

BEFORE THE HON'BLE CENTRAL ELECTRICITY REGULATORY COMMISSION
NEW DELHI

PETITION NO.....

IN THE : Petition Under Section 62 and 79 (1) (a) of the Electricity
MATTER OF 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
National Capital Thermal Power Station Dadri, Stage-I
(840 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 : Petition Under Section 62 and 79 (1) (a) of the
OF 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
**National Capital Thermal Power Station Dadri,
Stage-I (840 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. Uttar Pradesh Power Corp. Ltd. (UPPCL)
Shakti Bhawan
14, Ashok Marg
Lucknow – 226 001
2. BSES Rajdhani Power Ltd. (BRPL)
BSES Bhawan, Nehru Place
New Delhi – 110019
3. BSES Yamuna Power Ltd. (BYPL)
Shakti Kiran Building
Karkardooma
Delhi- 110092

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

5. New Delhi Municipal Corporation (NDMC)
Palika Kendra Building,
Opposite Jantar Mantar, Parliament Street
New Delhi - 110001

The Petitioner humbly states that:

- 1) The Petitioner herein NTPC Ltd. (hereinafter referred to as 'Petitioner' or 'NTPC'), is a company incorporated under provisions of the Company Act, 1956 and a Government Company as defined under Section 2(45) of the Companies Act, 2013. Further, NTPC is a 'Generating Company' as defined under Section 2(28) of the Electricity Act, 2003.
- 2) In terms of Section 79(1)(a) of Electricity Act, 2003, the Hon'ble Commission has been vested with the functions to regulate the tariff of NTPC, being a Generating Company owned and controlled by the Central Government. The regulation of the tariff of NTPC is as provided under Section 79(1)(a) read with Section 61, 62 and 64 of the Electricity Act, 2003 and the Regulations notified by the Hon'ble Commission in exercise of powers under Section 178 read with Section 61 of the Electricity Act, 2003.
- 3) The Petitioner is having power stations/ projects at different regions and places in the country. National Capital Thermal Power Station Dadri, Stage-I (4 x 210 MW) (hereinafter referred to as 'NCTPS-I') is one such station located in the State of Uttar Pradesh. The power generated from NCTPS-I is being supplied to the respondents mentioned herein above.



4) The Hon'ble Commission has notified the Central Electricity Regulatory Commission (Terms & Conditions of Tariff) Regulations, 2019 (hereinafter referred to as '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."

It is submitted that the date of filing of true up petition 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 NCTPS-I for the period from 01.04.2019 to 31.03.2024 as per the Tariff Regulations 2019.

6) The tariff of the NCTPS-I for the tariff period 1.4.2014 to 31.3.2019 was determined by the Hon'ble Commission vide its order dated 11.04.2017 in



Petition No. 330/GT/2014 in accordance with the CERC (Terms & Conditions of Tariff) Regulations 2014. Further, Hon'ble Commission vide Review Order dated 05.12.2017 in Review Petition (23/RP/2017 in 299/GT/2014) has revised the tariff of the station. The petitioner vide affidavit dated 11.11.2019 had 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) It is submitted that Hon'ble Commission vide order dated 11.04.2017 in Petition no 330/GT/2014 has allowed a capital cost of Rs 1690.4276 Cr as on 31.03.2019 based on the admitted projected capital expenditure for the 2014-19 period. Hon'ble Commission vide Review Order dated 05.12.2017 in Review Petition (23/RP/2017 in 299/GT/2014) has revised the admitted capital cost of NCTPS-I to Rs 1691.6069 Cr as on 31.03.2014. Accordingly, the capital cost of NCTPS-I as on 31.03.2019, based on the admitted projected capital expenditure for the 2014-19 period, works out to be Rs 1691.6069 Cr. However, the actual closing capital cost as on 31.03.2019 has been worked out in the foresaid true-up petition as Rs. 1724.3391 Cr based on the actual expenditure after truing up exercise for the period 2014-19. Accordingly, the Petitioner has adjusted an amount of Rs 32.7322 Cr from the admitted capital cost as on 31.03.2019 and accordingly the opening capital cost as on 01.04.2019 has been considered as Rs. 1724.3391 Cr in the instant petition. The Hon'ble Commission may be pleased to accordingly adopt this adjustment in the admitted capital cost as on 31.3.2019 and determine the tariff in the present petition for the period 2019-24.
- 8) The capital cost claimed in the instant petition is based on the opening capital cost as on 01.04.2019 considered as above and projected estimated

capital expenditures for the period 2019-24 under Regulation 19 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 2018-19 have been furnished below.

Description	Remarks
Type of Plant	Coal
Type of cooling water system	Closed Cycle
Consumption of Water	4,11,512,400 Cubic feet
Rate of Water charges	Rs 12.48 per 1000 cubic feet
Rate of Royalty	Rs 6 Lakhs per cusec per year
Total Water Charges (FY 2018-19)	Rs 129.65 Lakhs

Petitioner has considered 2% escalation per year and accordingly claimed water charges for 2019-24 period. Hon'ble Commission may be please to allow the same in tariff for the period 2019-24. In accordance with provision of the Regulations, the petitioner shall be furnishing the details of actuals for the relevant year at the time of truing up and the same shall be subject to retrospective adjustment.

- 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 MoEFCC vide notification dated 07.12.2015 as amended. Completion of these schemes in compliance of revised emission norms will affect the station APC, Heat Rate, O&M expenses etc. In addition, the availability of the unit/ station would also be 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) It is submitted that 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 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 true-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."

Petitioner has claimed the additional expenditure towards ash transportation charges for the period 2018-19 in the true-up petition filed vide affidavit dated 11.11.2019 in respect of the instant station.

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) It is submitted that 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 dated 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 expenses 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) It is submitted the Petitioner has served the copy of the Petition on to the Respondents mentioned herein above and has posted the Petition on the company website i.e. www.ntpc.co.in.
- 16) It is submitted that the petitioner is filing this tariff petition subject to the outcome of its various appeals/ petitions pending before different courts. Besides, the petitions filed by NTPC for determination of capital base as on 31.3.2019 through true-up exercise are pending before the Hon'ble Commission and would take some time. The Petitioner, therefore, reserves its right to amend the tariff petition as per the outcome in such appeals/ petitions, if required.



17) **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 NCTPS-I for the tariff period from 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.

Petitioner 

BEFORE THE CENTRAL ELECTRICITY REGULATORY COMMISSION

NEW DELHI

PETITION NO:

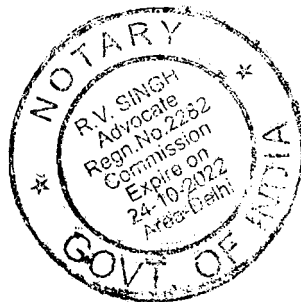
IN THE MATTER OF : Petition Under Section 62 and 79 (1) (a) of the Electricity Act, 2003 read with Chapter-V of the Central Electricity Regulatory Commission (Conduct of Business) Regulations, 1999 and Chapter-3, Regulation-9 of Central Electricity Regulatory Commission (Terms and Conditions of Tariff) Regulations, 2019 for approval of tariff of **National Capital Thermal Power Station Dadri, Stage-I** 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

Respondent: 1. Uttar Pradesh Power Corp. Ltd. (UPPCL)
Shakti Bhawan,
14, Ashok Marg
Lucknow – 226 001.



and Others

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Saw...

AFFIDAVIT

I, E. Prabhakara Rao, son of Late Shri E. K. Rama Sharma aged about 52 years resident of D-311, Parsvnath Prestige, Sector-93A, Noida (UP) solemnly affirm and state as follows:

1. That I am the Additional 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. The statement made in the accompanying Petition for approval of tariff of **National Capital Thermal Power Station Dadri, Stage-I (4 x 210 MW)** for the period from 01.04.2019 to 31.03.2024 are based on the official records maintained during the ordinary course of business and believed by the deponent to be true.

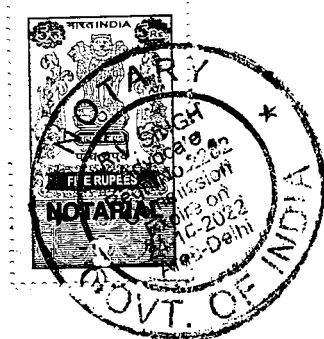

Deponent

Verification

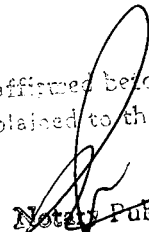
I, the deponent above named, do hereby verify that the contents of the above affidavit are true to the best of my knowledge, no part of it is false and nothing material has been concealed there from.

Verified at New Delhi on this 24th January, 2020


Deponent



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


Notary Public, DELHI:

24 JAN 2020

TARIFF FILING FORMS (THERMAL)

FOR DETERMINATION OF TARIFF

FOR

National Capital Thermal Power Station Dadri, Stage-I

(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	NA
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	NA
FORM- 7	Details of Project Specific Loans	NA
FORM- 8	Details of Allocation of corporate loans to various projects	✓
FORM-9A**	Summary of Statement of Additional Capitalisation claimed during the period	✓
FORM-9 ##	Statement of Additional Capitalisation after COD	✓
FORM- 10	Financing of Additional Capitalisation	✓
FORM- 11	Calculation of Depreciation on original project cost	NA
FORM- 12	Statement of Depreciation	✓
FORM- 13	Calculation of Weighted Average Rate of Interest on Actual Loans	✓
FORM- 14	Draw Down Schedule for Calculation of IDC & Financing Charges	NA
FORM- 15	Details of Fuel for Computation of Energy Charges	✓
FORM- 15A**	Details of Secondary Fuel for Computation of Energy Charges	✓
FORM- 15B**	Computation of Energy Charges	✓
FORM- 16	Details of Limestone for Computation of Energy Charge Rate	NA
FORM-17	Details of Capital Spares	***
FORM- 18	Non-Tariff Income	***
FORM-19	Details of Water Charges	***
FORM-20	Details of Statutory Charges	***

Provided yearwise for the period 2019-24

PART-I

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

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

** Additional Forms

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

List of supporting documents for tariff filing for Thermal Stations

S. No.	Information / Document	Tick
1	Certificate of incorporation, Certificate for Commencement of Business, Memorandum of Association, & Articles of Association (For New Station setup by a company making tariff application for the first time to CERC)	NA
2	A. Station wise and Corporate audited Balance Sheet and Profit & Loss Accounts with all the Schedules & annexures on COD of the Station for the new station & for the relevant years. B. Station wise and Corporate audited Balance Sheet and Profit & Loss Accounts with all the Schedules & annexures for the existing station for relevant years.	***
3	Copies of relevant loan Agreements	NA
4	Copies of the approval of Competent Authority for the Capital Cost and Financial package.	NA
5	Copies of the Equity participation agreements and necessary approval for the foreign equity.	NA
6	Copies of the BPSA/PPA with the beneficiaries, if any	NA
7	Detailed note giving reasons of cost and time over run, if applicable. 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	NA
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)	
10	Reconciliation with Balance sheet of any actual additional capitalization and amongst stages of a generating station	***
11	BBMB is maintaining the records as per the relevant applicable Acts. Formats specified herein may not be suitable to the available information with BBMB. BBMB may modify the formats suitably as per available information to them for submission of required information for tariff purpose.	NA

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

Stw...

Summary of Tariff

**PART-I
FORM- 1**

Name of the Petitioner:	NTPC Limited
Name of the Generating Station:	National Capital Thermal Power Station Dadri, Stage-I
Place (Region/District/State):	Northern Region/ Gautam Budh Nagar / Uttar Pradesh

S. No.	Particulars	Unit	Existing 2018-19	2019-20	2020-21	2021-22	Amount in Rs. Lakhs	
							2022-23	2023-24
1	2	3	4	5	6	7	8	9
1.1	Depreciation	Rs Lakh	2,745.18	2,995.20	2,995.20	359.42	-	-
1.2	Interest on Loan	Rs Lakh	0.00	-	-	-	-	-
1.3	Return on Equity	Rs Lakh	16,881.31	16,101.54	16,101.54	9,715.96	9,715.96	9,715.96
1.4	Interest on Working Capital	Rs Lakh	11,171.52	8,487.76	8,547.96	8,472.03	8,530.46	8,594.97
1.5	O&M Expenses	Rs Lakh	32,286.09	29304.32	30469.11	31677.81	32961.63	34300.45
1.6	Special Allowance (If applicable)	Rs Lakh	2,014.79	3990.00	5985.00	7980.00	7980.00	7980.00
1.7	Compensation Allowance (If applicable – relevant for column 4 only)	Rs. Lakh	630.00					
	Total	Rs Lakh	65728.90	60878.82	64098.80	58205.23	59188.06	60591.38
2.1	Landed Fuel Cost of coal as per FSA approved by beneficiaries	Rs/Ton	5135.17					
	(%) of Fuel Quantity	(%)	100.00					
2.2	Landed Fuel Cost of Imported Coal as per FSA approved by beneficiaries		N/A					
	(%) of Fuel Quantity		0.00					
2.3	Landed Fuel Cost of coal other than FSA	Rs/Ton	N/A					
	(%) of Fuel Quantity	(%)	0.00					
2.4	Landed Fuel Cost Imported Coal other than FSA.	Rs/Ton	N/A					
	(%) of Fuel Quantity	(%)	0.00					
2.5	Secondary fuel oil cost	Rs/Unit	0.02					
	Energy Charge Rate ex-bus (Paise/kWh) 2A, 2B, 2C, 2D	Rs/Unit	3.699					


(Petitioner)

**PART-I
FORM- 1(I)**

Name of the Petitioner:	NTPC Limited
Name of the Generating Station:	National Capital Thermal Power Station Dadri, Stage-I

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	1,72,433.91	1,72,433.91	1,72,433.91	1,72,433.91	1,72,433.91
2	Add: Addition during the year	-	-	-	-	-
3	Less: De-capitalisation during the year	-	-	-	-	-
4	Less: Reversal during the year	-	-	-	-	-
5	Add: Discharges during the year	-	-	-	-	-
6	Closing Capital Cost	1,72,433.91	1,72,433.91	1,72,433.91	1,72,433.91	1,72,433.91
7	Average Capital Cost	1,72,433.91	1,72,433.91	1,72,433.91	1,72,433.91	1,72,433.91

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	172433.91	172433.91	172433.91	172433.91	172433.91
2	Add: Addition during the year	0.00	0.00	0.00	0.00	0.00
3	Less: De-capitalisation during the year	0.00	0.00	0.00	0.00	0.00
4	Less: Reversal during the year	0.00	0.00	0.00	0.00	0.00
5	Add: Discharges during the year	0.00	0.00	0.00	0.00	0.00
6	Closing Capital Cost	172433.91	172433.91	172433.91	172433.91	172433.91
7	Average Capital Cost	172433.91	172433.91	172433.91	172433.91	172433.91

S. Anand

Name of the Petitioner:	NTPC Limited
Name of the Generating Station:	National Capital Thermal Power Station Dadri, Stage-I

Amount in Rs. Lakhs

**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	0.00	0.00	0.00	0.00	0.00
3	Less: De-capitalisation during the year	0.00	0.00	0.00	0.00	0.00
4	Less: Reversal during the year	0.00	0.00	0.00	0.00	0.00
5	Add: Discharges during the year	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


(Petitioner)

Statement showing Return on Equity at Normal Rate						PART-I
Name of the Petitioner						FORM- 1(IIA)
NTPC Limited						
Name of the Generating Station						
National Capital Thermal Power Station Dadri, Stage-I						
						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)	85,728.55	85,728.55	85,728.55	85,728.55	85,728.55
2	Less: Adjustment in Opening Equity	-	-	-	-	-
3	Adjustment during the year	-	-	33,998.37	33,998.37	33,998.37
4	Net Opening Equity (Normal)	85,728.55	85,728.55	51,730.17	51,730.17	51,730.17
5	Add: Increase in equity due to addition during the year	0.00	0.00	0.00	0.00	0.00
7	Less: Decrease due to De-capitalisation during the year	0.00	0.00	0.00	0.00	0.00
8	Less: Decrease due to reversal during the year	0.00	0.00	0.00	0.00	0.00
9	Add: Increase due to discharges during the year	0.00	0.00	0.00	0.00	0.00
10	Net closing Equity (Normal)	85,728.55	85,728.55	51,730.17	51,730.17	51,730.17
11	Average Equity (Normal)	85,728.55	85,728.55	51,730.17	51,730.17	51,730.17
12	Rate of ROE (%)	18.782	18.782	18.782	18.782	18.782
13	Total ROE	16,101.54	16,101.54	9,715.96	9,715.96	9,715.96


 (Petitioner)

Statement showing Return on Equity at Weighted Average Rate of Interest

**PART-I
FORM- 1(IIB)**

Name of the Petitioner:	NTPC Limited
Name of the Generating Station:	National Capital Thermal Power Station Dadri, Stage-I

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	0.00	0.00	0.00	0.00	0.00
7	Less: Decrease due to De-capitalisation during the year	0.00	0.00	0.00	0.00	0.00
8	Less: Decrease due to reversal during the year	0.00	0.00	0.00	0.00	0.00
9	Add: Increase due to discharges during the year	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 (%)	10.211	10.223	10.236	10.232	10.232
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	National Capital Thermal Power Station Dadri, Stage-I			
Unit(s)/Block(s)/Parameters	Unit-I	Unit-II	Unit-III	Unit-IV
Installed Capacity	210	210	210	210
Schedule COD as per Investment Approval				
Actual COD /Date of Taken Over (as applicable)	01.01.93	01.02.94	01.04.95	01.12.95
Pit Head or Non Pit Head	Non Pit Head			
Name of the Boiler Manufacture	BHEL			
Name of Turbine Generator Manufacture	BHEL			
Main Steams Pressure at Turbine inlet (kg/Cm2) abs1.	NA			
Main Steam Temperature at Turbine inlet (oC) 1				
Reheat Steam Pressure at Turbine inlet (kg/Cm2) 1				
Reheat Steam Temperature at Turbine inlet (oC) 1				
Main Steam flow at Turbine inlet under MCR condition (tons /hr)2				
Main Steam flow at Turbine inlet under VWO condition (tons /hr)2				
Unit Gross electrical output under MCR /Rated condition (MW)2				
Unit Gross electrical output under VWO condition (MW)2				
Guaranteed Design Gross Turbine Cycle Heat Rate (kCal/kWh)3				
Conditions on which design turbine cycle heat rate guaranteed				
% MCR				
% Makeup Water Consumption				
Design Capacity of Make up Water System (%)				
Design Capacity of Inlet Cooling System(m3/hr)				
Design Cooling Water Temperature (0C)				
Back Pressure (mm Hg(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 (0C)				
Steam Temperature at Reheater outlet at BMCR condition (0C)				
Design / Guaranteed Boiler Efficiency (%) at 210 MW for Unit-1 to 4 / 490 MW for Unit-5 &6 *4				
Design Fuel with and without Blending of domestic/imported coal				
Type of Cooling Tower	Natural Draft			
Type of cooling system5	Closed circuit, Natural Draft			
Type of Boiler Feed Pump6	Motor driven			

Plant Characteristics

Name of the Petitioner	NTPC Limited
Name of the Generating Station	National Capital Thermal Power Station Dadri, Stage-I
Fuel Details ⁷	
-Primary Fuel	Coal
-Secondary Fuel	LDO
-Alternate Fuels	
Special Features/Site Specific Features ⁸	Make up water from upper Ganga canal
Special Technological Features ⁹	
Environmental Regulation related features ¹⁰	ESP
Any other special features	FGD implementation is in process.
1: At Turbine MCR condition.	
2: with 0% (Nil) make up and design Cooling water temperature	
3: at TMCR output based on gross generation, 0% (Nil) makeup and design Cooling water temperature.	
4: With Performance coal based on Higher Heating Value (HHV) of fuel and at BMCR) output	
5: Closed circuit cooling, once through cooling, sea cooling, natural draft cooling, induced draft cooling etc.	
6: Motor driven, Steam turbine driven etc.	
7: Coal or natural gas or Naptha or lignite etc.	
8: Any site specific feature such as Merry-Go-Round, Vicinity to sea, Intake /makeup water systems etc. scrubbers etc. Specify all such features	
9: Any Special Technological feature like Advanced class FA technology in Gas Turbines, etc.	
10: Environmental Regulation related features like FGD, ESP etc.,	
 (Petitioner)	

Normative parameters considered for tariff computations							PART-I FORM- 3
Name of the Petitioner:		NTPC Limited					
Name of the Generating Station:		National Capital Thermal Power Station Dadri, Stage-I					
							(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**	%	-	8.427	8.436	8.447	8.444	8.444
Effective Tax Rate	%	21.549	17.472	17.472	17.472	17.472	17.472
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	%	8.50	8.50	8.50	8.50	8.50	8.50
Gross Station Heat Rate	kCal/kWh	2450.00	2430.00	2430.00	2430.00	2430.00	2430.00
Specific Fuel Oil Consumption	ml/kWh	0.50	0.50	0.50	0.50	0.50	0.50
Cost of Coal/Lignite for WC	in Days	60	50	50	50	50	50
Cost of Main Secondary Fuel Oil for WC	in Months	2	2	2	2	2	2
Fuel Cost for WC	in Months						
Liquid Fuel Stock for WC	in Months						
O&M Expenses	Rs lakh/MW	30.51	32.96	34.12	35.31	36.56	37.84
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	7.03 Lakh MT*					
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							
*Combined Storage Capacity of Dadri Stage-I & II							
** 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 : National Capital Thermal Power Station Dadri, Stage-I

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	27686.40	28660.80	29660.40	30710.40	31785.60
2	O&M expenses under Reg.35(6)					
2a	Water Charges	131.82	134.55	137.28	140.01	142.74
2b	Security expenses	1486.10	1673.76	1880.13	2111.22	2372.11
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	29304.32	30469.11	31677.81	32961.63	34300.45

** Shall be provided at the time of truing up

Petitioner 

**PART-I
FORM-3B
Additional Form**

Computation of Special Allowance

Name of the Company : NTPC Limited

Name of the Power Station : National Capital Thermal Power Station Dadri, Stage-I


Rate of Special allowance @lakh/MW/year 9.5

(Rs. Lakh)

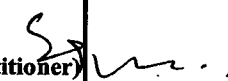
Unit No.	Capacity (MW)	Date of COD	Year of completion of useful life of 25 yrs.	Special Allowance as per Clause 28					
				Existing 2018-19	2019-20	2020-21	2021-22	2022-23	2023-24
1	210	1-Jan-93	2017-18	2014.79	1995.00	1995.00	1995.00	1995.00	1995.00
2	210	1-Feb-94	2018-19	0.00	1995.00	1995.00	1995.00	1995.00	1995.00
3	210	1-Apr-95	2019-20	0.00	0.00	1995.00	1995.00	1995.00	1995.00
4	210	1-Dec-95	2020-21	0.00	0.00	0.00	1995.00	1995.00	1995.00
Year wise Total for the Station				2014.79	3990.00	5985.00	7980.00	7980.00	7980.00

Petitioner 

Abstract of Admitted Capital Cost for the existing Projects

Name of the Company :	NTPC Limited	
Name of the Power Station :	National Capital Thermal Power Station Dadri, Stage-I	
Last date of order of Commission for the project	Date (DD-MM-YYYY)	05-12-2017
Reference of petition no. in which the above order was passed	Petition no.	330/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:		
Capital cost as on 31.03.2019 *	(Rs. in lakh)	1,69,042.76
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)		1,270.75
Gross Normative Debt		84,331.56
Cumulative Repayment		84,331.56
Net Normative Debt		-
Normative Equity		84,711.20
Cumulative Depreciation		1,42,909.70
Freehold land		4,613.26
* Effect of Review Petition no 23/RP/2017 in 299/GT/2014 is not taken in this cost.		
		 (Petitioner)

Abstract of Claimed Capital Cost for the existing Projects

Name of the Company :		NTPC Limited	
Name of the Power Station :		National Capital Thermal Power Station Dadri, Stage-I	
Reference of Final True-up Tariff Petition		Affidavit dated	11.11.2019
Capital Cost as on 31.03.2019 as per Hon'ble Commission's Order dated 11.04.2017 in Petition no 330/GT/2014		Rs. Lakh	1,69,042.76
Effect of Order dated 05.12.2017 in Pet. No. 23/RP/2017 in Capital Cost as on 31.03.2019			117.93
Capital Cost as on 31.03.2019 as per Hon'ble Commission's Order dated 05.12.2017 in Pet. No. 23/RP/2017 and Order dated 11.04.2017 in Petition no 330/GT/2014			1,69,160.69
Adjustment as per Para 7 of this petition			3,273.22
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 01.04.02019		Rs Lakh	1,72,433.91
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)			685.60
Gross Normative Debt as on 01.04.2019			86705.37
Cumulative Repayment as on 01.04.2019			86705.37
Net Normative Debt as on 01.04.2019			-
Normative Equity			85728.55
Cumulative Depreciation			142654.99
Freehold land			6,873.01
			 (Petitioner)

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

Particulars	54	58
Source of Loan ¹	BONDS	BONDS
Currency ²	INR	INR
Amount of Loan sanctioned	1030683	30000
Interest Type ⁶	Fixed	Fixed
Fixed Interest Rate, if applicable	8.49%	8.18%
Base Rate, if Floating Interest ⁷	N/A	N/A
Margin, if Floating Interest ⁸	N/A	N/A
Are there any Caps/Floor ⁹	No	No
If above is yes, specify caps/floor	N/A	N/A
Moratorium Period ¹⁰	6	5
Moratorium effective from #	25-03-15	31-12-15
Repayment Period ¹¹	Installments Due on 25/03/2023, 25/03/2024 & 25/03/2025	Bullet Repayment
Repayment effective from	25-03-23	31-12-20
Repayment Frequency ¹²	Installments Due on 25/03/2023, 25/03/2024 & 25/03/2025	Bullet Repayment
Repayment Instalment ^{13,14}	Installments 1st - 206,136.61 2nd - 412,273.22 3rd - 412,273.22	30000
Base Exchange Rate ¹⁵	N/A	N/A
Door to Door Maturity	10	5
Name of the Projects		
Anantpur Solar	5,600	-
Badarpur R&M	2,300	-
BARH I	74,883	4,000
BARH II	83,500	2,400
BONGAIGAON	54,000	600
Chetti Bariatu CMB	8,100	-
Dadri Gas R & M	600	-
DARLIPALLI	49,200	13,500
FARAKKA III	10,900	-
Farakka R & M	2,000	-
GADARWARA	81,000	-
Gandhar R&M	4,300	2,000
Kahalgaon II Phase II	1,800	-
Khatpe R & M	2,000	-
Kawas R & M	1,400	-
Khargone	45,000	-
KOLDAM	25,100	-
KORBA III	9,200	-
Korbe R & M	4,400	-
Kudgi	123,300	-
LARA I	53,300	-
Lata Tapovan	1,500	-
Mauda	21,900	2,700
Mauda II	45,800	-
NCTPP II	11,000	-
NCTPP R & M	3,700	1,000
NORTH KARANPURA	12,400	-
Paikri Barwadhi CMB	26,600	1,000
Ramgundam I & II R & M	2,400	1,000
Rammam	3,100	-
RIHAND III	28,300	-
Rihand R & M	2,500	-
Simhadani II	26,800	-
Simhadani R & M	900	-
Vindhychal Hydro**	1,900	-
Singrauli R & M	1,800	-
Vindhychal Solar**	4,800	-
SIPAT I	20,500	-
SOLAPUR	70,300	1,000
TALCHER II	12,000	-
Tanda II	9,000	-
Tapovan Vishnugad	26,400	800
TSTPP R & M	1,800	-
ITPS R & M	1,000	-
Unchahar R & M	3,400	-
Unchahar IV	17,400	-
Vindhychal IV	17,200	-
Vindhychal V	33,500	-
Vindhychal R & M	1,200	-
CC		
TOTAL	1,030,683	30,000

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

BP NO 505000641

TRANCHE NO

T00001

D00002

Unsecured Loan From HDFC Bank Ltd. VI		
Source of Loan :	HDFC Bank Ltd. VI	
Currency :	INR	
Amount of Loan :	15,000,000,000	
Total Drawn amount :	5,000,000,000	
Date of drawl	11.10.2018	
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 :	11.10.2018	
Repayment Period (Inc Moratorium) :	15 Years	
Repayment Frequency :	9 Yearly Instalment	
Repayment Type :	AVG	
First Repayment Date :	26.09.2025	
Base Exchange Rate :	RUPEE	
Date of Base Exchange Rate :	N.A.	
Project Code	Project Name	Amount
	BARH-I	550,000,000
	TAPOVAN VISHNUGARH	100,000,000
	BONGAIGAON	100,000,000
	SOLAPUR	140,000,000
	LARA-I	330,000,000
	GADARWARA	680,000,000
	NORTH KARANPURA	420,000,000
	DARLIPALLI	340,000,000
	TANDA II	310,000,000
	RAMMAM	30,000,000
	KHARGONE	480,000,000
	TELANGANA	420,000,000
	AURAIYA R&M	500,000,000
	NCTPP R&M	100,000,000
	KAWAS R&M	150,000,000
	GANDHAR R&M	350,000,000
Total Allocated Amount		5,000,000,000

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

BP NO 5050000521

TRANCHE NO

T00001

D00004

Unsecured Loan From HDFC Bank Ltd.-IV		
Source of Loan :	HDFC Bank Ltd.-IV	
Currency :	INR	
Amount of Loan :	20,000,000,000	
Total Drawn amount :	12,450,000,000	
Date of drawl	29.06.2018	
Interest Type :	Floating	
Fixed Interest Rate :		
Base Rate, If Floating Interest	8.45%	
Margin, If Floating Interest :	NIL	
Are there any Caps/ Floor :	Y/N	
Frequency of Intt. Payment	MONTHLY	
If Above is yes, specify Caps/ Floor :		
Moratorium Period :	3 Years	
Moratorium effective from :	29.06.2018	
Repayment Period (Inc Moratorium) :	12 Years	
Repayment Frequency :	9 Yearly Instalment	
Repayment Type :	AVG	
First Repayment Date :	17.04.2021	
Base Exchange Rate :	RUPEE	
Date of Base Exchange Rate :	N.A.	
Project Code	Project Name	Amount
	KORBA R&M	900,000,000
	RAMAGUNDAM R&M	2,200,000,000
	UNCHAHAR R&M	700,000,000
	RIHAND R&M	900,000,000
	KAWAS R&M	1,800,000,000
	AURAIYA R&M	1,800,000,000
	TSTPP R&M	900,000,000
	GANDHAR R&M	1,850,000,000
	NCTPP R&M	300,000,000
	KAHALGAON R&M	300,000,000
	ANTA R&M	800,000,000
Total Allocated Amount		12,450,000,000

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

BP NO 5050000741

TRANCHE NO

T00001

D00001

Unsecured Loan From SBI-XII		
Source of Loan :	SBI-XII	
Currency :	INR	
Amount of Loan :	50,000,000,000	
Total Drawn amount :	7,500,000,000	
Date of Drawal:	11.02.2019	
Interest Type :	Floating	
Fixed Interest Rate :	-----	
Base Rate, If Floating Interest	8.35%	
Margin, If Floating Interest :	NIL	
Are there any Caps/ Floor :	Y/N	
Frequency of Intt. Payment	Monthly	
If Above is yes, specify Caps/ Floor :		
Moratorium Period :	6 Years	
Moratorium effective from :	11.02.2019	
Repayment Period (Inc Moratorium) :	15 Years	
Repayment Frequency :	9 Yearly Installments	
Repayment Type :	AVG	
First Repayment Date :	31.03.2026	
Base Exchange Rate :	RUPEE	
Date of Base Exchange Rate :	N.A.	
Project Code	Project Name	Amount
	BARH-I	1,300,000,000.00
	TAPOVAN VISHNUGARH	150,000,000.00
	BONGAIGAON	650,000,000.00
	SOLAPUR	400,000,000.00
	GADARWARA	900,000,000.00
	DARLIPALLI	600,000,000.00
	TANDA-II	500,000,000.00
	KHARGONE	900,000,000.00
	TELANGANA	700,000,000.00
	CHATTI BARIATU	150,000,000.00
	DULANGA	200,000,000.00
	TALAIPALI	800,000,000.00
	NCPS-FGD	250,000,000.00
Total Allocated Amount		7,500,000,000.00

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Year wise Statement of Additional Capitalisation after COD

Name of the Petitioner	NTPC Limited
Name of the Generating Station	National Capital Thermal Power Station Dadri, Stage-I
COD	01-12-1995
For Financial Year	2019-24 (Summary)

Sl. No.	Head of Work /Equipment	ACE Claimed (Projected)					Justification	Amount in Rs Lakh
		2019-20	2020-21	2021-22	2022-23	2023-24		Admitted Cost by the Commission, if any
1	2	3	4	5	6	7	8	9
A.	Works under Original scope, Change in Law etc. eligible for RoE at Normal Rate							
	Total (A)	-	-	-	-	-		
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)		-	-	-	-	-		


 (Petitioner)

Year wise Statement of Additional Capitalisation after COD

Name of the Petitioner		NTPC Limited						
Name of the Generating Station		National Capital Thermal Power Station Dadri, Stage-I						
COD		01-12-1995						
For Financial Year		2019-20						
Sl. No.	Head of Work /Equipment	ACE Claimed (Projected)				Regulations under which claimed	Justification	Amount in Rs Lakh 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								
	Total (A)	-	-	-	-			
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		-	-	-	-			

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(Petitioner)

Year wise Statement of Additional Capitalisation after COD

Name of the Petitioner		NTPC Limited						
Name of the Generating Station		National Capital Thermal Power Station Dadri, Stage-I						
COD		01-12-1995						
For Financial Year		2020-21						
Sl. No.	Head of Work /Equipment	ACE Claimed (Projected)				Regulations under which claimed	Justification	Amount in Rs Lakh 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								
	Total (A)	-	-	-	-			
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)		-	-	-	-			


(Petitioner)

Year wise Statement of Additional Capitalisation after COD

Name of the Petitioner		NTPC Limited						
Name of the Generating Station		National Capital Thermal Power Station Dadri, Stage-I						
COD		01-12-1995						
For Financial Year		2021-22						
Sl. No.	Head of Work /Equipment	ACE Claimed (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			Admitted Cost by the Commission, if any
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								
	Total (A)	-	-	-	-			
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)		-	-	-	-			

SPI
(Petitioner)


Year wise Statement of Additional Capitalisation after COD

Name of the Petitioner		NTPC Limited						
Name of the Generating Station		National Capital Thermal Power Station Dadri, Stage-I						
COD		01-12-1995						
For Financial Year		2022-23						
Sl. No.	Head of Work /Equipment	ACE Claimed (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			Admitted Cost by the Commission, if any
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								
Total (A)		-	-	-	-			
B. Works beyond Original scope exluding add-cap due to Change in Law eligible for RoE at Wtd. Average rate of Interest								
Total (B)		-	-	-	-			
Total Add. Cap. Claimed (A+B)		-	-	-	-			

(Petitioner) 

Year wise Statement of Additional Capitalisation after COD

Name of the Petitioner		NTPC Limited						
Name of the Generating Station		National Capital Thermal Power Station Dadri, Stage-I						
COD		01-12-1995						
For Financial Year		2023-24						
Sl. No.	Head of Work /Equipment	ACE Claimed (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			Admitted Cost by the Commission, if any
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								
	Total (A)	-	-	-	-			
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)		-	-	-	-			

(Petitioner) 

Financing of Additional Capitalisation

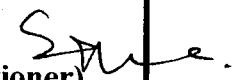
**PART-I
FORM- 10**

Name of the Petitioner	NTPC Limited
Name of the Generating Station	National Capital Thermal Power Station Dadri, Stage-I
Date of Takeover	01-12-1995

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	Add cap is proposed to be funded in Debt:Equity ratio of 70:30
Loan-1	
Loan-2	
Loan-3 and so on	
Total Loan2	
Equity	
Internal Resources	
Others (Pl. specify)	
Total	


 (Petitioner)

Statement of Depreciation

**PART-I
FORM- 12**

Name of the Company :	NTPC Limited
Name of the Power Station :	National Capital Thermal Power Station Dadri, Stage-I

(Amount in Rs Lakh)

S. No.	Particulars	Existing 2018-19	2019-20	2020-21	2021-22	2022-23	2023-24
1	2	3	4	5	6	7	8
1	Opening Capital Cost	170512.86	1,72,433.91	1,72,433.91	1,72,433.91	1,72,433.91	1,72,433.91
2	Closing Capital Cost	172433.91	1,72,433.91	1,72,433.91	1,72,433.91	1,72,433.91	1,72,433.91
3	Average Capital Cost	171473.39	1,72,433.91	1,72,433.91	1,72,433.91	1,72,433.91	1,72,433.91
1a	Cost of IT Equipments & Software included in (1) above		Shall be filed at the time of true-up				
2a	Cost of IT Equipments & Software included in (2) above						
3a	Average Cost of IT Equipments & Software						
4	Freehold land	6,501.42	6,873.01	6,873.01	6,873.01	6,873.01	6,873.01
5	Rate of depreciation	-	-	-	-	-	-
6	Depreciable value	1,48,474.77	1,49,004.81	1,49,004.81	1,49,004.81	1,49,004.81	1,49,004.81
7.	Balance useful life at the beginning of the period	3.12	2.12	1.12	0.12	-	-
8	Remaining depreciable value	8,564.96	6,349.82	3,354.62	359.42	-	-
9	Depreciation (for the period)	0.00	2,995.20	2,995.20	359.42	-	-
10	Depreciation (annualised)	2,745.18	2,995.20	2,995.20	359.42	-	-
11	Cumulative depreciation at the end of the period		1,45,650.19	1,48,645.39	1,49,004.81	1,49,004.81	1,49,004.81
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	214.12	-	-	-	-	-
15	Net Cumulative depreciation at the end of the period after adjustments	1,42,654.99	1,45,650.19	1,48,645.39	1,49,004.81	1,49,004.81	1,49,004.81


(Petitioner)

Calculation of Interest on Actual Loans¹Name of the Company
Name of the Power StationNational Thermal Power Corporation Ltd
NCTPP

(Amount in lacs)

Sl. no.	Particulars	2019-20	2020-21	2021-22	2022-23	2023-24
1	2	7	7	7	7	7
1	Bond 54 Series Repayment Effective from 25.03.2023					
	Gross loan - Opening	3700.00	3700.00	3700.00	3700.00	3700.00
	Cumulative repayments of Loans upto previous year	0.00	0.00	0.00	0.00	740.00
	Net loan - Opening	3700.00	3700.00	3700.00	3700.00	2960.00
	Increase/ Decrease due to FERV	0.00	0.00	0.00	0.00	0.00
	Increase/ Decrease due to ACE	0.00	0.00	0.00	0.00	0.00
	Total	3700.00	3700.00	3700.00	3700.00	2960.00
	Less: Repayment (s) of Loans during the year	0.00	0.00	0.00	740.00	1480.00
	Net loan - Closing	3700.00	3700.00	3700.00	2960.00	1480.00
	Average Net Loan	3700.00	3700.00	3700.00	3330.00	2220.00
	Rate of Interest on Loan	8.5200%	8.5200%	8.5200%	8.5200%	8.5200%
	Interest on loan	315.24	315.24	315.24	283.72	189.14
2	Bond 58 Series Bullet Repayment on 31.12.2020					
	Gross loan - Opening	1000.00	1000.00	1000.00	1000.00	1000.00
	Cumulative repayments of Loans upto previous year	0.00	0.00	1000.00	1000.00	1000.00
	Net loan - Opening	1000.00	1000.00	0.00	0.00	0.00
	Increase/ Decrease due to FERV	0.00	0.00	0.00	0.00	0.00
	Increase/ Decrease due to ACE	0.00	0.00	0.00	0.00	0.00
	Total	1000.00	1000.00	0.00	0.00	0.00
	Less: Repayment (s) of Loans during the year	0.00	1000.00	0.00	0.00	0.00
	Net loan - Closing	1000.00	0.00	0.00	0.00	0.00
	Average Net Loan	1000.00	500.00	0.00	0.00	0.00
	Rate of Interest on Loan	8.2100%	8.2100%	8.2100%	8.2100%	8.2100%
	Interest on loan	82.10	41.05	0.00	0.00	0.00
3	HDFC VI Repayment (9 Yearly Installments) from 26.09.2025					
	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	0.00
	Net loan - Opening	1000.00	1000.00	1000.00	1000.00	1000.00
	Increase/ Decrease due to FERV	0.00	0.00	0.00	0.00	0.00
	Increase/ Decrease due to ACE	0.00	0.00	0.00	0.00	0.00
	Total	1000.00	1000.00	1000.00	1000.00	1000.00
	Less: Repayment (s) of Loans during the year	0.00	0.00	0.00	0.00	0.00
	Net loan - Closing	1000.00	1000.00	1000.00	1000.00	1000.00
	Average Net Loan	1000.00	1000.00	1000.00	1000.00	1000.00
	Rate of Interest on Loan	8.4500%	8.4500%	8.4500%	8.4500%	8.4500%
	Interest on loan	84.50	84.50	84.50	84.50	84.50
4	HDFC IV Repayment (9 Yearly Installments) from 17.04.2021					
	Gross loan - Opening	3000.00	3000.00	3000.00	3000.00	3000.00
	Cumulative repayments of Loans upto previous year	0.00	0.00	0.00	333.33	666.67
	Net loan - Opening	3000.00	3000.00	3000.00	2666.67	2333.33
	Increase/ Decrease due to FERV	0.00	0.00	0.00	0.00	0.00
	Increase/ Decrease due to ACE	0.00	0.00	0.00	0.00	0.00
	Total	3000.00	3000.00	3000.00	2666.67	2333.33
	Less: Repayment (s) of Loans during the year	0.00	0.00	333.33	333.33	333.33
	Net loan - Closing	3000.00	3000.00	2666.67	2333.33	2000.00
	Average Net Loan	3000.00	3000.00	2833.33	2500.00	2166.67
	Rate of Interest on Loan	8.4500%	8.4500%	8.4500%	8.4500%	8.4500%
	Interest on loan	253.50	253.50	239.42	211.25	183.08

S.T.W.

Calculation of Interest on Actual Loans¹Name of the Company
Name of the Power StationNational Thermal Power Corporation Ltd
NCTPP

(Amount in lacs)

Sl. no.	Particulars	2019-20	2020-21	2021-22	2022-23	2023-24
1	2	7	7	7	7	7
5	SBI XII Repayment (9 Yearly Installments) from 31.03.2026					
	Gross loan - Opening	2900.00	2900.00	2900.00	2900.00	2900.00
	Cumulative repayments of Loans upto previous year	0.00	0.00	0.00	0.00	0.00
	Net loan - Opening	2900.00	2900.00	2900.00	2900.00	2900.00
	Increase/ Decrease due to FERV	0.00	0.00	0.00	0.00	0.00
	Increase/ Decrease due to ACE	0.00	0.00	0.00	0.00	0.00
	Total	2900.00	2900.00	2900.00	2900.00	2900.00
	Less: Repayment (s) of Loans during the year	0.00	0.00	0.00	0.00	0.00
	Net loan - Closing	2900.00	2900.00	2900.00	2900.00	2900.00
	Average Net Loan	2900.00	2900.00	2900.00	2900.00	2900.00
	Rate of Interest on Loan	8.3500%	8.3500%	8.3500%	8.3500%	8.3500%
	Interest on loan	242.15	242.15	242.15	242.15	242.15
	TOTAL LOAN					
	Gross loan - Opening	11600.00	11600.00	11600.00	11600.00	11600.00
	Cumulative repayments of Loans upto previous year	0.00	0.00	1000.00	1333.33	2406.67
	Net loan - Opening	11600.00	11600.00	10600.00	10266.67	9193.33
	Increase/ Decrease due to FERV	0.00	0.00	0.00	0.00	0.00
	Increase/ Decrease due to ACE	0.00	0.00	0.00	0.00	0.00
	Total	11600.00	11600.00	10600.00	10266.67	9193.33
	Repayments of Loans during the year	0.00	0.00	0.00	0.00	0.00
	Net loan - Closing	11600.00	10600.00	10266.67	9193.33	7380.00
	Average Net Loan	11600.00	11100.00	10433.33	9730.00	8286.67
	Rate of Interest on Loan	8.4266%	8.4364%	8.4470%	8.4442%	8.4442%
	Interest on loan	977.49	936.44	881.31	821.62	698.88

S. Th...

Details/ Information to be provided to beneficiaries under clause (7) of Regulation 30 of CERC (Terms and Condition of Tariff) Regulations, 2014
Details/information to be submitted in respect of Fuel for Computation of Energy Charges:
NTPC Ltd
National Capital Thermal Power Station, Dadri Stage-I

Fuel: Coal Month -Oct'18

S. No.	Particulars	Unit	Domestic	Imported
1	Quantity of Coal/Lignite supplied by Coal/Lignite Company #	MT	742826.587	0.000
2	Adjustment (+/-) in quantity supplied made by Coal/Lignite Company	MT	-385.630	0.000
3	Coal supplied by Coal/Lignite Company (1+2)	MT	742440.957	0.000
4	Normative Transit & Handling Losses (For coal/Lignite based Projects)	MT	4804.582	0.000
5	Net coal / Lignite Supplied (3-4)	MT	737636.375	0.000
6	Amount charged by the Coal /Lignite Company # #	Rs	2354593724	0
7	Adjustment (+/-) in amount charged made by Coal/Lignite Company	Rs		
8	Total amount Charged (6+7)	Rs	2354593724	0
9	Transportation charges by rail/ship/road transport	Rs	1335282088	
10	Adjustment (+/-) in amount charged made by Railways/Transport Company	Rs		
11	Demurrage Charges , if any	Rs	0	
12	Cost of Diesel in transporting coal through MGR system , if applicable	Rs		
13	Total Transportation Charges (9+/-10-11+12)	Rs	1335282088	0
13A	Others (Stone picking charges, Loco Drivers salary, etc)	Rs	114482173	0
14	Total amount charged for the coal /lignite supplied including transportation (8+13+13A)	Rs	3804357985	0
15	Landed cost of coal/Lignite (14/5)	Rs/MT	5157.50	0.00
16	Blending Ratio (Domestic / Imported)		100.00	0.00
17	Weighted average cost of coal /Lignite	Rs/MT	5157.50	
18	GCV of domestic coal as per bill of coal company* (EQ Basis)	Kcal/Kg	4829	
19	GCV of imported coal as per bill of coal company (ADB Basis)	Kcal/Kg		No receipt during the month
20	Weighted average GCV of coal / Lignite as billed**	Kcal/Kg	4829	
21	GCV of Domestic Coal as received at Station (TM Basis)	Kcal/Kg	3821	
22	GCV of Imported Coal as received at Station (TM Basis)	Kcal/Kg		
23	Weighted average GCV of coal/ Lignite as Received (TM Basis)	Kcal/Kg	3821	


This includes opening stock


This includes value of opening stock

* Excluding Washed , E-Auction & Diverted Coal

** Weighted average GCV (as billed) does not include Washed Coal , E- Auction Coal & Diverted Coal.

D. C. Agrawal
 श्री डी सी अग्रवाल / D. C. AGRAWAL
 वरिष्ठ प्रबंधक (दिन से सेवा) / Sr. Manager (F&A)
 एन टी सी लिमिटेड / फरिदाबाद गैस पावर स्टेशन
 NTPC Ltd, Faridabad / (SSC-Hydro&DBF), Faridabad
 फरिदाबाद / Faridabad

Brijesh Kumar Garg

 बृजेश कुमार गर्ग
 BRIJESH KUMAR GARG
 महाप्रबंधक (वित्त)
 General Manager (Finance)
 DBF-HQ, Hydro-HQ & In-charge SSC-Finance
 NTPC Limited
 (A Government of India Enterprise)
 Village, Manik, PO, Naonki, Faridabad, Haryana

Kanjay Arora
 17/10/19


Details/ Information to be provided to beneficiaries under clause (7) of Regulation 30 of CERC (Terms and Condition of Tariff) Regulations, 2014

**Details/information to be submitted in respect of Fuel for Computation of Energy Charges:
NTPC Ltd**

National Capital Thermal Power Station, Dadri Stage-I

Fuel: Coal Month -Nov.'18

S. No.	Particulars	Unit	Domestic	Imported
1	Quantity of Coal/Lignite supplied by Coal/Lignite Company #	MT	774978 305	0.000
2	Adjustment (+/-) in quantity supplied made by Coal/Lignite Company	MT	-159 355	0.000
3	Coal supplied by Coal/Lignite Company (1+2)	MT	774518 950	0.000
4	Normative Transit & Handling Losses (For coal/Lignite based Projects)	MT	5360 631	0.000
5	Net coal / Lignite Supplied (3-4)	MT	769158 319	0.000
6	Amount charged by the Coal /Lignite Company # #	Rs	2414593444	0
7	Adjustment (+/-) in amount charged made by Coal/Lignite Company	Rs		
8	Total amount Charged (6+7)	Rs	2414593444	0
9	Transportation charges by rail/ship/road transport	Rs	1501755645	
10	Adjustment (+/-) in amount charged made by Railways/Transport Company	Rs		
11	Demurrage Charges , if any	Rs	0	
12	Cost of Diesel in transporting coal through MGR system , if applicable	Rs		
13	Total Transportation Charges (9+/-10-11+12)	Rs	1501755645	0
13A	Others (Stone picking charges.Loco drivers salary,etc)	Rs	87507933	0
14	Total amount charged for the coal /lignite supplied including transportation (8+13+13A)	Rs	4003857022	0
15	Landed cost of coal/Lignite (14/5)	Rs/MT	5205.50	0.00
16	Blending Ratio (Domestic / Imported)		100.00	0.00
17	Weighted average cost of coal /Lignite	Rs/MT	5205.50	
18	GCV of domestic coal as per bill of coal company* (EQ Basis)	Kcal/Kg	5023	
19	GCV of imported coal as per bill of coal company (ADB Basis)	Kcal/Kg		No receipt during the month
20	Weighted average GCV of coal / Lignite as billed**	Kcal/Kg	5023	
21	GCV of Domestic Coal as received at Station (TM Basis)	Kcal/Kg	3797	
22	GCV of Imported Coal as received at Station (TM Basis)	Kcal/Kg		
23	Weighted average GCV of coal/ Lignite as Received (TM Basis)	Kcal/Kg	3797	

This includes opening stock

This includes value of opening stock

* Excluding Washed , E-Auction & Diverted Coal

** Weighted average GCV (as billed) does not include Washed Coal , E- Auction Coal & Diverted Coal.

D.C. Agrawal
D. C. AGRAWAL
 वरिष्ठ प्रबंधक (विन एवं लेन) / Sr. Manager (F&A)
 एन टी पी सी लिमिटेड / एन सी एच डी डी एल
 NTPC Ltd Fandabadi (SSC-Hydro&DBF), Fandabadi
 एन सी एच डी डी एल / Fandabadi

NTPC ब्रिजेश कुमार गर्ग
BRIJESH KUMAR GARG
 महाप्रबंधक (विन)
 General Manager Finance
 DBF-HO, Hydro-HQ & in-charge SSC-Finance
42 NTPC Limited
 (A Government of India Enterprise)
 Village : Mujeri, PO : Neemta, Fandabadi 121004 (Dist.)

Hariyash
 17/10/19

Details/ Information to be provided to beneficiaries under clause (7) of Regulation 30 of CERC (Terms and Condition of Tariff) Regulations, 2014
Details/information to be submitted in respect of Fuel for Computation of Energy Charges:
NTPC Ltd
National Capital Thermal Power Station, Dadri Stage-I

Fuel: Coal Month -Dec.'18

S. No.	Particulars	Unit	Domestic	Imported
1	Quantity of Coal/Lignite supplied by Coal/Lignite Company #	MT	844165.289	0.000
2	Adjustment (+/-) in quantity supplied made by Coal/Lignite Company	MT	-470.185	0.000
3	Coal supplied by Coal/Lignite Company (1+2)	MT	843695.104	0.000
4	Normative Transit & Handling Losses (For coal/Lignite based Projects)	MT	4778.408	0.000
5	Net coal / Lignite Supplied (3-4)	MT	838916.696	0.000
6	Amount charged by the Coal /Lignite Company # #	Rs	2993581924	0
7	Adjustment (+/-) in amount charged made by Coal/Lignite Company	Rs		
8	Total amount Charged (6+7)	Rs	2993581924	0
9	Transportation charges by rail/ship/road transport	Rs	1339747643	
10	Adjustment (+/-) in amount charged made by Railways/Transport Company	Rs		
11	Demurrage Charges , if any	Rs	0	
12	Cost of Diesel in transporting coal through MGR system , if applicable	Rs		
13	Total Transportation Charges (9+/-10-11+12)	Rs	1339747643	0
13A	Others (Stone picking charges, Loco drivers salary, etc)	Rs	-95912265	0
14	Total amount charged for the coal /lignite supplied including transportation (8+13+13A)	Rs	4237417302	0
15	Landed cost of coal/Lignite (14/5)	Rs/MT	5051.06	0.00
16	Blending Ratio (Domestic / Imported)		100.00	0.00
17	Weighted average cost of coal/Lignite	Rs/MT	5051.06	
18	GCV of domestic coal as per bill of coal company* (IEQ Basis)	Kcal/Kg	5414	
19	GCV of imported coal as per bill of coal company (ADB Basis)	Kcal/Kg		No receipt during the month
20	Weighted average GCV of coal / Lignite as billed**	Kcal/Kg	5414	
21	GCV of Domestic Coal as received at Station (TM Basis)	Kcal/Kg	3756	
22	GCV of Imported Coal as received at Station (TM Basis)	Kcal/Kg		
23	Weighted average GCV of coal/ Lignite as Received (TM Basis)	Kcal/Kg	3756	


This includes opening stock

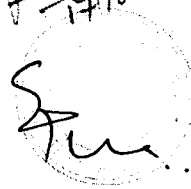
This includes value of opening stock

* Excluding Washed , E-Auction & Diverted Coal

** Weighted average GCV (as billed) does not include Washed Coal , E- Auction Coal & Diverted Coal.

D. C. Agrawal
 श्री सी अग्रवाल / D. C. AGRAWAL
 वरिष्ठ प्रबंधक (वित्त एवं लेखा) / Sr. Manager (F&A)
 एन टी पी सी लिमिटेड / फरीदाबाद गैस पीवर स्टेशन
 NTPC Ltd, Faridabad / (SSC-Hydro&DBF), Faridabad
 फरीदाबाद / Faridabad

Brijesh Kumar Garg

 बृजेश कुमार गर्ग
 BRIJESH KUMAR GARG
 महाप्रबंधक (वित्त)
 General Manager (Finance)
 DBF-HO, Hydro-HQ & In-charge SSC-Finance
 NTPC Limited
 (A Government of India Enterprise)

Kanjay Kumar
 17/10/19


Details of Secondary Fuel for Computation of Energy Charges

**PART-I
FORM- 15A**

Name of the Company :	NTPC Limited
Name of the Power Station :	National Capital Thermal Power Station Dadri, Stage-I

Sl.No.	Month	Unit	Oct-18		Nov-18		Dec-18	
			LDO	HFO	LDO	HFO	LDO	HFO
1	Quantity of Oil supplied by Oil Company*	KL	3,092.680	3,375.475	3,069.680	3,279.475	3,041.680	2,494.805
2	Adjustment (+/-) in quantity supplied made by Oil Company	KL						
3	Oil supplied by oil company (3+4)	KL	3,092.680	3,375.475	3,069.680	3,279.475	3,041.680	2,494.805
4	Normative Transit & Handling Losses	KL						
5	Net Oil Supplied (3-4)	KL	3,092.680	3,375.475	3,069.680	3,279.475	3,041.680	2,494.805
6	Amount charged by the Oil Company*	(Rs)	14,33,86,076	11,60,73,865	14,23,19,726	11,27,72,673	14,10,21,560	8,57,89,899
7	Adjustment(+/-) in amount charged made by Oil Company	(Rs)						
8	Total amount charged (6+7)	(Rs)	14,33,86,076	11,60,73,865	14,23,19,726	11,27,72,673	14,10,21,560	8,57,89,899
9	Transportation charges by rail / ship / road transport	(Rs)						
10	Adjustment (+/-) in amount charged made by Railways/Transport Company	(Rs)						
11	Demurrage Charges, if any	(Rs)						
12	Cost of diesel in transporting Oil through MGR system, if applicable	(Rs)						
13	Total Transportation Charges (9+/-10-11+12)	(Rs)						
14	Others -Entry Tax on Oil	(Rs.)						
15	Total amount Charged for fuel supplied including Transportation (8+13+14)	(Rs)	14,33,86,076	11,60,73,865	14,23,19,726	11,27,72,673	14,10,21,560	8,57,89,899
16	Weighted average GCV of Oil as fired	(kCal/L)	9,848.77		9,869.57		9,747.94	
17	Weighted average rate of Secondary Fuel	Rs/KL	46,363.05	34,387.42	46,363.05	34,387.42	46,363.05	34,387.42

Note: In terms of the order of Hon'ble Supreme Court regarding ban on use of HFO, main secondary fuel at Dadri is LDO w.e.f. 01.01.2019 and the same has been considered for calculation of Working Capital.

* Includes opening balance


PETITIONER

Computation of Energy Charges

**Form-15B
ADDITIONAL FORM**

Name of the Company	NTPC Limited
Name of the Power Station	National Capital Thermal Power Station Dadri, Stage-I

Computation of Energy Charges		
1	Rate of Energy Charge from Sec. Fuel Oil/ Alternate Fuel (p/kwh) (REC) _s	= (Q _s) _n X P _s 2.318
2	Heat Contribution from SFO / Alternate Fuel (H _s)	= (Q _s) _n X (GCV) _s 4.911
3	Heat Contribution from coal (H _p) _s	= GHR- H _s 2425.09
4	Specific Primary Fuel Consumption (Q _p) _n	= H _p / (GCV) _p 0.655
5	Rate of Energy charge from Primary Fuel (p/kwh) (REC) _p	336.131
6	Rate of Energy charge ex-bus (p/kWh) (REC)	= ((REC) _s + (REC) _p / (1-(AUX))) 369.889

		2019-20	2020-21	2021-22	2022-23	2023-24
No of Days in the year	Days	366	365	365	365	366
Sp. Oil consumption	ml/kwh	0.5	0.5	0.5	0.5	0.5
Auxiliary consumption	%	8.50	8.50	8.50	8.50	8.5
Heat Rate	Kcal/Kwh	2,430.00	2,430.00	2,430.00	2,430.00	2430

Computation of Variable Charges						
Variable Charge (Coal)	p/kwh	367.356	367.356	367.356	367.356	367.356
Variable Charge (Oil)	p/kwh	2.533	2.533	2.533	2.533	2.533
Total	p/kwh	369.889	369.889	369.889	369.889	369.889

Price of fuel from Form-15/15A

Coal Cost	(Rs./MT)	5135.17	5135.17	5135.17	5135.17	5135.17
Oil Cost	(Rs./KL)	46363.05	46363.05	46363.05	46363.05	46363.05

Computation of Fuel Expenses for Calculation of IWC:

ESO in a year	(MUs)	5738.68	5723.00	5723.00	5723.00	5738.675
ESO for 50 days	(MUs)	783.972	783.972	783.97	783.97	783.972
Cost of coal for 45 Days	(Rs. Lakh)	28799.67	28799.67	28799.67	28799.67	28799.67
Cost of oil for 2 months	(Rs. Lakh)	242.32	241.65	241.65	241.65	242.32
Energy Expenses for 45 days	(Rs. Lakh)	26098.46	26098.46	26098.46	26098.46	26098.46

Coal		3rd month	2nd month	1st month	Wtd. Avg.
Wtd. Avg. Price of Coal	Rs./MT	5157.50	5205.50	5051.06	5135.17
Wtd. Avg. GCV of Coal as received	kCal/Kg	3821	3797	3756	3789.88
Wtd. Avg. GCV of Coal as received after adjustment of 85 kcal/kg					3704.88
Sec. Oil					
Wtd. Avg. Price of Secondary Fuel	Rs/KL	46363.05	46363.05	46363.05	46363.05
Wtd. Avg. GCV of Secondary Fuel	kCal/L	9848.77	9869.57	9747.94	9822.39

PETITIONER

Statement of Capital cost

Name of the Petitioner

NTPC Ltd

Name of the Generating Station

National Capital Thermal Power Station Dadri, Stage-I

(Amount in Rs. Lakh)

S. No.	Particulars	2019-20		
		Accrual Basis	Un-discharged Liabilities	Cash Basis
A	a) Opening Gross Block Amount as per books	1,86,330.09	854.15	1,85,475.94
	b) Amount of IDC in A(a) above			268.04
	c) Amount of FC in A(a) above			
	d) Amount of FERV in A(a) above			
	e) Amount of Hedging Cost in A(a) above			
	f) Amount of IEDC in A(a) above			
B	a) Addition in Gross Block Amount during the period (Direct purchases)			
	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			

Shall be filed at the time of truing-up.


 (Petitioner)

Statement of Capital Woks in Progress

Name of the Petitioner

NTPC Ltd

Name of the Generating Station

National Capital Thermal Power Station Dadri, Stage-I

(Amount in Rs. Lakh)

S. No.	Particulars	2019-20		
		Accrual Basis	Un-discharged Liabilities	Cash Basis
A	a) Opening CWIP as per books	13,699.06	416.72	13,282.33
	b) Amount of IDC in A(a) above			750.08
	c) Amount of FC in A(a) above			
	d) Amount of FERV in A(a) above			
	e) Amount of Hedging Cost in A(a) above			
	f) Amount of IEDC in A(a) above			
B	a) Addition in CWIP during the period			
	b) Amount of IDC in B(a) above			
	c) Amount of FC in B(a) above			
	d) Amount of FERV in B(a) above			
	e) Amount of Hedging Cost in B(a) above			
	f) Amount of IEDC in B(a) above			
C	a) Transferred to Gross Block Amount during the pe			
	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			

Shall be filed at the time of truing-up.


 (Petitioner)

Calculation of Interest on Normative Loan

Name of the Company :		NTPC Limited					
Name of the Power Station :		National Capital Thermal Power Station Dadri, Stage-I					
		(Amount in Rs Lakh)					
S. No.	Particulars	Existing 2018-19	2019-20	2020-21	2021-22	2022-23	2023-24
1	2	3	4	5	6	7	8
1	Gross Normative loan – Opening	85,360.63	86,705.37	86,705.37	86,705.37	86,705.37	86,705.37
2	Cumulative repayment of Normative loan up to previous year	85,360.63	86,705.37	86,705.37	86,705.37	86,705.37	86,705.37
2A	Adjustment due to liability discharge						
2B	Adjustment due to decapitalization	166.54					
3	Net Normative loan – Opening	-	-	-	-	-	-
4	Add: Increase due to addition during the year / period	1210.82	-	-	-	-	-
5	Less: Decrease due to de-capitalisation during the year / period	166.54	-	-	-	-	-
6	Less: Decrease due to reversal during the year / period						
7	Add: Increase due to discharges during the year / period	300.45	-	-	-	-	-
8	Less: Repayment of Loan	1511.27	-	-	-	-	-
9	Net Normative loan - Closing	-	-	-	-	-	-
10	Average Normative loan	-	-	-	-	-	-
11	Weighted average rate of interest	8.6932	8.4266	8.4364	8.4470	8.4442	8.4442
12	Interest on Loan	0.00	0.00	0.00	0.00	0.00	0.00


(Petitioner)

Calculation of Interest on Working Capital

Name of the Company : NTPC Limited

Name of the Power Station : National Capital Thermal Power Station Dadri, Stage-I

(Amount in Rs Lakh)

S. No.	Particulars	Existing 2018-19	2019-20	2020-21	2021-22	2022-23	2023-24
1	2	3	4	5	6	7	8
1	Cost of Coal/Lignite	31,138.79	28799.67	28799.67	28799.67	28799.67	28799.67
2	Cost of Main Secondary Fuel Oil	190.12	242.32	241.65	241.65	241.65	242.32
3	Fuel Cost						
4	Liquid Fuel Stock						
5	O & M Expenses	2,690.51	2442.03	2539.09	2639.82	2746.80	2858.37
6	Maintenance Spares	6,457.22	5860.86	6093.82	6335.56	6592.33	6860.09
7	Receivables	42,275.41	33092.99	33263.18	32290.61	32411.78	32567.07
8	Total Working Capital	82752.04	70437.87	70937.42	70307.32	70792.24	71327.52
9	Rate of Interest	13.5000	12.0500	12.0500	12.0500	12.0500	12.0500
10	Interest on Working Capital	11171.52	8487.76	8547.96	8472.03	8530.46	8594.97

Petitioner 

Statement of Liability Flow

Part-I

Form-5

Amount in Rs

Name of the Company :	NTPC Limited
Name of the Power Station :	National Capital Thermal Power Station Dadri, Stage-I

Amount in Rs					
Sr. No.	Name of the Party	Name of the work	Year of creation of liability capitalised in Gross Block	Remarks	Undischarged liabilities relating to GB 31.03.2019
(1)	(2)	(3)	(4)		(10)=(5+6+8A-9)
1	LAND ACQUIS OFF- GL 2051809	LAND FREEHOLD -PLANT/OFFICE	1992-93 onwards	Allowed	5,99,14,416
2	LAND ACQUIS OFF- GL 2051809	LAND FREEHOLD -PLANT/OFFICE (MURADNAGAR)	1984-85 onwards	Disallowed	81,47,226
3	VIKRAM CONSTRUCTIONS	CIVIL WORK AT CHP	2005-06	Allowed	1,22,298
4	S R PARYAVARAN ENGIN	HVAC System of Administration Building Auditorium	2007-08	Disallowed	8,56,416
5	HI-TECH AUDIO SYSTEM	Sound Reinf system for Auditorium	2011-12	Disallowed	2,44,730
6	SIEMENS LTD	Retrofitting of Generator protection panel with integrated numerical generator protection relay	2013-14	Disallowed	4,65,103
8	ALSTOM INDIA LTD	Renovation of ESP field and rapper contr	2013-14	Disallowed	381
10	PERFECT ENGINEERING	Chlorine absorption system for PTP . CW	2013-14	Disallowed	20,000
22	Genus Power Infrastructures Ltd	Township Metering	2014-15	Disallowed	59,367
23	EMERSON PROCESS MANAGEMENT (INDIA)	Renovation of SWAS Analyzers	2014-15	Disallowed	1,22,742
27	ANALYSER INSTRUMENT CO PVT LTD	Continuous Emission Monitoring System	2015-16	New Claims	3,45,700
35	ALSTOM T&D INDIA LTD	BUSBAR PROTECTION RELAY.MICOM P741.	2016-17	New Claims	7,68,000
37	KAY DEE ENGINEERS	NUMERICAL MOTOR PROTECTION RELAY 1A	2017-18	Not Claimed	9,708
38	KAY DEE ENGINEERS	NUMERICAL FEEDER PROTECTION RELAY 1A	2017-18	Not Claimed	9,708
39	KAY DEE ENGINEERS	NUMERICAL TRANSFORMR PROTECTION RELAY	2017-18	Not Claimed	9,708
41	SKS MECH ENGINEERS PVT.LTD.	TRUCK TIPPLER TYPE HYD.60T.T-ANGLE 55°	2018-19	Not Claimed	5,41,520
42	Minimax GmbH & Co KG	Inert Gas Fire Extinguishing System ST-I	2018-19	Claimed	30,55,366
43	ELECON ENGINEERING CO LTD	FC:ELECON.CDIR-584.COMP ASSY	2018-19	Not Claimed	12,348
44	Clyde Pumps India Pvt Ltd	JOURNAL BRG NO:4.FK6D30. BHEL HP-BFP	2018-19	Not Claimed	96,000
45	AMAZON CONTROL TECHNOLOGY	SCOOP TUBE ACTUATOR. MODEL NO.RHD250-	2018-19	Not Claimed	2,36,250
46	SUPER CHEMFAB ENGINEERS &	ACID STORAGE TANK:ACID STORAGE TAN	2018-19	Not Claimed	6,21,863
47	AIA ENGINEERING LIMITED	XRP883:GRINDING ROLL	2018-19	Not Claimed	23,89,984
48	AIA ENGINEERING LIMITED	SET OF BULL RING SEGMENTS.	2018-19	Not Claimed	23,89,984
49	SUPER CHEMFAB ENGINEERS &	ACID STORAGE TANK:ACID STORAGE TANK	2018-19	Not Claimed	6,21,863
50	LLOYD INSULATIONS INDIA LTD	FIRE PROTECTION SYSTEM	2018-19	Claimed	43,54,423
					8,54,15,103

Upto 31-March-2009	Items allowed		6,00,36,714
	Items not allowed		90,03,642
From 1-April-2009 to 31-March-2014	Items allowed		
	Items not allowed		7,30,214
	Items not claimed		
From 1-April-2014 to 31-March-2019	Items allowed		
	Items not allowed		1,82,109
	Items not claimed		69,38,936
	New Claims/Claimed		85,23,489
TOTAL	Items allowed		6,00,36,714
	Items not allowed		99,15,965
	Items not claimed		69,38,936
	New Claims		85,23,489
GRAND TOTAL			8,54,15,103

(Petitioner)

Summary of issue involved in the petition

**PART 1
FORM-T**

Name of the Company :		NTPC Limited				
Name of the Power Station :		National Capital Thermal Power Station Dadri, Stage-I				
1	Petitioner:	NTPC Limited				
2	Subject	Determination of Tariff for 2019-24 period				
3	Prayer:	i) Approve tariff of NCTPS-I for the tariff period from 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.				
4	Respondents					
	Name of Respondents					
	a. Uttar Pradesh Power Corp. Ltd.					
	b. BSES Rajdhani Power Ltd. (BRPL)					
	c. BSES Yamuna Power Ltd. (BYPL)					
	d. Tata Power Delhi Distribution Ltd (TPDDL)					
	e. New Delhi Municipal Corporation (NDMC)					
5	Project Scope					
	Capital Cost as on 01.04.2019	172433.91				
	Date of Takeover	01-12-1995				
	Claim (Rs Lakh)	2019-20	2020-21	2021-22	2022-23	2023-24
	AFC	60878.82	64098.80	58205.23	59188.06	60591.38
	Capital Cost	172433.91	172433.91	172433.91	172433.91	172433.91
	Initial spare	N/A				
	NAPAF (Gen)	85%				
	Any Specific					


 Petitioner