating	
Fixed Interest Rate :		
Base Rate, If Floating Interest	8.45%	
Margin, If Floating Interest :	NIL	
Are there any Caps/ Floor :	Y/N	
Frequency of Intt. Payment	MONTHLY	
If Above is yes, specify Caps/ Floor :		
Moratorium Period :	6 Years	
Moratorium effective from :	26.09.2018	
Repayment Period (Inc Moratorium) :	15 Years	
Repayment Frequency :	9 Yearly Instalment	
Repayment Type :	AVG	
First Repayment Date :	25.09.2024	
Base Exchange Rate :	RUPEE	
Date of Base Exchange Rate :	N.A.	
Project Code	Project Name	Amount
	BARH-I	600,000,000
	BONGAIGAON	120,000,000
	LARA-I	2,350,000,000
	SOLAPUR	370,000,000
	TAPOVAN VISHNUGARH	250,000,000
	TELANGANA	800,000,000
	KHARGONE	1,350,000,000
	GADARWARA	850,000,000
	FARAKKA	610,000,000
	Total Allocated Amount	7,300,000,000

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**Statement Giving Details of Project Financed through a Combination of loan
Form 8**

BP NO 5050000661

TRANCHE NO

T00001

D00004

Unsecured Loan From SBI-XI		
Source of Loan :	SBI-XI	
Currency :	INR	
Amount of Loan :	50,000,000,000	
Total Drawn amount :	8,000,000,000	
Date of Drawal:	22.11.2018	
Interest Type :	Floating	
Fixed Interest Rate :	-----	
Base Rate, If Floating Interest	8.35%	
Margin, If Floating Interest :	0.00%	
Are there any Caps/ Floor :	Y/N	
Frequency of Intt. Payment	Monthly	
If Above is yes, specify Caps/ Floor :		
Moratorium Period :	3 Years	
Moratorium effective from :	22.11.2018	
Repayment Period (Inc Moratorium) :	12 Years	
Repayment Frequency :	9 Yearly Installments	
Repayment Type :	AVG	
First Repayment Date :	01.10.2022	
Base Exchange Rate :	RUPEE	
Date of Base Exchange Rate :	N.A.	
Project Code	Project Name	Amount
	BARH-I	400,000,000
	TAPOVAN VISHNUGARH	110,000,000
	BONGAIGAON	110,000,000
	SOLAPUR	200,000,000
	LARA-I	500,000,000
	GADARWARA	550,000,000
	NORTH KARANPURA	360,000,000
	DARLIPALLI	400,000,000
	TANDA-II	100,000,000
	KHARGONE	750,000,000
	TELANGANA	750,000,000
	TALAIPALI COAL MINE	70,000,000
	RAMAGUNDAM I & II R&M	360,000,000
	VINDHYACHAL R&M	140,000,000
	FARAKKA R&M	100,000,000
	KAHALGAON R&M	100,000,000
	KHARGONE	2,000,000,000
	TELANGANA	1,000,000,000
	Total Allocated Amount	8,000,000,000.00

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**Statement Giving Details of Project Financed through a Combination of loan
Form 8**

TRANCHE NO

BP NO 5050000442

T00001

D0001

Unsecured Loan From SBI-VIII		
Source of Loan :	SBI-VIII	
Currency :	INR	
Amount of Loan :	100,000,000,000	
Total Drawn amount :	5,000,000,000	
Date of Drawal:	21.01.2015	
Interest Type :	Floating	
Fixed Interest Rate :	-----	
Base Rate, If Floating Interest	D0001-3-8.25%	
Margin, If Floating Interest :		
Are there any Caps/ Floor :	Y/N	
Frequency of Intt. Payment	Monthly	
If Above is yes, specify Caps/ Floor :		
Moratorium Period :	6 Years	
Moratorium effective from :	21.01.2015	
Repayment Period (Inc Moratorium) :	15 Years	
Repayment Frequency :	9 Yearly Instalments	
Repayment Type :	AVG	
First Repayment Date :	31.01.2022	
Base Exchange Rate :	RUPEE	
Date of Base Exchange Rate :	N.A.	
Project Code	Project Name	Amount
	BARH-I	1,000,000,000
	FARAKKA R&M	250,000,000
	TSTPP R&M	400,000,000
	SINGRAULI R&M	400,000,000
	RAMAGUNDAM R&M	500,000,000
	KAWAS R&M	600,000,000
	KORBA R&M	600,000,000
	GANDHAR R&M	1,250,000,000
Total Allocated Amount		5,000,000,000.00

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Statement Giving Details of Project Financed through a Combination of loan
Form 8

BP NO 5050000531 TRANCHE NO
T00001 D0010

Unsecured Loan From SBI-IX		
Source of Loan :	SBI-IX	
Currency :	INR	
Amount of Loan :	30,000,000,000	
Total Drawn amount :	13,700,000,000	
Date of Drawal:	29.06.2018	
Interest Type :	Floating	
Fixed Interest Rate :	-----	
Base Rate, If Floating Interest	8.25%	
Margin, If Floating Interest :	0.00%	
Are there any Caps/ Floor :	Y/N	
Frequency of Intt. Payment	Monthly	
If Above is yes, specify Caps/ Floor :		
Moratorium Period :	3 Years	
Moratorium effective from :	29.06.2018	
Repayment Period (Inc Moratorium) :	12 Years	
Repayment Frequency :	9 Yearly Installments	
Repayment Type :	AVG	
First Repayment Date :	31.03.2021	
Base Exchange Rate :	RUPEE	
Date of Base Exchange Rate :	N.A.	
Project Code	Project Name	Amount
	CC F&A	6,850,000,000
	BARH-I	400,000,000
	TAPOVAN VISHNUGARH	150,000,000
	BONGAIGAON	150,000,000
	SOLAPUR	200,000,000
	LARA-I	550,000,000
	GADARWARA	1,000,000,000
	NORTH KARANPURA	600,000,000
	DARLIPALLI	450,000,000
	TANDA II	600,000,000
	RAMMAM	100,000,000
	KHARGONE	750,000,000
	TELANGANA	750,000,000
	TTPS R&M	100,000,000
	VINDHYACHAL R&M	100,000,000
	FARAKKA R&M	500,000,000
	DADRI GAS R&M	450,000,000
Total Allocated Amount		13,700,000,000.00

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**Statement Giving Details of Project Financed through a Combination of loan
Form 8**

BP NO 5050000571 TRANCHE NO
T00001 D00003

Unsecured Loan From Punjab National Bank-III		
Source of Loan :	Punjab National Bank-III	
Currency :	INR	
Amount of Loan :	20,000,000,000	
Total Drawn amount :	5,000,000,000	
Date of Drawl	13.08.2018	
Interest Type :	Floating	
Fixed Interest Rate :		
Base Rate, If Floating Interest	8.30%	
Margin, If Floating Interest :	0.00%	
Are there any Caps/ Floor :	Y/N	
Frequency of Intt. Payment	MONTHLY	
If Above is yes, specify Caps/ Floor :		
Moratorium Period :	3 Years	
Moratorium effective from :	13.08.2018	
Repayment Period (Inc Moratorium) :	12 Years	
Repayment Frequency :	9 Yearly Instalment	
Repayment Type :	AVG	
First Repayment Date :	01.02.2022	
Base Exchange Rate :	RUPEE	
Date of Base Exchange Rate :	N.A.	
Project Code	Project Name	Amount
	BARH-I	300,000,000.00
	SOLAPUR	200,000,000.00
	TANDA-II	200,000,000.00
	TALLAIPALLI	500,000,000.00
	SINGRAULI R&M	800,000,000.00
	FARAKKA R&M	800,000,000.00
	RIHAND R&M	500,000,000.00
	DADRI GAS R&M	400,000,000.00
	KORBA R&M	400,000,000.00
	RAMAGUNDAM R&M	400,000,000.00
	VINDHAYACHAL R&M	300,000,000.00
	UNCHAHAH R&M	200,000,000.00
Total Allocated Amount		5,000,000,000.00

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Year wise Statement of Additional Capitalisation after COD

Name of the Petitioner	NTPC Limited		
Name of the Generating Station	Farakka Super Thermal power Station Stage-I&II		
COD	1/1/1996		
For Financial Year	2019-24 (Summary)		

Sl. No.	Head of Work /Equipment	ACE Claimed (Projected)				Regulation under which claimed	Justification	Amount in Rs Lakh
		2019-20	2020-21	2021-22	2022-23			
1	2	3	4	5	6	7	8	9
A. Works under Original scope, Change in Law etc. eligible for RoE at Normal Rate								
1	Ash dyke raising	582.43	70.00	4,200.00	3,000.00	700.00	As per Form-9 19-20	
2	FIRE DETECTION AND PROTECTION SYSTEM	-	290.24	1,457.85	-	-	25(1) (c) &(g)	
3	DAETP FOR UNIT# 1, 4 & 5	-	8,261.15	646.90	-	-	26(1) (b) & 26(1)(d)	
4	INERT GAS FIRE EXTINGUISHING SYSTEM	-	163.23	-	-	-	26(1)(b)	
	Total (A)	582.43	8,784.62	6,304.75	3,000.00	700.00	As per Form-9 20-21	
B. Works beyond Original scope excluding add-cap due to Change in Law eligible for RoE at Wtd. Average rate of Interest								
	Total (B)	-	-	-	-	-		
	Total Add. Cap. Claimed (A+B)	582.43	8,784.62	6,304.75	3,000.00	700.00		

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(Petitioner)

Year wise Statement of Additional Capitalisation after COD

Name of the Petitioner	NTPC Limited		
Name of the Generating Station	Farakka Super Thermal power Station Stage-I&II		
COD	1/1/1996		
For Financial Year	2019-20		

Sl. No.	Head of Work /Equipment	ACE Claimed (Actual / Projected)			Regulations under which claimed	Justification	Amount in Rs Lakh		
		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 under Original scope, Change in Law etc. eligible for RoE at Normal Rate									
1	Ash dyke raising	582.43		582.43	582.43	25(1) (c) & 25(1) (g)	The said amount has been projected against the Ash Dyke raising and other ash dyke related works within the original scope of work required to be done periodically by way of disposal for running of the plant. The Works associated are Ash Dyke raising with Ash and earth covering, Construction of sand blanket and sand chimney, Construction of rock toe, inner slope with flat ash brick pitching and outer slope with grass etc. The Hon'ble Commission may be pleased to allow the capitalization of ash dyke related works under Regulation 25(1) (c) & 25(1) (g) of Tariff Regulation 2019.		
Total (A)		582.43	-	582.43	-				
B. Works beyond Original scope excluding add-cap due to Change in Law eligible for RoE at Wtd. Average rate of Interest									
6									
Total (B)		-	-	-	-				
Total Add. Cap. Claimed (A+B)		582.43	-	582.43	-				

[Signature]
(Petitioner)

Year wise Statement of Additional Capitalisation after COD

Name of the Petitioner	NTPC Limited				
Name of the Generating Station	Farakka Super Thermal power Station Stage-I&II				
COD	1/1/1996				
For Financial Year	2020-21				

Sl. No.	Head of Work /Equipment	Accrual basis as per IGAAP	ACE Claimed (Actual / Projected) under management Liability included in col. 4	Cash basis included in col. 3	IDC included in col. 3	Regulations under which claimed	Justification	Amount in Rs Lakh Admitted Cost by the Commission, if any	
								5-(3-4)	6
A. Works under Original scope, Change in Law etc. eligible for RoE at Normal Rate									
1	Ash dyke raising	70.00		70.00		25(1) (c) & 25(t) (g)	The said amount has been projected against the Ash Dyke raising and other ash dyke related works within the original scope of work required to be done periodically by way of disposal for running of the plant. The Works associated are Ash Dyke raising with Ash and earth covering, Construction of sand blanket and sand chimney, Construction of rock toe, inner slope with flat ash brick pitching and outer slope with grass etc. The Hon'ble Commission may be pleased to allow the capitalization of ash dyke related works under Regulation 25(1) (c) & 25(1) (g) of Tariff Regulation 2019.		
2	FIRE DETECTION AND PROTECTION SYSTEM	290.24		290.24		26(1) (b) & 26(1)(d)	The petitioner has claimed Augmentation of Fire protection system under Regulation Change in law and Safety & Security of 2014 Tariff Regulations in 2014-19. Petitioner had submitted that Augmentation of fire protection system of Coal Handling Plant (CHP) and Stack Reclaimer area in line with regulation 12(5) of CEA (Technical Standards for construction of Electrical Plants and Electric Lines) Regulations, 2010 and essentially required to prevent any catastrophic damage in case fire breaks out in CHP as existence of coal in CHP area makes it vulnerable to fire hazard and mobile fire protection equipment may not be able to control the spread of fire. Hon'ble Commission vide order dated 10.03.2017 had the view that the matter needs to be examined in the larger perspective i.e. whether the CEA Regulations 2010 and 2011 are applicable to the existing generating stations and if so, whether the implementation of the augmentation of fire fighting system should be considered as Change in law and is required for Safety and security of the plant in terms of Regulation 14(3)(ii) and (iii) of the 2014 Tariff Regulations. Accordingly, the Hon'ble Commission had decided to consult the CEA in this regard. Pending clarification in the matter, the claim of the petitioner had not been decided in this said order. Further, Hon'ble Commission said that if on the basis of the report of the CEA, the Commission comes to a decision to allow the expenditure for augmentation of fire fighting/protection system under Change in law and for Safety and security of the plant, and in that event, the claim of the petitioner shall be considered at the time of true-up of tariff in terms of Regulation 8 of the 2014 Tariff Regulations. It is submitted that only some of the work completed during tariff period 2014-19. This is the work pending in wagon tripler area. The Hon'ble Commission may be pleased to allow the capitalization of said works under Regulation 26 (1) (g) of Tariff Regulation 2019.		

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Year wise Statement of Additional Capitalisation after COD

Name of the Petitioner	NTPC Limited		
Name of the Generating Station	Farakka Super Thermal power Station Stage-I&II		
COD	1/1/1996		
For Financial Year	2020-21		

Sl. No.	Head of Work /Equipment	Accrual basis as per IGAAP	ACE Claimed (Actual / Projected) on uncharged Liability included in col. 4	Cash basis included in col. 5	IDC included in col. 6	Regulations under which claimed	Justification	Amount in Rs Lakh	
								Admitted Cost by the Commission, if any	9
1	2	3	4	5	6	7	8	9	
A. Works under Original scope, Change in Law etc. eligible for RoE at Normal Rate									
3	DAETP FOR UNIT# 1, 4 & 5	8,261.15		8261.15		26(1) (b)	Dry Ash Extraction system, which is a standard fitment for all new power plants, is towards achievement of 100% ash utilization as per MOEF notification dated 25.01.2016.(Attached as Annexure-A). The installation of the same would help increased utilization of dry fly ash. Presently fly ash evacuation system of the units of Stage -I&II are operating on slurry system(Wet). The wet system is required to be modified and converted in to dry ash evacuation system. Further, Hon'ble Commission has allowed the same work in some of the petitioner's stations such as Tanda TPS(Order dated 21.03.2017 in petition no 366/GT/2017) & Talcher STPS-II (Order dated 16.02.2017 in petition no 293/GT/2014) etc. under change in Law. Being a compliance of status, it is prayed that Hon'ble Commission may please allow the same as additional capital expenditure in tariff of the instant station.		
4	INERT GAS FIRE EXTINGUISHING SYSTEM	163.23		163.23		26(1) (b)	Halon fire protection system is provided for permanent fire fighting system and uses substances which are Ozone depleting in nature. It has submitted that as per the Environment (Protection) Act 1986, the Central Government laid down rules for Ozone Depleting Substances (Regulation and Control) Rules, 2000) and as per the Montreal Protocol on substances that deplete the Ozone layer, plants using Ozone depleting substances must phase out these systems and adopt systems which use substances that do not deplete the Ozone layer. Accordingly, the petitioner submits that the replacement of Halon gas fire protection system with alternate inert gas shall be taken up in line with Central Electricity Authority (Technical Standards for construction of Electrical Plants and Electric Lines) Regulation, 2010. Further, Hon'ble Commission has allowed the same work in some of the petitioner's stations such as Talcher STPS-I (Order dated 27.07.2016 in petition no 281/GT/2014) . In view of the same, it is prayed that the Commission may be pleased to allow capitalization of inert gas fire extinguishing system under Regulation 26(1)(b) of the 2019 Tariff Regulations.		
Total (A)		8,784.62	-	8,784.62	-				
B. Works beyond Original scope excluding add-cap due to Change in Law eligible for RoE at Wtd. Average rate of Interest									
5	Total (B)	-	-	-	-				
Total Add. Cap. Claimed (A+B)		8,784.62	-	8,784.62	-				

(Petitioner)




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Year wise Statement of Additional Capitalisation after COD

Name of the Petitioner	NTPC Limited	
Name of the Generating Station	Farakka Super Thermal power Station Stage-I&II	
COD	1/1/1996	
For Financial Year	2021-22	

Sl. No.	Head of Work /Equipment	Accrual basis as per IGAAP	ACE Claimed (Actual / Projected)		Regulations under which claimed	Justification	Amount in Rs Lakh Admitted Cost by the Commission, if any
			Un-discharged Liability included in col. 3	Cash basis included in col. 3			
1	2	3	4	5= (3-4)	7	8	9
A. Works under Original scope, Change in Law etc. eligible for RoE at Normal Rate							
1	Ash dyke raising	4200.00		4200.00	25(1) (c) & (g)	As per Form-9 19-20	
2	DAETP FOR UNIT# 1, 4 & 5	1,457.85		1457.85	26(1) (b)	As per Form-9 19-20	
3	INERT GAS FIRE EXTINGUISHING SYSTEM	646.90		646.90	26(1) (b)	As per Form-9 19-20	
	Total (A)	6,304.75	-	6,304.75			
B. Works beyond Original scope excluding add-cap due to Change in Law eligible for RoE at Wtd. Average rate of Interest							
4	Total (B)	-	-	-			
Total Add. Cap. Claimed (A+B)		6,304.75	-	6,304.75			


 (Petitioner)

Year wise Statement of Additional Capitalisation after COD

Name of the Petitioner	NTPC Limited	
Name of the Generating Station	Farakka Super Thermal power Station Stage-I&II	
COD	1/1/1996	
For Financial Year	2022-23	

Sl. No.	Head of Work /Equipment	Amount in Rs Lakh				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 under Original scope, Change in Law etc. eligible for RoE at Normal Rate								
1	Ash dyke raising	3000.00		3000.00		25(1) (c) &(g)	As per Form-9 19-20	
	Total (A)	3,000.00	-	3,000.00	-			
B. Works beyond Original scope excluding add-cap due to Change in Law eligible for RoE at Wtd. Average rate of Interest								
2								
	Total (B)	-	-	-	-			
	Total Add. Cap. Claimed (A+B)	3,000.00	-	3,000.00	-			

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(Petitioner)

Year wise Statement of Additional Capitalisation after COD

Name of the Petitioner: **NTPC Limited**
 Name of the Generating Station: **Farakka Super Thermal power Station Stage-I&II**
 COD: **1/1/1996**
 For Financial Year: **2023-24**

Sl. No.	Head of Work /Equipment	Accrual basis as per IGAAP	Un-discharged Liability included in col. 3	ACE Claimed (Actual / Projected)			Regulations under which claimed	Justification	Amount in Rs Lakh Admitted Cost by the Commission, if any
				Cash basis	IDC included in col. 3	5= (3-4)			
1	2	3	4	5= (3-4)	6	7	8	9	
A. Works under Original scope, Change in Law etc. eligible for RoE at Normal Rate									
1	Ash dyke raising	700.00		700.00			25(1) (c) &(g)	As per Form-9 19-20	
	Total (A)	700.00		700.00					
B. Works beyond Original scope excluding add-cap due to Change in Law eligible for RoE at Wtd. Average rate of Interest									
2									
	Total (B)								
	Total Add. Cap. Claimed (A+B)	700.00		700.00					

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(Petitioner)

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Name of the Petitioner	NTPC Limited										
Name of the Generating Station	Farakka Super Thermal power Station Stage-I&II										
Date of Commercial Operation	1/1/1996										

Financial Year (Starting from COD)1	Amount in Rs Lakh										
	Actual					Admitted					
	2019-20	2020-21	2021-22	2022-23	2023-24	2019-20	2020-21	2021-22	2022-23	2023-24	
1		3	4	5	6	7	8	9	10	11	

Amount capitalised in Work/ Equipment

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

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

Signature

(Petitioner)

Statement of Depreciation

Name of the Company :	NTPC Limited							
Name of the Power Station :	Farakka Super Thermal power Station Stage-I&II							

S. No.	Particulars	Existing 2018-19	2019-20	2020-21	2021-22	2022-23	(Amount in Rs Lakh)	
							2022-23	2023-24
1	2	3	4	5	6	7	8	
1	Opening Capital Cost	320317.87	321,352.03	321,934.46	330,719.08	337,023.83	340,023.83	
2	Closing Capital Cost	321352.03	321,934.46	330,719.08	337,023.83	340,023.83	340,723.83	
3	Average Capital Cost	320834.95	321,643.25	326,326.77	333,871.46	338,523.83	340,373.83	
1a	Cost of IT Equipments & Software included in (1) above*		-	-	-	-	-	
2a	Cost of IT Equipments & Software included in (2) above*		-	-	-	-	-	
3a	Average Cost of IT Equipments & Software		-	-	-	-	-	
4	Freehold land	802.35	802.35	802.35	802.35	802.35	802.35	802.35
5	Rate of depreciation		-	-	-	-	-	
6	Depreciable value	288,494.71	288,756.81	292,971.98	299,762.19	303,949.33	305,614.33	
7.	Balance useful life at the beginning of the period	1.00	-	-	-	-	-	
8	Remaining depreciable value	4,123.27	727.46	4,215.17	6,790.22	4,187.14	1,665.00	
9	Depreciation (for the period)	4,123.27	727.46	4,215.17	6,790.22	4,187.14	1,665.00	
10	Depreciation (annualised)	4,123.27	727.46	4,215.17	6,790.22	4,187.14	1,665.00	
11	Cumulative depreciation at the end of the period	288,41.67	288,756.81	292,971.98	299,762.19	303,949.33	305,614.33	
12	Less: Cumulative depreciation adjustment on account of un-discharged liabilities deducted as on 01.04.2009	0.00	-	-	-	-	-	
13	Add: Cumulative depreciation adjustment on account of liability Discharge	0.00	-	-	-	-	-	
14	Less: Cumulative depreciation adjustment on account of de-capitalisation	12.32	-	-	-	-	-	
15	Net Cumulative depreciation at the end of the period after adjustments	288,029.35	288,756.81	292,971.98	299,762.19	303,949.33	305,614.33	

*Shall be provided at the time of true up



(Petitioner)

**PART-I
FORM-13**

Calculation of Interest on Actual Loans

Name of the Company

NTPC Limited

Name of the Power Station

Farakka

(Amount in lacs)

Sl. no.	Particulars	2019-20	2020-21	2021-22	2022-23	2023-24
1	Bond Series 54					
	Gross loan - Opening	2000.00	2000.00	2000.00	2000.00	2000.00
	Cumulative repayments of Loans upto previous year	0.00	0.00	0.00	0.00	400.00
	Net loan - Opening	2000.00	2000.00	2000.00	2000.00	1600.00
	Addition					
	Repayments of Loans during the year	0.00	0.00	0.00	400.00	800.00
	Net loan - Closing	2000.00	2000.00	2000.00	1600.00	800.00
	Average Net Loan	2000.00	2000.00	2000.00	1800.00	1200.00
	Rate of Interest on Loan	8.5200%	8.5200%	8.5200%	8.5200%	8.5200%
	Interest on loan	170.40	170.40	170.40	153.36	102.24
2	HDFC Bank Ltd. V					
	Gross loan - Opening	6100.00	6100.00	6100.00	6100.00	6100.00
	Cumulative repayments of Loans upto previous year	0.00	0.00	0.00	0.00	0.00
	Net loan - Opening	6100.00	6100.00	6100.00	6100.00	6100.00
	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	6100.00	6100.00	6100.00	6100.00	6100.00
	Average Net Loan	6100.00	6100.00	6100.00	6100.00	6100.00
	Rate of Interest on Loan	8.4500%	8.4500%	8.4500%	8.4500%	8.4500%
	Interest on loan	515.45	515.45	515.45	515.45	515.45
3	SBI-XI					
	Gross loan - Opening	1000.00	1000.00	1000.00	1000.00	1000.00
	Cumulative repayments of Loans upto previous year	0.00	0.00	0.00	0.00	111.11
	Net loan - Opening	1000.00	1000.00	1000.00	1000.00	888.89
	Addition	0.00	0.00	0.00	0.00	0.00
	Repayments of Loans during the year	0.00	0.00	0.00	111.11	111.11
	Net loan - Closing	1000.00	1000.00	1000.00	888.89	777.78
	Average Net Loan	1000.00	1000.00	1000.00	944.44	833.33
	Rate of Interest on Loan	8.3500%	8.3500%	8.3500%	8.3500%	8.3500%
	Interest on loan	83.50	83.50	83.50	78.86	69.58

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**PART-I
FORM-13**

Calculation of Interest on Actual Loans

Name of the Company		NTPC Limited				
Name of the Power Station		Farakka				
		(Amount in lacs)				
Sl. no.	Particulars	2019-20	2020-21	2021-22	2022-23	2023-24
4	SBI-VIII					
	Gross loan - Opening	2500.00	2500.00	2500.00	2500.00	2500.00
	Cumulative repayments of Loans upto previous year				277.78	555.56
	Net loan - Opening	2500.00	2500.00	2500.00	2222.22	1944.44
	Addition					
	Repayments of Loans during the year	0.00	0.00	277.78	277.78	277.78
	Net loan - Closing	2500.00	2500.00	2222.22	1944.44	1666.67
	Average Net Loan	2500.00	2500.00	2361.11	2083.33	1805.56
	Rate of Interest on Loan	8.2500%	8.2500%	8.2500%	8.2500%	8.2500%
	Interest on loan	206.25	206.25	194.79	171.88	148.96
5	SBI-IX					
	Gross loan - Opening	5000.00	5000.00	5000.00	5000.00	5000.00
	Cumulative repayments of Loans upto previous year	0.00	0.00	555.56	1111.11	1666.67
	Net loan - Opening	5000.00	5000.00	4444.44	3888.89	3333.33
	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	3888.89	3333.33	2777.78
	Average Net Loan	5000.00	4722.22	4166.67	3611.11	3055.56
	Rate of Interest on Loan	8.2500%	8.2500%	8.2500%	8.2500%	8.2500%
	Interest on loan	412.50	389.58	343.75	297.92	252.08
6	Punjab National Bank-III					
	Gross loan - Opening	8000.00	8000.00	8000.00	8000.00	8000.00
	Cumulative repayments of Loans upto previous year		0.00	0.00	888.89	1777.78
	Net loan - Opening	8000.00	8000.00	8000.00	7111.11	6222.22
	Addition	0.00	0.00	0.00	0.00	0.00
	Repayments of Loans during the year	0.00	0.00	888.89	888.89	888.89
	Net loan - Closing	8000.00	8000.00	7111.11	6222.22	5333.33
	Average Net Loan	8000.00	8000.00	7555.56	6666.67	5777.78
	Rate of Interest on Loan	8.3000%	8.3000%	8.3000%	8.3000%	8.3000%
	Interest on loan	664.00	664.00	627.11	553.33	479.56

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PART-I
FORM-13

Calculation of Interest on Actual Loans

Name of the Company
Name of the Power Station

NTPC Limited
Farakka

(Amount in lacs)

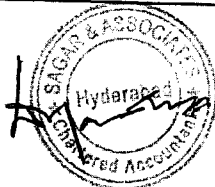
Sl. no.	Particulars	2019-20	2020-21	2021-22	2022-23	2023-24
TOTAL LOAN						
	Gross loan - Opening	24600.00	24600.00	24600.00	24600.00	24600.00
	Cumulative repayments of Loans upto previous year	0.00	0.00	555.56	2277.78	4511.11
	Net loan - Opening	24600.00	24600.00	24044.44	22322.22	20088.89
	Addition	0.00	0.00	0.00	0.00	0.00
	Repayments of Loans during the year	0.00	555.56	1722.22	2233.33	2633.33
	Net loan - Closing	24600.00	24044.44	22322.22	20088.89	17455.56
	Average Net Loan	24600.00	24322.22	23183.33	21205.56	18772.22
	Rate of Interest on Loan	8.3419%	8.3429%	8.3465%	8.3506%	8.3521%
	Interest on loan	2052.10	2029.18	1935.00	1770.80	1567.87

Petition

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REVISED		FORM - 15			ANNEXURE - B
Details / Information to be provided to beneficiaries under Clause (7) of Regulation 30 of CERC (Terms & Conditions of Tariff) RegulationS-2014					
Details / Information to be submitted in respect of Fuel for Consumption of Energy Charges					
NAME OF THE PETITIONER :		NTPC LIMITED			
NAME OF THE GENERATING STATION :		FARAKKA SUPER THERMAL POWER STATION (St- I& II)			
Month :		OCT'18 as on 22.04.2019			
S.No.	Particulars	Unit	Domestic Coal		Imported Coal
			Supplies by MGR (I)	Supplies by Rail (II)	
1	Quantity of coal supplied by the coal Company inclusive of opening stock of coal	MT	890648.13		2995.16
2	Adjustment (+/-) in quantity supplied made by Coal Company	MT	-3140.22	0.00	0.00
3	Coal supplied by Coal Company inclusive of opening stock of coal (1+2)	MT	887507.91		2995.16
4	Normative transit & Handling losses	MT	858.46	3691.36	5.99
5	Net Coal supplied (3-4)	MT	882958.10		2989.17
6	Amount charged by the Coal company *	Rs.	2721700565.80		15311687.91
7	Adjustment (+/-) in amount charged by coal Company	Rs.			0.00
8	Total Amount charged (6+7)	Rs.	2721700565.80		15311687.91
9	Transportation charges by Rail / Ship / Road Transport	Rs.	309156914.06		
10	Adjustment (+/-) in amount charged by railways / transport company	Rs.			0.00
11	Demurrage charges, if any	Rs.	0.00		0.00
12	Cost of diesel in transporting Coal through MGR system	Rs.	25598550.45		0.00
13	Total transportation charges (9 +/- 10 - 11 + 12)	Rs.	334755464.51		0.00
13A	Others (Stone picking charge, Loco drivers salary, Sampling ch etc.) #		36996308.98		25876.73
14	Total amount charged for Coal / Lignite supplied including transportation (8 + 13)	Rs.	3093452339.29		15337564.64
15	Landed Cost	(Rs./ MT)	3503.51		5131.05
16	Blending Ratio		99.56		0.44
17	Weighted average cost of Coal	(Rs./ MT)	3510.59		
18	GCV of Domestic Coal as per bill of Coal Co. (Equip. basis)	Kcal/Kg	4770		
19	GCV of Imported Coal as per bill of Coal Co. (AD basis)	Kcal/Kg			5690
20	Weighted Average GCV of Coal as Billed (Domestic Equip. Basis & Imported-AD Basis)	Kcal/Kg	4773		
21	GCV of Domestic Coal as received at Station(TM basis)	Kcal / Kg	3652		
22	GCV of Imported Coal as received at Station (TM basis)	Kcal / Kg			4662
23	Weighted Average GCV of Coal as Received at station (TM basis)	Kcal/Kg	3652		

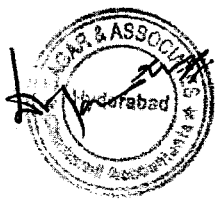
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A Sengupta
AGM (Fin)
SSC ER-1: Barh



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REVISED		FORM - 15			ANNEXURE - B	
Details / Information to be provided to beneficiaries under Clause (7) of Regulation 30 of CERC (Terms & Conditions of Tariff) RegulationS-2014						
Details /Information to be submitted in respect of Fuel for Consumption of Energy Charges						
NAME OF THE PETITIONER :		NTPC LIMITED				
NAME OF THE GENERATING STATION :		FARAKKA SUPER THERMAL POWER STATION (St- I& II)				
Month :		NOV'18 as on 22.04.2019				
S.No.	Particulars	Unit	Domestic Coal			Imported Coal
			Supplies by MGR (I)	Supplies by Rail (II)	E-auction coal (III)	
1	Quanty of coal supplied by the coal Company inclusive of opening stock of coal	MT	858973.32			3573.77
2	Adjustment (+/-) in quantity supplied made by Coal Company	MT	-3579.68	0.00		0.00
3	Coal supplied by Coal Company inclusive of opening stock of coal (1+2)	MT	855393.64			3573.77
4	Normative transit & Handling losses	MT	677.48	3690.76		7.15
5	Net Coal supplied (3-4)	MT	851025.40			3566.62
6	Amount charged by the Coal company *	Rs.	2681086278.71			18266118.15
7	Adjustment (+ / -) in amount charged by coal Company	Rs.				0.00
8	Total Amount charged (6+7)	Rs.	2681086278.71			18266118.15
9	Transportation charges by Rail / Ship / Road Transport	Rs.	327693527.65			
10	Adjustment (+/-) in amount charged by railways / transport company	Rs.				0.00
11	Demurrage charges, if any	Rs.	0.00			0.00
12	Cost of diesel in transporting Coal through MGR system	Rs.	24536120.40			0.00
13	Total transportation charges (9 +/- 10 - 11 + 12)	Rs.	352229648.05			0.00
13A	Others (Stone picking charge , Loco drivers salary , Sampling ch etc.) #		36519345.64			34384.90
14	Total amount charged for Coal / Lignite supplied including transportation (8 + 13)	Rs.	3069835272.40			18300503.05
15	Landed Cost	(Rs./ MT)	3607.22			5131.05
16	Blending Ratio		99.57			0.43
17	Weighted average cost of Coal	(Rs./ MT)	3613.73			
18	GCV of Domestic Coal as per bill of Coal Co. (Equip. basis)	Kcal/Kg	4870			
19	GCV of Imported Coal as per bill of Coal Co. (AD basis)	Kcal/Kg				5690
20	Weighted Average GCV of Coal as Billed (Domestic Equip. Basis & Imported-AD Basis)	Kcal/Kg	4874			
21	GCV of Domestic Coal as received at Station(TM basis)	Kcal / Kg	3733			
22	GCV of Imported Coal as received at Station (TM basis)	Kcal / Kg				4662
23	Weighted Average GCV of Coal as Received at station (TM basis)	Kcal/Kg	3738			

19/22/4/19
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AGM (Fin)
SSC ER-1: Barh



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REVISED		FORM - 15			ANNEXURE - B	
Details / Information to be provided to beneficiaries under Clause (7) of Regulation 30 of CERC (Terms & Conditions of Tariff) RegulationS-2014						
Details /Information to be submitted in respect of Fuel for Consumption of Energy Charges						
NAME OF THE PETITIONER :		NTPC LIMITED				
NAME OF THE GENERATING STATION : FARAKKA SUPER THERMAL POWER STATION (St- I & II)						
Month : DEC'18 as on 22.04.2019						
S.No.	Particulars	Unit	Domestic Coal			Imported Coal
			Supplies by MGR (I)	Supplies by Rail (II)	E-auction coal (III)	
1	Quantity of coal supplied by the coal Company inclusive of opening stock of coal	MT	880571.56			7851.28
2	Adjustment (+/-) in quantity supplied made by Coal Company	MT	-2366.31	0.00		0.00
3	Coal supplied by Coal Company inclusive of opening stock of coal (1+2)	MT	878205.25			7851.28
4	Normative transit & Handling losses	MT	709.33	4055.38		15.70
5	Net Coal supplied (3-4)	MT	873440.54			7835.57
6	Amount charged by the Coal company *	Rs.	3024013215.93			40101517.44
7	Adjustment (+ / -) in amount charged by coal Company	Rs.				0.00
8	Total Amount charged (6+7)	Rs.	3024013215.93			40101517.44
9	Transportation charges by Rail / Ship / Road Transport	Rs.	349521680.59			
10	Adjustment (+/-) in amount charged by railways / transport company	Rs.				0.00
11	Demurrage charges, if any	Rs.	0.00			0.00
12	Cost of diesel in transporting Coal through MGR system	Rs.	21035541.60			0.00
13	Total transportation charges (9 +/- 10 - 11 + 12)	Rs.	370557222.19			0.00
13A	Others (Stone picking charge , Loco drivers salary , Sampling ch etc.) #		35817323.26			103201.40
14	Total amount charged for Coal / Lignite supplied including transportation (8 + 13)	Rs.	3430387761.38			40204718.84
15	Landed Cost	(Rs./ MT)	3927.44			5131.05
16	Blending Ratio		99.11			0.89
17	Weighted average cost of Coal	(Rs./ MT)	3938.15			
18	GCV of Domestic Coal as per bill of Coal Co. (Equip. basis)	Kcal/Kg	4984			
19	GCV of Imported Coal as per bill of Coal Co. (AD basis)	Kcal/Kg				5672
20	Weighted Average GCV of Coal as Billed (Domestic Equip. Basis & Imported-AD Basis)	Kcal/Kg	4990			
21	GCV of Domestic Coal as received at Station(TM basis)	Kcal / Kg	4088			
22	GCV of Imported Coal as received at Station (TM basis)	Kcal / Kg				4662
23	Weighted Average GCV of Coal as Received at station (TM basis)	Kcal/Kg	4095			

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Details of Secondary Fuel for Computation of Energy Charges

Name of the Company :		NTPC Limited			
Name of the Power Station :		Farakka Super Thermal power Station Stage-I & II			
Sl.No.	Month	Unit	Oct-18 HFO	Nov-18 HFO	Dec-18 HFO
1	Opening Stock of Oil	KL	6690	5839	8006.65
2	Value of Opening Stock	(Rs)	212001099	185047746	293298605
3	Quantity of Oil supplied by Oil Company	KL			
4	Adjustment(+/-) in quantity supplied made by Oil Company	KL			
5	Oil supplied by Oil Company (3+4)	KL			
6	Normative Transit & Handling Losses	KL			
7	Net Oil Supplied (4-6)	KL			
8	Amount charged by the Oil Company	(Rs)			
9	Adjustment(+/-) in amount charged made by Oil Company	(Rs)			
10	Total amount charged (8+9)	(Rs)			
11	Transportation charges by rail / ship / road transport	(Rs)			
12	Adjustment (+/-) in amount charged made by Railways/Transport Company	(Rs)			
13	Demurrage Charges, if any	(Rs)			
14	Total Transportation Charges (11+/-12+13)	(Rs)			
15	Total amount Charged for fuel supplied including Transportation (10+14)	(Rs)			
16	Weighted average GCV of Oil as received	(kCal/L)	9820	9740	9810
17	Quantity of oil at the station for the Month (1+7)	KL	6690	5839	8007
18	Total Amount Charged for Oil (2+15)	(Rs)	212001099	185047746	293298605
19	Weighted average rate of Secondary Fuel	Rs/KL	31691.19	31691.20	36631.88

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Computation of Energy Charges

Form-15B
ADDITIONAL FORM

Name of the Company	NTPC Limited
Name of the Power Station	Farakka Super Thermal power Station Stage-I&II

Computation of Energy Charges

- Rate of Energy Charge from Sec. Fuel Oil/ Alternate Fuel (p/kwh) = $(Q_o)_h \times P_s$ 1.667
- Heat Contribution from SFO / Alternate Fuel (H_o) = $(Q_o)_h \times (GCV)_s$ 4.895
- Heat Contribution from coal (H_p) = $GHR - H_o$ 2400.11
- Specific Primary Fuel Consumption (Q_p) = $H_p / (GCV)_p$ 0.641
- Rate of Energy charge from Primary Fuel (p/kwh) = $(Q_p)_h \times (REC)_p$ 236.373
- Rate of Energy charge ex-bus (p/kWh) = $\frac{(REC)_s + (REC)_p}{1 - (AUX)}$ 255.353

	2019-20	2020-21	2021-22	2022-23	2023-24
No of Days in the year	366	365	365	365	366
Sp. Oil consumption ml/kwh	0.5	0.5	0.5	0.5	0.5
Auxiliary consumption %	6.7800	6.78	6.78	6.78	6.78
Heat Rate Kcal/Kwh	2,405.00	2,405.00	2,405.00	2,405.00	2,405

Computation of Variable Charges

Variable Charge (Coal) p/kwh	253.565	253.565	253.565	253.565	253.565
Variable Charge (Oil) p/kwh	1.788	1.788	1.788	1.788	1.788
Total p/kwh	255.353	255.353	255.353	255.353	255.353

Price of fuel from Form-15/15A

Coal Cost (Rs./MT)	3687.34	3687.34	3687.34	3687.34	3687.34
Oil Cost (Rs./KL)	33338.09	33338.09	33338.09	33338.09	33338.09

Computation of Fuel Expenses for Calculation of IWC:

ESO in a year (MUs)	11136.28	11105.86	11105.86	11105.86	11136.285
ESO for 40 days (MUs)	1217.080	1217.080	1217.08	1217.08	1217.080
Cost of coal for 40 Days (Rs. Lakh)	30860.91	30860.91	30860.91	30860.91	30860.91
Cost of oil for 2 months (Rs. Lakh)	331.89	330.98	330.98	330.98	331.89
Energy Expenses for 45 days (Rs. Lakh)	34963.36	34963.36	34963.36	34963.36	34963.36

Coal	3rd month	2nd month	1st month	Wtd. Avg.
Wtd. Avg. Price of Coal Rs./MT	3509.00	3613.58	3938.10	3687.34
Wtd. Avg. GCV of Coal as received kCal/Kg	3652.00	3738.00	4095.00	3829.09
Wtd. Avg. GCV of Coal as received after adjustment of 85 kcal/kg				3744.09
Sec. Oil				
Wtd. Avg. Price of Secondary Fuel Rs/KL	31691.19	31691.20	36631.88	33338.09
Wtd. Avg. GCV of Secondary Fuel kCal/L	9820.00	9740.00	9810.00	9790.00

Signature

PETITIONER

Signature

Name of the Petitioner
Name of the Generating Station

NTPC Limited
Farakka Super Thermal power Station Stage-I&II

Statement of Capital cost

(Amount in Rs. Lakh)

S. No.	Particulars	As on relevant date		
		Accrual Basis	Un-discharged Liabilities	Cash Basis
A	a) Opening Gross Block Amount as per books	386526.30		
	b) Amount of IDC in A(a) above	1830.29		
	c) Amount of FC in A(a) above	0.00		
	d) Amount of FERV in A(a) above	138.86		
	e) Amount of Hedging Cost in A(a) above	0.00		
	f) Amount of IEDC in A(a) above	0.00		
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)			
	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)

Name of the Petitioner NTPC Ltd
Name of the Generating Station Farakka Super Thermal power Station Stage-I&II

Statement of Capital Woks in Progress

(Amount in Rs. Lakh)

S. No.	Particulars	As on relevant date		
		Accrual Basis	Un-discharged Liabilities	Cash Basis
A	a) Opening CWIP as per books	28470.82		
	b) Amount of IDC in A(a) above	1421.99		
	c) Amount of FC in A(a) above	0.00		
	d) Amount of FERV in A(a) above	292.58		
	e) Amount of Hedging Cost in A(a) above	0.00		
	f) Amount of IEDC in A(a) above	0.00		
B	a) Addition in CWIP during the period			
	b) Amount of IDC in B(a) above			
	c) Amount of FC in B(a) above			
	d) Amount of FERV in B(a) above			
	e) Amount of Hedging Cost in B(a) above			
	f) Amount of IEDC in B(a) above			
C	a) Transferred to Gross Block Amount during the period			
	b) Amount of IDC in C(a) above			
	c) Amount of FC in C(a) above			
	d) Amount of FERV in C(a) above			
	e) Amount of Hedging Cost in C(a) above			
	f) Amount of IEDC in C(a) above			
D	a) Deletion in CWIP during the period			
	b) Amount of IDC in D(a) above			
	c) Amount of FC in D(a) above			
	d) Amount of FERV in D(a) above			
	e) Amount of Hedging Cost in D(a) above			
	f) Amount of IEDC in D(a) above			
E	a) Closing CWIP as per books			
	b) Amount of IDC in E(a) above			
	c) Amount of FC in E(a) above			
	d) Amount of FERV in E(a) above			
	e) Amount of Hedging Cost in E(a) above			
	f) Amount of IEDC in E(a) above			

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(Petitioner)

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Calculation of Interest on Normative Loan

Name of the Company :		NTPC Limited							
Name of the Power Station :		Farakka Super Thermal power Station Stage-I&II							
S. No.	Particulars	Existing	2019-20	2020-21	2021-22	2022-23	2023-24	(Amount in Rs Lakh)	
		2018-19	4	5	6	7	8		
1	Gross Normative loan – Opening	163,448.77	164,172.68	164,580.38	170,729.62	175,142.94	177,242.94		
2	Cumulative repayment of Normative loan up to previous year	163,448.77	164,172.68	164,580.38	168,795.55	175,142.94	177,242.94		
3	Net Normative loan – Opening	-	-	-	1,934.06	-	-		
4	Add: Increase due to addition during the year / period	689.28	407.70	6,149.23	4,413.33	2,100.00	490.00		
5	Less: Decrease due to de-capitalisation during the year / period	43.12	0.00	0.00	0.00	0.00	0.00		
6	Less: Decrease due to reversal during the year / period								
7	Add: Increase due to discharges during the year / period	77.76	0.00	0.00	0.00	0.00	0.00		
8	Less: Repayment of Loan	767.03	407.70	4,215.17	6,347.39	2,100.00	490.00		
9	Net Normative loan - Closing	0.00	0.00	1934.06	0.00	0.00	0.00		
10	Average Normative loan	0.00	0.00	967.03	967.03	0.00	0.00		
11	Weighted average rate of interest	5.1038	8.3419	8.3429	8.3465	8.3506	8.3521		
12	Interest on Loan	0.00	0.00	80.68	80.71	0.00	0.00		

(Petitioner)

Calculation of Interest on Working Capital

Name of the Company :		NTPC Limited							
Name of the Power Station :		Farakka Super Thermal power Station Stage-I&II							
S. No.	Particulars	Existing 2018-19	2019-20	2020-21	2021-22	2022-23	2023-24	(Amount in Rs Lakh)	
								7	8
1	2	3	4	5	6	7	8		
1	Cost of Coal/Lignite	102,946.13	30860.91	30860.91	30860.91	30860.91	30860.91		
2	Cost of Main Secondary Fuel Oil	568.30	331.89	330.98	330.98	330.98	331.89		
3	Fuel Cost								
4	Liquid Fuel Stock								
5	O & M Expenses	3,947.88	4177.39	4323.43	4475.02	4633.78	4797.48		
6	Maintenance Spares	9,474.91	10025.74	10376.23	10740.05	11121.07	11513.95		
7	Receivables	123,089.45	44780.46	45514.15	46125.04	46068.53	45989.52		
8	Total Working Capital	240026.67	90176.39	91405.70	92532.01	93015.26	93493.75		
9	Rate of Interest	13.5000	12.0500	12.0500	12.0500	12.0500	12.0500		
10	Interest on Working Capital	32403.60	10866.25	11014.39	11150.11	11208.34	11266.00		

Signature
Petitioner

Statement of Liability Flow

**PART 1
FORM-S**

Name of the Company :

NTPC Limited

Name of the Power Station :

Farakka Super Thermal power Station Stage-I&II

Sr. No.	Name of the Party	Name of the work	Year of creation of liability capitalised in Gross Block	Original Liability	Liability as on 31.03.2019
(1)	(2)	(3)	(4)	(4A)	(10)=(5+6+9)
Prior to 01.04.2004					
1	ANSALDO SPA	STEAM GENERATOR & ESP STAGE 2	Prior to 01.04.2004		80688295
2	RODE KONCAR	UNIT AND STATION TRANSFORMER	Prior to 01.04.2004		2292491
3	GDC	PILLIN PIPE CAPS FOR STAGE - II, WO - 1955 & 1954	Prior to 01.04.2004		0
4	IRCON	CONSTRUCTION OF SIMULTANEOUS LINES FOR DESPATCH FACILITIES AT KAMARPUR AND PATHRA STATION	Prior to 01.04.2004		0
5	NEEL KAMAL	CONSTRUCTION OF PEDSTALS FOR ADD. ASH PIPE LINES ST-I, WO-20115	Prior to 01.04.2004		0
6	N H CONSTRUCTION	CONSTN OF PEDESTAL AND LAYINNG OF WATER PIPE LINE	Prior to 01.04.2004		0
TOTAL Prior to 01.04.2004					82980786
1	ANSALDO SPA	STEAM GENERATOR & ESP STAGE 2	2004-05		6425848
2	Allen Richards & Co.; 7849/25.3.2000	Design,eng,supp,erect OF HVW Spray syste	2004-05		0
3	Allen Richards & Co.; 7849/25.3.2000	Design,eng,supp,erect OF HVW Spray syste	2004-05		0
4	JANAK TRADERS	Dental Chair PO 14N040491	2004-05		0
5	BHEL - 40190/8992	SUPPLY & INSTALLN.OF MODIFIED ASSEMBLY FOR BOWL MILL XRP803 OF ST-I.	2005-06		0
6	Yokogawa ; 40405 / 9034	SUPPLY,INSTAL,EREC.COMMNG.& TESTING OF ON LINE ZIRCONIUM BASED O2 ANALYSERS	2005-06		5000
7	Bry Air (Asia) Pvt Ltd; 91N050370	Air Defumier-DVR	2005-06		0
8	Neo Teletronics ; 94N40694	High Voltage(AC)Test Kit Range to R&M) 2	2005-06		91295
9	CMC LTD	Augumentation of IT Network	2005-06		0
10	TRADE WELL	1/3" CCD HI-RESOLUTION COLOR CAMERA	2005-06		0
11	M/S MOHAN LAL JAIN	Construction of RCC drain and culvert	2006-07		0
12	M/S MOHAN LAL JAIN	Construction of RCC drain and culvert	2006-07		0
13	ANSALDO SPA	STEAM GENERATOR & ESP STAGE 11	2006-07		2567323
14	BHARAT HEAVY ELECTRICALS LTD.	LOWER BRG AND PUMP HSG HY 611800193001 (CAPT/03)	2006-07		0
15	BHARAT HEAVY ELECTRICALS LTD.	IMPELLER FOR SEAL AIR FAN (CAPT/03)	2006-07		0
16	FLOWMORE PVT. LTD.,	IMPELLER H.NO.8B FOR JOCKEY PUMP(SPRINKLER SYSTEM)MODEL 6M/10 STAGE (CAPT/03)	2006-07		0
17	ROCKWELL AUTOMATION INDIA PVT LTD	DESIGN,MFG.,SUPPLY & INSTAL.OF PLC SYSTEM AT CHP	2006-07		0
18	ROCKWELL AUTOMATION INDIA PVT LTD	DESIGN,MFG.,SUPPLY & INSTAL.OF PLC SYSTEM AT CHP	2006-07		0
19	GE INDIA INDUSTRIAL PVT.LTD.	MULTI CHANNEL (8 CHANNEL) PORTABLE VIBRATION ANALYSER	2006-07		26400
20	EASTERN TRADE CENTRE	SQ.CAGE INDUCTION MOTOR FOR CF PUMP,132KW,240A,3000RPM,415V,INS.CL-F,DUTY-S1,3PH,FRAME-315M'SIEMENS'	2006-07		216145
21	ADVANCE SCIENTIFIC EQUIPMENT PVT. LTD.,	ACCESSOR ATOMIC ABSORPTION SPECTROPHOTOM	2006-07		0
22	ANSALDO SPA	STEAM GENERATOR & ESP STAGE 2	2007-08		1778561
23	AIA ENGINEERING LTD.	SUPPLY & INSTALLATION OF HIGH PERF.GRINDING ELEM	2007-08		0
24	BHARAT HEAVY ELECTRICALS LTD	OIL PUMP BUSHING HY 611800	2007-08		0
25	B.H.E.L.	COMPLETE NDE BEARING HOUSI	2007-08		0
26	SELECT-N-DRIVE	GEAR COUPLING,PILOT BORE 1	2007-08		0
27	SWASTIC INDUSTRIAL VALVES(P)LTD	PNEUMATIC OPERATED 450NB K	2007-08		0
28	YOKOGAWA INDIA LIMITED	VIDEOGRAPHIC PAPERLESS REC	2007-08		3691

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Statement of Liability Flow

PART 1
FORM-S

Name of the Company :

NTPC Limited

Name of the Power Station :

Farakka Super Thermal power Station Stage-I&II

Sr. No.	Name of the Party	Name of the work	Year of creation of liability capitalised in Gross Block	Original Liability	Liability as on 31.03.2019
29	BHARAT HEAVY ELECTRICALS LTD.(PS/ER)	DESIGN,MFG.CALIBRATION,TESTING,SUPPLY ETC.OF STATOR WATER & SEAL OIL SIG.PANEL	2007-08		0
30	SOURCE LIGHT BATTERY CO.	BATTERY 12VOLT,75AH SEALED	2007-08		7950
31	A B B LIMITED	6.6 KV CIRCUIT BREAKER 250	2007-08		0
32	ANSALDO SPA	STEAM GENERATOR & ESP STAGE 11, SITE ERV ANSALDO SPA - A0331/ WO-527-AID403, SITE ERV	2008-09		19188165
33	GEECO ENERCON PVT. LTD.	PIN RACK BAR ASSY. WITH SETTING FIXTUR	2008-09		0
34	GEECO ENERCON PVT. LTD.	DRIVE PINION ON O/P SHAFT OF PAPH G/BO	2008-09		0
35	C DOCTOR & COMPANY PVT LTD	MODIFICATION & VENTILATION SYSTEM IN CHP, WBS RM-240801.81.05.01	2008-09		0
36	C DOCTOR & COMPANY PVT LTD	MODIFICATION & VENTILATION SYSTEM IN CHP, WBS RM-240801.81.05.01	2008-09		0
37	C DOCTOR & COMPANY PVT LTD	MODIFICATION & VENTILATION SYSTEM IN CHP, WBS RM-240801.81.05.01	2008-09		0
38	GBM MANUFACTURING PVT LTD	GEAR COUPLING,GC-3,PILOT BORE 40MM	2008-09		0
39	Zicom Electronic Security	CCTV PACKAGE FOR CHP, WBS RM-240801.81.03.01	2008-09		0
40	Zicom Electronic Security	CCTV PACKAGE FOR CHP, WBS RM-240801.81.03.01	2008-09		0
41	TARAPORE & CO	ASH HANDLING PLANT, Arbitration Award Const Ash Bund, Stage-I, TARAPORE & CO	2008-09		1173292
42	Tecpro Systems Limited / MAHINDRA ASH TECK LTD.	MODIFIED GATE FOR BOTTOM ASH HOPPER, WBS RM-240801.81.07.01	2008-09		0
43	ENERGO ENGG. PROJECTS PVT. TD.	PNEUMATIC OPERATED 500NB K	2008-09		64350
44	ABB LTD.	CONTROL & INSTRUMENTATION, R&M Cap for RENOVATION OF DAS PACKAGE U#1	2008-09		0
45	ABB LTD.	CONTROL & INSTRUMENTATION, R&M Cap of RENOVATION OF DAS PACKAGE U#3	2008-09		0
46	MESSALS OVERSEAS (I) PVT LTD	LEAKAGE CURRENT TESTER	2008-09		0
47	HONEYWELL AUTOMATION INDIA LTD	DO ANALYZER FOR ST-2 PW SYSTEM	2008-09		0
48	FORBES MARSHAL PVT LTD	OXIDATION-REDUCTION POTENTIAL (ORP) ME	2008-09		0
49	RODE KONCAR	UNIT AND STATION TRANSFORMER, SITE ERV RODE KONCAR-439-R0178, SITE ERV	2008-09		264658
50	EXIDE INDUSTRIES LTD	M9208203035 UPS AND POWER BACKUP UNIT IS:15549 STA	2008-09		0
51	GENUS OVERSEAS ELECTRONICS LIMITED.	TOWNSHIP METERING PACKAGE, WBS CA-240801.87.04	2008-09		0
52	GENUS OVERSEAS ELECTRONICS LIMITED.	TOWNSHIP METERING PACKAGE, WBS CA-240801.87.04	2008-09		0
53	ACCESS COMPUTECH PVT LTD	INSTALLN OF e-ATTENDANCE RECORDING SYSTEM, WBS CA-240801.87.08	2008-09		58140
54	ACCESS COMPUTECH PVT LTD	INSTALLN OF e-ATTENDANCE RECORDING SYSTEM, WBS CA-240801.87.08	2008-09		0
55	ACCESS COMPUTECH PVT LTD	INSTALLN OF e-ATTENDANCE RECORDING SYSTEM, WBS CA-240801.87.08	2008-09		0
56	LOGIC FUSION PVT LTD / 1055608 MICROSOFT CORPORATION INDIA	MS OFFICE XP PROFESSIONAL	2008-09		0
57	SAP INDIA SYSTEMS APPLICATION & PRODUCTS IN DATA PROCESSING PVT. LTD	SAP LICENSE CAPITALISATION-IMPLEM ROLLOUT-FSTPP (IU-EOC)	2008-09		0

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Farakka Super Thermal power Station Stage-I&II

Sr. No.	Name of the Party	Name of the work	Year of creation of liability capitalised in Gross Block	Original Liability	Liability as on 31.03.2019
58	HANNAN SEIKH	CONST OF DIVERSION ROAD FOR LIFT PUMP HOUSE	2009-10	170303	0
59	HANNAN SEIKH	CONST OF DIVERSION ROAD FOR LIFT PUMP HOUSE	2009-10		0
60	Instrotech (Pty) Ltd., South Africa & 1006452 Sartech	BOILER ACOUSTIC STEAM LEAK DETCTN SYSTEM	2009-10	1077864	0
61	Instrotech (Pty) Ltd., South Africa & 1006452 Sartech	BOILER ACOUSTIC STEAM LEAK DETCTN SYSTEM	2009-10		0
62	Instrotech (Pty) Ltd., South Africa & 1006452 Sartech	BOILER ACOUSTIC STEAM LEAK DETCTN SYSTEM	2009-10		0
63	Industrial Television, UK & Sartech Intl., Chennai	FURNACE FLAME CAMERA PACKAGE	2009-10	1357909	0
64	Industrial Television, UK & Sartech Intl., Chennai	FURNACE FLAME CAMERA PACKAGE	2009-10		0
65	Industrial Television, UK & Sartech Intl., Chennai	FURNACE FLAME CAMERA PACKAGE	2009-10		0
66	Industrial Television, UK & 1006452 Sartech Intl.,	FURNACE FLAME CAMERA PACKAGE	2009-10		0
67	Industrial Television, UK & Sartech Intl., Chennai	FURNACE FLAME CAMERA PACKAGE	2009-10		0
68	BABCOCK & WILCOX SERVICE CO	M4761146217 HIGH SPEED SHAFT ASSEMBLY	2009-10	1987415	0
69	THERMAX LTD	VAPOUR ABSORPTION AC SYSTEM FOR ST-II	2009-10	1790451	0
70	THERMAX LTD	VAPOUR ABSORPTION AC SYSTEM FOR ST-II	2009-10		0
71	JAYSHREE ELECTRODEVICES PVT LTD	Deg, Mfg, Supl Instn Prog'm'ble Logic Control System	2009-10	228969	0
72	JAYSHREE ELECTRODEVICES PVT LTD	Deg, Mfg, Supl Instn Prog'm'ble Logic Control System	2009-10		0
73	IPM ENGINEERING LTD	M5533436003 GEAR BOX,IMK-250C,BELT FEEDER/STAGE II	2009-10	321291	0
74	LARSEN & TOUBRO LTD	WAGON TIPPLER PACKAGE	2009-10	8856183	0
75	TECPRO ASHTECH LIMITED	MODIFIED GATE FOR BOTTOM ASH HOPPER	2009-10	641784	0
76	MATHER & PLATT INDIA LTD	M3264176029 HORIZONTAL FIRE FIGHTING PUMP, 300 CUM	2009-10	71640	0
77	BENTLY NEVADA LLC	M9446996071 POWER SUPPLY CARD 3300 FOR TDBFP TEMP	2009-10	132472	0
78	BENTLY NEVADA LLC	M9446996072 SYSTEM MONITOR CARD 3300 FOR TDBFP TEM	2009-10	51011	0
79	BENTLY NEVADA LLC	M9446996073 DUAL TEMP MONITOR CARD 3300 TDBFP TEMP	2009-10	220596	0
80	BHARAT HEAVY ELECTRICALS LTD	Stator water & seal oil signalling panel	2009-10	609783	0
81	M/S ABB LTD.	SUPPLY OF DAS PACKAGE	2009-10	3249140	0
82	CHEMTROLS INDUSTRIES LTD	Supply of Ambient Air Quality Monitoring System (AAQMS) Pkg.	2009-10	417050	0
83	AREVA T&D INDIA LTD	M8725548597 400KV CVT(CAPITALISED)	2009-10	187500	0
84	ABB LTD	M8723504779 CURRENT TRANSFORMER,420KV,2000A,5 CORE.	2009-10		0
85	ANSALDO SPA	STEAM GENERATOR & ESP STAGE 11, SITE ERV 2009-10 ANSALDO SPA - A0331/ WO-	2009-10	-25757410	-11077211
86	RODE KONCAR	UNIT AND STATION TRANSFORMER, SITE ERV 2009-10 RODE KONCAR-439-R0178	2009-10	-136988	-136988
87	TOOLS & TOOLS (INDIA)	AIR MOTOR MODEL 92RA 017(CAPIT) FOR SA	2010-11	38081	0
88	CESARE BONETTI S.p.A	EBD ISOLN.V/V A105,MOTOR(W/O ACTUATOR)	2010-11	259983	0
89	CESARE BONETTI S.p.A	EBD ISOLN.V/V A105,MOTOR(W/O ACTUATOR)	2010-11	5658	0
90	SYSTEC FLEXO PRODUCTS PVT LTD	EXP.JNT NO:EJ-5,F2:MM:BMD:55:2007	2010-11	65490	0
91	BHARAT HEAVY ELECTRICALS LTD	IMPELLER FOR ID FAN (CAPT/03)AN 28E6	2010-11	126000	0
92	Mark-aec Industries Pvt Ltd	OVER RUNNING CLUTCH FOR SPEED REDUCER	2010-11	3215	0

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Sr. No.	Name of the Party	Name of the work	Year of creation of liability capitalised in Gross Block	Original Liability	Liability as on 31.03.2019
93	ANSALDO SPA	STEAM GENERATOR & ESP STAGE -II	2010-11	3306990	3307806
94	RODE KONCAR	UNIT AND STATION TRANSFORMER, SITE ERV 2009-10 RODE KONCAR-439-R0178	2010-11	-10251	-10251
95	JAYSHREE ELECTRODEVICES PVT LTD	Deg, Mfg, Supl Instn Prog'm'ble Logic Control System	2010-11	149600	0
96	JAYSHREE ELECTRODEVICES PVT LTD	Deg, Mfg, Supl Instn Prog'm'ble Logic Control System	2010-11		0
97	IPM ENGINEERING LTD	GEAR BOX,IMK-250C,BELT FEEDER/STAGE II	2010-11	351000	0
98	IPM ENGINEERING LTD	VERTICAL OUTPUT SHFT,ST-II PF ROTOR G/	2010-11	101250	0
99	LARSEN & TOUBRO LTD	WAGON TIPPLER PACKAGE	2010-11	3538240	0
100	Westinghous Saxby Farmer LTD	ST II,3RD RAISING OF NISHINDRA ASH DYKE	2010-11	3755200	0
101	Westinghous Saxby Farmer LTD	ST II,3RD RAISING OF NISHINDRA ASH DYKE	2010-11		0
102	Westinghous Saxby Farmer LTD	ST II,3RD RAISING OF NISHINDRA ASH DYKE	2010-11		0
103	NPCC LTD	1ST RAISING OF MALANCHA ASH DYKE LAGOON	2010-11	5968177	1500000
104	NPCC LTD	1ST RAISING OF MALANCHA ASH DYKE LAGOON	2010-11		0
105	NPCC LTD	1ST RAISING OF MALANCHA ASH DYKE LAGOON	2010-11		0
106	TYCO VALVES & CONTROLS INDIA	CIPROM 2284 WITH DC BRAKE CTRL & TER B	2010-11	171496	0
107	ENVIROTECH INSTRUMENTS PVT LTD	PORTABLE SOUND LEVEL METER	2010-11	72004	0
108	BHARAT HEAVY ELECTRICALS LTD	200 MVA GT for NTPC-FARAKKA	2010-11	21094570	0
109	BHARAT HEAVY ELECTRICALS LTD	200 MVA GT for NTPC-FARAKKA	2010-11		0
110	BHARAT HEAVY ELECTRICALS LTD	200 MVA GT for NTPC-FARAKKA	2010-11		0
111	ABB Limited	CURRENT TRANSFORMER,420KV,2000A,5 CORE	2010-11	38560	38560
112	ABB LTD / 1081090 Qed Solutions	RELAYS FOR ST-2 TRANSFORMERS PANEL: BA	2010-11	1172190	0
113	ABB LTD / 1081090 Qed Solutions	RELAYS FOR ST-2 TRANSFORMERS PANEL: BA	2010-11		0
114	ABB LTD / 1081090 Qed Solutions	RELAYS FOR ST-2 TRANSFORMERS PANEL: BA	2010-11		0
115	ANSALDO SPA	STEAM GENERATOR & ESP STAGE 11	2011-12	14444943	9611216
116	I R TECHNOLOGY SERVICES PVT LTD	M2671506031 PORTABLE ALLOY ANALYZER	2011-12	164819	0
117	I R TECHNOLOGY SERVICES PVT LTD	M2671506031 PORTABLE ALLOY ANALYZER	2011-12		0
118	WEIR MINERALS (INDIA) PVT. LTD.,	M3394070000 PUMP WARMAN 8/6 EAH	2011-12	168000	0
119	BHARAT HEAVY ELECTRICALS LTD	M5023026131 TUBE SYSTEM FOR STATER WATER COOLER	2011-12	240240	0
120	GLOBAL UDYOG	M5534396001 FLUID COUPLING,PEMBRIL/ MODEL-41 SCR 2	2011-12	183498	0
121	INDIAN CHAIN PVT LTD	M5605056068 SCRAPER CONVEYOR CHAIN;ST1	2011-12	56336	0
122	FLUIDOMAT LTD	M5650706513 FLUIDOMAT FLUID COUPLING ASSY, STD/E/O	2011-12	18777	0
123	TEXMACO LTD.	M7401906024 ELECTRO PNEUMATIC OPERATED MGR WAGON	2011-12	4359960	0
124	BHARAT HEAVY ELECTRICALS LTD	M8660456082 450KW, SCIM, 3PH, 6.6KV, 988 RPM, TEFC	2011-12	480000	0
125	ALSTOM T&D INDIA LTD	M9041525147 NUMERICAL DISTANCE PROTECTION RELAY	2011-12	79670	0
126	Rockwell Automation India Pvt.Ltd / 1091139 S R	M9491816002 VIBRATION ANALYSER CUM DATA COLLECTOR	2011-12	167498	0
127	RODE KONCAR	UNIT AND STATION TRANSFORMER	2011-12	149103	149103

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Sr. No.	Name of the Party	Name of the work	Year of creation of liability capitalised in Gross Block	Original Liability	Liability as on 31.03.2019
128	ANSALDO SPA	STEAM GENERATOR & ESP STAGE -II	2012-13	3	1918632
129	RODE KONCAR	UNIT AND STATION TRANSFORMER, SITE ERV 2012-13	2012-13	76182	76182
130	RADICON TRANSMISSION UK LTD	GEAR BOX:B2:280 MAKE:DAVID BROWN/GREAV	2012-13	2340377	0
131	NEW ALLENBERRY WORKS	GEAR BOX MAMC:IMA400B	2012-13	1090911	0
132	NEW ALLENBERRY WORKS	GEAR BOX:CKDV280S COMP ASSY N.ALLENBER	2012-13	1943098	0
133	DEBSON PUMPS PVT LTD	COMPLETE PUMP ASSEMBLY	2012-13	829092	0
134	DEBSON PUMPS PVT LTD	COMPLETE PUMP ASSEMBLY	2012-13		0
135	WEIR MINERALS (INDIA) PVT LTD	PUMP WARMAN 8/6 EAH	2012-13	112000	0
136	Senorita Marketing PVT LTD	CARTRIDGE ASSY PDHU70 CAPT03	2012-13	409106	0
137	NEW ALLENBERRY WORKS	BELT DRIVE REDUCER FOR STOCK COAL FEED	2012-13	107400	0
138	NEW ALLENBERRY WORKS	BELT DRIVE REDUCER FOR STOCK COAL FEED	2012-13		0
139	JINDAL ELECTRONICS PVT LTD	REFRIGERATION TYPE H2 DRIER	2012-13	114000	0
140	ALFA LAVAL INDIA LTD	MAB-206 CENTRIFUGE FOR TURBINE LUBE OI	2012-13	294500	0
141	LMG HYDRO PNEUMATICS	PLOW FEEDER ROTOR PUMP,A4VG 125../F001	2012-13	24976	0
142	AREVA T&D INDIA LTD	NUMERICAL DISTANCE PROTECTION RELAY	2012-13	1393407	0
143	AREVA T&D INDIA LTD	NUMERICAL DISTANCE PROTECTION RELAY	2012-13		0
144	AREVA T&D INDIA LTD	RELAY PANEL	2012-13	341726	13079
145	AREVA T&D INDIA LTD	RELAY PANEL	2012-13		0
146	Upadhyay Enterprise	CAPITALISATION OF ROAD APPROACH ROAD	2012-13		0
147	Vishal Cranes Pvt Ltd	M6330306030 15 T CAPACITY ELECTRIC HOIST	2013-14	88200	0
148	BHARAT HEAVY ELECTRICALS LTD	M4661010466 LOWER BRG AND PUMP HSG HY 611800193001	2013-14	62323	0
149	ALSTOM T&D INDIA LTD	M8702995549 250 MVA 15.75/420 KV GEN. TRANSFORMER	2013-14	7785600	0
150	VELJAN-HYDRAIR LTD	M5503556069 20W/H:HYDRAULIC CYLINDER (COMPLETE ASS	2013-14	77820	0
151	SCHNEIDER ELECTRIC CONZERV M/S ABB LTD.	ABT System for ERP	2013-14	1838458	0
152	EASTERN INDIA ENTERPRISE	Das Package common system FLY ASH CONCRETE ROAD AT INFRASTRUCTURE AREA	2013-14	12349205	8178424
153	EASTERN INDIA ENTERPRISE	FLY ASH CONCRETE ROAD AT INFRASTRUCTURE AREA	2013-14	484085	399295
154	MERRICK INDUSTRIES INC.	UP GRADATION OF.MERRICK RC FDR ST- 1	2013-14	259200	0
155	ANSALDO SPA	STEAM GENERATOR & ESP STAGE 11	2013-14	21249412	20592040
156	RODE KONCAR	UNIT AND STATION TRANSFORMER	2013-14	132795	132795
157	BHARAT HEAVY ELECTRICALS LTD	HPH:HP HEATER ASSY.	2013-14	11964000	0
158	SCHNEIDER ELECTRIC INFRASTRUCTURE	M8579150001 VCB:6.6KV:800A:ANY STD MAKE/MODEL	2013-14	969406	689257
159	JITF WATER INFRASTRUCTURE LTD	Finacial lease-Coal Mat Handling system fkk JITF	2013-14		600000000
160	BHARAT HEAVY ELECTRICALS LTD	COMPENSATOR ASSLY.DN-500X8 M5146026290 FK4E36 TYPE BFP	2014-15	187000	0
161	Clyde Pumps India Pvt Ltd	CARTRIDGE	2014-15	1700000	0
162	Clyde Pumps India Pvt Ltd	M3136786008 MOTOR DRIVEN BOOSTER PUMP ASSEMBLY	2014-15	760000	0

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163	Clyde Pumps India Pvt Ltd	M3136806009 BALANCING DRUM FOR BFP MODEL FK4E36	2014-15	258501	0
164	Clyde Pumps India Pvt Ltd	M3136806011 BALANCING DRUM RESTRICTION OF BFP	2014-15	197646	0
165	Clyde Pumps India Pvt Ltd	M3136806018 IMPELLER WEARING (EYE) FOR BFP	2014-15	154505	0
166	Clyde Pumps India Pvt Ltd	M5146106159 DE/NDE JOURNAL BEARING (CAPITALISED)	2014-15	123604	0
167	Clyde Pumps India Pvt Ltd	M5146106168 THRUST BEARING (CAPITALISED)	2014-15	248312	0
168	NEW ALLENBERRY WORKS	M4750496071 DRIVE PINION ON O/P SHAFT OF PAPH G/BO	2014-15	495688	0
169	SCHNEIDER ELECTRIC INDIA PVT LTD	M9041525147 NUMERICAL DISTANCE PROTECTION RELAY	2014-15		0
170	BAUMER TECHNOLOGIES INDIA PVT LTD	M9416230261 TRANSMTR:ELECT:SMART:0-16KG/CM2	2014-15	68421	0
171	INTRA PROJECT CONSULTANTS	M9416254526N PR/DP TRANSMITTER 0 TO 20KG/CM2	2014-15	60200	0
172	BAUMER TECHNOLOGIES INDIA PVT LTD	M9416264428 PR TRANS 0-25KG/CM:1/2NPT:24VDC	2014-15	45614	0
173	BAUMER TECHNOLOGIES INDIA PVT LTD	M9416304723 SMART PR TX RANGE 0-60 KG/CM2	2014-15	68421	0
174	BAUMER TECHNOLOGIES INDIA PVT LTD	M9416364823N PR. TRANSMITTER,RANGE:0-300 KSC,1/2"N	2014-15	107731	0
175	MERRICK INDUSTRIES PVT LTD	M9467226002 MICRO-COMPUTER CONTRLR.,MERRICK GENETI	2014-15	330186	0
176	TEXMACO LTD.	M7401906024 ELECTRO PNEUMATIC OPERATED MGR WAGON	2014-15		
177	THERMAX LTD	VAPOUR ABSORPTION AC SYSTEM FOR ST-II	2014-15		
178	VIKRAM SOLAR PVT LTD	SOLAR POWER GENERATING UNIT	2014-15	220605	51525
179	RITES LTD	MGR Track	2014-15	19829512	2933361
180	ANSALDO SPA	STEAM GENERATOR & ESP STAGE 11	2014-15		-23476500
181	RODE KONCAR	UNIT AND STATION TRANSFORMER	2014-15	60107	60107
182	Sempell GmbH	M5105206007 3-STAGE ANGLE VALVE PN500	2015-16		0
183	BHARAT HEAVY ELECTRICALS	M8702316502 2500KVA EXCITATION TRANSFORMER	2015-16		0
184	ALSTOM T&D INDIA LTD	M9097309131 RELAY PANEL	2015-16		0
185	CMC LIMITED	M9447706035 PLC BASED CONTROL SYSTEM FOR STKR-RECL	2015-16		0
186	ABB India Ltd.	M9041375014 NUMERICAL MULTIFUNCTION RELAY,GEN 100	2015-16		0
187	TECHNICAL ASSOCIATES LIM	M8702631612 PWR XYMR:25MVA,21/6.6KV:DYN1:ONAN/ONA	2015-16		0
188	HAMON RESEARCH-COTTRELL	M4770466001 COLLECTING ELECTRODE/PLATE FOR ESP	2015-16		0
189	HAMON RESEARCH-COTTRELL	M4770466001 COLLECTING ELECTRODE/PLATE FOR ESP	2015-16		0
190	DAVID BROWN BHARAT FORGE	M2052151400 GB:DB/GRAVES:H2-280:COMP ASSY	2015-16		0
191	ALSTOM T&D INDIA LTD	M9041100119 NUMERICAL MOTOR PROTECTION RELAY 1A	2015-16		1126854
192	MULTIMETALS LIMITED	M5048906001 CPU:CONDENSER TUBE(DIA-19MM,THK-1MM)	2015-16		0
193	BHARAT HEAVY ELECTRICALS	M5101066897 THRUST BRG. DRG.NO-31170301030	2015-16		0
194	BHARAT HEAVY ELECTRICALS	M5001056217 JOURNAL BEARING-1 WITH TOROUS PC.	2015-16		0
195	Kingsbury Inc	M4750496074 PAPH SUP BRG.KINGSBURI,41BV,450(ANSALD)	2015-16		0
196	METSO MINERALS (SINGAPOR)	M5512476019 915A:ROTOR ASSY.	2015-16		0
197	ALSTOM INDIA LIMITED	M4619106014 ECONOMISER-I COIL OF 210MW BOILER	2015-16		0

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Farakka Super Thermal power Station Stage-I&II

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198	ELECON ENGINEERING CO LT	M5522966001 HM263/264:TRAVEL GEAR UNIT	2015-16		39803811
199	GENUS OVERSEAS ELECTRONICS LIMITED.	TOWNSHIP METERING PACKAGE, WBS CA-240801.87.04	2015-16		0
200	ANSALDO SPA	STEAM GENERATOR & ESP STAGE 11	2015-16		11445238
201	RODE KONCAR	UNIT AND STATION TRANSFORMER	2015-16	60107	86432
202	JITF WATER INFRASTRUCTURE LTD	Finacial lease-Coal Mat Handling system fkk JITF	2015-16		300000000
203	UTC Fire & Security India Ltd	FIRE DETECTION FOR WAGON TIPPLER PACKAGE	2016-17		3575363
204	K N INTERNATIONAL LTD	4TH RAISING OF NISHINDRA ASH DYKE	2016-17		4961870
205	Minimax GmbH & Co KG	INERT GAS FIRE EXTINGUISHING SYSTEM	2016-17		9002018
206	JITENDRA NATH BARDHAN	Strenthening of MGR Track	2016-17		269500
207	BHARAT HEAVY ELECTRICALS LTD	M8725548597 400KV CVT(CAPITALISED)	2016-17		187800
208	HBL Power System Ltd	M9245330000N SET OF +/- 26V DC ATRS CHARGERS	2016-17		344165
209	THE INDURE PVT LTD	M1897183064 KNF GV:FLNG-A216/WCB:CL-150-NB-300MM	2016-17		33570
210	ELECTRO THERAPY	M6330306030 15 T CAPACITY ELECTRIC HOIST	2016-17		115500
211	Delta Automation	M4650030208 CAM CLUTCH BOX(C.W)SIZE0860	2016-17		5132
212	IMI NORGREN HERION PVT LTD	M5041907902 VACUUM BREAKER VALVE ASY 31324401000/0	2016-17		194988
213	BHARAT HEAVY ELECTRICALS LTD	M5045906424 FRONT BEARING D72 DRG:01160501000/38	2016-17		0
214	TLT ENGINEERING INDIA PVT LTD	M4721596001N ROT S/B:IK1M-AH:SOOT BLOWER(PAPH)	2016-17		0
215	HAMON RESEARCH-COTTRELL INDIA PVT	M4770466001 COLLECTING ELECTRODE/PLATE FOR ESP	2016-17		0
216	SRS INTERNATIONAL	M3799424227 1600MM:ELECTRIC ACTUATOR (SS2-45A)	2016-17		0
217	THE PRECISION PROCESSING EQUIPMENT	M5506436500 FG:1190X970MM:COMP ASSEMBLY	2016-17		0
218	GLOBAL UDYOG	M2050336405 G:BOX:VERTICAL:1500RPM:90:1:COMP	2016-17		49350
219	MECHAMAX(INDIA)	M5657016000 12TPH:COMPLETE ASSY.	2016-17		0
220	BHARAT HEAVY ELECTRICALS LTD	M3136676081 CONDENSATE EXTRACTION PUMP	2016-17		870000
221	UNICON TECHNO SOLUTIONS PVT LTD	M8660216083 S.SCM-6.6KV:224KW:6P:B3-TEFC:ITDUG680	2016-17		0
222	WPIL LTD	M3395686086 HEAD SHAFT 58 DRG.NO-SK-1528-E	2016-17		237954
223	SCHNEIDER ELECTRIC SYSTEMS	M9598276001 WORKSTATION INCLUDING ALL ACCESSORIES	2016-17		0
224	DAVID BROWN BHARAT FORGE	M2052151900 GB:DB:H2-355:COMP ASSY	2016-17		0
225	STOCK REDLER INDIA	M4768096114 COC DRIVE GEARBOX ASSY:POS#13 GRAV.FED	2016-17		0
226	MODERN COMMERCIAL CORPORATION	M8564156014 ACB 3PH,650V 1000A,SIEMENS MAKE	2016-17		97829
227	ANSALDO SPA	STEAM GENERATOR & ESP STAGE 11	2016-17		10185396
228	RODE KONCAR	UNIT AND STATION TRANSFORMER	2016-17	60107	-27258
229	BHARAT HEAVY ELECTRICALS LTD	Complete refinining of 200MW HPT	2016-17		0
230	TOSHIBA TRANSMISSION & DISTRIBUTION	M8702862546 POWER XYMR 200MVA,400/21KV,DYN11,OF AF	2016-17		0
231	EMERSON PROCESS MANAGEMENT	M9438378690 BASIC PROBE FOR OXYGEN ANALYZER OF 6FE	2016-17		70000

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Statement of Liability Flow

**PART 1
FORM-S**

Name of the Company :

NTPC Limited

Name of the Power Station :

Farakka Super Thermal power Station Stage-I&II

Sr. No.	Name of the Party	Name of the work	Year of creation of liability capitalised in Gross Block	Original Liability	Liability as on 31.03.2019
232	DAVID BROWN BHARAT FORGE	M2052150700 GB:DB:82-355:COMP ASSY	2016-17		0
233	DURAG INDIA INSTRUMENTATION	M9479066009 COMPLETE OPACITY MONITOR	2016-17		67416
234	BHARAT HEAVY ELECTRICALS LTD	M5121026580 TERMINAL BUSHING WITH COVER FLANGES	2016-17		0
235	BHARAT HEAVY ELECTRICALS LTD	M8725548597 400KV CVT(CAPITALISED)	2016-17		82500
236	WPIL LTD	M3192376001 COMPLETE PUMP ASSEMBLY	2016-17		0
237	FEC International	M2052251100 GB:FAIRFIELD:W10D2505123:COMP ASSY	2016-17		0
238	BHARAT HEAVY ELECTRICALS LTD	M4761056076N BEVEL PINION SHAFT:KMP 300:XRP 1003 M	2016-17		0
239	P S JIVRAJ & CO	M8564269620 ACB.4000A.3P.60KA.CATEGORY-B. 220VDC	2016-17		621000
240	EXIDE INDUSTRIES LTD	M9215433009 LA(T)BATTR:800AH:H:02V CELL	2016-17		0
241	SCHNEIDER ELECTRIC INDIA PVT LTD	M9406126014 ABT ENERGY METER WITH CT/PT-5A/110V,22	2016-17		0
242	EXIDE INDUSTRIES LTD	M9215093102 ST. BATTERY SET;120NO CELLS;1000AH;240	2016-17		0
243	SCHNEIDER ELECTRIC INFRASTRUCTURE	M8579165005 VCB 6.6KV:1600A:ANY MAKE/MODEL	2016-17		607500
244	ALSTOM INDIA LIMITED	M4619106014 ECONOMISER-I COIL OF 210MW BOILER	2016-17		0
245	METSO MINERALS (SINGAPOR	M5512476019 915A:ROTOR ASSY.	2016-17		0
246	Delta Automation	M4650030208 CAM CLUTCH BOX(C.W)SIZE0860	2017-18		0
247	WPIL LTD	M3192376001 COMPLETE PUMP ASSEMBLY	2017-18		0
248	SCHNEIDER ELECTRIC INFRASTRUCTURE	M8579165005 VCB 6.6KV:1600A:ANY MAKE/MODEL	2017-18		0
249	THE INDURE PVT LTD	M1897183056 KNF GV:FLNG-A216/WCB:CL:150:NB-200MM	2017-18		45000
250	LMG HYDRO PNEUMATICS	M8641200301 ROTOR:REXROTH:A2FM80/61W-VBB010	2017-18		36694
251	ARGO TECH INDIA PVT LTD	M4665040096 3HP DC MOTOR.R6520060008	2017-18		5800
252	SAPS POWER EQUIPMENTS PVT LTD	M3799900700 450MM(FIG950):COMPLETE ASSY.:	2017-18		38121
253	METAL ALLOYS CORPORATION	M5048906001 CPU:CONDENSER TUBE(DIA-19MM,THK-1MM)	2017-18		156951
254	SHANTHI GEARS LTD	M2052851300 GEAR BOX:BTN-360-SPL-4 MAKE:SHANTI	2017-18		29289
255	P S JIVRAJ & CO	M8564265080 AIR CIRCUIT BREAKER RS IS:10027800 A	2017-18		274466
256	THE INDURE PVT LTD	M1897183056 KNF GV:FLNG-A216/WCB:CL:150:NB-200MM	2017-18		15953
257	AUTO PARTS & ACCESSORIES	M4761200051 IMPELLER FOR SEAL AIR FAN ST II	2017-18		33425
258	DAVID BROWN GEAR SYSTEMS INDIA LTD	M2052151900 GB:DB:H2-355:COMP ASSY	2017-18		0
259	LORD VISHWAKARMA HEAT EXCHANGERS	M5048156002 COMPLETE TUBE NEST OF MAIN EJECTOR210M	2017-18		65000
260	AMICHAND TECHNOLOGICAL PVT LTD	M9097309131 RELAY PANEL	2017-18		0
261	AMICHAND TECHNOLOGICAL PVT LTD	M9041100164 NUMERICAL FEEDER PROTECTION RELAY 1A	2017-18		119784
262	AMICHAND TECHNOLOGICAL PVT LTD	M9041412018N NUMERIC/DIGITAL RELAY.110V AC,1A,DC	2017-18		0
263	BHARAT HEAVY ELECTRICALS LTD	M8660217135 MOTR 6.6KV:220-225KW:4P:B3TEFC:1LA7502	2017-18		0
264	GLOBAL UDYOG	M2050336405 G:BOX:VERTICAL:1500RPM:90:1:COMP	2017-18		0
265	WATERLINE CORPORATI	M8612604085 3P IM; 415V;110 KW;1475 RPM:TYPE:TFO:	2017-18		27160
266	FLUIDOMAT LTD	M2041298000 FLUIDOMAT:T-12/012:COMP ASSY	2017-18		0

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Statement of Liability Flow

PART 1
FORM-S

Name of the Company :

NTPC Limited

Name of the Power Station :

Farakka Super Thermal power Station Stage-I&II

Sr. No.	Name of the Party	Name of the work	Year of creation of liability capitalised in Gross Block	Original Liability	Liability as on 31.03.2019
267	SIEMENS LTD	M5122029999 AVR/DVR:DAVR SYSTEM	2017-18		4795108
268	STOCK REDLER INDIA PVT LTD	M9467226003 MICRO-PROCESR.BASED CONTROLR: DT9; STO	2017-18		1540000
269	BHARAT HEAVY ELECTRICALS LTD	M8750632020 HV BUSHING WITH METAL PARTS AND GASKET	2017-18		0
270	JITENDRA NATH BARDHAN	Strenthening of MGR Track	2017-18		51142
271	ANSALDO SPA	STEAM GENERATOR & ESP STAGE 11	2017-18		-2235975
272	RODE KONCAR	UNIT AND STATION TRANSFORMER	2017-18	60107.08	-2329
273	DHANBAD ELECTRICALS PVT LTD	M8564309094 2000A,ACB MICRO PROCESSOR BASED 3-POLE	2017-18		270900
274	ENERGY EFFICIENCY SERVIC	M8225120079 LED 230V-70W STREET LIGHT FITTING	2017-18		0
275	ENERGY EFFICIENCY SERVIC	M8225129207 LGHT FIXTUR:LED BASD:HI BAY LIGHT 200W	2017-18		0
276	ENERGY EFFICIENCY SERVIC	M8225120671 LED BASED STREET LIGHT - 65-80W	2017-18		0
277	ENERGY EFFICIENCY SERVIC	M8225127414 LED BASD FLOOD LIGHT - 100-120W	2017-18		0
278	ENERGY EFFICIENCY SERVIC	M8225125171 LGHT FIXTR:LED BASD:WELL GLASS TYP-35W	2017-18		0
279	TOSHIBA TRANSMISSION & DISTRIBUTION	M8702862546 POWER XYMR 200MVA,400/21KV,DYN11,OF&F	2017-18		4195400
280	BHARAT HEAVY ELECTRICALS LTD	M5103066085 COUPLING BOLT M64 FOR BRG PED.4(CAPT/0	2017-18		15120
281	CYRUS INFRA TECH PRIVATE LIMITED	M9481070006 ID FAN SCOOP ACTUATOR	2017-18		236000
282	THE BABCOCK & WILCOX COMPANY	M4761146914 MPS 89G:RING SEAT FOR MILL	2017-18		0
283	BHARAT HEAVY ELECTRICALS LTD	M5101906370 JT BLADE -1 T4-50-53 1R:01051805000/01	2017-18		0
284	NEW ALLENBERRY WORKS	M2050123102 COMP.ASSY.-HORIZONTAL-1450:31.46:1/46.	2017-18		0
285	SIEMENS LTD	M5001936048N VALVE SEAT DRG:01122203000/03	2017-18		0
286	BHARAT HEAVY ELECTRICALS LTD	M4661056187 MAIN VERTICAL SHAFT OF BOWL MILL	2017-18		0
287	STOCK REDLER INDIA PVT LTD	M9467226003 MICRO-PROCESR.BASED CONTROLR: DT9; STO	2017-18		0
288	ALFA LAVAL INDIA PRIVATE LTD	M6253546000N MAB 206:COMPLETE ASSY.	2018-19		332000
289	ELECTRO THERAPY	M6300370039 EL OP. HOIST-4.01-5.0T:ELECT HOIST SMT	2018-19		155250
290	DCIPS	M5663056000N TRENCH LINER:COMP. ASSLY	2018-19		79600
291	AUTOMATIC ELECTRIC LTD	M8727061018 6.6KV CT 50/1/1A. 10VA,CL:1/15VA,5P15.	2018-19		48930
292	MERRICK INDUSTRIES PVT LTD	M9467236162 SIGNAL I/P MODULE OF SCR CONTR-M22419-	2018-19		12634
293	FEC INDIA PVT LTD	M2052251100 GB:FAIRFIELD:W10D2505123:COMP ASSY	2018-19		154560
294	NEW ALLENBERRY WORKS	M4650010595 SPEED REDUCER	2018-19		91200
295	WPIL LTD	M3397466000 JTC-12GM:COMP.PUMP ASSY.	2018-19		57265
296	WPIL LTD	M3395926000 GM16TC:COMP ASSLY	2018-19		137531
297	WPIL LTD	M3100020134 PUMP:HEAD(10-20M):FLOW(1000-2000M3/HR)	2018-19		79668
298	SCHENCK PROCESS SOLUTIONS	M9467226003 MICRO-PROCESR.BASED CONTROLR: DT9; STO	2018-19		3182400
299	UDYOGINI MARKETING AND SERVICES	M9215093102 ST. BATTERY SET;120NO CELLS:1000AH;240	2018-19		334880
300	RAMPUR ENGINEERING CO. LTD.	M5505286252 1400:ND PULLEY DXL 500X1600 SHAFT D115	2018-19		714655
301	Clyde Pumps India Pvt Ltd	M3136776000 FA1856:COMPLETE PUMP ASSY.	2018-19		4294000

Statement of Liability Flow

PART 1
FORM-S

Name of the Company :

NTPC Limited

Name of the Power Station :

Farakka Super Thermal power Station Stage-I&II

Sr. No.	Name of the Party	Name of the work	Year of creation of liability capitalised in Gross Block	Original Liability	Liability as on 31.03.2019
302	ABB India Limited	M9016657002 REACTOR DIFF RELAY SCHEME RADHA,ABB	2018-19		1252638
303	HINDUSTHAN ENGINEERING & INDUSTRIES	M7400000003 T CODE:BOBR COMPLETE WAGON	2018-19		5025000
304	Clyde Pumps India Pvt Ltd	M3136786000 FA1B75:COMPLETE PUMP ASSY.	2018-19		2030800
305	ABB India Limited	M9481186013 ELECT.ACTUATOR: RHD1250.WITH ACCSR: AB	2018-19		306000
306	SUMESH PETROLEUM	M6200000119 FILTER M/C	2018-19		167745
307	ABB India Limited	M9481186007 ELEC LEVER ACT(220V) FOR BFP SCOOP	2018-19		286704
308	NEW ALLENBERRY WORKS	M2052001100 GB:GR-113.0061:COMP ASSY:	2018-19		267700
309	TALSALES PVT LTD	M6602066003 SCREW COMPRESSOR	2018-19		222700
310	BHARAT HEAVY ELECTRICALS LTD	M8660546132 MOTR 1SQL6.6KV:600-605KW:6P:B3 TEFC HF	2018-19		3829100
311	GEECO ENERCON PVT LTD	M4650010552N HOT END SECTOR PLATE ASLY,AIR PREHEAT	2018-19		1015272
312	SUMESH PETROLEUM	M3400000016 COMPRESSOR+AIR DRYING UNIT	2018-19		83500
313	AIA ENGINEERING LIMITED	M4761146595N MPS 89G:TIRE (VAM-20)	2018-19		5608634
314	FLOWSERVE SANMAR LTD.	M3197242400N APTO-3.750":MECHANICAL SEAL COMP.ASSY	2018-19		102542
315	BHEL	Up gradation of DDCMIS ST-II	2018-19		24773714
316	KC COTTRELL CO LTD	R&Retrofittings Of ESP ST-I	2018-19		58007277
317	HIGHGROUND ENERGY PVT LTD	4 X 10 KW Solar PV Grid	2018-19		278000
318	EMKAY ENTERPRISES	M5149336000 A45-FG:COMPLETE ASSY	2018-19		537708
319	Electro Zavod India Pvt Ltd	M9447306002 SUSPENED MAGNTC.SEPARTR:SMNR1-165/40	2018-19		349800
320	NEW ALLENBERRY WORKS	M2050123102 COMP.ASSY.-HORIZONTAL-1450:31.46:1/46.	2018-19		46900
321	JITENDRA NATH BARDHAN	Strengthening of MGR Track	2018-19		54492
322	ANSALDO SPA	STEAM GENERATOR & ESP STAGE 11	2018-19		-3429722
323	RODE KONCAR	UNIT AND STATION TRANSFORMER	2018-19	60107	96451
324	BHARAT HEAVY ELECTRICALS LTD	M5002916326 HPCV SERVOMOTOR DRG:01140201000/0	2018-19		20895
325	SCHENCK PROCESS SOLUTIONS	M9467226003 MICRO-PROCESR.BASED CONTROLR: DT9: STO	2018-19		1888000
326	ABB India Limited	M9041500180 RELY NUM:220V DC:DIFF-RELY.2-W XYMR	2018-19		412998
327	SCHENCK PROCESS SOLUTIONS	M4768096001 BELT DRIVE REDUCER FOR STOCK COAL FEED	2018-19		54600
328	Clyde Pumps India Pvt Ltd	M3136806140 JOURNAL BRG.HALF:NDE#75-WEIR BFP-FK4E3	2018-19		67200
329	Clyde Pumps India Pvt Ltd	M3136806143 THRUST BRG#78-WEIR BFP-PR.PUMP:FK4E36	2018-19		3958200
330	ABB India Ltd.	M9494356028 MDBFP SCOOP ELECTRONIC PWR UNIT KE-3	2018-19		47200
331	BHARAT HEAVY ELECTRICALS LTD	M4655020374 IMPELLER BLADES TP971607240000	2018-19		4756674
332	BHARAT HEAVY ELECTRICALS LTD	M8660456082 450KW,SCIM,3PH,6.6KV,988 RPM,TEFC	2018-19		4035600
333	BHARAT HEAVY ELECTRICALS LTD	M8660307134 MOTR 1SQL6.6KV:280KW:4P:B3TEFC:ILA7560	2018-19		3829100
334	SHREEVARI ENERGY SYSTEMS PVT LTD	M4750426015N COLD END SECTOR PLATE ASSLY FOR SAPH	2018-19		1463200
335	AIA ENGINEERING LIMITED	M4761146595N MPS 89G:TIRE (VAM-20)	2018-19		5608634
336	ABB India Limited	M9041475011 NUMERICAL DISTANCE PROTECTION RELAY	2018-19		1392400

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Statement of Liability Flow

**PART 1
FORM-S**

Name of the Company :

NTPC Limited

Name of the Power Station :

Farakka Super Thermal power Station Stage-I&II

Sr. No.	Name of the Party	Name of the work	Year of creation of liability capitalised in Gross Block	Original Liability	Liability as on 31.03.2019
337	EASTERN INDIA ENTERPRISE	Up gradation of DDCMIS ST-II	2018-19		67235
338	THE BABCOCK & WILCOX COMPANY	M4741316035 C.F.S LIGHTER ASSY,7587G100 **(CAP/03)	2018-19		18875447
339	THE BABCOCK & WILCOX COMPANY	M4761146892 MPS 89G:BALL SCREW JACK ASSY 74" STROK	2018-19		4644969
340	THE BABCOCK & WILCOX COMPANY	M4761146700 MPS 89G:HIGH SPEED SHAFT	2018-19		5306413
341	THE BABCOCK & WILCOX COMPANY	M4761146690 MPS 89G:PORTABLE HYDRAULIC POWER UNIT	2018-19		3250633
342	Kingsbury Inc	M4750426037 THRUST PADS SET FOR 56 BV SERIES 1000	2018-19		12012079
343	THE BABCOCK & WILCOX COMPANY	M4761146914 MPS 89G:RING SEAT FOR MILL	2018-19		19568203
344	THE BABCOCK & WILCOX COMPANY	M4761146580 MPS 89G:ROLL WHEEL SEAL AIR ASSY.	2018-19		1652819
345	METSO ASIA PACIFIC PTE LTD	M5512476018 915A:CAGE FRAME ASSY	2018-19		12041822
346	TLT TURBO GMBH	M4755016061N SHAFT WITH BEARING ASY-FD FAN AP1 26/	2018-19		3821273
347	TLT TURBO GMBH	M4756016058 SHAFT&BEARING ASY-PA FAN AP 2 20/12	2018-19		1405413
348	TLT TURBO GMBH	M4755216031 SHAFT DRG.NO-KKK 16260161320	2018-19		1646778
	TOTAL ST - I & II			147691022	1345944285

Total (Allowed)	93,269,944
Total ST(Claimed)	18,133,434
Total (Allowed/ Claimed)	111,403,378
Total (Disallowed)	83,207,373
Total (NotClaimed)	1,151,333,534
Grand Total	1,345,944,285

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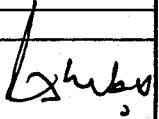
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Summary of issue involved in the petition

Name of the Company :		NTPC Limited
Name of the Power Station :		Farakka Super Thermal power Station Stage-I&II
1	Petitioner:	NTPC Limited
2	Subject	Petition Under Section 62 and 79 (1) (a) of the Electricity Act, 2003 read with Chapter-V of the Central Electricity Regulatory Commission (Conduct of Business) Regulations, 1999 and Chapter-3, Regulation-9 of Central Electricity Regulatory Commission (Terms and Conditions of Tariff) Regulations, 2019 for approval of tariff of Farakka Super Thermal Power Station Stage-I&II (1600 MW) for the period from 01.04.2019 to 31.03.2024
3	Prayer:	i) Approve tariff of FSTPS-I&II the tariff period 01.04.2019 to 31.03.2024. ii) Allow the recovery of filing fees as & when paid to the Hon'ble Commission and publication expenses from the beneficiaries. iii) Allow reimbursement of Ash Transportation Charges directly from the beneficiaries quarterly on net basis. iv) Pass any other order as it may deem fit in the circumstances mentioned above.
4	Respondents	
Name of Respondents		
	1	West Bengal State Electricity Distribution Co. Ltd.
	2	Bihar State Power Holding Company (BSHPCL)
	3	Jharkhand Vidyut Vikas Nigam Ltd.(JVNL)
	4	Grid Corporation of Orissa Ltd.
	5	Haryana Power Purchase Centre (HPPC)
	6	Power Department
	7	Tamil Nadu Generation & Distribution Corporation Ltd.(TANGEDCO)
	8	Punjab State Power Corporation Limited (PSPCL)
	9	Uttar Pradesh Power Corp. Ltd.
	10	Power Development Department (J&K)
	11	Assam Power Distribution Company Limited
	12	BSES Rajdhani Power Ltd.
	13	BSES Yamuna Power Ltd.
	14	Tata Power Delhi Distribution Limited
	15	Rajasthan Urja Vikas Nigam Limited
5	Project Scope	
	Cost	NA
	Commissioning	1.7.1996

Summary of issue involved in the petition

Name of the Company :		NTPC Limited				
Name of the Power Station :		Farakka Super Thermal power Station Stage-I&II				
	Claim					
		2019-21	2020-22	2021-23	2022-24	20223-25
	AFC	85545.73	96028.62	104549.38	105275.27	104879.45
	Capital cost(Average)	321643.245	326326.77	333871.455	338523.83	340373.83
	Initial spare	NA				
	NAPAF (Gen)	85%				
	Any Specific	NA				
		 PETITIONER				

or



भारत का राजपत्र

The Gazette of India

असाधारण

EXTRAORDINARY

भाग II—खण्ड 3—उप-खण्ड (ii)

PART II—Section 3—Sub-section (ii)

प्राधिकार से प्रकाशित

PUBLISHED BY AUTHORITY

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नई दिल्ली, बुधवार, जनवरी 27, 2016/माघ 7, 1937

No. 225]

NEW DELHI, WEDNESDAY, JANUARY 27, 2016/MAGHA 7, 1937

पर्यावरण, वन और जलवायु परिवर्तन मंत्रालय

अधिसूचना

नई दिल्ली, 25 जनवरी, 2016

का.आ. 254(अ).—भारत सरकार, पर्यावरण, वन और जलवायु परिवर्तन मंत्रालय की अधिसूचना सं. का.आ. 763(अ), तारीख 14 सितंबर, 1999 (जिसे इसमें इसके पश्चात् उक्त अधिसूचना कहा गया है) में कतिपय संशोधनों का प्रारूप, जिन्हें केन्द्रीय सरकार पर्यावरण (संरक्षण) नियम, 1986 के नियम 5 के उप-नियम (3) के खंड (घ) के साथ पठित पर्यावरण (संरक्षण) अधिनियम, 1986 (1986 का 29) की धारा 3 की उप-धारा (1) और उप-धारा (2) के खंड (v) के अंतर्गत करने का प्रस्ताव करती है, भारत के राजपत्र, असाधारण, भाग II, खंड 3, उप-खंड (ii) में अधिसूचना सं. का.आ. 1396(अ), तारीख 25 मई, 2015 द्वारा प्रकाशित किया गया था, जिसके द्वारा ऐसे सभी व्यक्तियों से, जिनके उनसे प्रभावित होने की संभावना थी, उस तारीख से, जिसको उक्त प्रारूप संशोधनों को अंतर्विष्ट करने वाली राजपत्र की प्रतियां जनता को उपलब्ध करा दी जाती हैं, माठ दिनों के अवसान से पूर्व आक्षेप और सुझाव आमंत्रित किए गए थे;

और उक्त राजपत्र की प्रतियां 25 मई, 2015 को जनता को उपलब्ध करा दी गई थी;

और उक्त प्रारूप अधिसूचना के संबंध में, ऐसे सभी व्यक्तियों से, जिनके उनसे प्रभावित होने की संभावना थी, प्राप्त सभी आक्षेपों और सुझावों पर केन्द्रीय सरकार द्वारा सम्यक् रूप से विचार कर लिया गया है;

अतः, अब, केन्द्रीय सरकार पर्यावरण (संरक्षण) नियम, 1986 के नियम 5 के उप-नियम (3) के खंड (घ) के साथ पठित पर्यावरण (संरक्षण) अधिनियम, 1986 (1986 का 29) की धारा 3 की उप-धारा (1) और उप-धारा (2) के खंड (v) द्वारा प्रदत्त शक्तियों का प्रयोग करते हुए उक्त अधिसूचना में निम्नलिखित संशोधन करती है, अर्थात् :-

1. उक्त अधिसूचना के पैरा 1 में-

- (क) उप पैरा 1(क) में "सौ किलोमीटर" शब्दों के स्थान पर "तीन सौ किलोमीटर" शब्द रखे जाएंगे;
- (ख) उप पैरा 3 में "100 कि.मी." अंकों और शब्दों के स्थान पर "तीन सौ किलोमीटर" शब्द रखे जाएंगे;
- (ग) उप पैरा 5 में "सौ किलोमीटर" शब्दों के स्थान पर "तीन सौ किलोमीटर" शब्द रखे जाएंगे;
- (घ) उप पैरा 7 में "सौ किलोमीटर" शब्दों के स्थान पर "तीन सौ किलोमीटर" शब्द रखे जाएंगे;

2. उक्त अधिसूचना के पैरा 2 में:-**(क) उप पैरा (1) के पश्चात् निम्नलिखित परंतुक अंतःस्थापित किया जाएगा, अर्थात्:-**

"परंतु यह और कि शुष्क ईएसपी फ्लाई ऐश के 20 प्रतिशत का निःशुल्क प्रदाय करने का निर्बंधन उन तापीय विद्युत संयंत्रों पर लागू नहीं होगा, जो विहित रीति में सौ प्रतिशत फ्लाई ऐश का उपयोग करने में समर्थ हैं।"

(ख) उप पैरा (7) के पश्चात् निम्नलिखित उप पैरा अंतःस्थापित किए जाएंगे, अर्थात् :-

- (8) प्रत्येक कोयला या लिग्नाइट आधारित तापीय विद्युत संयंत्र (जिसके अंतर्गत कैपटिव और/या सह उत्पादन केन्द्र भी हैं), अधिसूचना की तारीख से तीन मास के भीतर उनके पास उपलब्ध प्रत्येक किस्म की ऐश के स्टॉक के ब्यौरे अपनी वेबसाइट पर अपलोड करेगा और उसके पश्चात् मास में कम से कम एक बार स्टॉक की स्थिति को अद्यतन करेगा।
- (9) प्रत्येक कोयला या लिग्नाइट आधारित तापीय विद्युत संयंत्र समर्पित शुष्क ऐश साइलोज प्रतिष्ठापित करेगा, जिनके पास पृथक् पट्टा मार्ग होंगे, जिससे कि फ्लाई ऐश के परिदान को सुगम बनाया जा सके।
- (10) कोयला या लिग्नाइट आधारित तापीय विद्युत संयंत्र से 100 किलोमीटर की परिधि के भीतर सड़क संनिर्माण परियोजनाओं या ऐश आधारित उत्पादों के संनिर्माण के लिए या कृषि संबंधित क्रियाकलापों में मृदा अनुकूलक के रूप में उपयोग के लिए ऐश के परिवहन की लागत ऐसे कोयला या लिग्नाइट आधारित तापीय विद्युत संयंत्र द्वारा वहन की जाएगी और 100 किलोमीटर की परिधि से परे और 300 किलोमीटर की परिधि के भीतर ऐसे परिवहन की लागत को उपयोक्ता और कोयला या लिग्नाइट आधारित तापीय विद्युत संयंत्र के बीच समान रूप से अंश भाजित की जाएगी।
- (11) कोयला या लिग्नाइट आधारित तापीय विद्युत संयंत्र अपने परिसरों के भीतर या अपने परिसरों के आस-पास ऐश आधारित उत्पाद संनिर्माण सुविधाओं का संवर्धन करेंगे, उन्हें अपनाएंगे और उनकी स्थापना करेंगे (वित्तीय और अन्य सहबद्ध अवसंरचना)।
- (12) नगरों के आस-पास बने कोयला या लिग्नाइट आधारित तापीय विद्युत संयंत्र ऐश आधारित उत्पाद विनिर्माण इकाइयों का संवर्धन करेंगे और उनकी स्थापना का समर्थन और उसमें सहायता करेंगे ताकि ईटों और अन्य भवन संनिर्माण सामग्रियों की अपेक्षाओं की पूर्ति की जा सके और साथ ही परिवहन में कमी की जा सके।
- (13) यह सुनिश्चित करने के लिए कि किसी सड़क संनिर्माण का संविदाकार सड़क निर्माण में ऐश का उपयोग करता है, सड़क संनिर्माण के लिए संबद्ध प्राधिकारी संविदाकार को किए जाने वाले संदाय को तापीय विद्युत संयंत्र से ऐश के प्रदाय के प्रमाणीकरण के साथ जोड़ेगा।
- (14) कोयला या लिग्नाइट आधारित तापीय विद्युत संयंत्र, 300 किलोमीटर की परिधि के भीतर प्रधानमंत्री ग्रामीण सड़क योजना के अधीन सड़क संनिर्माण परियोजनाओं और भवनों, सड़कों, बांधों और तटबंधों के संनिर्माण को अंतर्वलित करने वाले सरकार के आस्ति सृजन कार्यक्रमों के स्थल तक ऐश के परिवहन की संपूर्ण लागत का वहन करेगा।"

3. उक्त अधिसूचना के पैरा (2) के उप-पैरा (2क) को उप-पैरा (15) के रूप में पढ़ा जाए और उक्त उप-पैरा के अंत में निम्नलिखित उप-पैरा जोड़ा जाएगा, अर्थात् :-

"और तटीय जिलों में अवस्थित कोयला या लिग्नाइट आधारित तापीय विद्युत संयंत्र तटरेखा सुरक्षा उपायों का समर्थन करेंगे, उनके संनिर्माण में सहायता करेंगे या उसमें प्रत्यक्ष रूप से सम्मिलित होंगे।"

4. उक्त अधिसूचना के पैरा 3 में उप-पैरा (7) के पश्चात् निम्नलिखित अंतःस्थापित किया जाएगा, अर्थात् :-

- (8) विभिन्न संनिर्माण परियोजनाओं का अनुमोदन करने वाले सभी राज्य प्राधिकारियों का यह उत्तरदायित्व होगा कि वे यह सुनिश्चित करें कि फ्लाई ऐश का उपयोग करने या फ्लाई ऐश आधारित उत्पादों के लिए तापीय विद्युत संयंत्रों और संनिर्माण अभिकरण या संविदाकारों के बीच परस्पर समझ ज्ञापन या कोई अन्य ठहराव किया जाता है।
- (9) राज्य प्राधिकारी, दस लाख या अधिक की जनसंख्या वाले नगरों की भवन निर्माण संबंधी उप विधियों का संशोधन करेंगे ताकि भार वहन करने वाली संरचनाओं हेतु तकनीकी अपेक्षाओं के अनुसार आवश्यक विनिर्देशों को ध्यान में रखते हुए ऐश आधारित ईटों के आज्ञापक उपयोग को सुनिश्चित किया जा सके।

- (10) संबद्ध प्राधिकारी सभी सरकारी स्कीमों या कार्यक्रमों में, उदाहरणार्थ महात्मा गांधी राष्ट्रीय ग्रामीण रोजगार गारंटी अधिनियम, 2005 (मनरेगा), स्वच्छ भारत अभियान, शहरी और ग्रामीण आवासन स्कीम, जहां संनिर्मित क्षेत्र एक हजार वर्ग फुट से अधिक है और अवसंरचना संबंधी संनिर्माण में, जिसके अंतर्गत अभिहित औद्योगिक संपदाओं या पार्कों या विशेष आर्थिक जोनों में भवन निर्माण भी है, ऐश आधारित ईंटों या उत्पादों के आज्ञापक उपयोग को सुनिश्चित करेंगे।
- (11) कृषि मंत्रालय कृषि क्रियाकलापों में ऐश के मृदा अनुकूलक के रूप में उपयोग का संवर्धन करने पर विचार कर सकेगा।”

5. सभी संबद्ध प्राधिकारियों द्वारा उपरोक्त उपबंधों का अनुपालन करने की समयावधि 31 दिसंबर, 2017 है। कोयला या लिग्नाइट आधारित तापीय विद्युत संयंत्र, उनके द्वारा उत्पादित फ्लाई ऐश के 100 प्रतिशत उपयोग के अतिरिक्त उपरोक्त उपबंधों का अनुपालन 31 दिसंबर, 2017 से पूर्व करेंगे।

[फा. सं. 9-8/2005-एचएसएमडी]

बिश्वनाथ सिन्हा, संयुक्त सचिव

टिप्पण:- मूल अधिसूचना भारत के राजपत्र, असाधारण, भाग II, खंड 3, उप-खंड (ii) में अधिसूचना सं. का.आ. 763(अ), तारीख 14 सितंबर, 1999 द्वारा प्रकाशित की गई थी और इसमें पश्चातवर्ती संशोधन अधिसूचना सं. का.आ. 979(अ), तारीख 27 अगस्त, 2003 और का.आ. 2804(अ), तारीख 3 नवंबर, 2009 द्वारा किए गए थे।

MINISTRY OF ENVIRONMENT, FORESTS AND CLIMATE CHANGE
NOTIFICATION

New Delhi, the 25th January, 2016

S.O. 254(E).—Whereas a draft of certain amendments to the Government of India in the Ministry of Environment, Forests and Climate Change number S.O. 763(E), dated the 14th September, 1999 (hereinafter referred to as the said notification) which the Central Government proposes to make under sub-section (1) and clause (v) of sub-section (2) of section 3 of the Environment (Protection) Act, 1986 (29 of 1986) read with clause (d) of sub-rule (3) of rule 5 of the Environment (Protection) Rules, 1986, was published in the Gazette of India, Extraordinary, Part II, section 3, Sub-section (ii), vide S.O. 1396(E), dated the 25th May, 2015 inviting objections and suggestions from all persons likely to be affected thereby before the expiry of sixty days from the date on which copies of the Gazette containing the said draft amendments were made available to the public.

And, whereas copies of the said Gazette were made available to the public on 25th May, 2015;

And, whereas all the objections and suggestions received from all persons likely to be affected thereby in respect of the said draft notification have been duly considered by the Central Government;

Now, therefore, in exercise of the powers conferred by sub-section (1) and clause (v) of sub-section (2) of section 3 of the Environment (Protection) Act, 1986 (29 of 1986) read with clause (d) of sub-rule (3) of rule 5 of the Environment (Protection) Rules, 1986, the Central Government hereby makes the following amendments to the said notification, namely:—

- I. In the said notification, in paragraph 1,-
 - (a) in sub-paragraph 1(A), for the words “hundred kilometers”, the words “three hundred kilometers” shall be substituted;
 - (b) in sub-paragraph (3), for the figures and letters “100 km”, the words “three hundred kilometers” shall be substituted;
 - (c) in sub-paragraph (5), for the words “hundred Kilometers”, the words “three hundred Kilometers” shall be substituted;
 - (d) in sub-paragraph (7), for the words “hundred Kilometers”, the words “three hundred Kilometers” shall be substituted.

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2. In the said notification, in paragraph 2:-**(a) after sub-paragraph (1), the following proviso shall be inserted, namely:-**

“provided further that the restriction to provide 20 % of dry ESP fly ash free of cost shall not apply to those thermal power plants which are able to utilise 100 % fly ash in the prescribed manner.”

(b) after sub-paragraph (7), the following sub-paragraphs shall be inserted, namely:-

- “(8) Every coal or lignite based thermal power plants (including captive and or co-generating stations) shall, within three months from the date of notification, upload on their website the details of stock of each type of ash available with them and thereafter shall update the stock position at least once a Month.
- (9) Every coal or lignite based thermal power plants shall install dedicated dry ash silos having separate access roads so as to ease the delivery of fly ash.
- (10) The cost of transportation of ash for road construction projects or for manufacturing of ash based products or use as soil conditioner in agriculture activity within a radius of hundred kilometers from a coal or lignite based thermal power plant shall be borne by such coal or lignite based thermal power plant and the cost of transportation beyond the radius of hundred kilometers and up to three hundred kilometers shall be shared equally between the user and the coal or lignite based thermal power plant.
- (11) The coal or lignite based thermal power plants shall promote, adopt and set up (financial and other associated infrastructure) the ash based product manufacturing facilities within their premises or in the vicinity of their premises so as to reduce the transportation of ash.
- (12) The coal or lignite based thermal power plants in the vicinity of the cities shall promote, support and assist in setting up of ash based product manufacturing units so as to meet the requirements of bricks and other building construction materials and also to reduce the transportation.
- (13) To ensure that the contractor of road construction utilizes the ash in the road, the Authority concerned for road construction shall link the payment of contractor with the certification of ash supply from the thermal power plants.
- (14) The coal or lignite based thermal power plants shall within a radius of three hundred kilometers bear the entire cost of transportation of ash to the site of road construction projects under Pradhan Mantri Gramin Sadak Yojna and asset creation programmes of the Government involving construction of buildings, road, dams and embankments”.

3. In the said notification, in paragraph 2, sub-paragraph (2A) be read as sub-paragraph (15) and at the end of the said sub-paragraph, the following sub-paragraph shall be added, namely:-

“and the coal or lignite based thermal power plants located in coastal districts shall support, assist or directly engage into construction of shore line protection measures.”

4. In the said notification, in paragraph 3, after sub-paragraph (7), the following shall be inserted, namely:-

- “(8) It shall be the responsibility of all State Authorities approving various construction projects to ensure that Memorandum of Understanding or any other arrangement for using fly ash or fly ash based products is made between the thermal power plants and the construction agency or contractors.
- (9) The State Authorities shall amend Building Bye Laws of the cities having population One million or more so as to ensure the mandatory use of ash based bricks keeping in view the specifications necessary as per technical requirements for load bearing structures.
- (10) The concerned Authority shall ensure mandatory use of ash based bricks or products in all Government Scheme or programmes e.g. Mahatma Gandhi National Rural Employment Guarantee Act, 2005 (MNREGA), SWACHH BHARAT ABIYAN, Urban and Rural Housing Scheme, where built up area is more than 1000 square feet and in infrastructure construction including buildings in designated industrial Estates or Parks or Special Economic Zone.

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(11) The Ministry of Agriculture may consider the promotion of ash utilisation in agriculture as soil conditioner."

5. **The time period to comply with the above provisions by all concerned authorities is 31st December, 2017. The coal or lignite based thermal power plants shall comply with the above provision in addition to 100 % utilization of fly ash generated by them before 31st December, 2017.**

[F. No. 9-8/2005-HSMD]

BISHWANATH SINHA, Jt. Secy.

Note:- The principal notification was published in the Gazette of India, Extraordinary, Part II, section 3, Sub-section (ii) *vide* notification S.O. 763(E), dated the 14th September, 1999 and was subsequently amended *vide* notification S.O. 979(E), dated the 27th August, 2003 and S.O. 2804(E), dated the 3rd November, 2009.