

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-8 of Central Electricity Regulatory Commission (Terms and Conditions of Tariff) Regulations, 2014 for approval of tariff of *Koldam Hydro Electric Project (4 X 200 MW)* for the period from 01.04.2019 to 31.03.2024.

INDEX

Sl. No.	Description	Page No.
1	Index	1
2	Petition for approval of Tariff of Koldam Hydro Electric Project for the period 01.04.2019 to 31.03.2024	2 - 7
3	Affidavit	8-9
4	Copy of Power of Attorney	10-14
5	Annexure A	15-20
6	Annexure B	21-22
7	Annexure C	23
8	Annexure D	24
9	Annexure E	25-26
10	Appendix-I	27- 159



BEFORE THE CENTRAL ELECTRICITY REGULATORY COMMISSION
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AND

IN THE MATTER OF

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

- Respondents:
1. Uttar Pradesh Power Corp. Ltd. (UPPCL)
Shakti Bhawan
14, Ashok Marg
Lucknow – 226 001
 2. Haryana Power Purchase Centre. (HPPC)
Shakti Bhawan
Sector – VI,
Panchkula
Haryana – 134 109
 3. Punjab State Power Corporation Ltd. (PSPCL)
The Mall
Patiala – 147 001
 4. Himachal Pradesh State Electricity Board Ltd.
(HPSEB Ltd.)
Kumar Housing Complex Building-II
Vidyut Bhawan
Shimla – 171 004
 5. Power Development Department (PDD-J&K)
Govt. of J&K ,



Civil Secretariat
Srinagar

6. Electricity Department (Chandigarh)
Union Territory of Chandigarh
Addl. Office Building
Sector-9 D
Chandigarh
7. Uttarakhand Power Corporation Ltd. (UPCL)
Urja Bhavan
Kanwali Road
Dehradun – 248 001
8. Rajasthan Urja Vikas Nigam Limited (RUVNL)
Vidyut Bhawan
Janpath
Jaipur - 302005

The Petitioner humbly states that:

- 1) The Petitioner herein NTPC Ltd. (hereinafter referred as 'Petitioner' or 'NTPC'), is a Government Company within the meaning of the Companies Act, 1956. Further, it is a 'Generating Company' as defined under Section 2(28) of the Electricity Act, 2003.
- 2) The Petitioner is having power stations/ projects at different regions and places in the country. Koldam Hydro Electric Plant (4 X 200 MW) (hereinafter referred to as Koldam HEP) is one such station located in the State of Himachal Pradesh. The power generated from Koldam HEP is being supplied to the respondents herein above.
- 3) Section 62 of Electricity Act, 2003 provides for determination of tariff by the Appropriate Commission for supply of electricity by a generating company. The Hon'ble Commission, under Section 79(1)(a) of Electricity Act, 2003, is vested with the jurisdiction to regulate the tariff of the Generating Companies owned or controlled by the Central Government.

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 under Section 62 & 79 of the Electricity Act, 2003.

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, 2019."

It is submitted that the date of filing of tariff petitions 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 Koldam HEP for the period from 01.04.2019 to 31.03.2024 as per the Tariff Regulations 2019.

6) The tariff of the Koldam for the tariff period 18.07.2015 (Station CoD) to 31.3.2019 was determined by the Hon'ble Commission vide its order dated 05.04.2018 in Petition No. 107/GT/2015 in accordance with the CERC (Terms & Conditions of Tariff) Regulations 2014. Further, the petitioner vide affidavit dated 27.01.2019 has filed a separate true up petition for the period 18.07.2015 (Station CoD) 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 05.04.2018 in Petition no 107/GT/2015 has allowed a capital cost of Rs 6781 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. 6992.79 Crs based on the actual expenditure after truing up exercise for the period 2014-19. Accordingly, the Petitioner has adjusted an amount of Rs. 211.79 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 6992.79 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 expenditure claimed in the instant petition is based on the opening capital cost as on 01.04.2019 considered as above and capital expenditures for the period 2019-24 have been projected based on the Regulation 19 and Regulation 25, 26 and 76 of the Tariff Regulations, 2019.
- 9) The Petitioner further respectfully submits that as per Regulation 35(2) (c) of the Tariff Regulations 2019, the security expenses and capital spares consumed for Hydro generating stations are to be allowed separately. 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(2) (c) based on actual consumption of spares during the period 2019-24.
- 10) It is further submitted that as per "Note" to the Regulation 35(2)(a) read with corrigendum dated 15.03.2019 issued for the Tariff Regulations 2019, the impact in respect of revision of pay revision, minimum wage and GST on O&M expenses will be considered at the time of determination of tariff. The Petitioner is presently claiming the impact in respect of pay-revision and GST based on 2018-19 data subject to retrospective adjustment based on actuals at the time of truing up. Further, the petitioner shall be claiming the impact of minimum wages on O&M Expenses in terms of above at the time of Truing Up.
- 11) In view of the above, additional O&M considered due to impact of GST and Pay Revision for the Tariff computation is as tabulated under;

Particulars	2019-20	2020-21	2021-22	2022-23	2023-24
Impact of GST	179.82	179.82	179.82	179.82	179.82
Impact of Pay Revision	1770.28	1770.28	1770.28	1770.28	1770.28
Total	1950.10	1950.10	1950.10	1950.10	1950.10

- 12) 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 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.
- 13) 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.
- 14) It is submitted the Petitioner has served the copy of the Petition on to the Respondents mentioned herein above and has posted the Petition on the company website i.e. www.ntpc.co.in
- 15) 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 petition filed by NTPC for determination of capital base as on 31.3.2019 through true-up exercise is 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 Koldam Hydro Electric Project (4 X 200 MW) for 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 additional O&M Expenses due to impact of pay revision, GST and grant liberty to claim the impact of revision of minimum wages in terms of Regulation 35(2) (a);
- iv) Pass any other order as it may deem fit in the circumstances mentioned above.


Petitioner

Place - Noida.

Date - 31.01.2020.

BEFORE THE CENTRAL ELECTRICITY REGULATORY COMMISSION
NEW DELHI

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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-8 of Central Electricity Regulatory Commission (Terms and Conditions of Tariff) Regulations, 2019 for Approval of tariff of Koldam Hydroelectric Power Project (4 x 200 MW) for the period **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

Versus

1. Uttar Pradesh Power Corporation Limited (UPPCL)
Shakti Bhawan
14, Ashok Marg
Lucknow-226 001

& Others

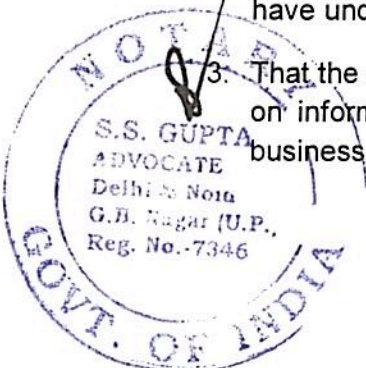


- Respondents

AFFIDAVIT

I, Ishpaul Uppal son of Sh. P.K. Uppal aged about 52 years resident of D-108, NTPC Colony, Sector-33, NOIDA do hereby solemnly affirm and state as under:

1. I am the Addnl. General Manager 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 filed by NTPC & have understood the contents of the same.
3. That the contents of the accompanying petition being filed by NTPC are based on information available with the Petitioner NTPC in the normal course of business and believed by the deponent to be true.




DEPONENT
7

VERIFICATION

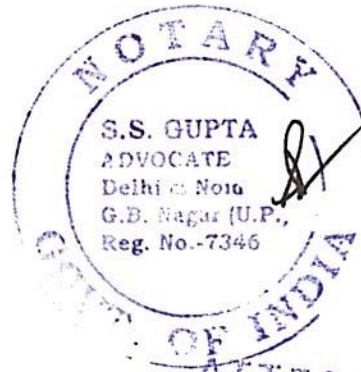
I, the deponent above named do hereby verify that the contents of my above affidavit are true to my knowledge, no part of it is false and nothing material has been concealed there from.

Verified at New Delhi on this 31st day of January 2020



DEPONENT

Aadhar no-369942559400



ATTESTED

S.S. GUPTA, ADVOCATE
NOTARY PUBLIC
Delhi & Noida G.B. Nagar (U.P.)

31 Jan 2020



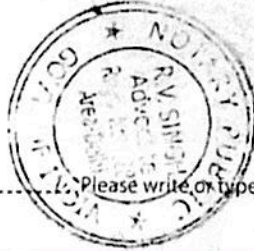
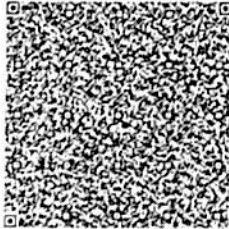
सत्यमेव जयते

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e-Stamp

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Property Description : Not Applicable
Consideration Price (Rs.) : 0
(Zero)
First Party : NTPC
Second Party : Not Applicable
Stamp Duty Paid By : NTPC
Stamp Duty Amount(Rs.) : 50
(Fifty only)



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SUB-DELEGATION OF AUTHORITY

Pursuant to the powers vested under the General Power of Attorney dated 26.12.2018, executed in favour of the undersigned by the Chairman & Managing Director of NTPC Ltd. (A Government of India Company, incorporated under the Companies Act, 1956) having its registered office at NTPC Bhawan, SCOPE Complex, 7, Institutional Area, Lodhi Road, New Delhi-110003 which includes the power to sub-delegate, I, Rajnish Bhagat, Executive Director (Commercial), NTPC Ltd. working in the Corporate Office at NTPC Bhawan, SCOPE- Complex, 7,

Rajnish Bhagat

Page 1 of 2

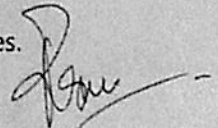
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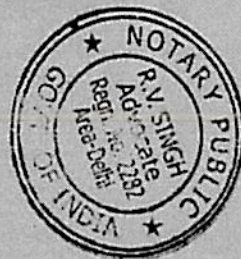
Rajnish Bhagat

Institutional Area, Lodhi Road, New Delhi -110003 do hereby authorise and empower the following executives of NTPC Limited namely (1) Sh. Manoj Mathur, GM (Commercial) ; (2) Sh. Atish Basu Roy, GM (Commercial); (3) Sh. KB Singh, GM (Commercial); (4) Sh. Ashish Kundu, GM (Commercial); (5) Sh. Ajay Dua, GM (Commercial); (6) Sh. Rohit Chhabra, AGM (Commercial); (7) Sh. Shyam Kumar, AGM (Commercial); (8) Sh. Anand Sagar Pandey, AGM (Commercial) (9) Sh. Abhasha Ranjan Mohanty, AGM (Commercial); (10) Sh. Evani Prabhakara Rao, AGM (Commercial); (11) Sh. Ish Paul Uppal, AGM (Commercial); (12) Sh. Uma Shankar Mohanty, AGM (Commercial); (13) Sh. Surya Prakash Kesarwani, DGM (Commercial); (14) Sh. Manoj Kumar Sharma, DGM (Commercial); (15) Sh. Shailendra Singh, DGM (Commercial); (16) Sh. Prashant Chaturvedi, DGM (Commercial); (17) Sh. Manish Jain ,DGM (Commercial); (18) Sh. Sachin Jain, DGM (Commercial); (19) Sh. Parimal Piyush, DGM (Commercial); (20) Sh. Vinay Kumar Garg, DGM (Commercial); (21) Sh. Umesh Ambati, DGM (Commercial); (22) Sh. MK Malviya ,DGM (Commercial) to exercise the powers mentioned here under relating to cases before Central Electricity Regulatory Commission, Various State Electricity Regulatory Commissions ,Appellate Tribunal for Electricity, Various High Courts, Supreme Court and other Courts, Forums, Tribunals and Commissions etc.

1. To institute and defend legal cases, sign and verify plaints, written statements, petitions and objections, memorandum of appeal, claims, affidavits, applications, replications and pleadings of all kinds and to file them in Central Electricity Regulatory Commission, Various State Electricity Regulatory Commissions ,Appellate Tribunal for Electricity, Various High Courts, Supreme Court and other Courts, Forums, Tribunals and Commissions etc.
2. To appear and conduct cases before Central Electricity Regulatory Commission, Various State Electricity Regulatory Commission, Appellate Tribunal for Electricity, Various High Courts, Supreme Court and other Courts, Forums, Tribunals and Commissions etc.
3. Generally to do all lawful acts necessary for the above mentioned purposes.



Rajnish Bhagat
Executive Director (Commercial)
NTPC Ltd.



Place: New Delhi

Date: 08/01/2019

Witness 1: *Nishant*
(NISHANT GUPTA)
Manager (Law) NTPC
E.No-045047

Witness 2:
Nagesh
NAGESH KUMAR
Manager (Comm), NTPC
Emp No: 101218

ATTESTED

[Signature]
Notary Public Delhi

- 8 JAN 2019, Page 2 of 2





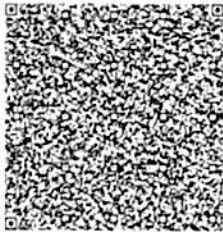
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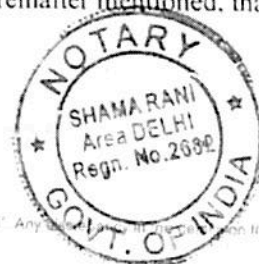
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Description of Document	: Article 48(c) Power of attorney - GPA
Property Description	: Not Applicable
Consideration Price (Rs.)	: 0 (Zero)
First Party	: NTPC LIMITED
Second Party	: Not Applicable
Stamp Duty Paid By	: NTPC LIMITED
Stamp Duty Amount(Rs.)	: 50 (Fifty only)



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GENERAL POWER OF ATTORNEY

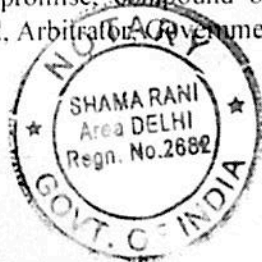
Be it known to all that NTPC Limited (A Government of India Company incorporated under the Companies Act, 1956) having its Registered office at NTPC Bhawan, SCOPE Complex, 7, Institutional Area, Lodi Road, New Delhi-110 003 (hereinafter called "Company") do hereby constitute, nominate and appoint Shri Rajnish Bhagat, Executive Director (Commercial) of the Company as its true and lawful attorney (hereinafter called "Attorney") to do for and on behalf and in the name of the Company all or any of the acts, deeds or things hereinafter mentioned, that is to say:-



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2. The onus of checking the legitimacy is on the users of the certificate.
3. In case of any discrepancy please inform the Competent Authority.

1. To institute, defend, argue and conduct legal cases, sign and verify plaints, written statements, petitions and objections, criminal complaints, memorandum of appeal, claims, affidavits, applications, replications and pleadings of all kinds and to file them in Central Electricity Regulatory Commission, Appellate Tribunal for Electricity, State Electricity Regulatory Commission etc., any Courts (whether having original or appellate jurisdiction) Arbitration and before Government or Local Authorities or Registration Authorities, Tax Authorities, Tribunals etc.
2. To appear and act in all the Courts (whether original or appellate), before the Taxation Authorities, Central Electricity Regulatory Commission, State Electricity Regulatory Commissions, Tribunals including Appellate Tribunal for Electricity, etc., Arbitrators, any office of Govt. or Distt. Board, Municipal Board of notified area or any other local authority.
3. To file and receive back documents, to deposit and withdraw money from Courts, Tribunals, Registrar's Office and other Government or Local Authorities and to issue valid receipts therefor.
4. To apply for and obtain refund of stamp duty or Court fee etc.
5. To apply for the inspection of Judicial/Official records in any Court, Tribunal, Arbitrator, Government office or records maintained by other Authorities.
6. To apply and obtain certified copies of judgements, or to obtain documents and papers from any Court, Tribunal, Arbitrator, Govt. office or any other Authorities.
7. To issue legal notices and accept services of summons, notices or writs issued by any Court, Tribunal or Arbitrator, Govt. office or any other Authority against the Company.
8. To appoint or engage any Advocate, Vakild, Pleader, Solicitor or any other legal practitioner as attorney to appear and conduct case proceedings on behalf of the Company and to settle their fees and charges etc.
9. To sub-delegate all or any of the aforesaid powers to officers under him.
10. To compromise, compound or withdraw the cases, awards etc. from any Court, Tribunal, Arbitrator, Government or other Authorities.



A handwritten signature in blue ink, appearing to be "S. J. Singh".

11. To execute deeds, agreements, bonds and other documents and returns in connection with the affairs of the Company and file them or cause to be filed for Registration, whenever necessary.
12. To obtain permission(s) from Govt. of India / Reserve Bank of India or other Authorities, if necessary.
13. Generally to do all lawful acts, necessary for the above mentioned purposes.

The Company hereby agrees to ratify and confirm all and whatsoever the said Attorney shall lawfully do, execute or perform or cause to be done, executed or performed in exercise of the power or authority conferred under and by virtue of this Power of Attorney.

IN WITNESS WHEREOF THE Company in pursuance of the Resolution of the Board of Directors of the Company passed in its Meeting held on 31st January, 2011 has, under the hand of its Chairman & Managing Director and under the Common Seal of the Company, executed this Power of Attorney in favour of Shri Rajnish Bhagat, Executive Director (Commercial) of the Company on this 26th day of December, 2018.

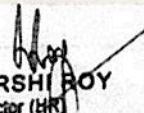
NTPC
NTPC Limited
New Delhi

The Common Seal of NTPC Limited has been affixed hereunto in the presence of the executant and:-

Signed for and on behalf of
NTPC Limited

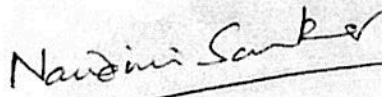

GURDEEP SINGH
Chairman & Managing Director
NTPC Limited
NTPC Bhawan, Core-7, SCOPE Complex
Lodhi Road, New Delhi-110003

1.


SAPTARSHI ROY
Director (HR)
NTPC Limited
NTPC Bhawan, Scope Complex,
7, Institutional Area, Lodhi Road, New Delhi



2.


नन्दिनी सरकार
NANDINI SARKAR
कंपनी सचिव
Company Secretary
एनटीपीसी लिमिटेड / NTPC Limited
NTPC Bhawan, Scope Complex,
7, Institutional Area, Lodhi Road, New Delhi

ATTESTED

NOTARY PUBLIC
DELHI (INDIA)

26 DEC 2018



**Status of muck protection measures in NTPC Kol Dam
(Inspection conducted on 04-09-2017)**

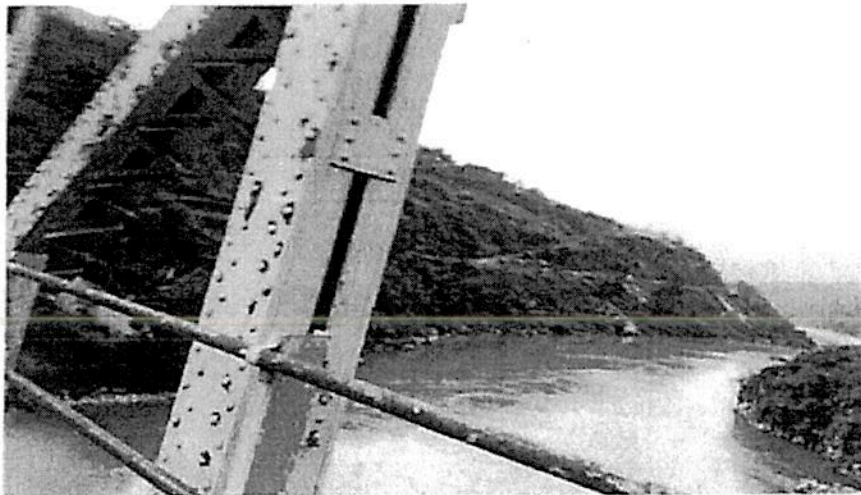
S.No.	Location of muck dumping	Remarks
1.	Damaged protection works near Maitri Setu LHS of River Satluj.	Needs <u>immediate</u> protection measures.
2.	DS Maitri Setu fully Protected: LHS River Satluj.	Fully protected, stabilised and restored. Needs no action.
3.	DS, Maitri Setu fully Protected: LHS River Satluj.	Fully protected, stabilised and restored. Needs no action.
4.	DS, Maitri Setu fully Protected: LHS River Satluj.	Fully protected, stabilised and restored. Needs no action.
5.	US Maitri Setu: RHS and LHS of Satluj River: Protection works washed out needs immediate protection.	Already provided protection measures washed out, needs <u>immediate</u> protection works.
6.	LHS River Satluj: Opposite spillway plunge pool, provided protection found washed out.	Needs <u>immediate</u> protection of damaged portion.
7.	RHS of plunge pool, damaged needs protection.	Needs <u>immediate</u> protection of damaged portion.
8.	US Maitri Setu near plunge pool spillway: LHS Satluj River: Protection washed out.	Needs <u>immediate</u> protection of damaged portion.

From view of ① LHS - between spillway & Maitri Setu towards spill

Status of muck protection measures in NTPC Kol Dam (Inspection on 04-09-2017)



1. Damaged protection works near Maitri Setu LHS of River Satluj.



2. DS Maitri Setu Fully Protected : LHS River Satluj.



3. DS Maitri Setu Fully Protected: LHS River Satluj.



4. DS Maitri Setu Fully Protected: LHS River Satluj.

-3-



5. US Metri Setu : RHS and LHS of Satluj River: Protection works washed out, needs immediate protection.

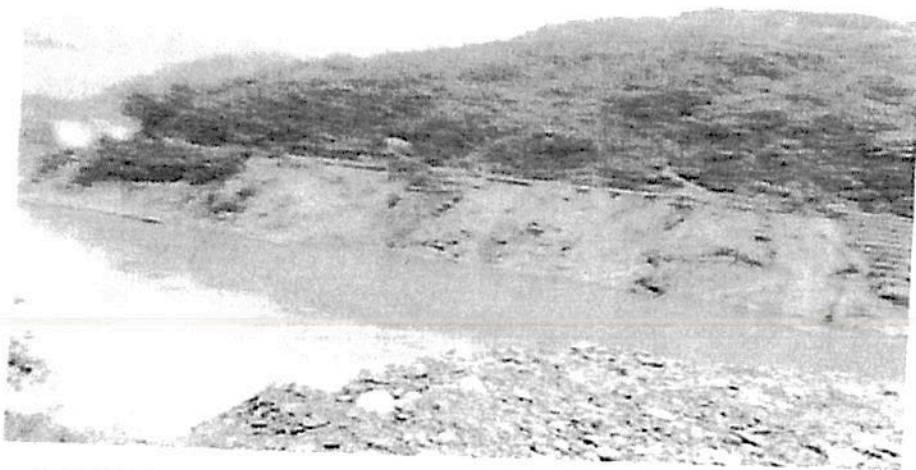


6. LHS River Satluj: Opposite spillway plunge pool , provided protection found washed out.

-4-



7. RHS of plunge pool, damaged needs protection.



8. US Maitri Setu near plunge pool spillway: LHS Satluj River: Protection washed out.

**POE VISIT TO KOLDAM HEPP FROM 25.06.2019 TO 28.06.2019
FOR THE ISSUE OF FLIP BUCKET**

The Project site was visited by POE consisting of Sh. R. Jeyaseelan, Former Chairman CWC and Sh. Gopal Dhawan, Former MD, MECL & ED-NHPC, accompanied by Project representatives and HRHQ officers of NTPC (Annexure-A). The critical issues referred for study were seen at site and detailed discussions were held. After the site visit, General Manager of the Project was appraised about the observations made on the problem identified and the requirement of further drawings and data for analyzing genesis of various types of instabilities and deformation being faced in various components connected with the plunge pool and flip bucket. Project officer have been advised to furnish the following information and drawings/data at the earliest:

a. GEOLOGICAL DATA:

- i. Foundation grade geology of plunge pool, flip bucket and spillway be plotted on as built design drawing in 1:1000 scale. The geologist has been advised to plot foliations and all major joint sets, shear zones etc. on the geological map. In addition, all cracks and opening of construction joints, lift joints be also plotted on the geological plan. Further, location of all the bore holes drilled during investigation/ construction/ operation stage be plotted on the geological plan.
- ii. Copies of all the drilled holes logs and reports particularly on any geotechnical tests performed in drill holes and drilled cores be provided. While scrutinizing the records provided by NTPC, it came to notice that SPT tests have been conducted in 5 drill holes. Report on SPT test may be provided.
- iii. A summary of rock mass parameters (viz rock type, rock strength, orientation of shear zones/ joints with opening, spacing etc. of joints for different litho units such as phyllites, carbonaceous phyllites, basic dyke etc.) from available geological reports and foundation grade maps be prepared. In addition results of rock mechanic testing (UCS, Modulus and shear strength parameters) and plate load testing carried out for assessing bearing capacity for different litho units may be compiled and supplied.
- iv. A longitudinal geological section be prepared along centre line of spillway to end of plunge pool.
- v. A few geological cross sections are also required to be prepared a) perpendicular to spillway axis (indicated in drawing) and b) along the flip bucket joint (perpendicular to spillway axis).
- vi. One cross-section each on the right bank and left bank of plunge pool. These cross-sections shall be perpendicular to the slope of the banks as marked in the drawing.

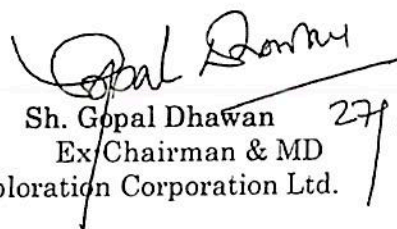
b. DESIGN/ FIELD DATA

- i. Year wise flood peaks observed and used in hydrological studies.
 - ii. Physical hydrological model study for the chute spillway and plunge pool design.
 - iii. Plunge pool scour depths computed for various spill discharges, flip flow profile and impingement zone.
 - iv. Design of the flip bucket block with the forces (static and dynamic) assessed for design.
 - v. Reservoir operation schedule drawn up (summary).
 - vi. Tail water rating curve for the outflow from plunge pool.
 - vii. Topographic map of the plunge pool (extending up to river confluence with the Power house discharge channel) as existing now after the erosion failures that have taken place on both banks.
 - viii. As constructed drawing of spillway and plunge pool (plan and cross-sections).
 - ix. The excavation plan showing the bottom level as 470 and 485 in different drawings need to be reconciled and reasons for changing the bottom level from 470 to 485 may be checked up and provided.
 - x. The bathymetric survey plan along the civil structures superimposed.
 - xi. All the instrumentation data observed at site for spillway and plunge pool.
- c. Since commissioning of the Project, detailed note on the damages which occurred in both the banks and the remedial measures carried out in chronological order.
- d. It is understood that layout of spillway arrangement originally planned was modified during construction. A brief note on the need for the changes made and the finalized layout adopted may be provided.

Further, for drawing up the remedial measures, a meeting may be organized at Delhi for discussions with the agency carrying out hydraulic model study and the designers. Report of the panel of experts will be compiled on receipt of the above mentioned additional information/ data/drawings.



Sh. R. Jeyaseelan
Former Chairman
Central Water Commission



Sh. Gopal Dhawan 27/07
Ex/Chairman & MD
Mineral Exploration Corporation Ltd.



1306
3/10/19

SECRET

F.No.1/6/2011/IT (E-22-Part-1) (246867)
Government of India
Ministry of Power

Shram Shakti Bhavan, Rafi Marg,
New Delhi, Dated: 23rd October, 2019

To

1. Chairperson-CEA
2. CMD-NTPC/NHPC/POWERGRID/PFC/REC/NEEPCO/THDC/POSOCO/SJVNL
3. Chairman-DVC/BBMB
4. DG-BEE/NPTI/CPRI
5. Secretary-CERC/ATE
6. MD-EESL
7. CISO-MoP [Kind.Attn. Shri MAKP Singh, CE(IT), CEA]
8. CERT-Thermal/Hydro/Transmission/Distribution
9. Sr.Tech.Dir. (NIC)-MoP

All directors

Sir,

I am directed to inform that reliable inputs indicate that Pak based anti-India agencies have prepared a blue print to hack/exploit computer/cyber systems in India and are exploring capabilities towards implementing the same immediately.

2. This new strategy aims to concentrate efforts towards disrupting important Indian economic hubs and vital installations, through cyber attacks and disrupting the computer systems as an alternative to trans-border terrorism. Such attacks, especially on our power, transport, financial and energy related systems, can potentially damage economic activities in the country and cause large scale disruption in affected areas/sectors.

3. Keeping in view of the prevailing security scenario in the country, it is requested to urgently review and strengthen the cyber/computer and physical security of vital installations and critical infrastructure.

4. The matter may be accorded top priority.

Yours Faithfully,

[Signature]
23/10/19
(Praveen Kumar)

Under Secretary to the Govt. of India
(Tel.No.23715507 ext. 281
e-mail: mopenic.in)



सप्तर्षि राय

निदेशक (मानव संसाधन)

SAPTARSHI ROY

Director (Human Resources)

एन टी पी सी लिमिटेड
(भारत सरकार का उद्यम)NTPC Limited
(A Govt. of India Enterprise)

केन्द्रीय कार्यालय / Corporate Centre

Dated: 08.11.2018

Subject: Integrated Security System in NTPC Stations /Projects.Dear *Shri Rajesh Ranjan,*

At the outset, let me thank you for your positive response to our proposal for creating an integrated security system in NTPC project sites.

We are consciously aware that security is a very critical and sensitive aspect of creating huge national assets of critical sectors, like that of ours. CISF, being the exclusive Govt. of India instrumentality, dedicated for Industrial Security, has been deployed at our project / operational sites for protection of our men and material.

In this regard, we are actively considering to take advantage of the latest technological advancement in the area of Security, which will not only enhance the security preparedness of our vital installations of national interest but also can create a possibility of rationalizing the deployment of CISF, thus making the system less susceptible to human error. We are initiating induction of latest technology to strengthen integrated security system in our power stations. CISF has always being our partner in progress. We strongly believe that rationalization of the deployed strength can take place as a consequence of Integrated Security System, as this initiative can yield results only with active support and involvement of CISF.

We are very thankful for the recent responses from CISF to our team who has been closely interacting for the last 3-4 months to realize the subject objective.

We would also like to bring to your kind knowledge that we are working out the blue prints for installation of Integrated Security system for one big operational thermal sites, one operational hydro site and one green field site to start with. Other sites will be taken up in phases subsequently. We will be seeking your active cooperation and guidance for further progress in this direction so that the existing strength in the concerned project sites are rationalised without compromising on the quality of security service and essential manpower with specialised training only are deployed to meet the requirement.

To take this initiative forward for its successful implementation through participative approach, we are contemplating a discussion on the issue with the top team of NTPC and CISF officials to seek valuable guidance at the earliest as per mutual convenience.

We shall be soliciting your kind response in this direction.

Warm regards,

Yours Sincerely,

Saptarshi Roy

Sh. Rajesh Ranjan, IPS
Director General (CISF)
CISF Head Quarter,
CGO Complex, Lodhi Road,
New Delhi-110003

Ranjan
09/11/18

[Signature]

Raj Pal
आर्थिक सलाहकार
Economic Adviser
Tel. No.:011-23715595
E-mail : raj.pal@nic.in



ANNEXURE - E
भारत सरकार
GOVERNMENT OF INDIA
विद्युत मंत्रालय
MINISTRY OF POWER
श्रम शक्ति भवन, रफी मार्ग
SHRAM SHAKTI BHAWAN, RAFI MARG

नई दिल्ली - 110001

NEW DELHI - 110001

Dated :-2nd August, 2017

DO NO.9/23/2014-EC

Dear Mr Singh

As you may be aware, lighting accounts for more than 20% of total electricity consumption in India. Use of LED lights in domestic and public lightings could result in 50-90% reduction in energy consumption by lighting. It was with this objective that the Hon'ble Prime Minister, on 5th January, 2015 launched the National LED Programme to facilitate rapid adoption of LED based home lighting and street lighting across the Country. This programme, consisting of Unnat Jyoti by Affordable LEDs for All (UJALA) and Street Lightings National Programme (SLNP), is being implemented by EESL, a joint venture company of four Power Sector PSUs.

2. The issue relating to use of LED lights was also deliberated in the infrastructure review meeting held by Hon'ble Prime Minister on 17th September, 2016, wherein it was recommended to issue orders for mandating use of LED lights in all lighting projects funded by the Government.

3. Subsequently, in the review meeting held by Hon'ble Prime Minister on 21st July, 2017, it was inter-alia recommended to **replace old bulbs with LED bulbs and that the full replacement should be achieved by 15th August, 2017 in government buildings.**

4. In view of the above, you are requested to take necessary action to ensure that all old bulbs are replaced with LED bulbs by 15th August, 2017 in all the buildings (including compound/street lightings) occupied by your organisation.

5. It will be appreciated if action taken in this regard is reported to this Ministry on priority basis.

With regards,

Yours sincerely,

(Raj Pal)

नि०(सकनीसी)/DIR (T)
नि०(परियोजना)/DIR (Pro.)
नि०(वित्त)/DIR (F)
नि०(प्रचालन)/DIR (O)
नि०(मांस०)/DIR (HR)
नि०(वाणिज्य)/DIR (Com.)
क्ष०का०नि०()/RED ()
का०नि०()/ED ()
प्रमुख(नि०आ०)/Head of CP

Shri Gurdeep Singh,
CMD, NTPC,
Scope Complex,
Lodhi Road, New Delhi.



25

नि०(तकनीकी)/DIR (T)
नि०(परियोजना)/DIR (Pro.)
नि०(वित्त)/DIR (F)
नि०(प्रचालन)/DIR (O)
नि०(सांख्यिकी)/DIR (HR)
नि०(वाणिज्य)/DIR (Com.)
के०का०नि०()/RED ()
का०नि०()/ED ()
प्रमुख(नि०आ०)/Head of CP



No. 9/23/2014-EC
Government of India
Ministry of Power

MOST IMMEDIATE

'F' Wing, IInd Floor, Nirman Bhavan
New Delhi – 110 011
Date: 17.08.2017

To

CMD,
NTPC,
Scope Complex,
Lodhi Road, New Delhi

Subject: Mandatory installation of LED based lighting in all Government Buildings -reg.

Sir,

This has reference to Economic Adviser, Ministry of Power's D.O. letter of even no. dated 2nd August, 2017 (copy enclosed) requesting you to take necessary action to ensure that all old bulbs are replaced with LED bulbs by 15th August, 2017 in all Buildings (including compound/ street lightings) occupied by your organization. The action taken by your organization in this regard may kindly be furnished to the Ministry urgently, latest by 23rd August, 2017, in the following format:-

Name of the PSU/ Organization	State-wise building owned/ occupied	Status of installation of LED lamps/ lights

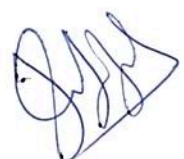
Encl: As above

Yours faithfully,
Meera Shekhar
(Meera Shekhar)
Deputy Secretary to the Govt. of India
[Tele-fax :23063497]

18 AUG 2017

26

**TARIFF FILING FORMS (HYDRO)
FOR DETERMINATION OF TARIFF**

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PART-I

Checklist of Forms and other information/ documents for tariff filing for Hydro Stations

Form No.	Title of Tariff Filing Forms (Hydro)	Tick
FORM-1	Summary Sheet	√
FORM-1(I)	Statement showing claimed capital cost	√
FORM-1(II)	Statement showing Return on Equity	√
FORM-1(IV) *	Computation of Saleable Design Energy	√
FORM-2	Details of COD, Type of Hydro Station, Normative Annual Plant Availability Factor (NAPAF) & Other normative parameters considered for tariff calculation	√
FORM-3	Salient Features of Hydroelectric Project	√
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-5B	Break-up of Capital Cost for New Hydro Power Generating Station	NA
FORM-5C	Break-up of Capital Cost for Plant & Equipment (New Projects)	NA
FORM-5D	Break-up of Construction/Supply/Service packages	NA
FORM-5E(i)	In case there is cost over run	NA
FORM-5E(ii)	In case there is time over run	NA
FORM-5F	In case there is claim of additional RoE	NA
FORM-6	Financial Package upto COD	NA
FORM-7	Details of Project Specific Loans	NA
FORM-8	Details of Allocation of corporate loans to various projects	√
FORM-9A	Statement of Additional Capitalisation after COD	√
FORM-9B	Statement of Additional Capitalisation during fag end of the useful life of Project	NA
FORM-9Bi	Details of Assets De-capitalised during the period	NA
FORM-9C	Statement showing reconciliation of ACE claimed with the capital additions as per	NA
FORM-9D	Statement showing items/assets/works claimed under Exclusions	NA
FORM-9E	Statement of Capital cost	√
FORM-9F	Statement of Capital Woks in Progress	√
FORM-10	Financing of Additional Capitalisation	√
FORM-11	Calculation of Depreciation	√
FORM-12	Statement of Depreciation	√
FORM-13	Calculation of Weighted Average Rate of Interest on Actual Loans	√
FORM-13A	Calculation of Interest on Normative Loan	√
FORM-13B	Calculation of Interest on Working Capital	√
FORM-13C	Other Income as on COD	√
FORM-13D	Incidental Expenditure during Construction	√
FORM-14	Draw Down Schedule for Calculation of IDC & Financing Charges	NA
FORM-14A	Actual cash expenditure	NA
FORM-15A	Design Energy and peaking capability (month wise) - ROR with Pondage / Storage type new stations	√
FORM-15A-I *	Month wise 10-day Design Energy Data	√
FORM-15B	Design Energy and MW Continuous (month wise) - ROR type stations	NA
FORM-16	Liability Flow Statement	√



Summary Sheet

FORM-1
PART - II

Name of the Petitioner : NTPC Ltd.
Name of the Generating Station : Koldam Hydro Electric Power Project
Station COD : 18.07.2015

S.No.	Particulars	Form No.	2019-20	2020-21	2021-22	2022-23	2023-24
1	Depreciation	12	33,777.22	34,105.14	34,490.93	34,640.42	34,709.14
2	Interest on Loan	13A	28,597.69	26,111.64	23,734.06	21,389.43	18,865.89
3	Return on Equity	1 (I,II)	42,010.92	42,386.56	42,826.76	43,006.34	43,092.77
4	Interest on Working Capital	13B	2,292.19	2,299.72	2,306.99	2,308.72	2,301.71
5	O&M Expenses as per regulation 35(2)(a)		16,577.04	17,249.49	17,952.69	18,689.03	19,458.94
	Sub Total		1,23,255.06	1,22,152.54	1,21,311.44	1,20,033.94	1,18,428.45
	Total (Annual Fixed Cost)		1,23,255.06	1,22,152.54	1,21,311.44	1,20,033.94	1,18,428.45

(\$ Lakhs)

Statement of Capacity and Energy Charges

S.No.	Particulars	Unit	2019-20	2020-21	2021-22	2022-23	2023-24
1							
1	Annual Fixed Cost (AFC)	₹ Lakhs	1,23,255.06	1,22,152.54	1,21,311.44	1,20,033.94	1,18,428.45
2	Capacity Charges (50% of AFC)	₹ Lakhs	61,627.53	61,076.27	60,655.72	60,016.97	59,214.23
3	Energy Charges (50% of AFC)	₹ Lakhs	61,627.53	61,076.27	60,655.72	60,016.97	59,214.23
4	Saleable Design Energy as per Form-1 (IV)	MUs	2,631.09	2,631.09	2,631.09	2,631.09	2,631.09
5	Energy Charge Rate	₹/kWh	2.342	2.321	2.305	2.281	2.251

(\$ Lakhs)

(Petitioner)

Summary Sheet

Name of the Petitioner : NTPC Ltd.
Name of the Generating Station : Koldam Hydro Electric Power Project
Station COD : 18.07.2015

Form-1(I) - Statement showing claimed capital cost:(A+B)

						(₹ Lakhs)
S. No.	Particulars	2019-20	2020-21	2021-22	2022-23	2023-24
1	2	3	4	5	6	7
1	Opening Capital Cost (As per Form-5)	699278.40	7,01,578.40	7,12,878.40	7,17,578.40	7,19,078.40
2	Add: Addition during the year/period	2300.00	11300.00	4700.00	1500.00	1350.00
3	Less: Decapitalisation during the year/period	-	-	-	-	-
4	Less: Reversal during the year/period	-	-	-	-	-
5	Add: Increase due to discharges during the year/period	-	-	-	-	-
6	Closing Capital Cost	7,01,578.40	7,12,878.40	7,17,578.40	7,19,078.40	7,20,428.40
7	Average Capital Cost	7,00,428.40	7,07,228.40	7,15,228.40	7,18,328.40	7,19,753.40

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	699278.40	701573.4	710768.4	714988.4	716488.4
2	Add: Addition during the year / period	2295	9195	4220	1500	1350
3	Less: Decapitalisation during the year / period	0	0	0	0	0
4	Less: Reversal during the year / period	0	0	0	0	0
5	Add: Discharges during the year / period	0	0	0	0	0
6	Closing Capital Cost	701573.4	710768.4	714988.4	716488.4	717838.4
7	Average Capital Cost	700425.9	706170.9	712878.4	715738.4	717163.4

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	5	2110	2590	2590
2	Add: Addition during the year / period	5	2105	480	0	0
3	Less: Decapitalisation during the year / period	0	0	0	0	0
4	Less: Reversal during the year / period	0	0	0	0	0
5	Add: Discharges during the year / period	0	0	0	0	0
6	Closing Capital Cost	5	2110	2590	2590	2590
7	Average Capital Cost	2.5	1057.5	2350	2590	2590

Statement showing Return on Equity at Normal Rate

						(₹ Lakhs)
S. No.	Particulars	2019-20	2020-21	2021-22	2022-23	2023-24
1	2	3	4	5	6	7
1	Gross Opening Equity (Normal)	209783.52				
2	Less: Adjustment in Equity	0				
3	Adjustment during the year	0				
4	Net Opening Equity (Normal)	209783.52	210472.02	213230.52	214496.52	214946.52
5	Add: Increase in equity due to addition during the year / period	688.5	2758.5	1266	450	405
6	Less: Decrease due to de-capitalisation during the year / period	0	0	0	0	0
7	Less: Decrease due to reversal during the year / period	0	0	0	0	0
8	Add: Increase due to discharges during the year / period	0	0	0	0	0
9	Net closing Equity (Normal)	210472.02	213230.52	214496.52	214946.52	215351.52
10	Average Equity (Normal)	210127.77	211851.27	213863.52	214721.52	215149.02
11	Rate of ROE	19.993%	19.993%	19.993%	19.993%	19.993%
12	Total ROE	42010.85	42355.42	42757.73	42929.27	43014.74

Statement showing Return on Equity at Weighted Average Rate of Interest on Actual Loan Portfolio

S. No.	Particulars	2019-20	2020-21	2021-22	2022-23	2023-24
1	2	3	4	5	6	7
1	Gross Opening Equity (pertaining to Proviso to Regulation 30(2))	0				
2	Less: Adjustment in Equity	0				
3	Adjustment during the year	0				
4	Net Opening Equity	0	1.5	633	777	777
5	Add: Increase in equity due to addition during the year / period	1.5	631.5	144	0	0
6	Less: Decrease due to de-capitalisation during the year / period	0	0	0	0	0
7	Less: Decrease due to reversal during the year / period	0	0	0	0	0
8	Add: Increase due to discharges during the year / period	0	0	0	0	0
9	Net closing Equity (pertaining to Proviso to Regulation 30(2))	1.5	633	777	777	777
10	Average Equity (pertaining to Proviso to Regulation 30(2))	0.75	317.25	705	777	777
11	Rate of ROE (weighted average rate of interest on actual loan portfolio)	9.8559%	9.8137%	9.7917%	9.9184%	10.0425%
12	Total ROE	0.07	31.13	69.03	77.07	78.03

Computation of Saleable Design Energy

Name of the Petitioner : NTPC Ltd.
Name of the Generating Station : Koldam Hydro Electric Power Project
Station COD : 18.07.2015

(in MUs)

S.No.	Particulars	FY
1	Design Energy	3054.79
2	Less: Auxiliary Consumption (1.0%)	30.55
3	Net Design Energy (1 - 2)	3024.24
4	Less: Free Power to GoHP (12%)	362.91
5	Less: Free Power to GoHP (1%)	30.24
6	Saleable Design Energy (3-4-5-6)	2631.09


(Petitioner)

Details of COD, Type of Hydro Station, Normative Annual Plant Availability Factor (NAPAF) & Other normative parameters considered for tariff calculation

Name of the Petitioner : NTPC Ltd.
 Name of the Generating Station : Koldam Hydro Electric Power Project
 Station COD : 18.07.2015

S.No.	Description	Year Ending March					
		UM	2019-20	2020-21	2021-22	2022-23	2023-24
1	2	3	5	6	7	8	9
1	Installed Capacity	MW	800	800	800	800	800
2	Free Power to home state	%	13% (12% + 1%)				
3	Date of commercial operation						
	Unit - I		18-07-2015				
	Unit - II		18-07-2015				
	Unit - III		18-07-2015				
	Unit - IV		18-07-2015				
4	Type of Station						
	a) Surface / underground		Surface				
	b) Purely ROR / Pondage / Storage		ROR with Pondage				
	c) Peaking / non-peaking		Peaking				
	d) No. of hours of peaking		3 Hrs				
	e) Overload capacity (MW) & period		80 MW, Continuous				
5	Type of excitation						
	a) Rotating exciters on generator						
	b) Static excitation		Static				
6	Design Energy (Annual)	Gwh	3054.79	3054.79	3054.79	3054.79	3054.79
7	Auxiliary Consumption including Transformation losses	%	1.00%	1.00%	1.00%	1.00%	1.00%
8	Normative Plant Availability Factor (NAPAF)	%	90%	90%	90%	90%	90%
9.1	Maintenance Spares for WC	% of O&M	15%	15%	15%	15%	15%
9.2	Receivables for WC	in Months	2	2	2	2	3
9.3	Base Rate of Return on Equity	%	16.50%	16.50%	16.50%	16.50%	16.50%
9.4	Tax Rate	%					
9.5	Effective Tax Rate	%	17.4720%	17.4720%	17.4720%	17.4720%	17.4720%
9.6	SBI Base Rate as on 01.04.2019	%	8.55%	8.55%	8.55%	8.55%	8.55%
	SBI Base Rate + 350 basis points	%	12.05%	12.05%	12.05%	12.05%	12.05%

Note:

1. Month wise 10-day Design Energy enclosed at separate Form-15A-I.

(Petitioner)

Salient Features of Hydroelectric Project

Name of the Petitioner : NTPC Ltd.
 Name of the Generating Station : Koldam Hydro Electric Power Project
 Station COD : 18.07.2015

1. Location	
State/Distt.	Bilaspur, Himachal Pradesh
River	Satluj
2. Diversion Tunnel	
Size, shape	Two Nos, Finished dia 14m, Horse shoe
Length (M)	T-1 = 901m, T-2 = 934m
3. Dam	
Type	Rock and gravel fill with central Clay Core
Maximum dam height (M)	167m
4. Spillway	
Type	Chute Spillway with Ogee Shaped Weir
Crest level of spillway (M)	EL. 625m
5. Reservoir	
Full Reservoir Level (FRL) (M)	EL. 642m
Minimum Draw Down Level (MDDL) (M)	EL. 636m
Live storage (MCM)	88.64 MCM (Initial)
6. De-silting Chamber	
Type	Decanting Chamber
Number and Size	14 bays, 12.50m clear width
Particle size to be removed (mm)	250µm
7. Head Race Tunnel	
Size and type	N.A.
Length (M)	
Design discharge (Cumecs)	
8. Surge Shaft	
Type	N.A.
Diameter (M)	
Height (M)	
9. Penstock/Pressure shafts	
Type	4 Nos. , Circular Steel Lined
Diameter & Length (M)	6.45m
10. Power House	
Installed capacity (No of units x MW)	4 * 200MW
Type of turbine	Vertical Francis
Rated Head (M)	131.2m
Rated Discharge (Cumecs)	186.2 Cumecs per unit at rated head
Head at Full Reservoir Level (M)	140m
Head at Minimum Draw down Level (M)	127m
MW Capability at FRL	800
MW Capability at MDDL	800
11. Tail Race Tunnel/ Channel	
Diameter (M) , shape	Open Channel
Length (M)	100m
Minimum tail water level (M)	503m
12. Switchyard	
Type of Switch gear	AIS
No. of generator bays	4
No. of Bus coupler bays	Koldam being a 1-1/2 breaker scheme, there are 2 tie bays for GT bays and 2 tie bays on line side. One bus reactor bay is also existing in Koldam
No. of line bays	4

Note: Specify limitation on generation during specific time period(s) on account of restrictions on water use due to irrigation, drinking water, industrial, environmental considerations etc.

(Petitioner)

Calculation of O&M Expenses

Name of the Company :		NTPC Limited				
Name of the Power Station :		Koldam HEP				
		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(2)					
1a	Normative	12659.94	13263.39	13895.59	14557.93	15251.84
2	O&M expenses under Reg.35(2) Note read with Corrigendum 15.03.2019					
2a	GST	179.82	179.82	179.82	179.82	179.82
2b	Wage Revision	1770.28	1770.28	1770.28	1770.28	1770.28
2c	Security expenses	1967.00	2036.00	2107.00	2181.00	2257.00
3	Capital Spares**	-	-	-	-	-
	Total O&M Expenses	16577.04	17249.49	17952.69	18689.03	19458.94

** Shall be provided at the time of truing up


Petitioner

DETAILS OF FOREIGN LOANS
(Details only in respect of loans applicable to the project under petition)

Name of the company: **NTPC LIMITED**
 Name of the Power Station: **Koldam**
 Exchange Rate as on: **31-03-2019 USD = Rs 69.77 EUR = Rs 78.84 JPY = 0.6343**

	2% (Amount in Lacs)				6% (Amount in Lacs)				3% (Amount in Lacs)			
	1	2	3	4	1	2	3	4	1	2	3	4
Financial Year (Starting from COD)	Date	Amount (FC)	Ex. Rate	Amount (INR)	Date	Amount (FC)	Ex. Rate	Amount (INR)	Date	Amount (FC)	Ex. Rate	Amount (INR)
5.625 % Euro Bonds 2021												
Currency 1 USD	14-01-2019	102.85	69.77	7,175.84								
At the date of draw	01-04-2019	102.85	69.77	7,175.84								
Loan repayment upto previous period	01-04-2019	102.85	69.77	7,175.84								
Net loan at the Beginning of the period	14-07-2019	2.89	69.77	201.82	14-01-2021	2.89	69.77	201.82	14-01-2021	2.89	69.77	201.82
Schedule repayment date of principal	14-07-2020	2.89	69.77	201.82	14-07-2020	2.89	69.77	201.82	14-07-2020	2.89	69.77	201.82
Schedule repayment date of interest	14-07-2021	0.81	69.77	56.39	14-07-2021	0.81	69.77	56.39	14-07-2021	0.81	69.77	56.39
Withholding tax including surcharge on interest	14-07-2021	0.81	69.77	56.39	14-07-2021	0.81	69.77	56.39	14-07-2021	0.81	69.77	56.39
Schedule repayment date of principal	14-01-2021	2.89	69.77	201.82	14-01-2021	2.89	69.77	201.82	14-01-2021	2.89	69.77	201.82
Schedule repayment date of interest	14-01-2021	0.81	69.77	56.39	14-01-2021	0.81	69.77	56.39	14-01-2021	0.81	69.77	56.39
Withholding tax including surcharge on interest	14-01-2021	0.81	69.77	56.39	14-01-2021	0.81	69.77	56.39	14-01-2021	0.81	69.77	56.39
At the end of Financial year	31-03-2020	102.85	69.77	7,175.84	31-03-2021	102.85	69.77	7,175.84	31-03-2022	102.85	69.77	7,175.84
Financial Year (Starting from COD)												
4.75% Eurobonds 2022												
Currency 1 USD	02-10-2018	321.37	69.77	22,421.64								
At the date of draw	01-04-2018	321.37	69.77	22,421.64								
Loan repayment upto previous period	01-04-2019	321.37	69.77	22,421.64								
Net loan at the Beginning of the period	02-04-2019	7.63	69.77	532.51	02-04-2020	7.63	69.77	532.51	02-04-2021	7.63	69.77	532.51
Schedule repayment date of principal	02-04-2019	7.63	69.77	532.51	02-04-2020	7.63	69.77	532.51	02-04-2021	7.63	69.77	532.51
Schedule repayment date of interest	02-04-2019	0.44	69.77	30.75	02-04-2020	0.44	69.77	30.75	02-04-2021	0.44	69.77	30.75
Withholding tax including surcharge on interest	02-04-2019	0.44	69.77	30.75	02-04-2020	0.44	69.77	30.75	02-04-2021	0.44	69.77	30.75
Schedule repayment date of principal	02-10-2019	7.63	69.77	532.51	02-10-2020	7.63	69.77	532.51	02-10-2021	7.63	69.77	532.51
Schedule repayment date of interest	02-10-2019	0.44	69.77	30.75	02-10-2020	0.44	69.77	30.75	02-10-2021	0.44	69.77	30.75
Withholding tax including surcharge on interest	02-10-2019	0.44	69.77	30.75	02-10-2020	0.44	69.77	30.75	02-10-2021	0.44	69.77	30.75
At the end of Financial year	31-03-2020	321.37	69.77	22,421.64	31-03-2021	321.37	69.77	22,421.64	31-03-2022	321.37	69.77	22,421.64
Financial Year (Starting from COD)												
4.375% Eurobonds 2024												
Currency 1 USD	26-11-2018	173.04	69.77	12,073.13								
At the date of draw	01-04-2019	173.04	69.77	12,073.13								
Loan repayment upto previous period	01-04-2019	173.04	69.77	12,073.13								
Net loan at the Beginning of the period	26-05-2019	3.79	69.77	264.10	26-05-2020	3.79	69.77	264.10	26-05-2021	3.79	69.77	264.10
Schedule repayment date of principal	26-05-2019	3.79	69.77	264.10	26-05-2020	3.79	69.77	264.10	26-05-2021	3.79	69.77	264.10
Schedule repayment date of interest	26-05-2019	0.22	69.77	15.25	26-05-2020	0.22	69.77	15.25	26-05-2021	0.22	69.77	15.25
Withholding tax including surcharge on interest	26-05-2019	0.22	69.77	15.25	26-05-2020	0.22	69.77	15.25	26-05-2021	0.22	69.77	15.25
Schedule repayment date of principal	26-11-2019	3.79	69.77	264.10	26-11-2020	3.79	69.77	264.10	26-11-2021	3.79	69.77	264.10
Schedule repayment date of interest	26-11-2019	0.22	69.77	15.25	26-11-2020	0.22	69.77	15.25	26-11-2021	0.22	69.77	15.25
Withholding tax including surcharge on interest	26-11-2019	0.22	69.77	15.25	26-11-2020	0.22	69.77	15.25	26-11-2021	0.22	69.77	15.25
At the end of Financial year	31-03-2020	173.04	69.77	12,073.13	31-03-2021	173.04	69.77	12,073.13	31-03-2022	173.04	69.77	12,073.13

Abstract of Admitted Capital Cost for the existing Projects


Name of the Petitioner : NTPC Ltd.
Name of the Generating Station : Koldam Hydro Electric Power Project
Station COD : 18.07.2015

(₹ Lakhs)

Capital cost as admitted by CERC	
Last date of order of Commission for the project	05.04.2018
Petition No.	107/GT/2015
Capital cost as on 01.04.2019	6,78,099.40
Amount of un-discharged liabilities included in above (& forming part of admitted capital cost)	18,077.56
Amount of un-discharged liabilities corresponding to above admitted capital cost (but not forming part of admitted capital cost being allowed on cash basis) 01.04.2014	6,60,021.84
Gross Normative Debt	4,74,669.58
Cumulative Repayment	1,14,230.58
Net Normative Debt	3,60,439.00
Normative Equity	2,03,429.82
Hedging Cost, if any, considered for the admitted capital cost	-
Cumulative Depreciation	1,14,230.58
Freehold land	13,323.58


(Petitioner)

Abstract of Claimed Capital Cost for the existing Projects

Name of the Company :	NTPC Limited		
Name of the Power Station :	Koldam HEP		
Reference of Final True-up Tariff Petition	Affidavit dated	27.01.2020	
Capital Cost as on 31.03.2019 as per Hon'ble Commission's Order dated 05.04.2018 in Pet. No. 107/GT 2015	Rs. Lakhs	678099.4	
Adjustment		21179.00	
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)	699278.40	
Amount of un-discharged liabilities included in above (& forming part of admitted capital cost)		0	
Amount of un-discharged liabilities corresponding to above admitted capital cost (but not forming part of admitted capital cost being allowed on cash basis) 01.04.2019		0.00	
Gross Normative Debt as on 01.04.2019		489494.40	
Cumulative Repayment as on 01.04.2019		121825.51	
Net Normative Debt as on 01.04.2019		367668.89	
Normative Equity		209783.32	
Cumulative Depreciation		122290.98	
Freehold land		15198	
 (Petitioner)			

Name of the Company

NTPC Ltd

Name of the Power Station

Koldam HEP

Particulars	1	2	3
Source of Loan	5.625% Fixed Rate Notes due 2021*	4.75% Fixed Rate Notes due 2022#	4.375% Fixed Rate Notes due 2024#
Drawal	-	-	-
Currency	USD	USD	USD
Amount of loan sanctioned	50,00,00,000	50,00,00,000	50,00,00,000
Amount of Gross Loan drawn upto 17.07.2015 / COD	50,00,00,000	50,00,00,000	50,00,00,000
Interest Type	Fixed	Fixed	Fixed
Fixed Interest Rate, if applicable	5.625%	4.750%	4.375%
Base Rate, if floating interest*	-	-	-
Margin, if floating interest rate	-	-	-
Are there any Caps / Floor	NO	NO	NO
If above is Yes, specify Caps / Floor	-	-	-
Moratorium Period	10 Years	10 Years	10 Years
Moratorium effective from	14-Jul-2011	03-Oct-2012	26-Nov-2014
Repayment period	Bullet payment	Bullet payment	Bullet payment
Repayment effective from	14-Jul-2021	03-Oct-2022	26-Nov-2024
Repayment frequency	One time	One time	One time
Repayment installment	50,00,00,000	50,00,00,000	50,00,00,000
Base Exchange Rate (17.07.2015)	64.08	64.08	64.08
Are foreign currency loan hedged	NO	NO	NO
If above is Yes, specify details	-	-	-

Name of the Projects	%	%	%
Talcher-II			
Ramagundam-III			
Rihand-II			
Korba			
Kayamkulam			
VSTPP			
Kahalgaon-II			
Koldam	2.0570%	6.4273%	3.4610%
Sipat-I	1.0060%	1.0900%	
Sipat-II			
VSTPP-III			
FGUTPP III			
Korba III			
Bongaigaon	15.5700%	4.8526%	1.9350%
Tapovan Vishnugad	1.6940%	3.1659%	1.09500%
Rihand-III	17.5690%	9.5929%	
Barh-II	19.3670%	2.7817%	1.45700%
Vindhyachal-IV	19.7400%	10.6301%	
Simhadri-II	2.3370%	3.9948%	
Mouda-I	20.6600%	8.4848%	

Barh-I		11.2669%	
Kudgi-I		5.0420%	18.66800%
Lara-I		15.2868%	24.65400%
Mouda-II		3.6033%	9.69200%
Solapur		5.4994%	13.49500%
Vindhyachal-V			5.35100%
Gadarwara			7.78300%
FGUTPP IV			4.07000%
North Karanpura			0.76900%
Darlipalli			2.43300%
Tanda-II			5.13700%
Kawas R&M		4.4580%	
Gandhar R&M		0.2499%	
Auraiya R&M		2.4361%	
Korba R&M		1.1375%	

Notes:-

- a) The Interest rate is exclusive of withholding tax currently @ 21.84% w.e.f 01.04.2019(Inclusive of surcharge & education cess)*
- b) The Interest rate is exclusive of withholding tax currently @ 5.46% w.e.f 01.04.2019(Inclusive of surcharge & education cess)#

Statement Giving Details of Project Financed through a Combination of loan

Form 8

TRANCHE NO

BP NO 5050000361

T00001

D00010

Unsecured Loan From Bank Of India-II

Source of Loan :	Bank Of India-II	
Currency :	INR	
Amount of Loan :	20000000000	
Total Drawn amount :	10000000000	
Date of Drawal:	0	
Interest Type :	Floating	
Fixed Interest Rate :		
Rate of Interest as on 01.04.2019	8.30%	
Margin, If Floating Interest :	NIL	
Are there any Caps/ Floor :	Y/N	
Frequency of Intt. Payment	Monthly	
If Above is yes, specify Caps/ Floor :		
Moratorium Period :	5 Years	
Moratorium effective from :	31.12.2014	
Repayment Period (Inc Moratorium) :	15 Years	
Repayment Frequency :	10 Yearly	
Repayment Type :	AVG	
First Repayment Date :	28.06.2019	
Base Exchange Rate :	RUPEE	
Date of Base Exchange Rate :		
Project Code	Project Name	Amount
	KOLDAM	1,00,00,00,000
Total Allocated Amount		1,00,00,00,000



Form 8

TRANCHE NO

T00001

BP NO 5050000511

D00002

Unsecured Loan From Jammu & Kashmir Bank-IV		
Source of Loan :	Jammu & Kashmir Bank-IV	
Currency :	INR	
Amount of Loan :	7,00,00,00,000	
Total Drawn amount :	5,00,00,00,000	
Date of Drawl:	17.04.2017	
Interest Type :	Floating	
Fixed Interest Rate :		
Rate of Interest as on 01.04.2019	8.30%	
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 :	Nil	
Moratorium effective from :	17.04.2017	
Repayment Period (Inc Moratorium) :	12 Years	
Repayment Frequency :	9 Yearly Instalment	
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
	KUDGI	10,00,00,000.00
	MOUDA-II	95,00,00,000.00
	BARH - II	30,00,00,000.00
	VINDHYACHAL-V	22,00,00,000.00
	KOLDAM	38,00,00,000.00
	RIHAND-III	5,00,00,000.00
Total Allocated Amount		2,00,00,00,000.00

42

Form 8

TRANCHE NO

BP NO 5050000711

T00001

D00001

Unsecured Loan From Punjab National Bank-III		
Source of Loan :	Punjab National Bank-III	
Currency :	INR	
Amount of Loan :	20,00,00,00,000	
Total Drawn amount :	20,00,00,00,000	
Date of Drawl	01.01.2019	
Interest Type :	Floating	
Fixed Interest Rate :		
Rate of Interest as on 01.04.2019	8.60%	
Margin, If Floating Interest :	0.00%	
Are there any Caps/ Floor :	Y/N	
Frequency of Intt. Payment	MONTHLY	
If Above is yes, specify Caps/ Floor :		
Moratorium Period :	3 Years	
Moratorium effective from :	01.01.2019	
Repayment Period (Inc Moratorium) :	12 Years	
Repayment Frequency :	9 Yearly Instalment	
Repayment Type :	AVG	
First Repayment Date :	01.02.2022	
Base Exchange Rate :	RUPEE	
Date of Base Exchange Rate :	N.A.	
Project Code	Project Name	Amount
	UNCHA HAR STPP IV	65,00,00,000.00
	TANDA-II	85,00,00,000.00
	NCTPP-II	36,43,00,000.00
	DADRI GAS R&M	56,00,00,000.00
	KORBA-III	15,00,00,000.00
	SIPAT-II	17,14,00,000.00
	FARAKKA-III	8,57,00,000.00
	KAHALGAON-II	17,14,00,000.00
	BARH-I	1,08,57,00,000.00
	BARH-II	8,00,00,000.00
	NORTH KARANPURA	1,09,00,00,000.00
	KOLDAM	6,43,00,000.00
	TAPOVAN VISHNUGAD	28,57,00,000.00
	PAKRI BARWADIH	1,42,00,00,000.00
	CHATTI BARIATU	10,00,00,000.00
	BONGAIGAON	36,43,00,000.00
	KUDGI	60,00,00,000.00
	LARA	1,23,00,00,000.00
	GADARWARA	2,27,72,00,000.00
	DARLIPALLI	2,73,00,00,000.00
	KHARGONE	50,00,00,000.00
	ANANTPUR SOLAR	17,00,00,000.00
	TALAIPALI COAL MINE	5,00,00,00,000.00
Total Allocated Amount		20,00,00,00,000.00

43

Unsecured Loan From SBI-IX		
Source of Loan :	SBI-IX	
Currency :	INR	
Amount of Loan :	30,00,00,00,000	
Total Drawn amount :	2,00,00,00,000	
Date of Drawal:	0	
Interest Type :	Floating	
Fixed Interest Rate :	-----	
Rate of Interest as on 01.04.2019	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 :	04.05.2017	
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
	BARH-I	54,00,00,000
	TAPOVAN VISHNUGARH	16,00,00,000
	BONGAIGAON	20,00,00,000
	LARA	22,00,00,000
	GADARWARA	12,00,00,000
	TELANGANA	16,00,00,000
	KOLDAM	10,00,00,000
	PAKRI BARWADIH CMB	50,00,00,000
Total Allocated Amount		2,00,00,00,000.00

Form 8

TRANCHE NO

BP NO 5050000531

T00001

D0005

Unsecured Loan From SBI-IX		
Source of Loan :	SBI-IX	
Currency :	INR	
Amount of Loan :	30,00,00,00,000	
Total Drawn amount :	2,15,00,00,000	
Date of Drawal:	13.11.2017	
Interest Type :	Floating	
Fixed Interest Rate :	-----	
Rate of Interest as on 01.04.2019	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 :	13.11.2017	
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
	KUDGI	1,00,00,00,000
	LARA	20,00,00,000
	MOUDA-II	33,00,00,000
	TAPOVAN VISHNUGAD	57,00,00,000
	KOLDAM	5,00,00,000
Total Allocated Amount		2,15,00,00,000.00

Form 8

TRANCHE NO

BP NO 5050000261

T00001

D00003

Unsecured Loan From SBI-VII		
Source of Loan :	SBI-VII	
Currency :	INR	
Amount of Loan :	1,00,00,00,00,000	
Total Drawn amount :	5,00,00,00,00,000	
Date of drawl	0	
Interest Type :	Floating	
Fixed Interest Rate :	-----	
Rate of Interest as on 01.04.2019	8.25%	
Margin, If Floating Interest :	D00003 - 0.75%	
Are there any Caps/ Floor :	Y/N	
Frequency of Intt. Payment	Monthly	
If Above is yes, specify Caps/ Floor :		
Moratorium Period :	4 Years	
Moratorium effective from :	21.04.2012	
Repayment Period (Inc Moratorium) :	12 Years	
Repayment Frequency :	16 Half Yearly Instalments	
Repayment Type :	AVG	
First Repayment Date :	30.09.2015	
Base Exchange Rate :	RUPEE	
Date of Base Exchange Rate :	N.A.	
Project Code	Project Name	Amount
	KOLDAM	71,00,00,000.00
	TAPOVAN	52,00,00,000.00
	BONGAIGAON	46,00,00,000.00
	BARH-I	18,00,00,000.00
	BARH-II	54,00,00,000.00
	RIHAND-III	5,00,00,000.00
	KUDGI-I	1,45,00,00,000.00
	SOLAPUR	63,00,00,000.00
	MOUDA-II	37,00,00,000.00
	TANDA-R&M	9,00,00,000.00
Total Allocated Amount		5,00,00,00,000.00

Form 8

TRANCHE NO

BP NO 5050000261

T00001

D00006

Unsecured Loan From SBI-VII		
Source of Loan :	SBI-VII	
Currency :	INR	
Amount of Loan :	1,00,00,00,00,000	
Total Drawn amount :	5,00,00,00,00,000	
Date of Drawl	0	
Interest Type :	Floating	
Fixed Interest Rate :	-----	
Rate of Interest as on 01.04.2019	8.25%	
Margin, If Floating Interest :	D00006=0.495%	
Are there any Caps/ Floor :	Y/N	
Frequency of Intt. Payment	Monthly	
If Above is yes, specify Caps/ Floor :		
Moratorium Period :	4 Years	
Moratorium effective from :	28.09.2012	
Repayment Period (Inc Moratorium) :	12 Years	
Repayment Frequency :	16 Half Yearly Instalments	
Repayment Type :	AVG	
First Repayment Date :	30.09.2015	
Base Exchange Rate :	RUPEE	
Date of Base Exchange Rate :	N.A.	
Project Code	Project Name	Amount
	KOLDAM	45,00,00,000
	SIMHADRI-II	50,00,00,000
	VINDHYACHAL-IV	30,00,00,000
	SIPAT-I	75,00,00,000
	BARH-I	15,00,00,000
	MOUDA-I	20,00,00,000
	RIHAND III	20,00,00,000
	KUDGI-I	40,00,00,000
	MOUDA-II	50,00,00,000
	FARAKKA-III	15,00,00,000
	GANDHAR-R&M	40,00,00,000
	BONGAIGAON	1,00,00,00,000
Total Allocated Amount		5,00,00,00,000.00



Form 8

TRANCHE NO

BP NO 5050000261

T00001

D00007

Unsecured Loan From SBI-VII		
Source of Loan :	SBI-VII	
Currency :	INR	
Amount of Loan :	1,00,00,00,00,000	
Total Drawn amount :	5,00,00,00,00,000	
Date of Drawl	0	
Interest Type :	Floating	
Fixed Interest Rate :	-----	
Rate of Interest as on 01.04.2019	8.25%	
Margin, If Floating Interest :	D00007= 0.495%	
Are there any Caps/ Floor :	Y/N	
Frequency of Intt. Payment	Monthly	
If Above is yes, specify Caps/ Floor :		
Moratorium Period :	4 Years	
Moratorium effective from :	12.11.2012	
Repayment Period (Inc Moratorium) :	12 Years	
Repayment Frequency :	16 Half Yearly Instalments	
Repayment Type :	AVG	
First Repayment Date :	30.09.2015	
Base Exchange Rate :	RUPEE	
Date of Base Exchange Rate :	N.A.	
Project Code	Project Name	Amount
	KOLDAM	35,00,00,000
	SOLAPUR	25,00,00,000
	VINDHYACHAL-IV	20,00,00,000
	TAPOVAN	20,00,00,000
	BARH-I	80,00,00,000
	MOUDA-I	15,00,00,000
	RIHAND-III	45,00,00,000
	KUDGI-I	20,00,00,000
	DADRI SOLAR PV	5,00,00,000
	A&N SOLAR PV	5,00,00,000
	SINGARULI 8 MW	5,00,00,000
	BONGAIGAON	40,00,00,000
	BARH-II	80,00,00,000
	SINGRAULI-R&M	25,00,00,000
	TANDA - R&M	15,00,00,000
	KAWAS-R&M	35,00,00,000
	GANDHAR -R&M	20,00,00,000
	TSTPP-R&M	10,00,00,000
Total Allocated Amount		5,00,00,00,000.00

48

Form 8

TRANCHE NO

BP NO 5050000261

T00001

D00008

Unsecured Loan From SBI-VII		
Source of Loan :	SBI-VII	
Currency :	INR	
Amount of Loan :	1,00,00,00,00,000	
Total Drawn amount :	5,00,00,00,00,000	
Date of Drawl	0	
Interest Type :	Floating	
Fixed Interest Rate :	-----	
Rate of Interest as on 01.04.2019	8.25%	
Margin, If Floating Interest :	D00008= 0.495%	
Are there any Caps/ Floor :	Y/N	
Frequency of Intt. Payment	Monthly	
If Above is yes, specify Caps/ Floor :		
Moratorium Period :	4 Years	
Moratorium effective from :	11.03.2013	
Repayment Period (Inc Moratorium) :	12 Years	
Repayment Frequency :	16 Half Yearly Instalments	
Repayment Type :	AVG	
First Repayment Date :	30.09.2015	
Base Exchange Rate :	RUPEE	
Date of Base Exchange Rate :	N.A.	
Project Code	Project Name	Amount
	KOLDAM	35,00,00,000
	SOLAPUR	30,00,00,000
	VINDHYACHAL-V	38,00,00,000
	TAPOVAN	18,00,00,000
	BARH-I	57,00,00,000
	MOUDA-II	26,00,00,000
	RIHAND III	32,00,00,000
	KUDGI-I	38,00,00,000
	DADRI SOLAR PV	19,00,00,000
	A&N SOLAR PV	20,00,00,000
	LARA-I	20,00,00,000
	BONGAIGAON	34,00,00,000
	FARAKKA-III	27,00,00,000
	SIMHADRI-II	20,00,00,000
	SINGRAULI-R&M	10,00,00,000
	TTPS-R&M	15,00,00,000
	KAWAS-R&M	15,00,00,000
	GANDHAR-R&M	8,00,00,000
	TSTPP-R&M	10,00,00,000
	RAMAGUNDAM-R&M	8,00,00,000
	BADARPUR-R&M	20,00,00,000
Total Allocated Amount		5,00,00,00,00,000

49

Form 8

TRANCHE NO

BP NO 5050000261

T00001

D00010

Unsecured Loan From SBI-VII		
Source of Loan :	SBI-VII	
Currency :	INR	
Amount of Loan :	1,00,00,00,00,000	
Total Drawn amount :	2,00,00,00,00,000	
Date of Drawl	0	
Interest Type :	Floating	
Fixed Interest Rate :	-----	
Rate of Interest as on 01.04.2019	8.25%	
Margin, If Floating Interest :	D00010= 0.25%	
Are there any Caps/ Floor :	Y/N	
Frequency of Intt. Payment	Monthly	
If Above is yes, specify Caps/ Floor :		
Moratorium Period :	4 Years	
Moratorium effective from :	01.05.2013	
Repayment Period (Inc Moratorium) :	12 Years	
Repayment Frequency :	16 Half Yearly Instalments	
Repayment Type :	AVG	
First Repayment Date :	30.09.2015	
Base Exchange Rate :	RUPEE	
Date of Base Exchange Rate :	N.A.	
Project Code	Project Name	Amount
	KOLDAM	50,00,00,000
	BONGAIGAON	60,00,00,000
	SIMHADRI-II	90,00,00,000
Total Allocated Amount		2,00,00,00,000.00

Form 8

TRANCHE NO

BP NO 5050000261

T00001

D00013

Unsecured Loan From SBI-VII		
Source of Loan :	SBI-VII	
Currency :	INR	
Amount of Loan :	1,00,00,00,00,000	
Total Drawn amount :	2,00,00,00,00,000	
Date of Drawl	0	
Interest Type :	Floating	
Fixed Interest Rate :	-----	
Rate of Interest as on 01.04.2019	8.25%	
Margin, If Floating Interest :	D00013= 0.25%	
Are there any Caps/ Floor :	Y/N	
Frequency of Intt. Payment	Monthly	
If Above is yes, specify Caps/ Floor :		
Moratorium Period :	4 Years	
Moratorium effective from :	02.09.2013	
Repayment Period (Inc Moratorium) :	12 Years	
Repayment Frequency :	16 Half Yearly Instalments	
Repayment Type :	AVG	
First Repayment Date :	30.09.2015	
Base Exchange Rate :	RUPEE	
Date of Base Exchange Rate :	N.A.	
Project Code	Project Name	Amount
	KOLDAM	1,00,00,00,000
	TAPOVAN VISHNUGAD	1,00,00,00,000
Total Allocated Amount		2,00,00,00,000.00

Form 8

TRANCHE NO

BP NO 5050000261

T00001

D00015

Unsecured Loan From SBI-VII		
Source of Loan :	SBI-VII	
Currency :	INR	
Amount of Loan :	1,00,00,00,00,000	
Total Drawn amount :	2,00,00,00,00,000	
Date of Drawal:	11.01.2014	
Interest Type :	Floating	
Fixed Interest Rate :	-----	
Rate of Interest as on 01.04.2019	8.25%	
Margin, If Floating Interest :	D00015=0.25%	
Are there any Caps/ Floor :	Y/N	
Frequency of Intt. Payment	Monthly	
If Above is yes, specify Caps/ Floor :		
Moratorium Period :	4 Years	
Moratorium effective from :	11.01.2014	
Repayment Period (Inc Moratorium) :	12 Years	
Repayment Frequency :	16 Half Yearly Instalments	
Repayment Type :	AVG	
First Repayment Date :	30.09.2015	
Base Exchange Rate :	RUPEE	
Date of Base Exchange Rate :	N.A.	
Project Code	Project Name	Amount
	KOLDAM	40,00,00,000
	TAPOVAN VISHNUGAD	25,00,00,000
	MOUDA-I	70,00,00,000
	GANDHAR-R&M	65,00,00,000
Total Allocated Amount		2,00,00,00,000.00

Form 8

TRANCHE NO

BP NO 5050000261

T00001

D00017

Unsecured Loan From SBI-VII		
Source of Loan :	SBI-VII	
Currency :	INR	
Amount of Loan :	1,00,00,00,00,000	
Total Drawn amount :	2,00,00,00,000	
Date of Drawal:	17.02.2014	
Interest Type :	Floating	
Fixed Interest Rate :	-----	
Rate of Interest as on 01.04.2019	8.25%	
Margin, If Floating Interest :	D000017=0.25%	
Are there any Caps/ Floor :	Y/N	
Frequency of Intt. Payment	Monthly	
If Above is yes, specify Caps/ Floor :		
Moratorium Period :	4 Years	
Moratorium effective from :	17.02.2014	
Repayment Period (Inc Moratorium) :	12 Years	
Repayment Frequency :	16 Half Yearly Instalments	
Repayment Type :	AVG	
First Repayment Date :	30.09.2015	
Base Exchange Rate :	RUPEE	
Date of Base Exchange Rate :	N.A.	
Project Code	Project Name	Amount
	KOLDAM	1,00,00,00,000
	TAPOVAN VISHNUGAD	25,00,00,000
	MOUDA-I	25,00,00,000
	VINDHYACHAL-V	50,00,00,000
Total Allocated Amount		2,00,00,00,000.00

Form 8

TRANCHE NO

BP NO 5050000261

T00001

D00020

Unsecured Loan From SBI-VII		
Source of Loan :	SBI-VII	
Currency :	INR	
Amount of Loan :	1,00,00,00,00,000	
Total Drawn amount :	2,00,00,00,00,000	
Date of Drawal:	01.05.2014	
Interest Type :	Floating	
Fixed Interest Rate :	-----	
Rate of Interest as on 01.04.2019	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 :	4 Years	
Moratorium effective from :	01.05.2014	
Repayment Period (Inc Moratorium) :	12 Years	
Repayment Frequency :	16 Half Yearly Instalments	
Repayment Type :	AVG	
First Repayment Date :	30.09.2015	
Base Exchange Rate :	RUPEE	
Date of Base Exchange Rate :	N.A.	
Project Code	Project Name	Amount
	KOLDAM	1,00,00,00,000
	BARH-I	1,00,00,00,000
Total Allocated Amount		2,00,00,00,000.00

Form 8

TRANCHE NO

BP NO 5050000442

T00001

D0004

Unsecured Loan From SBI-VIII		
Source of Loan :	SBI-VIII	
Currency :	INR	
Amount of Loan :	1,00,00,00,00,000	
Total Drawn amount :	10,00,00,00,000	
Interest Type :	Floating	
Fixed Interest Rate :	-----	
Rate of Interest as on 01.04.2019	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 :	6 Years	
Moratorium effective from :	04.08.2015	
Repayment Period (Inc Moratorium) :	15 Years	
Repayment Frequency :	9 Yearly Installments	
Repayment Type :	AVG	
First Repayment Date :	31.01.2022	
Base Exchange Rate :	RUPEE	
Date of Base Exchange Rate :	N.A.	
Project Code	Project Name	Amount
	BARH-II	23,00,00,000
	BARH-I	45,00,00,000
	BONGAIGAON	61,00,00,000
	DARLIPALLI	68,00,00,000
	GADARWARA	1,25,00,00,000
	KOLDAM	29,00,00,000
	KUDGI-I	1,13,00,00,000
	LARA-I	1,65,00,00,000
	MOUDA-II	84,00,00,000
	NORTH KARANPURA	24,00,00,000
	RAMMAM	9,00,00,000
	SOLAPUR	1,11,00,00,000
	TANDA-II	7,00,00,000
	TAPOVAN VISHNUGARH	38,00,00,000
	UNCHAHAAR-IV	41,00,00,000
	VINDHYACHAL-V	57,00,00,000
Total Allocated Amount		10,00,00,00,000.00

55

Form 8

TRANCHE NO

BP NO 5050000442

T00001

D0007

Unsecured Loan From SBI-VIII		
Source of Loan :	SBI-VIII	
Currency :	INR	
Amount of Loan :	1,00,00,00,00,000	
Total Drawn amount :	3,50,00,00,00,000	
Interest Type :	Floating	
Fixed Interest Rate :	-----	
Rate of Interest as on 01.04.2019	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 :	6 Years	
Moratorium effective from :	15.10.2015	
Repayment Period (Inc Moratorium) :	15 Years	
Repayment Frequency :	9 Yearly Installments	
Repayment Type :	AVG	
First Repayment Date :	31.01.2022	
Base Exchange Rate :	RUPEE	
Date of Base Exchange Rate :	N.A.	
Project Code	Project Name	Amount
	BARH-I	12,00,00,000
	TAPOVAN VISHNUGAD	59,00,00,000
	BONGAIGAON	11,00,00,000
	SOLAPUR	43,00,00,000
	LARA	90,00,00,000
	GADARWARA	29,00,00,000
	NORTH KARANPURA	5,00,00,000
	DARLIPALLI	27,00,00,000
	KUDGI-I	19,00,00,000
	KOLDAM	10,00,00,000
	VINDHYACHAL-V	45,00,00,000
Total Allocated Amount		3,50,00,00,000.00

Form 8

TRANCHE NO

BP NO 5050000442

T00001

D 00021

Unsecured Loan From SBI-VIII		
Source of Loan :	SBI-VIII	
Currency :	INR	
Amount of Loan :	1,00,00,00,00,000	
Total Drawn amount :	2,50,00,00,00,000	
Date of Drawl	0	
Interest Type :	Floating	
Fixed Interest Rate :	-----	
Rate of Interest as on 01.04.2019	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 :	6 Years	
Moratorium effective from :	21.09.2016	
Repayment Period (Inc Moratorium) :	15 Years	
Repayment Frequency :	9 Yearly Installments	
Repayment Type :	AVG	
First Repayment Date :	31.01.2022	
Base Exchange Rate :	RUPEE	
Date of Base Exchange Rate :	N.A.	
Project Code	Project Name	Amount
	BONGAIGAON	40,00,00,000
	MOUDA-II	15,00,00,000
	KUDGI	84,00,00,000
	BARH-II	8,00,00,000
	KOLDAM	18,00,00,000
	RIHAND-III	57,00,00,000
	VINDHYACHAL-IV	21,00,00,000
	MOUDA-I	7,00,00,000
Total Allocated Amount		2,50,00,00,000

57

Form 8

TRANCHE NO

T00001

BP NO 5050000442

D00021

Unsecured Loan From SBI-VIII		
Source of Loan :	SBI-VIII	
Currency :	INR	
Amount of Loan :	1,00,00,00,00,000	
Total Drawn amount :	11,50,00,00,00,000	
Date of Drawl	0	
Interest Type :	Floating	
Fixed Interest Rate :	-----	
Rate of Interest as on 01.04.2019	8.25%	
Loan Refinancing Spread	0.46%	
Margin, If Floating Interest :	0.00%	
Are there any Caps/ Floor :	Y/N	
Frequency of Intt. Payment	Monthly	
If Above is yes, specify Caps/ Floor :		
Moratorium Period :	6 Years	
Moratorium effective from :	14.02.2017	
Repayment Period (Inc Moratorium) :	15 Years	
Repayment Frequency :	9 Yearly Installments	
Repayment Type :	AVG	
First Repayment Date :	31.01.2022	
Base Exchange Rate :	RUPEE	
Date of Base Exchange Rate :	N.A.	
Project Code	Project Name	Amount
	BARH-I	3,00,00,00,000
	BONGAIGAON	34,28,57,142
	FARAKKA III	14,28,57,141
	GADARWARA	2,50,00,00,000
	KOLDAM	92,85,71,427
	KORBA-III	2,85,71,428
	KUDGI	1,00,00,00,000
	MOUDA-I	40,71,42,856
	NCTPP-II	15,71,42,855
	NORTH KARANPURA	1,00,00,00,000
	RIHAND-III	32,14,28,570
	SIMHADRI-II	53,28,57,141
	SIPAT-I	21,42,85,711
	SIPAT-II	5,71,42,856
	TAPOVAN VISHNUGAD	50,00,00,000
	VINDHYACHAL IV	32,42,85,714
	PAKRI BARWADIH	4,28,57,159
Total Allocated Amount		11,50,00,00,000

58



Form 8

TRANCHE NO

BP NO 5050000551

T00001

D00002

Unsecured Loan From SBI-X		
Source of Loan :	SBI- X	
Currency :	INR	
Amount of Loan :	40,00,00,00,000	
Total Drawn amount :	2,00,00,00,000	
Date of Drawal:	04.10.2017	
Interest Type :	Floating	
Fixed Interest Rate :	-----	
Rate of Interest as on 01.04.2019	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 :	6 Years	
Moratorium effective from :	04.10.2017	
Repayment Period (Inc Moratorium) :	15 Years	
Repayment Frequency :	9 Yearly Installments	
Repayment Type :	AVG	
First Repayment Date :	01.10.2024	
Base Exchange Rate :	RUPEE	
Date of Base Exchange Rate :	N.A.	
Project Code	Project Name	Amount
	SOLAPUR	20,00,00,000
	LARA	20,00,00,000
	DARLIPALLI	25,00,00,000
	TANDA-II	35,00,00,000
	KHARGONE	30,00,00,000
	TELANGANA	15,00,00,000
	BARH - II	15,00,00,000
	KOLDAM	20,00,00,000
	PAKRI BARWADIH CMB	20,00,00,000
Total Allocated Amount		2,00,00,00,000.00

Form 8

TRANCHE NO

BP NO 5050000009 & 231

T00001

D00003

Unsecured Loan From HDFC Bank Ltd.-II		
Source of Loan :	HDFC Bank Ltd.-II	
Currency :	INR	
Amount of Loan :	10,00,00,00,000	
Total Drawn amount :	50,00,00,000	
Date of drawl	0	
Interest Type :	Floating	
Rate of Interest as on 01.04.2019	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 :	26.10.2010	
Repayment Period (Inc Moratorium) :	10 Years	
Repayment Frequency :	14 Half Yearly Instalment	
Repayment Type :	AVG	
First Repayment Date :	26.04.2014	
Base Exchange Rate :	RUPEE	
Date of Base Exchange Rate :	N.A.	
Project Code	Project Name	Amount
	RIHAND-III	20,00,00,000
	KOLDAM	15,00,00,000
	KORBA-III	15,00,00,000
Total Allocated Amount		50,00,00,000



60

Form 8

TRANCHE NO

T00001

D00006

BP NO 5050000009 & 231

Unsecured Loan From HDFC Bank Ltd.-II		
Source of Loan :	HDFC Bank Ltd.-II	
Currency :	INR	
Amount of Loan :	10,00,00,00,000	
Total Drawn amount :	50,00,00,00,000	
Date of drawl	28.03.2013	
Interest Type :	Floating	
Rate of Interest as on 01.04.2019	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 :	26.10.2010	
Repayment Period (Inc Moratorium) :	10 Years	
Repayment Frequency :	14 Half Yearly Instalment	
Repayment Type :	AVG	
First Repayment Date :	26.04.2014	
Base Exchange Rate :	RUPEE	
Date of Base Exchange Rate :	N.A.	
Project Code	Project Name	Amount
	RIHAND-III	30,00,00,000
	KOLDAM	20,00,00,000
Total Allocated Amount		50,00,00,000

Form 8

TRANCHE NO

BP NO 5070000021

T00001

D00002

Unsecured Loan From HUDCO LTD.		
Source of Loan :	HUDCO LTD-I	
Currency :	INR	
Amount of Loan :	20,00,00,00,000	
Total Drawn amount :	1,50,00,00,000	
Date of drawl	03.12.2010	
Interest Type :	Floating	
Rate of Interest as on 01.04.2019	8.30%	
Margin, If Floating Interest :	Nil	
Are there any Caps/ Floor :	Y/N	
Frequency of Intt. Payment	Monthly	
If Above is yes, specify Caps/ Floor :		
Moratorium Period :	3 Years	
Moratorium effective from :	02.12.2010	
Repayment Period (Inc Moratorium) :	14 Years	
Repayment Frequency :	22 Half Yearly Instalments	
Repayment Type :	AVG	
First Repayment Date :	31.05.2014	
Base Exchange Rate :	RUPEE	
Date of Base Exchange Rate :	N.A.	
Project Code	Project Name	Amount
	KOLDAM	10,00,00,000
	SIMHADRI-II	50,00,00,000
	VINDHYACHAL IV	45,00,00,000
	RIHAND-III	45,00,00,000
Total Allocated Amount		1,50,00,00,000



Form 8

TRANCHE NO

T00001

D00003

BP NO 5050000153

Unsecured Loan From Indian Bank-II		
Source of Loan :	Indian Bank - II	
Currency :	INR	
Amount of Loan :	3,00,00,00,000	
Total Drawn amount :	1,50,00,00,000	
Date of Drawl	0	
Interest Type :	Floating	
Rate of Interest as on 01.04.2019	8.25%	
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 :	30.06.2009	
Repayment Period (Inc Moratorium) :	10 Years	
Repayment Frequency :	14 Half Yearly Instalment	
Repayment Type :	AVG	
First Repayment Date :	29.12.2012	
Base Exchange Rate :	RUPEE	
Date of Base Exchange Rate :	N.A.	
Project Code	Project Name	Amount
	MAUDA-I	30,00,00,000.00
	VINDHYACHAL IV	20,00,00,000.00
	BONGAIGAON	40,00,00,000.00
	KOLDAM	40,00,00,000.00
	RIHAND-III	20,00,00,000.00
Total Allocated Amount		1,50,00,00,000.00

Form 8

TRANCHE NO
T00001DRAWAL NO.
D00001

BP NO 5050000241

Unsecured Loan From LIC-III		
Source of Loan :	LIC-III	
Currency :	INR	
Amount of Loan :	40,00,00,00,000	
Total Drawn amount :	5,00,00,00,000	
Date of Drawal	0	
Interest Type :	Fixed	
Fixed Interest Rate :	6.571%	
Rate of Interest as on 01.04.2019	6.571%	
Upfront fees	0.20% excluding service tax	
Are there any Caps/ Floor :	Y/N	
Frequency of Intt. Payment	Half Yearly	
If Above is yes, specify Caps/ Floor :		
Moratorium Period :	4 Years	
Moratorium effective from :	31.12.2003	
Repayment Period (Inc Moratorium) :	14 Years	
Repayment Frequency :	20 Half Yearly	
Repayment Type :	AVG	
First Repayment Date :	31-Dec-07	
Base Exchange Rate :	RUPEE	
Date of Base Exchange Rate :	N.A.	
Project Code	Project Name	Amount
	TALCHER-II	90,00,00,000.00
	RAMAGUNDAM-III	50,00,00,000.00
	KOLDAM	1,30,00,00,000.00
	VINDHYACHAL-III	80,00,00,000.00
	KAHALGAON-II	85,00,00,000.00
	SIPAT-II	35,00,00,000.00
	SIPAT-I	10,00,00,000.00
	UNCHA HAR-III	15,00,00,000.00
	RGCCPP	5,00,00,000.00
Total Allocated Amount		5,00,00,00,000.00



64

Form 8

TRANCHE NO

BP NO 5070000011

T00001

D00001

Unsecured Loan From PFC-V		
Source of Loan :	PFC-V	
Currency :	INR	
Amount of Loan :	1,00,00,00,00,000	
Total Drawn amount :	2,00,00,00,00,000	
Date of Drawl	0	
Interest Type :	Floating	
Rate of Interest as on 01.04.2019	9.94%	
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 :	4 Years	
Moratorium effective from :	26.12.2008	
Repayment Period (Inc Moratorium) :	16 Years	
Repayment Frequency :	48 Quarterly Instalments	
Repayment Type :	FIFO	
First Repayment Date :	15.07.2013	
Base Exchange Rate :	RUPEE	
Date of Base Exchange Rate :	N.A.	
Project Code	Project Name	Amount
	KOLDAM	30,00,00,000.00
	SIMHADRI-II	75,00,00,000.00
	KAHALGAON-II	40,00,00,000.00
	KORBA-III	30,00,00,000.00
	FARAKKA-III	25,00,00,000.00
Total Allocated Amount		2,00,00,00,000.00

Form 8

TRANCHE NO

BP NO 5070000011

T00001

D00002

Unsecured Loan From PFC-V		
Source of Loan :	PFC-V	
Currency :	INR	
Amount of Loan :	1,00,00,00,00,000	
Total Drawn amount :	3,00,00,00,00,000	
Date of Drawl	0	
Interest Type :	Floating	
Rate of Interest as on 01.04.2019	9.97%	
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 :	4 Years	
Moratorium effective from :	26.12.2008	
Repayment Period (Inc Moratorium) :	16 Years	
Repayment Frequency :	48 Quarterly Instalments	
Repayment Type :	FIFO	
First Repayment Date :	15.07.2013	
Base Exchange Rate :	RUPEE	
Date of Base Exchange Rate :	N.A.	
Project Code	Project Name	Amount
	KOLDAM	50,00,00,000.00
	LOHARI NAG-PALA	10,00,00,000.00
	KORBA-III	30,00,00,000.00
	FARAKKA-III	50,00,00,000.00
	TAPOVAN VISHNUGAD	20,00,00,000.00
	SIMHADRI-II	20,00,00,000.00
	MAUDA	1,20,00,00,000.00
Total Allocated Amount		3,00,00,00,000.00

66

Form 8

TRANCHE NO

BP NO 5070000011

T00001

D00003

Unsecured Loan From PFC-V		
Source of Loan :	PFC-V	
Currency :	INR	
Amount of Loan :	1,00,00,00,00,000	
Total Drawn amount :	3,00,00,00,00,000	
Date of Drawl	0	
Interest Type :	Floating	
Rate of Interest as on 01.04.2019	9.70%	
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 :	4 Years	
Moratorium effective from :	26.12.2008	
Repayment Period (Inc Moratorium) :	16 Years	
Repayment Frequency :	48 Quarterly Instalments	
Repayment Type :	FIFO	
First Repayment Date :	15.07.2013	
Base Exchange Rate :	RUPEE	
Date of Base Exchange Rate :	N.A.	
Project Code	Project Name	Amount
	KOLDAM	70,00,00,000.00
	NCTPP-II	95,00,00,000.00
	KORBA-III	50,00,00,000.00
	VINDHYACHAL-IV	25,00,00,000.00
	SIMHADRI-II	60,00,00,000.00
Total Allocated Amount		3,00,00,00,000.00

Unsecured Loan From PFC-V		
Source of Loan :	PFC-V	
Currency :	INR	
Amount of Loan :	1,00,00,00,00,000	
Total Drawn amount :	1,50,00,00,00,000	
Date of Drawl	0	
Interest Type :	Floating	
Rate of Interest as on 01.04.2019	9.39%	
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 :	4 Years	
Moratorium effective from :	26.12.2008	
Repayment Period (Inc Moratorium) :	16 Years	
Repayment Frequency :	48 Quarterly Instalments	
Repayment Type :	FIFO	
First Repayment Date :	15.07.2013	
Base Exchange Rate :	RUPEE	
Date of Base Exchange Rate :	N.A.	
Project Code	Project Name	Amount
	KOLDAM	50,00,00,000.00
	NCTPP-II	50,00,00,000.00
	TAPOVAN VISHNUGAD	50,00,00,000.00
Total Allocated Amount		1,50,00,00,000.00

Form 8

TRANCHE NO

BP NO 5070000011

T00001

D00011

Unsecured Loan From PFC-V		
Source of Loan :	PFC-V	
Currency :	INR	
Amount of Loan :	1,00,00,00,00,000	
Total Drawn amount :	2,00,00,00,00,000	
Date of Drawl	0	
Interest Type :	Floating	
Rate of Interest as on 01.04.2019	8.66%	
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 :	4 Years	
Moratorium effective from :	26.12.2008	
Repayment Period (Inc Moratorium) :	16 Years	
Repayment Frequency :	48 Quarterly Instalments	
Repayment Type :	FIFO	
First Repayment Date :	15.07.2013	
Base Exchange Rate :	RUPEE	
Date of Base Exchange Rate :	N.A.	
Project Code	Project Name	Amount
	KOLDAM	25,00,00,000.00
	KORBA-III	50,00,00,000.00
	NCTPP-II	25,00,00,000.00
	FARAKKA-III	50,00,00,000.00
	VINDHYACHAL-IV	50,00,00,000.00
Total Allocated Amount		2,00,00,00,000.00

Unsecured Loan From PFC-V		
Source of Loan :	PFC-V	
Currency :	INR	
Amount of Loan :	1,00,00,00,00,000	
Total Drawn amount :	2,00,00,00,00,000	
Date of Drawl	0	
Interest Type :	Floating	
Rate of Interest as on 01.04.2019	8.67%	
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 :	4 Years	
Moratorium effective from :	26.12.2008	
Repayment Period (Inc Moratorium) :	16 Years	
Repayment Frequency :	48 Quarterly Instalments	
Repayment Type :	FIFO	
First Repayment Date :	15.07.2013	
Base Exchange Rate :	RUPEE	
Date of Base Exchange Rate :	N.A.	
Project Code	Project Name	Amount
	VINDHYACHAL-IV	45,00,00,000.00
	KORBA-III	15,00,00,000.00
	SIMHADRI-II	10,00,00,000.00
	BONGAIGAON	25,00,00,000.00
	KOLDAM	20,00,00,000.00
	MAUDA	25,00,00,000.00
	RIHAND-III	35,00,00,000.00
	TAPOVAN VISHNUGAD	25,00,00,000.00
Total Allocated Amount		2,00,00,00,000.00

Form 8

TRANCHE NO

BP NO 5070000011

T00001

D00019

Unsecured Loan From PFC-V		
Source of Loan :	PFC-V	
Currency :	INR	
Amount of Loan :	1,00,00,00,00,000	
Total Drawn amount :	3,50,00,00,000	
Date of Drawl	0	
Interest Type :	Floating	
Rate of Interest as on 01.04.2019	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 :	4 Years	
Moratorium effective from :	26.12.2008	
Repayment Period (Inc Moratorium) :	16 Years	
Repayment Frequency :	48 Quarterly Instalments	
Repayment Type :	FIFO	
First Repayment Date :	15.07.2013	
Base Exchange Rate :	RUPEE	
Date of Base Exchange Rate :	N.A.	
Project Code	Project Name	Amount
	KORBA-III	25,00,00,000.00
	KOLDAM	1,00,00,00,000.00
	NCTPP-DADRI-II	25,00,00,000.00
	SIMHADRI-II	50,00,00,000.00
	BONGAIGAON	50,00,00,000.00
	RIHAND-III	50,00,00,000.00
	SIPAT-I	50,00,00,000.00
Total Allocated Amount		3,50,00,00,000.00

Form 8

TRANCHE NO

BP NO 5070000011

T00001

D00021

Unsecured Loan From PFC-V		
Source of Loan :	PFC-V	
Currency :	INR	
Amount of Loan :	1,00,00,00,00,000	
Total Drawn amount :	1,00,00,00,00,000	
Date of Drawl	0	
Interest Type :	Floating	
Rate of Interest as on 01.04.2019	7.70%	
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 :	4 Years	
Moratorium effective from :	26.12.2008	
Repayment Period (Inc Moratorium) :	16 Years	
Repayment Frequency :	48 Quarterly Instalments	
Repayment Type :	FIFO	
First Repayment Date :	15.07.2013	
Base Exchange Rate :	RUPEE	
Date of Base Exchange Rate :	N.A.	
Project Code	Project Name	Amount
	KOLDAM	20,00,00,000.00
	SIMHADRI-II	40,00,00,000.00
	BONGAIGAON	20,00,00,000.00
	VINDHYANCHAL-IV	20,00,00,000.00
Total Allocated Amount		1,00,00,00,000.00

Form 8

TRANCHE NO

BP NO 5070000011

T00001

D00022

Unsecured Loan From PFC-V		
Source of Loan :	PFC-V	
Currency :	INR	
Amount of Loan :	1,00,00,00,00,000	
Total Drawn amount :	4,00,00,00,00,000	
Date of Drawl	0	
Interest Type :	Fixed with Reset after every 3 Years	
Rate of Interest as on 01.04.2019	7.62%	
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 :	4 Years	
Moratorium effective from :	26.12.2008	
Repayment Period (Inc Moratorium) :	16 Years	
Repayment Frequency :	48 Quarterly Instalments	
Repayment Type :	FIFO	
First Repayment Date :	15.07.2013	
Base Exchange Rate :	RUPEE	
Date of Base Exchange Rate :	N.A.	
Project Code	Project Name	Amount
	KAHALGAON II	20,00,00,000.00
	KOLDAM	10,00,00,000.00
	FARAKKA III	25,00,00,000.00
	NCTPP-DADRI-II	10,00,00,000.00
	SIMHADRI-II	10,00,00,000.00
	BONGAIGAON	20,00,00,000.00
	BARH-II	55,00,00,000.00
	MAUDA	40,00,00,000.00
	VINDHYACHAL IV	20,00,00,000.00
	RIHAND-III	35,00,00,000.00
	TALCHER-II	30,00,00,000.00
	RIHAND-II	15,00,00,000.00
	VINDHYACHAL III	50,00,00,000.00
	UNCHAHAR-III	20,00,00,000.00
	PAKRI BARWADIH	40,00,00,000.00
Total Allocated Amount		4,00,00,00,000.00

Unsecured Loan From PFC-V		
Source of Loan :	PFC-V	
Currency :	INR	
Amount of Loan :	1,00,00,00,00,000	
Total Drawn amount :	3,50,00,00,00,000	
Date of Drawl	0	
Interest Type :	Floating	
Rate of Interest as on 01.04.2019	7.43%	
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 :	4 Years	
Moratorium effective from :	26.12.2008	
Repayment Period (Inc Moratorium) :	16 Years	
Repayment Frequency :	48 Quarterly Instalments	
Repayment Type :	FIFO	
First Repayment Date :	15.07.2013	
Base Exchange Rate :	RUPEE	
Date of Base Exchange Rate :	N.A.	
Project Code	Project Name	Amount
	BARH-II	25,00,00,000.00
	MAUDA-I	25,00,00,000.00
	SIMHADRI-II	10,00,00,000.00
	VINDHYACHAL IV	25,00,00,000.00
	RIHAND-III	50,00,00,000.00
	BARH-I	1,00,00,00,000.00
	KOLDAM	10,00,00,000.00
	KORBA-III	25,00,00,000.00
	FARAKKA III	15,00,00,000.00
	NCTPP-DADRI-II	10,00,00,000.00
	TAPOVAN VISHNUGARH	15,00,00,000.00
	BONGAIGAON	40,00,00,000.00
Total Allocated Amount		3,50,00,00,000.00

Form 8

TRANCHE NO

BP NO 5070000011

T00001

D00025

Unsecured Loan From PFC-V		
Source of Loan :	PFC-V	
Currency :	INR	
Amount of Loan :	1,00,00,00,00,000	
Total Drawn amount :	1,50,00,00,00,000	
Date of Drawl	0	
Interest Type :	Floating	
Rate of Interest as on 01.04.2019	7.67%	
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 :	4 Years	
Moratorium effective from :	26.12.2008	
Repayment Period (Inc Moratorium) :	16 Years	
Repayment Frequency :	48 Quarterly Instalments	
Repayment Type :	FIFO	
First Repayment Date :	15.07.2013	
Base Exchange Rate :	RUPEE	
Date of Base Exchange Rate :	N.A.	
Project Code	Project Name	Amount
	KOLDAM	25,00,00,000.00
	KORBA-III	25,00,00,000.00
	NCTPP-DADRI-II	40,00,00,000.00
	BONGAIGAON	60,00,00,000.00
Total Allocated Amount		1,50,00,00,000.00

Unsecured Loan From PFC-V		
Source of Loan :	PFC-V	
Currency :	INR	
Amount of Loan :	1,00,00,00,00,000	
Total Drawn amount :	3,50,00,00,00,000	
Date of Drawl	0	
Interest Type :	Floating	
Rate of Interest as on 01.04.2019	7.75%	
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 :	4 Years	
Moratorium effective from :	26.12.2008	
Repayment Period (Inc Moratorium) :	16 Years	
Repayment Frequency :	48 Quarterly Instalments	
Repayment Type :	FIFO	
First Repayment Date :	15.07.2013	
Base Exchange Rate :	RUPEE	
Date of Base Exchange Rate :	N.A.	
Project Code	Project Name	Amount
	NCTPP-DADRI-II	1,80,00,00,000.00
	VINDHYACHAL IV	90,00,00,000.00
	KOLDAM	45,00,00,000.00
	TTPS R&M	35,00,00,000.00
Total Allocated Amount		3,50,00,00,000.00

Form 8

TRANCHE NO

T00001

D00031

BP NO 5070000011

Unsecured Loan From PFC-V		
Source of Loan :	PFC-V	
Currency :	INR	
Amount of Loan :	1,00,00,00,00,000	
Total Drawn amount :	4,00,00,00,00,000	
Date of Drawl	0	
Interest Type :	Floating	
Rate of Interest as on 01.04.2019	7.44%	
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 :	4 Years	
Moratorium effective from :	26.12.2008	
Repayment Period (Inc Moratorium) :	16 Years	
Repayment Frequency :	48 Quarterly Instalments	
Repayment Type :	FIFO	
First Repayment Date :	15.07.2013	
Base Exchange Rate :	RUPEE	
Date of Base Exchange Rate :	N.A.	
Project Code	Project Name	Amount
	KOLDAM	58,00,00,000.00
	TAPOVAN VISHNUGAD	15,00,00,000.00
	FARAKKA-III	48,00,00,000.00
	SIPAT-I	1,20,00,00,000.00
	NCTPP-II	37,00,00,000.00
	BARH-II	40,00,00,000.00
	KORBA-III	62,00,00,000.00
	KAHALGAON-II	15,00,00,000.00
	SIPAT-II	5,00,00,000.00
Total Allocated Amount		4,00,00,00,000.00

Form 8

TRANCHE NO

BP NO 5070000011

T00001

D00032

Unsecured Loan From PFC-V		
Source of Loan :	PFC-V	
Currency :	INR	
Amount of Loan :	1,00,00,00,00,000	
Total Drawn amount :	5,00,00,00,00,000	
Date of Drawl	0	
Interest Type :	Floating	
Rate of Interest as on 01.04.2019	7.68%	
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 :	4 Years	
Moratorium effective from :	26.12.2008	
Repayment Period (Inc Moratorium) :	16 Years	
Repayment Frequency :	48 Quarterly Instalments	
Repayment Type :	FIFO	
First Repayment Date :	15.07.2013	
Base Exchange Rate :	RUPEE	
Date of Base Exchange Rate :	N.A.	
Project Code	Project Name	Amount
	SIMHADRI-II	82,00,00,000.00
	VINDHYACHAL-IV	50,00,00,000.00
	PAKRI BARWADIH	73,00,00,000.00
	FARAKKA-III	42,00,00,000.00
	NCTPP-II	37,00,00,000.00
	TALCHER STPP-II	34,00,00,000.00
	TAPOVAN VISHNUGAD	48,00,00,000.00
	KOLDAM	97,00,00,000.00
	BADARPUR R&M	30,00,00,000.00
	RIHAND R&M	7,00,00,000.00
Total Allocated Amount		5,00,00,00,000.00

78

Form 8

TRANCHE NO

BP NO 5070000011

T00001

D00034

Unsecured Loan From PFC-V		
Source of Loan :	PFC-V	
Currency :	INR	
Amount of Loan :	1,00,00,00,00,000	
Total Drawn amount :	3,00,00,00,000	
Date of Drawl	0	
Interest Type :	Floating	
Rate of Interest as on 01.04.2019	8.17%	
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 :	4 Years	
Moratorium effective from :	26.12.2008	
Repayment Period (Inc Moratorium) :	16 Years	
Repayment Frequency :	48 Quarterly Instalments	
Repayment Type :	FIFO	
First Repayment Date :	15.07.2013	
Base Exchange Rate :	RUPEE	
Date of Base Exchange Rate :	N.A.	
Project Code	Project Name	Amount
	KOLDAM	33,00,00,000.00
	FARAKKA-III	23,00,00,000.00
	TAPOVAN VISHNUGAD	45,00,00,000.00
	MOUDA-I	1,03,00,00,000.00
	RIHAND-III	96,00,00,000.00
Total Allocated Amount		3,00,00,00,000.00

Form 8

TRANCHE NO

BP NO 5050000321

T00001

Unsecured Loan From Union Bank of India-II		
Source of Loan :	Union Bank of India - II	
Currency :	INR	
Amount of Loan :	20,00,00,00,000	
Total Drawn amount :	5,60,00,00,000	
Interest Type :	Floating	
Fixed Interest Rate :		
Rate of Interest as on 01.04.2019	8.50%	
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 :	4 Years	
Moratorium effective from :	01.08.2012	
Repayment Period (Inc Moratorium) :	14 Years	
Repayment Frequency :	20 Half Yearly	
Repayment Type :	AVG	
First Repayment Date :	01.02.2017	
Base Exchange Rate :	RUPEE	
Date of Base Exchange Rate :	N.A.	
Project Code	Project Name	Amount
	MOUDA-II	1,00,00,00,000
	LARA-I	10,00,00,000
	BARH-II	1,00,00,00,000
	BARH-II	50,00,00,000
	KUDGI-I	1,00,00,00,000
	KOLDAM	1,00,00,00,000
	MOUDA-II	1,00,00,00,000
Total Allocated Amount		5,60,00,00,000.00

80

Form 8

TRANCHE NO

BP NO 5050000321

T00001

Unsecured Loan From Union Bank of India-II		
Source of Loan :	Union Bank of India - II	
Currency :	INR	
Amount of Loan :	20,00,00,00,000	
Total Drawn amount :	1,00,00,00,000	
Date of Drawal :	21.01.2014	
Interest Type :	Floating	
Rate of Interest as on 01.04.2019	8.50%	
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 :	4 Years	
Moratorium effective from :	01.08.2012	
Repayment Period (Inc Moratorium) :	14 Years	
Repayment Frequency :	20 Half Yearly	
Repayment Type :	AVG	
First Repayment Date :	01.02.2017	
Base Exchange Rate :	RUPEE	
Date of Base Exchange Rate :	N.A.	
Project Code	Project Name	Amount
	KOLDAM	1,00,00,00,000
Total Allocated Amount		1,00,00,00,000.00

Form 8

TRANCHE NO

T00001

D00001

BP NO 5050000721

Unsecured Loan From Corporation Bank-IV		
Source of Loan :	Corporation Bank-IV	
Currency :	INR	
Amount of Loan :	20,00,00,00,000	
Total Drawn amount :	20,00,00,00,000	
Date of Drawal:	11.01.2019	
Interest Type :	Floating	
Fixed Interest Rate :	8.20%	
Rate of Interest as on 01.04.2019	8.25%	
Loan Refinancing Spread	0.13%	
Margin, If Floating Interest :	-	
Are there any Caps/ Floor :	Y/N	
Frequency of Intt. Payment	MONTHLY	
If Above is yes, specify Caps/ Floor :		
Moratorium Period :	3 Years	
Moratorium effective from :	11.01.2019	
Repayment Period (Inc Moratorium) :	12 Years	
Repayment Frequency :	9 Yearly Instalments	
Repayment Type :	AVG	
First Repayment Date :	11-Jan-23	
Base Exchange Rate :	RUPEE	
Date of Base Exchange Rate :	N.A.	
Project Code	Project Name	Amount
	SINGRAULI 8MW HYDRO	8,75,00,000
	FARIDABAD SOLAR PV	8,75,00,000
	SINGRAULI SOLAR	8,75,00,000
	FARAKKA III	11,42,85,716
	RAJGARH SOLAR	13,12,50,000
	NCTPP-II	14,28,57,139
	GANDHAR R&M	16,60,71,436
	SIMHADRI-II	23,21,42,855
	SIPAT-I	23,43,75,000
	MOUDA-II	50,00,00,000
	VINDHYACHAL-V	1,00,00,00,000
	SIPAT-II	1,01,07,14,287
	MOUDA-I	1,05,44,64,284
	RIHAND-III	1,22,85,71,426
	VINDHYACHAL-IV	2,45,00,00,000
	KOLDAM	2,71,51,78,577
	BARH-II	6,75,75,89,280
	KUDGI	2,00,00,00,000
Total Allocated Amount		20,00,00,00,000

82

Form 8

TRANCHE NO

BP NO 50500000451

T00001

Unsecured Loan From ICICI-IV		
Source of Loan :	ICICI-IV	
Currency :	INR	
Amount of Loan :	20,00,00,00,000	
Total Drawn amount :	2,25,00,00,000	
Date of Drawal	04.08.2017	
Interest Type :	Floating	
Fixed Interest Rate :		
Rate of Interest as on 01.04.2019	8.60%	
Loan Refinancing Spread	0.6033%	
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 :	04.08.2017	
Repayment Period (Inc Moratorium) :	15 years	
Repayment Frequency :	9 Yearly Instalment	
Repayment Type :	AVG	
First Repayment Date :	16.02.2023	
Base Exchange Rate :	RUPEE	
Date of Base Exchange Rate :	N.A.	
Project Code	Project Name	Amount
	KOLDAM	6,43,00,000.00
	FARAKKA-III	8,57,00,000.00
	NCTPP-II	36,43,00,000.00
	TAPOVAN VISHNUGAD	8,57,00,000.00
	BONGAIGAON	36,43,00,000.00
	SIPAT-II	17,14,00,000.00
	KAHALGAON-II	17,14,00,000.00
	BARH-I	68,57,00,000.00
	KORBA-III	15,00,00,000.00
	GADARWARA	10,72,00,000.00
Total Allocated Amount		2,25,00,00,000.00

83

Form 8- Domestic Bonds- Details of Allocation of corporate loans to various projects

Particulars	XXI 7.7125%	XXII 8.1771%	XXIII 8.3796%	XXIV 8.6077%	XXX 7.89%	XXXI 8.78%	XXXII 8.8493%
Source of Loan1	BONDS	BONDS	BONDS	BONDS	BONDS	BONDS	BONDS
Currency2	INR	INR	INR	INR	INR	INR	INR
Amount of Loan sanctioned	100000	50000	50000	50000	70000	50000	10500
Interest Type6	Fixed	Fixed	Fixed	Fixed	Fixed	Fixed	Fixed
Fixed Interest Rate, if applicable	7.7125%	8.1771%	8.3796%	8.6077%	7.890%	8.78%	8.8493%
Annual surveillance fees	0.030%	0.030%	0.030%	0.030%	0.030%	0.030%	0.030%
Loan Refinancing Spread							
Total interest rate incl. sur. Fees	7.743%	8.207%	8.410%	8.638%	7.920%	8.810%	8.879%
Base Rate, if Floating Interest7	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Margin, if Floating Interest8	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Are there any Caps/Floor9	No	No	No	No	No	No	No
If above is yes, specify caps/floor							
Moratorium Period10	4.5 yrs *	4.5 yrs *	4.5 yrs *	4.5 yrs *	10 yrs	10 yrs *	6 yrs *
Moratorium effective from #	02.02.06	02.01.07	05.02.07	09.03.2007	05.05.09	09.03.2010	25.03.2010
Repayment Period11	9.5 yrs	9.5 yrs	9.5 yrs	9.5 yrs	Bullet Repayment	Bullet Repayment	15 yrs
Repayment effective from	02.08.10	02.07.11	05.08.11	09.09.11	05.05.19	09.03.2020	25.03.2016
Repayment Frequency12	Half Yearly	Half Yearly	Half Yearly	Half Yearly	Bullet Repayment	Bullet Repayment	Yearly
Repayment Instalment13,14	5000	2500	2500	2500	70000	50000	700
Base Exchange Rate16							
Door to Door Maturity	14 yrs	14 yrs	14 yrs	14 yrs	10 yrs	10 yrs	20 yrs

Name of the Projects	XXI 7.7125%	XXII 8.1771%	XXIII 8.3796%	XXIV 8.6077%	XXX 7.89%	XXXI 8.78%	XXXII 8.8493%
Ananipour Solar	-	-	-	-	-	-	-
ANTA	-	-	-	-	-	-	-
AURAIYA	-	-	-	-	-	-	-
Auraiya R & M	-	-	-	-	-	-	-
Badarpur R&M	-	-	-	-	-	-	-
BARH I	-	-	-	-	-	-	-
BARH II	3,000	5,000	8,200	10,000	-	7,500	2,500
Bhadla Solar	-	-	-	-	12,500	-	-
BONGAIGON	-	-	-	-	-	-	-
Chatti Bariatu CMB	-	-	-	-	6,000	-	-

84

Particulars	XXI 7.7125%	XXII 8.1771%	XXIII 8.3796%	XXIV 8.6077%	XXX 7.89%	XXXI 8.78%	XXXII 8.8493%
Dadri Gas R & M	-	-	-	-	-	-	-
DADRI GAS	-	-	-	-	-	-	-
DARLIPALLI	-	-	-	-	-	-	-
Dulanga CMB	-	-	-	-	-	-	-
FARAKKA II	-	-	-	-	-	-	-
FARAKKA III	-	700	1,400	-	5,000	-	1,000
Farakka R & M	-	-	-	-	-	-	-
FARIDABAD	-	-	-	-	-	-	-
GADARWARA	-	-	-	-	-	-	-
GANDHAR	-	-	-	-	-	-	-
Gandhar R & M	-	-	-	-	-	-	-
Kahalgaoon II Phase I	18,500	-	1,800	6,000	-	-	-
Kahalgaoon II Phase II	-	-	-	-	-	-	-
Khstpp R & M	-	-	-	-	-	-	-
KAWAS	-	-	-	-	-	-	-
Kawas R & M	-	-	-	-	-	-	-
Khargone	-	-	-	-	-	-	-
KOLDAM	2,000	10,500	1,700	8,000	3,000	10,000	7,000
KORBA III	-	1,000	1,200	-	5,000	2,500	-
Korba R & M	-	-	-	-	-	-	-
Kudgi	-	-	-	-	-	-	-
LARA I	-	-	-	-	-	-	-
Lata Tapovan	-	-	-	-	-	-	-
LOHARINAGPALA	-	-	-	-	-	-	-
Mauda	-	-	-	-	3,500	-	-
Mauda II	-	-	-	-	-	-	-
Mandsaur Solar	-	-	-	-	-	-	-
NCTPP	-	-	-	-	-	-	-
NCTPP II	-	-	-	-	-	-	-
NCTPP R & M	-	500	-	4,000	20,000	-	-
NORTH KARANPURA	-	-	-	-	-	-	-
Pakri Barwadih CMB	-	-	-	-	-	-	-
Ramagundam I & II R & M	-	-	-	-	-	-	-
RAMAGUNDAM III	4,000	-	-	-	-	-	-
Rammam	-	-	-	-	-	-	-
RIHAND II	25,000	-	-	-	-	-	-
RIHAND III	-	-	-	-	-	-	-
Rihand R & M	-	-	-	-	-	-	-
SIMHADRI	-	-	-	-	-	-	-
Simhadari II	-	-	-	-	-	-	-
Simhadari R & M	-	-	-	20,000	15,000	-	-
Vidhyachal Hydro**	-	-	-	-	-	-	-
Singrauli R & M	-	-	-	-	-	-	-

55

Particulars	XXI 7.7125%	XXII 8.1771%	XXIII 8.3796%	XXIV 8.6077%	XXX 7.89%	XXXI 8.78%	XXXII 8.8493%
Vindychal Solar**	-	-	-	-	-	-	-
SIPAT I	2,500	23,600	20,900	-	-	30,000	-
SIPAT II	-	4,200	6,800	-	-	-	-
SOLAPUR	-	-	-	-	-	-	-
TALCHER I	-	-	-	-	-	-	-
TALCHER II	28,000	-	-	-	-	-	-
Tanda II	-	-	-	-	-	-	-
Tanda R & M	-	-	-	-	-	-	-
Tapovan Vishnugad	-	2,000	100	-	-	-	-
Telangana	-	-	-	-	-	-	-
TSTPP R & M	-	-	-	-	-	-	-
TTPS R & M	-	-	-	-	-	-	-
Unchahar R & M	-	-	-	-	-	-	-
Unchahar IV	-	-	-	-	-	-	-
UNCHAHAR II	-	-	-	-	-	-	-
Unchahar III	4,500	1,000	200	-	-	-	-
VINDHYACHAL II	-	-	-	-	-	-	-
Vindhyachal III	12,500	1,500	7,700	2,000	-	-	-
Vindhyachal IV	-	-	-	-	-	-	-
Vindhyachal V	-	-	-	-	-	-	-
Vindhyachal R & M	-	-	-	-	-	-	-
DADRI SOLAR	-	-	-	-	-	-	-
A&N SOLAR	-	-	-	-	-	-	-
RAMAGUNDAM SOLAR	-	-	-	-	-	-	-
TALCHER SOLAR	-	-	-	-	-	-	-
UNCHAHAR SOLAR	-	-	-	-	-	-	-
FARIDABAD SOLAR	-	-	-	-	-	-	-
RAJGARH SOLAR	-	-	-	-	-	-	-
Talaipali Coal Mine	-	-	-	-	-	-	-
CC	-	-	-	-	-	-	-
TOTAL	1,00,000	50,000	50,000	50,000	70,000	50,000	10,500

86

Form 8- Domestic Bonds- Details of Allocation of corporate loa

Particulars	XXI 7.7125%	XXII 8.1771%	XXIII 8.3796%	XXIV 8.6077%	XXXIV 8.71%	XXXVII 8.93%	XXXVIII 9.17%
Source of Loan1	BONDS	BONDS	BONDS	BONDS	BONDS	BONDS	BONDS
Currency2	INR	INR	INR	INR	INR	INR	INR
Amount of Loan sanctioned	100000	50000	50000	50000	15000	30000	7500
Interest Type6	Fixed	Fixed	Fixed	Fixed	Fixed	Fixed	Fixed
Fixed Interest Rate, if applicable	7.7125%	8.1771%	8.3796%	8.6077%	8.71%	8.93%	9.17%
Annual surveillance fees	0.030%	0.030%	0.030%	0.030%	0.030%	0.030%	0.030%
Loan Refinancing Spread							
Total interest rate incl.sur. Fees	7.743%	8.207%	8.410%	8.638%	8.740%	8.960%	9.200%
Base Rate, if Floating Interest7	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Margin, if Floating Interest8	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Are there any Caps/Floor9	No	No	No	No	No	No	No
If above is yes, specify caps/floor							
Moratorium Period10	4.5 yrs *	4.5 yrs *	4.5 yrs *	4.5 yrs *	6 yrs	10 yrs *	6 yrs
Moratorium effective from #	02.02.06	02.01.07	05.02.07	09.03.2007	10.06.2010	19.01.2011	22.03.11
Repayment Period11	9.5 yrs	9.5 yrs	9.5 yrs	9.5 yrs	14 yrs	Bullet Repayment	14 yrs
Repayment effective from	02.08.10	02.07.11	05.08.11	09.09.11	10.06.16	19.01.2021	22.03.2017
Repayment Frequency12	Half Yearly	Half Yearly	Half Yearly	Half Yearly	Yearly	Bullet Repayment	Yearly
Repayment Instalment13, 14	5000	2500	2500	2500	1000	30000	500
Base Exchange Rate16							
Door to Door Maturity	14 yrs	14 yrs	14 yrs	14 yrs	20 yrs	10 yrs	20 yrs

Name of the Projects							
Anantpur Solar	-	-	-	-	-	-	-
ANTA	-	-	-	-	-	-	-
AURAIYA	-	-	-	-	-	-	-
Auraiya R & M	-	-	-	-	-	-	-
Badarpur R&M	-	-	-	-	-	-	-
BARH I	3,000	5,000	8,200	10,000	5,300	9,000	700
BARH II	-	-	-	-	-	-	-
Bhadla Solar	-	-	-	-	-	-	-
BONGAIGAON	-	-	-	-	-	-	-
Chatti Bariatu CMB	-	-	-	-	-	-	-

87



Particulars	XXI 7.7125%	XXII 8.1774%	XXIII 8.3796%	XXIV 8.6077%	XXXIV 8.71%	XXXVII 8.93%	XXXVIII 9.17%
Dadri Gas R & M	-	-	-	-	-	-	-
DADRI GAS	-	-	-	-	-	-	-
DARLIPALLI	-	-	-	-	-	-	-
Dulanga CMB	-	-	-	-	-	-	-
FARAKKA II	-	-	-	-	-	-	-
FARAKKA III	-	700	1,400	-	1,200	3,000	100
Farakka R & M	-	-	-	-	-	-	-
FARIDABAD	-	-	-	-	-	-	-
GADARWARA	-	-	-	-	-	-	-
GANDHAR	-	-	-	-	-	-	-
Gandhar R & M	-	-	-	-	-	-	-
Kahalgaoon II Phase I	18,500	-	1,800	6,000	-	-	-
Kahalgaoon II Phase II	-	-	-	-	-	-	-
Khstpp R & M	-	-	-	-	-	-	-
KAWAS	-	-	-	-	-	-	-
Kawas R & M	-	-	-	-	-	-	-
Khargone	-	-	-	-	-	-	-
KOLDAM	2,000	10,500	1,700	8,000	3,900	6,000	700
KORBA III	-	1,000	1,200	-	-	-	1,500
Korba R & M	-	-	-	-	-	-	-
Kudgi	-	-	-	-	-	-	-
LARA I	-	-	-	-	-	-	-
Lata Tapovan	-	-	-	-	-	-	-
LOHARINAGPALA	-	-	-	-	-	-	-
Mauda	-	-	-	-	-	-	-
Mauda II	-	-	-	-	-	-	-
Mandsaur Solar	-	-	-	-	-	-	-
NCTPP	-	-	-	-	-	-	-
NCTPP II	-	500	-	-	-	-	-
NCTPP R & M	-	-	-	4,000	500	-	3,300
NORTH KARANPURA	-	-	-	-	-	-	-
Pakri Barwadih CMB	-	-	-	-	-	-	-
Ramagundam I & II R & M	-	-	-	-	-	-	-
RAMAGUNDAM III	4,000	-	-	-	-	-	-
Rammam	-	-	-	-	-	-	-
RIHAND II	25,000	-	-	-	-	-	-
RIHAND III	-	-	-	-	-	-	-
Rihand R & M	-	-	-	-	-	-	600
SIMHADRI	-	-	-	-	-	-	-
Simhadari II	-	-	-	20,000	-	-	-
Simhadari R & M	-	-	-	-	-	-	-
Vidhyachal Hydro**	-	-	-	-	-	-	-
Singrauli R & M	-	-	-	-	-	-	-

88

Particulars	XXI 7.7125%	XXII 8.1771%	XXIII 8.3796%	XXIV 8.6077%	XXXIV 8.71%	XXXVII 8.93%	XXXVIII 9.17%
Vindychal Solar**	-	-	-	-	-	-	-
SIPAT I	2,500	23,600	20,900	-	3,700	12,000	300
SIPAT II	-	4,200	6,800	-	-	-	-
SOLAPUR	-	-	-	-	-	-	-
TALCHER I	-	-	-	-	-	-	-
TALCHER II	28,000	-	-	-	-	-	-
Tanda II	-	-	-	-	-	-	-
Tanda R & M	-	-	-	-	-	-	-
Tapovan Vishnugad	-	2,000	100	-	400	-	300
Telangana	-	-	-	-	-	-	-
TSTPP R & M	-	-	-	-	-	-	-
TTPS R & M	-	-	-	-	-	-	-
Uncharhar R & M	-	-	-	-	-	-	-
Uncharhar IV	-	-	-	-	-	-	-
UNCHARHAR II	-	-	-	-	-	-	-
Uncharhar III	4,500	1,000	200	-	-	-	-
VINDHYACHAL II	-	-	-	-	-	-	-
Vindhyachal III	12,500	1,500	7,700	2,000	-	-	-
Vindhyachal IV	-	-	-	-	-	-	-
Vindhyachal V	-	-	-	-	-	-	-
Vindhyachal R & M	-	-	-	-	-	-	-
DADRI SOLAR	-	-	-	-	-	-	-
A&N SOLAR	-	-	-	-	-	-	-
RAMAGUNDAM SOLAR	-	-	-	-	-	-	-
TALCHER SOLAR	-	-	-	-	-	-	-
UNCHARHAR SOLAR	-	-	-	-	-	-	-
FARIDABAD SOLAR	-	-	-	-	-	-	-
RAJGARH SOLAR	-	-	-	-	-	-	-
Talaipali Coal Mine	-	-	-	-	-	-	-
CC	-	-	-	-	-	-	-
TOTAL	1,00,000	50,000	50,000	50,000	15,000	30,000	7,500

89

Form 8- Domestic Bonds- Details of Allocation of corporate loa

Particulars	XXI 7.7125%	XXII 8.1771%	XXIII 8.3796%	XXIV 8.6077%	XXXIX 9.3896%	XLI 9.6713%	XLII 9%
Source of Loan1	BONDS	BONDS	BONDS	BONDS	BONDS	BONDS	BONDS
Currency2	INR	INR	INR	INR	INR	INR	INR
Amount of Loan sanctioned	100000	50000	50000	50000	10500	7500	50000
Interest Type6	Fixed	Fixed	Fixed	Fixed	Fixed	Fixed	Fixed
Fixed Interest Rate, if applicable	7.7125%	8.1771%	8.3796%	8.6077%	9.3896%	9.671%	9.00%
Annual surveillance fees	0.030%	0.030%	0.030%	0.030%	0.030%	0.030%	0.030%
Loan Refinancing Spread							
Total interest rate incl.sur. Fees	7.743%	8.207%	8.410%	8.638%	9.420%	9.701%	9.030%
Base Rate, if Floating Interest7	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Margin, if Floating Interest8	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Are there any Caps/Floor9	No	No	No	No	No	No	No
If above is yes,specify caps/floor							
Moratorium Period10	4.5 yrs *	4.5 yrs *	4.5 yrs *	4.5 yrs *	6 yrs	6 yrs	10 yrs.
Moratorium effective from #	02.02.06	02.01.07	05.02.07	09.03.2007	09.06.11	23.12.11	25.01.2012
Repayment Period11	9.5 yrs	9.5 yrs	9.5 yrs	9.5 yrs	14 yrs	14 yrs	5 yrs
Repayment effective from	02.08.10	02.07.11	05.08.11	09.09.11	09.06.17	23.12.17	25.01.2023
Repayment Frequency12	Half Yearly	Half Yearly	Half Yearly	Half Yearly	Yearly	Yearly	Yearly
Repayment Instalment13,14	5000	2500	2500	2500	700	500	10000
Base Exchange Rate 16							
Door to Door Maturity	14 yrs	14 yrs	14 yrs	14 yrs	20 yrs	20 yrs	15 yrs.

Name of the Projects							
Anantpur Solar	-	-	-	-	-	-	-
ANTA	-	-	-	-	-	-	-
AURAIYA	-	-	-	-	-	-	-
Auraiya R & M	-	-	-	-	-	-	-
Badarpur R&M	-	-	-	-	-	-	-
BARH I	3,000	5,000	8,200	10,000	1,200	4,500	8,400
BARH II	-	-	-	-	-	-	2,000
Bhadla Solar	-	-	-	-	-	-	-
BONGAIGAON	-	-	-	-	-	-	-
Chatti Bariatu CMB	-	-	-	-	-	-	1,700

90

Particulars	XXI 7.7125%	XXII 8.1771%	XXIII 8.3796%	XXIV 8.6077%	XXXIX 9.3896%	XLI 9.6713%	XLIJ 9%
Dadri Gas R & M	-	-	-	-	-	-	-
DADRI GAS	-	-	-	-	-	-	-
DARLIPALLI	-	-	-	-	-	-	-
Dulanga CMB	-	-	-	-	-	-	-
FARAKKA II	-	-	-	-	-	-	-
FARAKKA III	-	700	1,400	-	-	-	7,000
Faraka R & M	-	-	-	-	-	-	-
FARIDABAD	-	-	-	-	-	-	-
GADARWARA	-	-	-	-	-	-	-
GANDHAR	-	-	-	-	-	-	-
Gandhar R & M	-	-	-	-	-	-	-
Kahalgaoon II Phase I	18,500	-	1,800	6,000	-	-	-
Kahalgaoon II Phase II	-	-	-	-	-	-	-
Khstpp R & M	-	-	-	-	-	-	-
KAWAS	-	-	-	-	-	-	-
Kawas R & M	-	-	-	-	-	-	-
Khargone	-	-	-	-	-	-	-
KOLDAM	2,000	10,500	1,700	8,000	3,100	3,000	7,500
KORBA III	-	1,000	1,200	-	-	-	-
Korba R & M	-	-	-	-	-	-	-
Kudgi	-	-	-	-	-	-	-
LARA I	-	-	-	-	-	-	-
Lata Tapovan	-	-	-	-	-	-	-
LOHARINAGPALA	-	-	-	-	-	-	-
Mauda	-	-	-	-	-	-	-
Mauda II	-	-	-	-	-	-	2,400
Mandsaur Solar	-	-	-	-	-	-	-
NCTPP	-	-	-	-	-	-	-
NCTPP II	-	500	-	4,000	-	-	-
NCTPP R & M	-	-	-	-	-	-	-
NORTH KARANPURA	-	-	-	-	-	-	-
Pakri Barwadih CMB	-	-	-	-	-	-	-
Ramagundam I & II R & M	-	-	-	-	-	-	-
RAMAGUNDAM III	4,000	-	-	-	-	-	-
Rammam	-	-	-	-	-	-	-
RIHAND II	25,000	-	-	-	-	-	-
RIHAND III	-	-	-	-	-	-	-
Rihand R & M	-	-	-	-	-	-	800
SIMHADRI	-	-	-	-	-	-	-
Simhadari II	-	-	-	20,000	-	-	-
Simhadari R & M	-	-	-	-	-	-	3,800
Vidhyachal Hydro**	-	-	-	-	-	-	-
Singrauli R & M	-	-	-	-	-	-	-

Particulars	XXI 7.7125%	XXII 8.1771%	XXIII 8.3796%	XXIV 8.6077%	XXXIX 9.3896%	XLI 9.6713%	XLII 9%
Vindychal Solar**	-	-	-	-	-	-	-
SIPAT I	2,500	23,600	20,900	-	-	-	-
SIPAT II	-	4,200	6,800	-	5,900	-	14,500
SOLAPUR	-	-	-	-	-	-	-
TALCHER I	-	-	-	-	-	-	-
TALCHER II	28,000	-	-	-	-	-	-
Tanda II	-	-	-	-	-	-	-
Tanda R & M	-	-	-	-	-	-	-
Tapovan Vishnugad	-	2,000	100	-	300	-	1,500
Telangana	-	-	-	-	-	-	-
TSTPP R & M	-	-	-	-	-	-	-
TTPS R & M	-	-	-	-	-	-	-
Unchahar R & M	-	-	-	-	-	-	-
Unchahar IV	-	-	-	-	-	-	-
UNCHAHAR II	-	-	-	-	-	-	-
Unchahar III	4,500	1,000	200	-	-	-	-
VINDHYACHAL II	-	-	-	-	-	-	-
Vindhyachal III	12,500	1,500	7,700	2,000	-	-	-
Vindhyachal IV	-	-	-	-	-	-	-
Vindhyachal V	-	-	-	-	-	-	400
Vindhyachal R & M	-	-	-	-	-	-	-
DADRI SOLAR	-	-	-	-	-	-	-
A&N SOLAR	-	-	-	-	-	-	-
RAMAGUNDAM SOLAR	-	-	-	-	-	-	-
TALCHER SOLAR	-	-	-	-	-	-	-
UNCHAHAR SOLAR	-	-	-	-	-	-	-
FARIDABAD SOLAR	-	-	-	-	-	-	-
RAJGARH SOLAR	-	-	-	-	-	-	-
Talaipali Coal Mine	-	-	-	-	-	-	-
CC	-	-	-	-	-	-	-
TOTAL	1,00,000	50,000	50,000	50,000	10,500	7,500	50,000

92

Form 8- Domestic Bonds- Details of Allocation of corporate loa

Particulars	XXI 7.7125%	XXII 8.1771%	XXIII 8.3796%	XXIV 8.6077%	XLVII 8.84%	XLVIII 8.73%	XLIX 8.80%
Source of Loan1	BONDS	BONDS	BONDS	BONDS	BONDS	BONDS	BONDS
Currency2	INR	INR	INR	INR	INR	INR	INR
Amount of Loan sanctioned	100000	50000	50000	50000	39000	30000	20000
Interest Type6	Fixed	Fixed	Fixed	Fixed	Fixed	Fixed	Fixed
Fixed Interest Rate, if applicable	7.7125%	8.1771%	8.3796%	8.6077%	8.84%	8.73%	8.80%
Annual surveillance fees	0.030%	0.030%	0.030%	0.030%	0.030%	0.030%	0.030%
Loan Refinancing Spread							
Total interest rate incl.sur. Fees	7.743%	8.207%	8.410%	8.638%	8.870%	8.760%	8.830%
Base Rate, if Floating Interest7	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Margin, if Floating Interest8	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Are there any Caps/Floor9	No	No	No	No	No	No	No
If above is yes,specify caps/floor							
Moratorium Period10	4.5 yrs *	4.5 yrs *	4.5 yrs *	4.5 yrs *	10 yrs	10 yrs.	10 yrs.
Moratorium effective from #	02.02.06	02.01.07	05.02.07	09.03.2007	04.10.12	07.03.2013	04.04.2013
Repayment Period11	9.5 yrs	9.5 yrs	9.5 yrs	9.5 yrs	Bullet Repayment	Bullet Repayment	Bullet Repayment
Repayment effective from	02.08.10	02.07.11	05.08.11	09.09.11	04.10.22	07.03.2023	04.04.2023
Repayment Frequency12	Half Yearly	Half Yearly	Half Yearly	Half Yearly	Bullet Repayment	Bullet Repayment	Bullet Repayment
Repayment Instalment13, 14	5000	2500	2500	2500	39000	30000	20000
Base Exchange Rate16							
Door to Door Maturity	14 yrs	14 yrs	14 yrs	14 yrs	10 yrs	10 yrs.	10 yrs.

Name of the Projects							
Anantpur Solar	-	-	-	-	-	-	-
ANTA	-	-	-	-	-	-	-
AURAIYA	-	-	-	-	-	-	-
Auraiya R & M	-	-	-	-	-	-	-
Badarpur R&M	-	-	-	-	-	-	-
BARH I	3,000	5,000	8,200	10,000	11,500	16,500	3,000
BARH II	-	-	-	-	2,500	2,500	-
Bhadla Solar	-	-	-	-	-	-	-
BONGAIGAON	-	-	-	-	-	-	-
Chatti Bariatu CMB	-	-	-	-	3,500	2,000	2,500

2

Particulars	XXI 7.7125%	XXII 8.1771%	XXIII 8.3796%	XXIV 8.6077%	XLVIII 8.84%	XLVIII 8.73%	XLIX 8.80%
Dadri Gas R & M	-	-	-	-	-	-	-
DADRI GAS	-	-	-	-	-	-	-
DARLIPALLI	-	-	-	-	-	-	-
Dulanga CMB	-	-	-	-	-	-	-
FARAKKA II	-	-	-	-	-	-	-
FARAKKA III	-	700	1,400	-	-	-	-
Farakka R & M	-	-	-	-	-	-	-
FARIDABAD	-	-	-	-	-	-	-
GADARWARA	-	-	-	-	-	-	-
GANDHAR	-	-	-	-	-	-	-
Gandhar R & M	-	-	-	-	-	-	-
Kahalgaoon II Phase I	18,500	-	1,800	6,000	-	-	-
Kahalgaoon II Phase II	-	-	-	-	-	-	-
Khstpp R & M	-	-	-	-	-	-	-
KAWAS	-	-	-	-	-	-	-
Kawas R & M	-	-	-	-	-	-	-
Khargone	-	-	-	-	-	-	-
KOLDAM	2,000	10,500	1,700	8,000	8,500	5,500	3,200
KORBA III	-	1,000	1,200	-	-	-	-
Korba R & M	-	-	-	-	-	-	-
Kudgi	-	-	-	-	-	-	-
LARA I	-	-	-	-	-	-	-
Lata Tapovan	-	-	-	-	-	-	-
LOHARINAGPALA	-	-	-	-	-	-	-
Mauda	-	-	-	-	2,000	1,800	2,000
Mauda II	-	-	-	-	-	-	-
Mandsaur Solar	-	-	-	-	-	-	-
NCTPP	-	-	-	-	-	-	-
NCTPP II	-	500	-	4,000	-	-	-
NCTPP R & M	-	-	-	-	-	-	-
NORTH KARANPURA	-	-	-	-	-	-	-
Pakri Barwadih CMB	-	-	-	-	-	-	-
Ramagundam I & II R & M	-	-	-	-	-	-	-
RAMAGUNDAM III	4,000	-	-	-	-	-	-
Rammam	-	-	-	-	-	-	-
RIHAND II	25,000	-	-	-	-	-	-
RIHAND III	-	-	-	-	3,500	-	5,000
Rihand R & M	-	-	-	-	-	-	-
SIMHADRI	-	-	-	-	-	-	-
Simhadari II	-	-	-	20,000	-	-	-
Simhadari R & M	-	-	-	-	2,500	-	-
Vidhyachal Hydro**	-	-	-	-	-	-	-
Singrauli R & M	-	-	-	-	-	-	-

Particulars	XXI 7.7125%	XXII 8.1771%	XXIII 8.3796%	XXIV 8.6077%	XL VIII 8.84%	XL VIII 8.73%	XLIX 8.80%
Vindhyachal Solar**	-	-	-	-	-	-	-
SIPAT I	2,500	23,600	20,900	-	-	-	-
SIPAT II	-	4,200	6,800	-	-	-	-
SOLAPUR	-	-	-	-	-	-	-
TALCHER I	-	-	-	-	-	-	-
TALCHER II	28,000	-	-	-	-	-	-
Tanda II	-	-	-	-	-	-	-
Tanda R & M	-	-	-	-	-	-	-
Tapovan Vishnugad	-	2,000	100	-	2,500	1,700	-
Telangana	-	-	-	-	-	-	-
TSTPP R & M	-	-	-	-	-	-	-
TTPS R & M	-	-	-	-	-	-	-
Unchahar R & M	-	-	-	-	-	-	-
Unchahar IV	-	-	-	-	-	-	-
UNCHAHAR II	-	-	-	-	-	-	-
Unchahar III	4,500	1,000	200	-	-	-	-
VINDHYACHAL II	-	-	-	-	-	-	-
Vindhyachal III	12,500	1,500	7,700	2,000	-	-	-
Vindhyachal IV	-	-	-	-	-	-	-
Vindhyachal V	-	-	-	-	2,500	-	4,300
Vindhyachal R & M	-	-	-	-	-	-	-
DADRI SOLAR	-	-	-	-	-	-	-
A&N SOLAR	-	-	-	-	-	-	-
RAMAGUNDAM SOLAR	-	-	-	-	-	-	-
TALCHER SOLAR	-	-	-	-	-	-	-
UNCHAHAR SOLAR	-	-	-	-	-	-	-
FARIDABAD SOLAR	-	-	-	-	-	-	-
RAJGARH SOLAR	-	-	-	-	-	-	-
Talaipali Coal Mine	-	-	-	-	-	-	-
CC	-	-	-	-	-	-	-
TOTAL	1,00,000	50,000	50,000	50,000	39,000	30,000	20,000

95

Form 8- Domestic Bonds- Details of Allocation of corporate loa

Particulars	XXI 7.7125%		XXII 8.1771%		XXIII 8.3796%		XXIV 8.6077%		L 1A		L 2A	
	BONDS	INR	BONDS	INR	BONDS	INR	BONDS	INR	BONDS	INR	BONDS	INR
Source of Loan1												
Currency2	100000	INR	50000	INR	50000	INR	50000	INR	48803	INR	24995	INR
Amount of Loan sanctioned	Fixed		Fixed		Fixed		Fixed		Fixed		Fixed	
Interest Type6	7.7125%		8.1771%		8.3796%		8.6077%		8.41%		8.48%	
Fixed Interest Rate, if applicable	0.030%		0.030%		0.030%		0.030%		0.030%		0.030%	
Annual surveillance fees												
Loan Refinancing Spread	7.743%		8.207%		8.410%		8.638%		8.440%		8.510%	
Total interest rate incl.sur. Fees	N/A		N/A		N/A		N/A		N/A		N/A	
Base Rate, if Floating Interest7	N/A		N/A		N/A		N/A		N/A		N/A	
Margin, if Floating Interest8	No		No		No		No		No		No	
Are there any Caps/Floor9												
If above is yes,specify caps/floor												
Moratorium Period10	4.5 yrs *		4.5 yrs *		4.5 yrs *		4.5 yrs *		10 yrs.		15 yrs.	
Moratorium effective from #	02.02.06		02.01.07		05.02.07		09.03.2007		16.12.2013		16.12.2013	
Repayment Period11	9.5 yrs		9.5 yrs		9.5 yrs		9.5 yrs		Bullet Repayment		Bullet Repayment	
Repayment effective from	02.08.10		02.07.11		05.08.11		09.09.11		16.12.2023		16.12.2028	
Repayment Frequency12	Half Yearly		Half Yearly		Half Yearly		Half Yearly		Bullet Repayment		Bullet Repayment	
Repayment Instalment13, 14	5000		2500		2500		2500		4880265000		2499459000	
Base Exchange Rate16												
Door to Door Maturity	14 yrs		14 yrs		14 yrs		14 yrs		10 yrs.		15 yrs.	

Name of the Projects											
Anantpur Solar	-	-	-	-	-	-	-	-	-	-	-
ANTA	-	-	-	-	-	-	-	-	-	-	-
AURAIYA	-	-	-	-	-	-	-	-	-	-	-
Auraya R & M	-	-	-	-	-	-	-	-	-	-	-
Badarpur R&M	-	-	-	-	-	-	-	-	-	-	-
BARH I	3,000	5,000	8,200	10,000	9,119	4,670					
BARH II	-	-	-	-	-	-	-	-	-	-	-
Bhadla Solar	-	-	-	-	-	-	-	-	-	-	-
BONGAIGAON	-	-	-	-	-	-	-	-	-	-	-
Chatti Bariatu CMB	-	-	-	-	-	-	-	-	-	-	-



Particulars	XXI 7.7125%	XXII 8.1771%	XXIII 8.3796%	XXIV 8.6077%	L 1A	L 2A
Dadri Gas R & M	-	-	-	-	-	-
DADRI GAS	-	-	-	-	-	-
DARLIPALLI	-	-	-	-	-	-
Dulanga CMB	-	-	-	-	-	-
FARAKKA II	-	-	-	-	-	-
FARAKKA III	-	700	1,400	-	-	-
Farakka R & M	-	-	-	-	-	-
FARIDABAD	-	-	-	-	-	-
GADARWARA	-	-	-	-	-	-
GANDHAR	-	-	-	-	-	-
Gandhar R & M	-	-	-	-	-	-
Kahaigaon II Phase I	18,500	-	1,800	6,000	-	-
Kahaigaon II Phase II	-	-	-	-	-	-
Khstpp R & M	-	-	-	-	-	-
KAWAS	-	-	-	-	-	-
Kawas R & M	-	-	-	-	-	-
Khargone	-	-	-	-	-	-
KOLDAM	2,000	10,500	1,700	8,000	6,024	3,085
KORBA III	-	1,000	1,200	-	-	-
Korba R & M	-	-	-	-	-	-
Kudgi	-	-	-	-	-	-
LARA I	-	-	-	-	3,904	2,000
Lata Tapovan	-	-	-	-	2,789	1,428
LOHARINAGPALA	-	-	-	-	-	-
Mauda	-	-	-	-	-	-
Mauda II	-	-	-	-	2,844	1,457
Mandsaur Solar	-	-	-	-	3,765	1,928
NCTPP	-	-	-	-	-	-
NCTPP II	-	-	-	-	-	-
NCTPP R & M	-	500	-	4,000	-	-
NORTH KARANPURA	-	-	-	-	-	-
Pakri Barwadih CMB	-	-	-	-	-	-
Ramagundam I & II R & M	-	-	-	-	-	-
RAMAGUNDAM III	4,000	-	-	-	-	-
Rammam	-	-	-	-	-	-
RIHAND II	25,000	-	-	-	-	-
RIHAND III	-	-	-	-	-	-
Rihand R & M	-	-	-	-	1,645	843
SIMHADRI	-	-	-	-	-	-
Simhadari II	-	-	-	-	-	-
Simhadari R & M	-	-	-	20,000	-	-
Vidhyachal Hydro**	-	-	-	-	-	-
Singrauli R & M	-	-	-	-	-	-

97

Particulars	XXI 7.7125%	XXII 8.1771%	XXIII 8.3796%	XXIV 8.6077%	L 1A	L 2A
Vindhyachal Solar**	-	-	-	-	-	-
SIPAT I	2,500	23,600	20,900	-	-	-
SIPAT II	-	4,200	6,800	-	-	-
SOLAPUR	-	-	-	-	2,231	1,143
TALCHER I	-	-	-	-	-	-
TALCHER II	28,000	-	-	-	-	-
Tanda II	-	-	-	-	-	-
Tanda R & M	-	-	-	-	-	-
Tapovan Vishnugad	-	2,000	100	-	1,924	986
Telangana	-	-	-	-	-	-
TSTPP R & M	-	-	-	-	-	-
TTPS R & M	-	-	-	-	-	-
Unchahar R & M	-	-	-	-	-	-
Unchahar IV	-	-	-	-	4,183	2,142
UNCHAHAR II	-	-	-	-	-	-
Unchahar III	4,500	1,000	200	-	-	-
VINDHYACHAL II	-	-	-	-	-	-
Vindhyachal III	12,500	1,500	7,700	2,000	-	-
Vindhyachal IV	-	-	-	-	1,673	857
Vindhyachal V	-	-	-	-	5,159	2,642
Vindhyachal R & M	-	-	-	-	-	-
DADRI SOLAR	-	-	-	-	-	-
A&N SOLAR	-	-	-	-	-	-
RAMAGUNDAM SOLAR	-	-	-	-	-	-
TALCHER SOLAR	-	-	-	-	-	-
UNCHAHAR SOLAR	-	-	-	-	-	-
FARIDABAD SOLAR	-	-	-	-	-	-
RAJGARH SOLAR	-	-	-	-	-	-
Talaipali Coal Mine	-	-	-	-	-	-
CC	-	-	-	-	-	-
TOTAL	1,00,000	50,000	50,000	50,000	48,803	24,995

98

Form 8- Domestic Bonds- Details of Allocation of corporate loa

Particulars	XXI 7.7125%	XXII 8.1771%	XXIII 8.3796%	XXIV 8.6077%	L 3A	L 1B
Source of Loan1	BONDS	BONDS	BONDS	BONDS	BONDS	BONDS
Currency2	INR	INR	INR	INR	INR	INR
Amount of Loan sanctioned	100000	50000	50000	50000	31203	20864
Interest Type6	Fixed	Fixed	Fixed	Fixed	Fixed	Fixed
Fixed Interest Rate, if applicable	7.7125%	8.1771%	8.3796%	8.6077%	8.66%	8.66%
Annual surveillance fees	0.030%	0.030%	0.030%	0.030%	0.030%	0.030%
Loan Refinancing Spread						
Total interest rate incl.sur. Fees	7.743%	8.207%	8.410%	8.638%	8.690%	8.690%
Base Rate, if Floating Interest7	N/A	N/A	N/A	N/A	N/A	N/A
Margin, if Floating Interest8	N/A	N/A	N/A	N/A	N/A	N/A
Are there any Caps/Floor9	No	No	No	No	No	No
If above is yes, specify caps/floor						
Moratorium Period10	4.5 yrs *	4.5 yrs *	4.5 yrs *	4.5 yrs *	20 yrs.	10 yrs.
Moratorium effective from #	02.02.06	02.01.07	05.02.07	09.03.2007	16.12.2013	16.12.2013
Repayment Period11	9.5 yrs	9.5 yrs	9.5 yrs	9.5 yrs	Bullet Repayment	Bullet Repayment
Repayment effective from	02.08.10	02.07.11	05.08.11	09.09.11	16.12.2033	16.12.2023
Repayment Frequency12	Half Yearly	Half Yearly	Half Yearly	Half Yearly	Bullet Repayment	Bullet Repayment
Repayment Instalment13,14	5000	2500	2500	2500	3120276000	2086391000
Base Exchange Rate16						
Door to Door Maturity	14 yrs	14 yrs	14 yrs	14 yrs	20 yrs.	10 yrs.

Name of the Projects						
Anantpur Solar	-	-	-	-	-	-
ANTA	-	-	-	-	-	-
AURAIYA	-	-	-	-	-	-
Auraiya R & M	-	-	-	-	-	-
Badarpur R&M	-	-	-	-	-	-
BARH I	3,000	5,000	8,200	10,000	5,830	3,899
BARH II	-	-	-	-	1,105	739
Bhadla Solar	-	-	-	-	-	-
BONGAIGAON	-	-	-	-	1,159	775
Chatti Bariatu CMB	-	-	-	-	-	-

99

Particulars	XXI 7.7125%	XXII 8.1771%	XXIII 8.3796%	XXIV 8.6077%	L 3A	L 1B
Dadri Gas R & M	-	-	-	-	-	-
DADRI GAS	-	-	-	-	-	-
DARLIPALLI	-	-	-	-	-	-
Dulanga CMB	-	-	-	-	-	-
FARAKKA II	-	-	-	-	-	-
FARAKKA III	-	700	1,400	-	-	-
Farakka R & M	-	-	-	-	-	-
FARIDABAD	-	-	-	-	-	-
GADARWARA	-	-	-	-	-	-
GANDHAR	-	-	-	-	-	-
Gandhar R & M	-	-	-	-	-	-
Kahalgaon II Phase I	18,500	-	1,800	6,000	-	-
Kahalgaon II Phase II	-	-	-	-	-	-
Khspp R & M	-	-	-	-	-	-
KAWAS	-	-	-	-	-	-
Kawas R & M	-	-	-	-	-	-
Khargone	-	-	-	-	-	-
KOLDAM	2,000	10,500	1,700	8,000	3,851	2,575
KORBA III	-	1,000	1,200	-	-	-
Korba R & M	-	-	-	-	-	-
Kudgi	-	-	-	-	-	-
LARA I	-	-	-	-	2,496	1,669
Lata Tapovan	-	-	-	-	1,783	1,192
LOHARINAGPALA	-	-	-	-	-	-
Mauda	-	-	-	-	-	-
Mauda II	-	-	-	-	1,819	1,216
Mandsaur Solar	-	-	-	-	2,407	1,610
NCTPP	-	-	-	-	-	-
NCTPP II	-	-	-	-	-	-
NCTPP R & M	-	500	-	4,000	-	-
NORTH KARANPURA	-	-	-	-	-	-
Pakri Barwadih CMB	-	-	-	-	-	-
Ramagundam I & II R & M	-	-	-	-	-	-
RAMAGUNDAM III	4,000	-	-	-	-	-
Rammam	-	-	-	-	-	-
RIHAND II	25,000	-	-	-	-	-
RIHAND III	-	-	-	-	-	-
Rihand R & M	-	-	-	-	1,052	703
SIMHADRI	-	-	-	-	-	-
Simhadari II	-	-	-	-	-	-
Simhadari R & M	-	-	-	20,000	-	-
Vidhyachal Hydro**	-	-	-	-	-	-
Singrauli R & M	-	-	-	-	-	-

100

Particulars	XXI 7.7125%	XXII 8.1771%	XXIII 8.3796%	XXIV 8.6077%	L 3A	L 1B
Vindychal Solar**	-	-	-	-	-	-
SIPAT I	2,500	23,600	20,900	-	-	-
SIPAT II	-	4,200	6,800	-	-	-
SOLAPUR	-	-	-	-	1,426	954
TALCHER I	-	-	-	-	-	-
TALCHER II	28,000	-	-	-	-	-
Tanda II	-	-	-	-	-	-
Tanda R & M	-	-	-	-	-	-
Tapovan Vishnugad	-	2,000	100	-	1,230	823
Telangana	-	-	-	-	-	-
TSTPP R & M	-	-	-	-	-	-
TTPS R & M	-	-	-	-	-	-
Unchahar R & M	-	-	-	-	-	-
Unchahar IV	-	-	-	-	2,675	1,788
UNCHAHAR II	-	-	-	-	-	-
Unchahar III	4,500	1,000	200	-	-	-
VINDHYACHAL II	-	-	-	-	-	-
Vindhyachal III	12,500	1,500	7,700	2,000	-	-
Vindhyachal IV	-	-	-	-	1,070	715
Vindhyachal V	-	-	-	-	3,299	2,206
Vindhyachal R & M	-	-	-	-	-	-
DADRI SOLAR	-	-	-	-	-	-
A&N SOLAR	-	-	-	-	-	-
RAMAGUNDAM SOLAR	-	-	-	-	-	-
TALCHER SOLAR	-	-	-	-	-	-
UNCHAHAR SOLAR	-	-	-	-	-	-
FARIDABAD SOLAR	-	-	-	-	-	-
RAJGARH SOLAR	-	-	-	-	-	-
Talaipali Coal Mine	-	-	-	-	-	-
CC	-	-	-	-	-	-
TOTAL	1,00,000	50,000	50,000	50,000	31,203	20,864

Form 8- Domestic Bonds- Details of Allocation of corporate loa

Particulars	XXI 7.7125%	XXII 8.1771%	XXIII 8.3796%	XXIV 8.6077%	L 2B	L 3B
Source of Loan1	BONDS	BONDS	BONDS	BONDS	BONDS	BONDS
Currency2	INR	INR	INR	INR	INR	INR
Amount of Loan sanctioned	100000	50000	50000	50000	9139	39997
Interest Type6	Fixed	Fixed	Fixed	Fixed	Fixed	Fixed
Fixed Interest Rate, if applicable	7.7125%	8.1771%	8.3796%	8.6077%	8.73%	8.91%
Annual surveillance fees	0.030%	0.030%	0.030%	0.030%	0.030%	0.030%
Loan Refinancing Spread						
Total interest rate incl.sur. Fees	7.743%	8.207%	8.410%	8.638%	8.760%	8.940%
Base Rate, if Floating Interest7	N/A	N/A	N/A	N/A	N/A	N/A
Margin, if Floating Interest8	N/A	N/A	N/A	N/A	N/A	N/A
Are there any Caps/Floor9	No	No	No	No	No	No
If above is yes,specify caps/floor						
Moratorium Period10	4.5 yrs *	4.5 yrs *	4.5 yrs *	4.5 yrs *	15 yrs.	20 yrs.
Moratorium effective from #	02.02.06	02.01.07	05.02.07	09.03.2007	16.12.2013	16.12.2013
Repayment Period11	9.5 yrs	9.5 yrs	9.5 yrs	9.5 yrs	Bullet Repayment	Bullet Repayment
Repayment effective from	02.08.10	02.07.11	05.08.11	09.09.11	16.12.2028	16.12.2033
Repayment Frequency12	Half Yearly	Half Yearly	Half Yearly	Half Yearly	Bullet Repayment	Bullet Repayment
Repayment Instalment13,14	5000	2500	2500	2500	913928000	3999681000
Base Exchange Rate16						
Door to Door Maturity	14 yrs	14 yrs	14 yrs	14 yrs	15 yrs.	20 yrs.

Name of the Projects						
Ananipur Solar	-	-	-	-	-	-
ANTA	-	-	-	-	-	-
AURAIYA	-	-	-	-	-	-
Auraiya R & M	-	-	-	-	-	-
Badarpur R&M	-	-	-	-	-	-
BARH I	3,000	5,000	8,200	10,000	1,708	7,474
BARH II	-	-	-	-	324	1,417
Bhadla Solar	-	-	-	-	-	-
BONGAIGAON	-	-	-	-	339	1,486
Chatti Bariatu CMB	-	-	-	-	-	-

102

Particulars	XXI 7.7125%	XXII 8.1771%	XXIII 8.3796%	XXIV 8.6077%	L 2B	L 3B
Dadri Gas R & M	-	-	-	-		
DADRI GAS	-	-	-	-		
DARLIPALLI	-	-	-	-		
Dulanga CMB	-	-	-	-		
FARAKKA II	-	-	-	-		
FARAKKA III	-	700	1,400	-		
Farakka R & M	-	-	-	-		
FARIDABAD	-	-	-	-		
GADARWARA	-	-	-	-		
GANDHAR	-	-	-	-		
Gandhar R & M	-	-	-	-		
Kahalgaon II Phase I	18,500	-	1,800	6,000		
Kahalgaon II Phase II	-	-	-	-		
Khsipp R & M	-	-	-	-		
KAWAS	-	-	-	-		
Kawas R & M	-	-	-	-		
Khargone	-	-	-	-		
KOLDAM	2,000	10,500	1,700	8,000	1,128	4,937
KORBA III	-	1,000	1,200	-		
Korba R & M	-	-	-	-		
Kudgi	-	-	-	-	731	3,200
LARA I	-	-	-	-	522	2,286
Lata Tapovan	-	-	-	-		
LOHARINAGPALA	-	-	-	-		
Mauda	-	-	-	-	533	2,331
Mauda II	-	-	-	-	705	3,085
Mandsaur Solar	-	-	-	-		
NCTPP	-	-	-	-		
NCTPP II	-	500	-	-		
NCTPP R & M	-	-	-	4,000		
NORTH KARANPURA	-	-	-	-		
Pakri Barwadih CMB	-	-	-	-		
Ramagundam I & II R & M	-	-	-	-		
RAMAGUNDAM III	4,000	-	-	-		
Rammam	-	-	-	-		
RIHAND II	25,000	-	-	-		
RIHAND III	-	-	-	-	308	1,348
Rihand R & M	-	-	-	-		
SIMHADRI	-	-	-	-		
Simhadari II	-	-	-	20,000		
Simhadari R & M	-	-	-	-		
Vidhyachal Hydro**	-	-	-	-		
Singrauli R & M	-	-	-	-		

Particulars	XXI 7.7125%	XXII 8.1771%	XXIII 8.3796%	XXIV 8.6077%	L 2B	L 3B
Vindhyachal Solar**	-	-	-	-	-	-
SIPAT I	2,500	23,600	20,900	-	-	-
SIPAT II	-	4,200	6,800	-	-	-
SOLAPUR	-	-	-	-	418	1,828
TALCHER I	-	-	-	-	-	-
TALCHER II	28,000	-	-	-	-	-
Tanda II	-	-	-	-	-	-
Tanda R & M	-	-	-	-	-	-
Tapovan Vishnugad	-	2,000	100	-	360	1,577
Telangana	-	-	-	-	-	-
TSTPP R & M	-	-	-	-	-	-
TTPS R & M	-	-	-	-	-	-
Unchahar R & M	-	-	-	-	-	-
Unchahar IV	-	-	-	-	-	-
UNCHAHAR II	-	-	-	-	783	3,428
Unchahar III	4,500	1,000	200	-	-	-
VINDHYACHAL II	-	-	-	-	-	-
Vindhyachal III	12,500	1,500	7,700	2,000	-	-
Vindhyachal IV	-	-	-	-	-	-
Vindhyachal V	-	-	-	-	313	1,371
Vindhyachal R & M	-	-	-	-	966	4,228
DADRI SOLAR	-	-	-	-	-	-
A&N SOLAR	-	-	-	-	-	-
RAMAGUNDAM SOLAR	-	-	-	-	-	-
TALCHER SOLAR	-	-	-	-	-	-
UNCHAHAR SOLAR	-	-	-	-	-	-
FARIDABAD SOLAR	-	-	-	-	-	-
RAJGARH SOLAR	-	-	-	-	-	-
Talaipali Coal Mine	-	-	-	-	-	-
CC	-	-	-	-	-	-
TOTAL	1,00,000	50,000	50,000	50,000	9,139	39,997

104

Form 8- Domestic Bonds- Details of Allocation of corporate loa

Particulars	XXI 7.7125%	XXII 8.1771%	XXIII 8.3796%	XXIV 8.6077%	L/A	L/B	52
Source of Loan1	BONDS	BONDS	BONDS	BONDS	BONDS	BONDS	BONDS
Currency2	INR	INR	INR	INR	INR	INR	INR
Amount of Loan sanctioned	100000	50000	50000	50000	7500	10500	75000
Interest Type6	Fixed	Fixed	Fixed	Fixed	Fixed	Fixed	Fixed
Fixed Interest Rate, if applicable	7.7125%	8.1771%	8.3796%	8.6077%	8.19%	8.63%	9.34%
Annual surveillance fees	0.030%	0.030%	0.030%	0.030%	0.030%	0.030%	0.030%
Loan Refinancing Spread							
Total interest rate incl. sur. Fees	7.743%	8.207%	8.410%	8.638%	8.220%	8.660%	9.370%
Base Rate, if Floating Interest7	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Margin, if Floating Interest8	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Are there any Caps/Floor9	No	No	No	No	No	No	No
If above is yes, specify caps/floor							
Moratorium Period10	4.5 yrs *	4.5 yrs *	4.5 yrs *	4.5 yrs *	10 yrs.	15 yrs.	10
Moratorium effective from #	02.02.06	02.01.07	05.02.07	09.03.2007	04.03.2014	04.03.2014	24-03-2014
Repayment Period11	9.5 yrs	9.5 yrs	9.5 yrs	9.5 yrs	Bullet Repayment	Bullet Repayment	Bullet Repayment
Repayment effective from	02.08.10	02.07.11	05.08.11	09.09.11	04.03.2024	04.03.2029	24-03-2024
Repayment Frequency12	Half Yearly	Half Yearly	Half Yearly	Half Yearly	Bullet Repayment	Bullet Repayment	Bullet Repayment
Repayment Instalment13,14	5000	2500	2500	2500	7500	10500	75000
Base Exchange Rate16							
Door to Door Maturity	14 yrs	14 yrs	14 yrs	14 yrs	10 yrs.	15 yrs.	10

Name of the Projects							
Anantpur Solar	-	-	-	-	-	-	-
ANTA	-	-	-	-	-	-	-
AURAIYA	-	-	-	-	-	-	-
Auraiya R & M	-	-	-	-	-	-	-
Badarpur R&M	-	-	-	-	-	-	-
BARH I	3,000	5,000	8,200	10,000	4,700	4,200	400
BARH II	-	-	-	-	-	-	-
Bhadla Solar	-	-	-	-	-	-	-
BONGAIGAON	-	-	-	-	-	-	-
Chatli Bariatu CMB	-	-	-	-	1,600	3,400	-

105

Particulars	XXI 7.7125%	XXII 8.1771%	XXIII 8.3796%	XXIV 8.6077%	LIA	LIB	52
Dadri Gas R & M	-	-	-	-	-	-	-
DADRI GAS	-	-	-	-	-	-	-
DARLIPALLI	-	-	-	-	-	-	-
Dulanga CMB	-	-	-	-	-	-	36,800
FARAKKA II	-	-	-	-	-	-	-
FARAKKA III	-	700	1,400	-	-	-	-
Farakka R & M	-	-	-	-	-	-	-
FARIDABAD	-	-	-	-	-	-	-
GADARWARA	-	-	-	-	-	-	-
GANDHAR	-	-	-	-	-	-	-
Gandhar R & M	-	-	-	-	-	-	-
Kahalgao II Phase I	18,500	-	1,800	6,000	-	-	-
Kahalgao II Phase II	-	-	-	-	-	-	-
Khstpp R & M	-	-	-	-	-	-	-
KAWAS	-	-	-	-	-	-	-
Kawas R & M	-	-	-	-	-	-	-
Khargone	-	-	-	-	-	-	-
KOLDAM	2,000	10,500	1,700	8,000	6,500	4,200	4,100
KORBA III	-	1,000	1,200	-	-	-	-
Korba R & M	-	-	-	-	-	-	-
Kudgi	-	-	-	-	-	-	-
LARA I	-	-	-	-	-	-	20,000
Lata Tapovan	-	-	-	-	-	-	-
LOHARINAGPALA	-	-	-	-	-	-	-
Mauda	-	-	-	-	-	-	-
Mauda II	-	-	-	-	-	-	-
Mandsaur Solar	-	-	-	-	-	-	-
NCTPP	-	-	-	-	-	-	-
NCTPP II	-	500	-	4,000	-	-	-
NCTPP R & M	-	-	-	-	-	-	-
NORTH KARANPURA	-	-	-	-	-	-	-
Pakri Barwadih CMB	-	-	-	-	-	-	3,800
Ramagundam I & II R & M	-	-	-	-	-	-	-
RAMAGUNDAM III	4,000	-	-	-	-	-	-
Rammam	-	-	-	-	-	-	-
RIHAND II	25,000	-	-	-	-	-	-
RIHAND III	-	-	-	-	400	-	-
Rihand R & M	-	-	-	-	-	-	-
SIMHADRI	-	-	-	-	-	-	-
Simhadari II	-	-	-	20,000	-	-	-
Simhadari R & M	-	-	-	-	-	-	-
Vidhyachal Hydro**	-	-	-	-	-	-	-
Singrauli R & M	-	-	-	-	-	-	-

Particulars	XXI 7.7125%	XXII 8.1771%	XXIII 8.3796%	XXIV 8.6077%	LIA	LIB	52
Vindhyachal Solar**	-	-	-	-	-	-	-
SIPAT I	2,500	23,600	20,900	-	-	-	-
SIPAT II	-	4,200	6,800	-	-	-	-
SOLAPUR	-	-	-	-	-	-	-
TALCHER I	-	-	-	-	-	-	-
TALCHER II	28,000	-	-	-	-	-	-
Tanda II	-	-	-	-	-	-	-
Tanda R & M	-	-	-	-	-	-	-
Tapovan Vishnugad	-	2,000	100	-	600	-	2,300
Telangana	-	-	-	-	-	-	-
TSTPP R & M	-	-	-	-	-	-	-
TTPS R & M	-	-	-	-	-	-	-
Unchahar R & M	-	-	-	-	-	-	-
Unchahar IV	-	-	-	-	-	-	-
UNCHAHAR II	-	-	-	-	-	-	-
Unchahar III	4,500	1,000	200	-	-	-	-
VINDHYACHAL II	-	-	-	-	-	-	-
Vindhyachal III	12,500	1,500	7,700	2,000	-	-	-
Vindhyachal IV	-	-	-	-	-	-	-
Vindhyachal V	-	-	-	-	-	-	-
Vindhyachal R & M	-	-	-	-	-	-	-
DADRI SOLAR	-	-	-	-	-	-	-
A&N SOLAR	-	-	-	-	-	-	-
RAMAGUNDAM SOLAR	-	-	-	-	-	-	-
TALCHER SOLAR	-	-	-	-	-	-	-
UNCHAHAR SOLAR	-	-	-	-	-	-	-
FARIDABAD SOLAR	-	-	-	-	-	-	-
RAJGARH SOLAR	-	-	-	-	-	-	-
Talaipali Coal Mine	-	-	-	-	-	-	-
CC	-	-	-	-	-	-	-
TOTAL	1,00,000	50,000	50,000	50,000	7,500	10,500	75,000

701

Form 8- Domestic Bonds- Details of Allocation of corporate loa

Particulars	XXI 7.7125%	XXII 8.1771%	XXIII 8.3796%	XXIV 8.6077%	53	54
Source of Loan1	BONDS	BONDS	BONDS	BONDS	BONDS	BONDS
Currency2	INR	INR	INR	INR	INR	INR
Amount of Loan sanctioned	100000	50000	50000	50000	100000	1030683
Interest Type6	Fixed	Fixed	Fixed	Fixed	Fixed	Fixed
Fixed Interest Rate, if applicable	7.7125%	8.1771%	8.3796%	8.6077%	9.17%	8.49%
Annual surveillance fees	0.030%	0.030%	0.030%	0.030%	0.030%	0.030%
Loan Refinancing Spread						
Total interest rate incl. sur. Fees	7.743%	8.207%	8.410%	8.638%	9.200%	8.520%
Base Rate, if Floating Interest7	N/A	N/A	N/A	N/A	N/A	N/A
Margin, if Floating Interest8	N/A	N/A	N/A	N/A	N/A	N/A
Are there any Caps/Floor9	No	No	No	No	No	No
If above is yes, specify caps/floor						
Moratorium Period10	4.5 yrs *	4.5 yrs *	4.5 yrs *	4.5 yrs *	10	8
Moratorium effective from #	02.02.06	02.01.07	05.02.07	09.03.2007	22-09-2014	25-03-2015
Repayment Period11	9.5 yrs	9.5 yrs	9.5 yrs	9.5 yrs	Bullet Repayment	Installments Due on 25/03/2023, 25/03/2024 & 25/03/2025
Repayment effective from	02.08.10	02.07.11	05.08.11	09.09.11	22-09-2024	25-03-2023
Repayment Frequency12	Half Yearly	Half Yearly	Half Yearly	Half Yearly	Bullet Repayment	Installments Due on 25/03/2023, 25/03/2024 & 25/03/2025
Repayment Instalment13,14	5000	2500	2500	2500	100000	Installments 1st - 206,136.61 2nd - 412,273.22 3rd - 412,273.22
Base Exchange Rate16						
Door to Door Maturity	14 yrs	14 yrs	14 yrs	14 yrs	N/A	N/A
					10	10

Name of the Projects						
Anantpur Solar	-	-	-	-	-	5,600
ANTA	-	-	-	-	-	-
AURAIYA	-	-	-	-	-	-
Auraiya R & M	-	-	-	-	-	-
Badarpur R&M	-	-	-	-	-	-
BARH I	3,000	5,000	8,200	10,000	19,000	2,300
BARH II	-	-	-	-	3,500	74,883
Bhadla Solar	-	-	-	-	-	63,500
BONGAIGAON	-	-	-	-	11,000	-
Chatti Bariatu CMB	-	-	-	-	-	54,000
						8,100

108

Particulars	XXI 7.7125%	XXII 8.1771%	XXIII 8.3796%	XXIV 8.6077%	53	54
Dadri Gas R & M	-	-	-	-	-	600
DADRI GAS	-	-	-	-	-	-
DARLIPALLI	-	-	-	-	-	49,200
Dulanga CMB	-	-	-	-	-	-
FARAKKA II	-	-	-	-	-	-
FARAKKA III	-	700	1,400	-	-	-
Farakka R & M	-	-	-	-	-	10,900
FARIDABAD	-	-	-	-	-	2,000
GADARWARA	-	-	-	-	-	-
GANDHAR	-	-	-	-	-	81,000
Gandhar R & M	-	-	-	-	-	-
Kahalgaon II Phase I	18,500	-	-	-	-	4,300
Kahalgaon II Phase II	-	-	1,800	6,000	-	-
Khstpp R & M	-	-	-	-	-	1,800
KAWAS	-	-	-	-	-	2,000
Kawas R & M	-	-	-	-	-	-
Khargone	-	-	-	-	-	1,400
KOLDAM	2,000	10,500	1,700	8,000	6,500	45,000
KORBA III	-	1,000	1,200	-	-	25,100
Korba R & M	-	-	-	-	-	9,200
Kudgi	-	-	-	-	-	4,400
LARA I	-	-	-	-	16,500	1,23,300
Lata Tapovan	-	-	-	-	12,500	53,300
LOHARINAGPALA	-	-	-	-	-	1,600
Mauda	-	-	-	-	-	-
Mauda II	-	-	-	-	-	21,900
Mandsaur Solar	-	-	-	-	-	45,800
NCTPP	-	-	-	-	-	-
NCTPP II	-	-	-	-	-	-
NCTPP R & M	-	500	-	4,000	-	11,000
NORTH KARANPURA	-	-	-	-	-	3,700
Pakri Barwadih CMB	-	-	-	-	8,000	12,400
Ramagundam I & II R & M	-	-	-	-	-	26,600
RAMAGUNDAM III	4,000	-	-	-	-	2,400
Rammam	-	-	-	-	-	-
RIHAND II	25,000	-	-	-	-	3,100
RIHAND III	-	-	-	-	-	-
Rihand R & M	-	-	-	-	-	28,300
SIMHADRI	-	-	-	-	-	2,500
Simhadari II	-	-	-	-	-	-
Simhadari R & M	-	-	-	20,000	-	26,800
Vidhyachal Hydro**	-	-	-	-	-	900
Singrauli R & M	-	-	-	-	-	1,900
	-	-	-	-	-	1,600

Particulars	XXI 7.7125%	XXII 8.1771%	XXIII 8.3796%	XXIV 8.6077%	53	54
Vindychal Solar**	-	-	-	-	-	4,800
SIPAT I	2,500	23,600	20,900	-	-	20,500
SIPAT II	-	4,200	6,800	-	-	-
SOLAPUR	-	-	-	-	21,000	70,300
TALCHER I	-	-	-	-	-	-
TALCHER II	28,000	-	-	-	-	12,000
Tanda II	-	-	-	-	-	9,000
Tanda R & M	-	-	-	-	-	-
Tapovan Vishnugad	-	2,000	100	-	2,000	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	4,500	1,000	200	-	-	-
VINDHYACHAL II	-	-	-	-	-	-
Vindhyachal III	12,500	1,500	7,700	2,000	-	-
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	1,00,000	50,000	50,000	50,000	1,00,000	10,30,683

110

Form 8- Domestic Bonds- Details of Allocation of corporate loa

Particulars	XXI 7.7125%	XXII 8.1771%	XXIII 8.3796%	XXIV 8.6077%	57	56	67
Source of Loan1	BONDS	BONDS	BONDS	BONDS	BONDS	BONDS	BONDS
Currency2	INR	INR	INR	INR	INR	INR	INR
Amount of Loan sanctioned	100000	50000	50000	50000	50000	392500	400000
Interest Type6	Fixed	Fixed	Fixed	Fixed	Fixed	Fixed	Fixed
Fixed Interest Rate, if applicable	7.7125%	8.1771%	8.3796%	8.6077%	8.19%	7.37%	8.30%
Annual surveillance fees	0.030%	0.030%	0.030%	0.030%	0.030%	0.030%	0.030%
Loan Refinancing Spread							
Total interest rate incl. sur. Fees	7.743%	8.207%	8.410%	8.638%	8.220%	7.400%	8.4300%
Base Rate, if Floating Interest7	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Margin, if Floating Interest8	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Are there any Caps/Floor9	No	No	No	No	No	No	No
If above is yes, specify caps/floor							
Moratorium Period10	4.5 yrs *	4.5 yrs *	4.5 yrs *	4.5 yrs *	10	15	10
Moratorium effective from #	02.02.06	02.01.07	05.02.07	09.03.2007	15-12-2015	14-12-2016	15-01-2019
Repayment Period11	9.5 yrs	9.5 yrs	9.5 yrs	9.5 yrs	Bullet Repayment	Bullet Repayment	Bullet Repayment
Repayment effective from	02.08.10	02.07.11	05.08.11	09.09.11	15-12-2025	14-12-2031	15-01-2029
Repayment Frequency12	Half Yearly	Half Yearly	Half Yearly	Half Yearly	Bullet Repayment	Bullet Repayment	Bullet Repayment
Repayment Instalment13,14	5000	2500	2500	2500	50000	392500	400000
Base Exchange Rate16							
Door to Door Maturity	14 yrs	14 yrs	14 yrs	14 yrs	10	15	10

Name of the Projects							
Anantpur Solar	-	-	-	-	-	-	-
ANTA	-	-	-	-	-	-	-
AURAIYA	-	-	-	-	-	-	-
Auraya R & M	-	-	-	-	1,400	-	-
Badarpur R&M	-	-	-	-	-	-	-
BARH I	-	-	-	-	-	-	-
BARH II	3,000	5,000	8,200	10,000	8,900	46,300	45,957
Bhadla Solar	-	-	-	-	-	2,000	1,000
BONGAIGAON	-	-	-	-	-	-	-
Chatti Bariatu CMB	-	-	-	-	500	12,700	38,820
	-	-	-	-	-	300	-



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Particulars	XXI 7.7125%	XXII 8.1771%	XXIII 8.3796%	XXIV 8.6077%	57	66	67
Dadri Gas R & M	-	-	-	-	-	-	-
DADRI GAS	-	-	-	-	-	-	-
DARLIPALLI	-	-	-	-	-	36,400	-
Dulanga CMB	-	-	-	-	-	25,400	-
FARAKKA II	-	-	-	-	-	-	-
FARAKKA III	-	700	1,400	-	-	-	-
Farakka R & M	-	-	-	-	-	-	-
FARIDABAD	-	-	-	-	-	-	-
GADARWARA	-	-	-	-	2,000	28,100	25,900
GANDHAR	-	-	-	-	-	-	-
Gandhar R & M	-	-	-	-	800	-	-
Kahalgaoon II Phase I	18,500	-	1,800	6,000	-	600	-
Kahalgaoon II Phase II	-	-	-	-	-	-	-
Khstpp R & M	-	-	-	-	500	-	-
KAWAS	-	-	-	-	-	-	-
Kawas R & M	-	-	-	-	-	-	-
Khargone	-	-	-	-	3,000	24,700	-
KOLDAM	2,000	10,500	1,700	8,000	3,700	900	8,598
KORBA III	-	1,000	1,200	-	500	900	2,135
Korba R & M	-	-	-	-	-	-	-
Kudgi	-	-	-	-	-	-	-
LARA I	-	-	-	-	-	30,300	10,000
Lata Tapovan	-	-	-	-	13,700	39,500	22,813
LOHARINAGPALA	-	-	-	-	-	-	-
Mauda	-	-	-	-	-	-	-
Mauda II	-	-	-	-	-	3,200	715
Mandsaur Solar	-	-	-	-	-	11,000	-
NCTPP	-	-	-	-	-	-	1,000
NCTPP II	-	500	-	4,000	500	-	-
NCTPP R & M	-	-	-	-	-	-	1,601
NORTH KARANPURA	-	-	-	-	-	-	-
Pakri Barwadih CMB	-	-	-	-	-	32,300	14,900
Ramagundam I & II R & M	-	-	-	-	800	6,000	21,521
RAMAGUNDAM III	4,000	-	-	-	-	-	-
Rammam	-	-	-	-	-	2,000	2,500
RIHAND II	25,000	-	-	-	-	-	-
RIHAND III	-	-	-	-	800	3,200	4,270
Rihand R & M	-	-	-	-	-	-	-
SIMHADRI	-	-	-	-	-	-	-
Simhadari II	-	-	-	20,000	1,000	2,000	4,804
Simhadari R & M	-	-	-	-	-	-	-
Vidhyachal Hydro**	-	-	-	-	-	-	500
Singrauli R & M	-	-	-	-	-	-	-

Particulars	XXI 7.7125%	XXII 8.1771%	XXIII 8.3796%	XXIV 8.6077%	57	66	67
Vindhyachal Solar**	-	-	-	-	-	-	-
SIPAT I	2,500	23,600	20,900	-	1,400	1,700	-
SIPAT II	-	4,200	6,800	-	-	-	-
SOLAPUR	-	-	-	-	-	25,300	25,200
TALCHER I	-	-	-	-	-	-	-
TALCHER II	28,000	-	-	-	700	500	-
Tanda II	-	-	-	-	400	21,600	12,500
Tanda R & M	-	-	-	-	-	-	-
Tapovan Vishnugad	-	2,000	100	-	-	8,400	15,063
Telangana	-	-	-	-	-	5,800	-
TSTPP R & M	-	-	-	-	1,000	-	-
TTPS R & M	-	-	-	-	-	-	-
Unchahar R & M	-	-	-	-	-	-	-
Unchahar IV	-	-	-	-	-	-	-
UNCHAHAHAR II	-	-	-	-	4,800	14,700	2,500
Unchahar III	4,500	1,000	200	-	-	-	-
VINDHYACHAL II	-	-	-	-	-	-	-
Vindhyachal III	12,500	1,500	7,700	2,000	-	-	-
Vindhyachal IV	-	-	-	-	-	-	-
Vindhyachal V	-	-	-	-	500	3,100	4,804
Vindhyachal R & M	-	-	-	-	2,200	3,600	5,500
DADRI SOLAR	-	-	-	-	900	-	-
A&N SOLAR	-	-	-	-	-	-	-
RAMAGUNDAM SOLAR	-	-	-	-	-	-	-
TALCHER SOLAR	-	-	-	-	-	-	-
UNCHAHAHAR SOLAR	-	-	-	-	-	-	-
FARIDABAD SOLAR	-	-	-	-	-	-	-
RAJGARH SOLAR	-	-	-	-	-	-	-
Talaipali Coal Mine	-	-	-	-	-	-	4,900
CC	-	-	-	-	-	-	-
TOTAL	1,00,000	50,000	50,000	50,000	50,000	3,92,500	4,00,000

113

Year wise Statement of Additional Capitalisation

Name of the Petitioner : NTPC Ltd
 Name of the Generating Station : Koldam Hydro Electric Power Project
 Station COD : 18.07.2015
 For Financial Year : 2019-24
 (₹ Lakhs)

Name of the Petitioner : NTPC Ltd
 Name of the Generating Station : Koldam HPS (4x200 MW)
 Station COD : 18.07.2015

Sl No.	Description of Work/ Equipment Under Original Scope	Additional Capital Expenditure Claimed (Projected)					Total	Requisitions Under Which Claimed	Whether Change in Law, Original Scope, Beyond Original Scope	Justification (Proposed to be submitted to CERC)
		2019-20	2020-21	2021-22	2022-23	2023-24				
1	Private Land (Freehold)	300.00	200.00	200.00	-	700.00	25(1) with 76	Original Scope	364-56 Ha free hold land has been acquired under the provision of Land Acquisition Act 1894 and mutated in the name of NTPC. Subsequent to the reservoir impounding, there have been large scale landslides and destabilization of the geographical profile along the Koldam reservoir in both the banks of river Satluji in all the four districts. These landslides have gone beyond our acquisition boundary. Landowners, whose land has been damaged due to landslides need to be paid compensation. Accordingly, leftover land has been identified for which compensation has to be paid. This is an on going process and will take some more time to be completed. The Petitioner had approached Hon ble Commission for extension of cut off date in respect of this capitalisation. Hon ble Commission vide order dated 13.03.2019 in Petition no. 228/MP/2018 has allowed the petitioner to claim capitalization in respect of the proposed works as and when incurred.	
2	Land Acquisition Office Admin expenses	60.00	60.00	60.00	60.00	290.00	25(1) with 76	Original Scope	The private land for Koldam project has been acquired under the provisions of the Land Acquisition Act (1894) through the Land Acquisition Office at Bhisapur established by Govt. of HP and the expenses for this office are borne by NTPC as per Clause 2.2 of the agreement signed between Government of HP (GOHP), HPSEB and NTPC Ltd. on 26th Feb. 2000. Subsequent to the reservoir impounding, there have been reports of large scale landslides and destabilization of the geographical profile along the Koldam reservoir in both the banks of river Satluji in all the four Districts namely Bhisapur, Solan, Mandi and Shimla. Landowners whose land has gone beyond our acquisition boundary and various other facilities of the local people like pathways, roads etc. for crossing the river etc. have been affected. The local residents to be paid compensation for the land and property affected. In view of the above, the services of the land acquisition staff shall be required further. The Petitioner had approached Hon ble Commission for extension of cut off date in respect of this capitalisation. Hon ble Commission vide order dated 13.03.2019 in Petition no. 228/MP/2018 has allowed the petitioner to claim capitalization in respect of the proposed works as and when incurred.	
3	Land Reference Cases	700.00	1,100.00	900.00	400.00	3,600.00	25(1) with 76	Original Scope	NTPC has acquired private land for the construction of Koldam Project under the provisions of the Land Acquisition Act (1894) through the Land Acquisition Officer appointed by the Govt. of HP. Subsequent to the acquisition, the landowners moved the court for enhancement of compensation amount paid to them. The Dist. courts passed judgments in favour of the landowners and enhanced the rate of compensation. NTPC preferred appeals in the Honble High Court of HP wherein NTPC was directed to deposit the enhanced amount of compensation with the registry of the court. Accordingly, an amount of Rs. 14920.55 lakh has been deposited at High Court of HP. Further, in case, enhanced compensation is required to be paid to all such landowners in future then an estimated amount Rs.40 or kept for this purpose which shall be claimed in future upon capitalization.	
4	R&R Works	250.00	300.00	300.00	200.00	1,250.00	25(1) with 76	Original Scope	The Petitioner had approached Hon ble Commission for extension of cut off date in respect of this capitalisation. Hon ble Commission vide order dated 13.03.2019 in Petition no. 228/MP/2018 has allowed the petitioner to claim capitalization in respect of the proposed works as and when incurred. These works are related to the damages that have occurred to the pathways, cremation grounds, roads, houses, land, public & private property due to the rising of the water level in the reservoir because of the impounding of reservoir of Koldam HEP. It is still an on going process and will take few more years to complete. For the said work, Commission was issued an order dated 13.03.2019 in Petition no. 228/MP/2018. Honorable Commission vide order dated 13.03.2019 has allowed the petitioner to claim capitalization expenditure in respect of the proposed works as and when incurred in terms of the provisions of the 2019 Tariff Regulations and the same will be considered in accordance with law.	
5	Local Area Development Fund (LADF)	-	4,600.00	-	-	4,600.00	25(1) with 76	Original Scope	1.5% of the project cost is to be paid as Local Area Development Fund as per state Hydro Policy-2006. The amount will be deposited to Govt of HP after the finalisation of dates of payments and shall be claimed in future upon capitalization. The Petitioner had approached Hon ble Commission for extension of cut off date in respect of this capitalisation. Hon ble Commission vide order dated 13.03.2019 in Petition no. 228/MP/2018 has allowed the petitioner to claim capitalization in respect of the proposed works as and when incurred. Completion of balance works including new works for strengthening security by use of new technology of township is expected to be completed by Mar-2024. Further, MOP letter dated 23.10.2019 regarding strengthening of Cyber/ Computer and Physical security is also attached as Annexure C.	
6	Construction of Balance Quarters, misc. township works & other associated facilities at township	20.00	280.00	100.00	100.00	600.00	25(1) with 76	Original Scope	The Petitioner had approached Hon ble Commission for extension of cut off date in respect of this capitalisation. Hon ble Commission vide order dated 13.03.2019 in Petition no. 228/MP/2018 has allowed the petitioner to claim capitalization in respect of the proposed works as and when incurred. The work was being carried out by M/s. Sushil Infra. One of the vendors/Supplier of M/s. Sushil Infra approached NCLT for initiating Corporate Insolvency Resolution Process (CIRP). Subsequently, NCLT appointed Rajat Jain Insolvency Professional as Interim Resolution Professional for the said case. Therefore, the completion of balance works & mainly area development of the buildings got delayed and are expected to be completed by Mar-2022.	
7	Implementation of Buildings- Admin Building, CISF Barracks, Armory, Gate Complex, CISF B Type Quarters, Internal Roads/Pathways/Culvert, auditorium completion, visitor gallery etc	200.00	600.00	200.00	-	1,000.00	25(1) with 76	Original Scope	The Petitioner had approached Hon ble Commission for extension of cut off date in respect of this capitalisation. Hon ble Commission vide order dated 13.03.2019 in Petition no. 228/MP/2018 has allowed the petitioner to claim capitalization in respect of the proposed works as and when incurred.	
8	Plant Boundary Wall & Fencing	20.00	-	-	-	20.00	25(1) with 76	Original Scope	The balance/remaining works are expected to be completed by Mar-2020. The Petitioner had approached Hon ble Commission for extension of cut off date in respect of this capitalisation. Hon ble Commission vide order dated 13.03.2019 in Petition no. 228/MP/2018 has allowed the petitioner to claim capitalization in respect of the proposed works as and when incurred.	
9	Permanent water supply scheme	-	100.00	150.00	20.00	270.00	25(1) with 76	Original Scope	The Petitioner had approached Hon ble Commission for extension of cut off date in respect of this capitalisation. Hon ble Commission vide order dated 13.03.2019 in Petition no. 228/MP/2018 has allowed the petitioner to claim capitalization in respect of the proposed works as and when incurred. The work is expected to be completed by Mar-2023.	
10	Sewage system incl. sewage treatment plant at admin building site Harroira	-	20.00	-	-	20.00	25(1) with 76	Original Scope	The Petitioner had approached Hon ble Commission for extension of cut off date in respect of this capitalisation. Hon ble Commission vide order dated 13.03.2019 in Petition no. 228/MP/2018 has allowed the petitioner to claim capitalization in respect of the proposed works as and when incurred. The work is expected to be capitalized by 2020.	

Year wise Statement of Additional Capitalisation

Name of the Petitioner : NTPC Ltd
 Name of the Generating Station : Koldam Hydro Electric Power Project
 Station COD : 18.07.2015
 For Financial Year : 2019-24
 (₹ Lakhs)

Name of the Petitioner : NTPC Ltd
 Name of the Generating Station : Koldam HPS (4x200 MW)
 Station COD : 18.07.2015

Sl No.	Description of Work/ Equipment Under Original Scope	Additional Capital Expenditure Claimed (Projected)						Total	Requisitions Under Which Claimed	Whether Change in Law, Original Scope, Beyond Original Scope	Justification (Proposed to be submitted to CERC)
		2019-20	2020-21	2021-22	2022-23	2023-24					
1	Private Land (Freehold)	300.00	200.00	200.00	-	-	700.00	25(1) with 76	Original Scope	364.56 Ha free hold land has been acquired under the provision of Land Acquisition Act 1894 and mutated in the name of NTPC. Subsequent to the reservoir impounding, there have been large scale landslides and destabilization of the geographical profile along the Koldam reservoir in both the banks of river Saliu in all the four districts. These landslides have gone beyond our acquisition boundary. Landowners, whose land has been damaged due to landslides need to be paid compensation. Accordingly, leftover land has been identified for which compensation has to be paid. This is an on going process and will take some more time to be completed. The Petitioner had approached Honble Commission for extension of cut off date in respect of this capitalisation. Honble Commission vide order dated 13.03.2019 in Petition no. 228/MP/2018 has allowed the petitioner to claim capitalization in respect of the proposed works as and when incurred.	
2	Land Acquisition Office Admin expenses	60.00	60.00	60.00	60.00	50.00	290.00	25(1) with 76	Original Scope	The proposed project has been acquired under the provisions of the Land Acquisition Act (1894) through the Land Acquisition Officer, Bhopal. The expenses for the acquisition of the land are borne by NTPC as per Clause 2.2 of the agreement impounding. There have been large scale landslides and destabilization of the geographical profile along the Koldam reservoir in both the banks of river Saliu in all the four districts. These landslides have gone beyond our acquisition boundary and various other localities of the local people like pathways, Jhoolas (Ropeways for crossing the river) etc. have been affected. The local residents to be paid compensation for the land and property affected. In view of the above, the services of the land acquisition staff shall be required further. The Petitioner had approached Honble Commission for extension of cut off date in respect of this capitalisation. Honble Commission vide order dated 13.03.2019 in Petition no. 228/MP/2018 has allowed the petitioner to claim capitalization in respect of the proposed works as and when incurred.	
3	Land Reference Cases	700.00	1,100.00	900.00	400.00	500.00	3,600.00	25(1) with 76	Original Scope	NTPC has acquired private land for the construction of Koldam Project under the provisions of the Land Acquisition Act (1894) through the Land Acquisition Officer appointed by the Govt. of HP. Subsequent to the acquisition, the landowners moved the court for enhancement of compensation amount paid to them. The Dist. courts passed judgments in favour of the landowners and enhanced the rate of compensation. NTPC preferred appeals in the Honble High Court of HP wherein NTPC was directed to deposit the enhanced amount of compensation with the registry of the court. Accordingly, an amount of Rs 14920.55 lakh has been deposited at High Court of HP. Further, in case, enhanced compensation is required to be paid to all such landowners in future then an estimated amount Rs 40 cr kept for this purpose which shall be claimed in future upon capitalization. The Petitioner had approached Honble Commission for extension of cut off date in respect of this capitalisation. Honble Commission vide order dated 13.03.2019 in Petition no. 228/MP/2018 has allowed the petitioner to claim capitalization in respect of the proposed works as and when incurred.	
4	R&R Works	250.00	300.00	300.00	200.00	200.00	1,250.00	25(1) with 76	Original Scope	These works have been necessitated due to the damages that have occurred to the pathways, cremation grounds, roads, houses, land, public & private property due to the rising of the water level in the reservoir because of the impounding of reservoir of Koldam HEP. It is still an on going process and will take few more years to accomplish. For the said work Commission was approached for extension for cut off date for Koldam HEP through petition no. 228/MP/2018. Honorable Commission vide their order dated 13.03.2019 has allowed the petitioner to claim capitalization expenditure in respect of the proposed works as and when incurred in terms of the provisions of the 2019 Tariff Regulations and the same will be considered in accordance with law.	
5	Local Area Development Fund (LADF)	-	4,600.00	-	-	-	4,600.00	25(1) with 76	Original Scope	1.5% of the project cost is to be paid as Local Area Development Fund as per state Hydro-Policy, 2006. The amount will be deposited to Govt after the finalisation of dates of payments and shall be claimed in future upon capitalization. The Petitioner had approached Honble Commission for extension of cut off date in respect of this capitalisation. Honble Commission vide order dated 13.03.2019 in Petition no. 228/MP/2018 has allowed the petitioner to claim capitalization in respect of the proposed works as and when incurred.	
6	Construction of Balance Quarters, misc. township works & other associated facilities at township	20.00	280.00	100.00	100.00	100.00	600.00	25(1) with 76	Original Scope	Completion of balance works including new works for strengthening security by use of new technology of township is expected to be completed by Mar-2024. Further, MOP letter dated 23.10.2019 regarding strengthening of Cyber/ Computer and Physical security is also attached as Annexure-F. The Petitioner had approached Honble Commission for extension of cut off date in respect of this capitalisation. Honble Commission vide order dated 13.03.2019 in Petition no. 228/MP/2018 has allowed the petitioner to claim capitalization in respect of the proposed works as and when incurred.	
11	Restoration/ protection works & surfacing works. Main Setu to PWD road junction to bottom outlet on right bank. Construction of approach road to CISF main gate in front of FQA lab & peripheral road & other roads at Haroda	40.00	160.00	200.00	-	-	400.00	25(1) with 76	Original Scope	The work could not be completed due to various slides along the river bank. The work shall be completed alongwith the river protection works. For strengthening the security of the plant & alternate approach road, construction of the road on left & right side of river is expected to be completed by Mar. 2022. Further, HP State Pollution Control Board letter in this regard is attached as Annexure - A. The Petitioner had approached Honble Commission for extension of cut off date in respect of this capitalisation. Honble Commission vide order dated 13.03.2019 in Petition no. 228/MP/2018 has allowed the petitioner to claim capitalization in respect of the proposed works as and when incurred.	
12	Right bank Protection work of river sathlu from Main setu to Diversion tunnel	150.00	400.00	200.00	100.00	-	850.00	25(1) with 76	Original Scope	The Petitioner had approached Honble Commission for extension of cut off date in respect of this capitalisation. Honble Commission vide order dated 13.03.2019 in Petition no. 228/MP/2018 has allowed the petitioner to claim capitalization in respect of the proposed works as and when incurred. These balance/ remaining works are expected to be completed by Mar-2023. HP State Pollution Control Board letter in this regard is attached as Annexure - A.	
13	Construction of Retaining wall/ protection work along Left bank of River	100.00	100.00	100.00	-	-	300.00	25(1) with 76	Original Scope	The Petitioner had approached Honble Commission for extension of cut off date in respect of this capitalisation. Honble Commission vide order dated 13.03.2019 in Petition no. 228/MP/2018 has allowed the petitioner to claim capitalization in respect of the proposed works as and when incurred. These balance/ remaining works are expected to be completed by Mar-2022. HP State Pollution Control Board letter in this regard is attached as Annexure - A.	
14	Removal of Boulders from River to lower down the River/ Bed to avoid Head Loss	85.00	95.00	20.00	-	-	200.00	25(1) with 76	Original Scope	The Petitioner had approached Honble Commission for extension of cut off date in respect of this capitalisation. Honble Commission vide order dated 13.03.2019 in Petition no. 228/MP/2018 has allowed the petitioner to claim capitalization in respect of the proposed works as and when incurred. Due to the various slides from river banks, this work shall be carried out along with the river bank protection works. It will increase the safety & efficiency of the plant and is expected to be completed by Mar-2021.	

Year wise Statement of Additional Capitalisation

Name of the Petitioner : NTPC Ltd
 Name of the Generating Station : Koldam Hydro Electric Power Project
 Station COD : 18.07.2015
 For Financial Year : 2019-24
 (₹ Lakhs)

Name of the Petitioner : NTPC Ltd
 Name of the Generating Station : Koldam HPS (4X200 MW)
 Station COD : 18.07.2015

Sl No.	Description of Work/ Equipment	Additional Capital Expenditure Claimed (Projected)						Total	Regulations Under Which Claimed	Whether Change in Law, Original Scope, Beyond Original Scope	Justification (Proposed to be submitted to CERC)
		2019-20	2020-21	2021-22	2022-23	2023-24					
	Under Original Scope										
1	Private Land (Freehold)	300.00	200.00	200.00	-	-	700.00	25(1) with 76	Original Scope	364.56 Ha free hold land has been acquired under the provision of Land Acquisition Act, 1894 and mutated in the name of NTPC. Subsequent to the reservoir impounding, there have been large scale landslides and destabilization of the geographical profile along the Koldam Reservoir in both the banks of river Satluji in all the four districts. These landslides have gone beyond our acquisition boundary. Landowners, whose land has been damaged due to landslides need to be paid compensation. Accordingly, leftover land has been identified for which compensation has to be paid. This is an on going process and will take some more time to be completed. The Petitioner had approached Hon'ble Commission for extension of cut off date in respect of this capitalisation. Hon'ble Commission vide order dated 13.03.2019 in Petition no. 228/MPP/2018 has allowed the petitioner to claim capitalization in respect of the proposed works as and when incurred.	
2	Land Acquisition Office Admin expenses	60.00	60.00	60.00	60.00	50.00	290.00	25(1) with 76	Original Scope	The private land for Koldam project has been acquired under the provisions of the Land Acquisition Act (1894) through the Land Acquisition Officer at Bilaspur established by Govt. of HP and the expenses for this office are borne by NTPC as per Clause 2 of the agreement signed between Government of HP (GoHP), HPSEB and NTPC Ltd. on 26th Feb 2000. Subsequent to the reservoir impounding, there have been reports of large scale landslides and destabilization of the Reservoir. The landslides have gone beyond our acquisition boundary and various other facilities of the local people like pathways, toilets (Ropeways) for crossing the river etc. have been affected. The local residents to be paid compensation for the land and property affected. In view of the above, the services of the land acquisition staff shall be required further. The Petitioner had approached Hon'ble Commission for extension of cut off date in respect of this capitalisation. Hon'ble Commission vide order dated 13.03.2019 in Petition no. 228/MPP/2018 has allowed the petitioner to claim capitalization in respect of the proposed works as and when incurred.	
3	Land Reference Cases	700.00	1,100.00	900.00	400.00	500.00	3,600.00	25(1) with 76	Original Scope	NTPC has acquired private land for the construction of Koldam Project under the provisions of the Land Acquisition Act (1894) through the Land Acquisition Officer appointed by the Govt. of HP. Subsequent to the acquisition, the landowners moved the court for enhancement of compensation amount paid to them. The Dist. courts passed judgments in favour of the landowners and enhanced the rate of compensation. NTPC preferred appeals in the Hon'ble High Court of HP wherein NTPC was directed to deposit the enhanced amount of compensation with the registry of the court. Accordingly, an amount of Rs 14920.55 lakh has been deposited at High Court of HP. Further, in case, enhanced compensation is required to be paid to all such landowners in future then an estimated amount Rs. 40 or kept for this purpose which shall be claimed in future upon capitalization. The Petitioner had approached Hon'ble Commission for extension of cut off date in respect of this capitalisation. Hon'ble Commission vide order dated 13.03.2019 in Petition no. 228/MPP/2018 has allowed the petitioner to claim capitalization in respect of the proposed works as and when incurred.	
4	R&R Works	250.00	300.00	300.00	200.00	200.00	1,250.00	25(1) with 76	Original Scope	These works have been necessitated due to the damages that have occurred to the pathways, cremation grounds, roads, houses, land public & private property due to the rising of the water level in the reservoir because of the impounding of reservoir of Koldam HEP. It is still an on going process and will take few more years to accomplish. For the said work, Commission was approached for extension of cut off date for Koldam HEP through petition no. 228/MPP/2018. Honorable Commission vide their order dated 13.03.2019 has allowed the petitioner to claim capitalization expenditure in respect of the proposed works as and when incurred in terms of the provisions of the 2019 Tariff Regulations and the same will be considered in accordance with law.	
5	Local Area Development Fund (LADF)	-	4,600.00	-	-	-	4,600.00	25(1) with 76	Original Scope	1.5% of the project cost is to be paid as Local Area Development Fund as per state Hydro-Policy-2006. The amount will be deposited to GoHP after the finalisation of dates of payments and shall be claimed in future upon capitalization. The Petitioner had approached Hon'ble Commission for extension of cut off date in respect of this capitalisation. Hon'ble Commission vide order dated 13.03.2019 in Petition no. 228/MPP/2018 has allowed the petitioner to claim capitalization in respect of the proposed works as and when incurred.	
6	Construction of Balance Quarters, misc. township works & other associated facilities at township	20.00	280.00	100.00	100.00	100.00	600.00	25(1) with 76	Original Scope	Completion of balance works including new works for strengthening security by use of new technology of township is expected to be completed by Mar-2024. Further, MOP letter dated 23.10.2019 regarding strengthening of Cyber/ Computer and Physical security is also attached as Annexure-F.	
15	Additional Protection work in Plunge pool area	200.00	400.00	300.00	200.00	200.00	1,300.00	25(1) with 76	Original Scope	The Petitioner had approached Hon'ble Commission for extension of cut off date in respect of this capitalisation. Hon'ble Commission vide order dated 13.03.2019 in Petition no. 228/MPP/2018 has allowed the petitioner to claim capitalization in respect of the proposed works as and when incurred.	
16	Diversion Tunnel related Additional Works	-	800.00	100.00	100.00	-	900.00	25(1) with 76	Original Scope	For the safety of the Fly bucket, Plunge pool of Spawley, additional protection works are being identified and are expected to be completed by Mar-2024. Reports from Panel of Experts (POE) is attached at Annexure-B.	
17	Plant/ Intra related Misc works (Dam Misc. works)	-	300.00	300.00	100.00	200.00	900.00	25(1) with 76	Original Scope	The Petitioner had approached Hon'ble Commission for extension of cut off date in respect of this capitalisation. Hon'ble Commission vide order dated 13.03.2019 in Petition no. 228/MPP/2018 has allowed the petitioner to claim capitalization in respect of the proposed works as and when incurred. As per the consultant M/s EDF, France, the plugging of the diversion tunnel was envisaged after 5-10 years of plant operation. This plug is required to be constructed for safety of the structures and is expected to be completed by Mar-2023. Reports from EDE & Panel of Experts (POE) is attached at Annexure-B.	
18	MBOA Items	100.00	200.00	200.00	100.00	100.00	700.00	25(1) with 76	Original Scope	These balance remaining works are for the safety & security of plant, and these are expected to be completed by Mar-2024. Further, MOP letter dated 23.10.2019 regarding strengthening of Cyber/ Computer and Physical security is also attached as Annexure-F. The Petitioner had approached Hon'ble Commission for extension of cut off date in respect of this capitalisation. Hon'ble Commission vide order dated 13.03.2019 in Petition no. 228/MPP/2018 has allowed the petitioner to claim capitalization in respect of the proposed works as and when incurred.	
	Sub Total Original Scope	2,225.00	8,915.00	4,030.00	1,380.00	1,350.00	17,900.00				
	Work beyond original Scope and excluding Change in Law works										

Year wise Statement of Additional Capitalisation

Name of the Petitioner : NTPC Ltd
 Name of the Generating Station : Koldam Hydro Electric Power Project
 Station COD : 18.07.2015
 For Financial Year : 2019-24
 (₹ Lakh)

Name of the Petitioner : NTPC Ltd
 Name of the Generating Station : Koldam HPS (4x200 MW)
 COD : 18.07.2015

Sl No.	Description of Work/ Equipment	Additional Capital Expenditure Claimed (Projected)							Total	Requisitions Under Which Claimed	Whether Change in Law, Original Scope, Beyond Original Scope	Justification (Proposed to be submitted to CERC)
		2019-20	2020-21	2021-22	2022-23	2023-24	2024-25	2025-26				
1	Under Original Scope Private Land (Freehold)	300.00	200.00	200.00	-	-	-	700.00	25(1) with 76	Original Scope	364.56 Ha free hold land has been acquired under the provision of Land Acquisition Act 1894, and mutated in the name of NTPC. Subsequent to the reservoir impounding, there have been large scale landslides and destabilization of the geographical profile along the Koldam reservoir in both the banks of river Satluj in all the four districts. These landslides have gone beyond our acquisition boundary. Landowners, whose land has been damaged due to landslides need to be paid compensation. Accordingly, leftover land has been identified for which compensation has to be paid. This is an on going process and will take some more time to be completed. The Petitioner had approached Hon ble Commission for extension of cut off date in respect of this capitalisation. Hon ble Commission vide order dated 13.03.2019 in Petition no. 228/MP/2018 has allowed the petitioner to claim capitalization in respect of the proposed works as and when incurred.	
2	Land Acquisition Office Admin expenses	60.00	60.00	60.00	60.00	50.00	-	290.00	25(1) with 76	Original Scope	The private land for Koldam project has been acquired under the provisions of the Land Acquisition Act (1894) through the Land Acquisition Officer appointed by the Govt. of HP and the expenses for this office are borne by NTPC as per Clause 22 of the agreement between Government of HP (GOHP), JSEB and NTPC Ltd. on 28th Feb 2000. Subsequent to the reservoir impounding, there have been large scale landslides and destabilization of the geographical profile along the Koldam reservoir in both the banks of river Satluj in all the four districts namely Bhamo, Solan, Mandi and Shimla. These landslides have gone beyond our acquisition boundary and various other facilities of the local people like pathways, jhoolas (ropeways for crossing the river) etc. have been affected. The local residents to be paid compensation for the land and property affected. In view of the above, the services of the land acquisition staff shall be required further. The Petitioner had approached Hon ble Commission for extension of cut off date in respect of this capitalisation. Hon ble Commission vide order dated 13.03.2019 in Petition no. 228/MP/2018 has allowed the petitioner to claim capitalization in respect of the proposed works as and when incurred.	
3	Land Reference Cases	700.00	1,100.00	900.00	400.00	500.00	-	3,600.00	25(1) with 76	Original Scope	NTPC has acquired private land for the construction of Koldam Project under the provisions of the Land Acquisition Act (1894) through the Land Acquisition Officer appointed by the Govt. of HP. Subsequent to the acquisition, the landowners moved the court for enhancement of compensation amount paid to them. The Dist. courts passed judgments in favour of the landowners and enhanced the rate of compensation. NTPC preferred appeals in the Honble High Court of HP wherein NTPC was directed to deposit the enhanced amount of compensation with the registry of the court. Accordingly, an amount of Rs. 14920.55 lakh has been deposited at High Court of HP. Further, in case, enhanced compensation is required to be paid to all such landowners in future then an estimated amount Rs. 40 cr kept for this purpose which shall be claimed in future upon capitalization. The Petitioner had approached Hon ble Commission for extension of cut off date in respect of this capitalisation. Hon ble Commission vide order dated 13.03.2019 in Petition no. 228/MP/2018 has allowed the petitioner to claim capitalization in respect of the proposed works as and when incurred.	
4	R&R Works	250.00	300.00	300.00	200.00	200.00	-	1,250.00	25(1) with 76	Original Scope	These works have been necessitated due to the damages that have occurred to the pathways, cremation grounds, roads, houses, land, public & private property due to the rising of the water level in the reservoir because of the impounding of reservoir of Koldam HEPP. It is still an on going process and will take few more years to accomplish. For the said work Commission was approached for extension for cut off date for Koldam HEPP through petition no. 228/MP/2018. Honorable Commission vide their order dated 13.03.2019 has allowed the petitioner to claim capitalization expenditure in respect of the proposed works as and when incurred in terms of the provisions of the 2019 Tariff Regulations and the same will be considered in accordance with law.	
5	Local Area Development Fund (LADF)	-	4,600.00	-	-	-	-	4,600.00	25(1) with 76	Original Scope	1.5% of the project cost is to be paid as Local Area Development Fund as per state Hydro-Policy, 2006. The amount will be deposited to GovHP after the finalisation of dates of payments and shall be claimed in future upon capitalization. The Petitioner had approached Hon ble Commission for extension of cut off date in respect of this capitalisation. Hon ble Commission vide order dated 13.03.2019 in Petition no. 228/MP/2018 has allowed the petitioner to claim capitalization in respect of the proposed works as and when incurred.	
6	Construction of Balance Quarters, misc township works & other associated facilities at township	20.00	280.00	100.00	100.00	100.00	-	600.00	25(1) with 76	Original Scope	Completion of balance works including new works for strengthening security by use of new technology of township is expected to be completed by Mar-2024. Further, MOP letter dated 23.10.2019 regarding strengthening of Cyber/ Computer and Physical security is also attached as Annexure-F. The Petitioner had approached Hon ble Commission for extension of cut off date in respect of this capitalisation. Hon ble Commission vide order dated 13.03.2019 in Petition no. 228/MP/2018 has allowed the petitioner to claim capitalization in respect of the proposed works as and when incurred.	
19	Additional dewatering Pumps in Power House	-	175.00	-	-	-	-	175.00	26 (1) (d)	Beyond Original Scope	These works are towards need for higher security and safety of the plant as advised or directed by appropriate Indian Government instrumentality / statutory authorities responsible for national and internal security. These are also as per CEA recommendations towards measures to avoid flooding of HE stations. Further, MOP letter dated 23.10.2019 regarding strengthening of Cyber/ Computer and Physical security is also attached as Annexure-C.	
20	Integrated Security System related works and Civil works	-	1,800.00	400.00	-	-	-	2,200.00	26 (1) (d)	Beyond Original Scope	For enhancement & automation of security at power station, in view of consistent threat as per reports from external agencies, the Petitioner, in collaboration with Central Industrial Security Force(CISF), has prepared a comprehensive multilayer e-security system, to be installed in various power power stations across the country. This integrated security system (ISS) as proposed to be installed in the instant station during the tariff period 2019-24. It is also submitted that the e-security shall not only enhance the reliability of the security system, but it will also help rationalise the security manpower at the station. Hon ble Commission may be pleased to allow this work under Regulation-26 (1) (d). The communication in this regard with DG, CISF is attached at Annexure-D. Further, MOP letter dated 23.10.2019 regarding strengthening of Cyber/ Computer and Physical security is also attached as Annexure-F.	
21	Early warning, Fire Detection and alarm System	-	60.00	50.00	-	-	-	110.00	26 (1) (d)	Beyond Original Scope		
22	Closed CRT, TV camera	5.00	70.00	30.00	-	-	-	105.00	26 (1) (d)	Beyond Original Scope		
	Sub Total Work beyond original Scope and excluding Change in Law works	5.00	2,105.00	480.00	-	-	-	2,590.00				
	Work beyond original Scope and under Change in Law works											

Year wise Statement of Additional Capitalisation

Name of the Petitioner : NTPC Ltd
 Name of the Generating Station : Koldam Hydro Electric Power Project
 Station COD : 18.07.2015
 For Financial Year : 2019-24
 (₹ Lakhs)

Name of the Petitioner : NTPC Ltd
 Name of the Generating Station : Koldam HPS (4x200 MW)
 COD : 18.07.2015

Sl No.	Description of Work/ Equipment	Additional Capital Expenditure Claimed (Projected)					Total	Whether Change in Law, Original Scope, Beyond Original Scope	Justification (Proposed to be submitted to CERC)
		2019-20	2020-21	2021-22	2022-23	2023-24			
1	Under Original Scope Private Land (Freehold)	300.00	200.00	200.00	-	-	700.00	Original Scope	364.56 Ha free hold land has been acquired under the provision of Land Acquisition Act 1894 and marked in the name of NTPC. Subsequent to the reservoir impounding, there have been large scale landslides and destabilization of the geographical profile along the Koldam reservoir in both the banks of river Sufel in all the four districts. The landslides have gone beyond our acquisition boundary. Landslides, whose land has been damaged due to landslides, need to be paid compensation. Accordingly, leftover land has been identified for which compensation has to be paid. This is an on going process and will take some more time to be completed. Honble Commission for extension of cut off date in respect of this capitalisation. Honble Commission vide order dated 13.03.2019 in Petition no. 228/MP/2018 has allowed the petitioner to claim capitalization in respect of the proposed works as and when incurred.
2	Land Acquisition Office Admin expenses	60.00	60.00	60.00	60.00	50.00	290.00	Original Scope	The private land for Koldam project has been acquired under the provisions of the Land Acquisition Act (1894) through the Land Acquisition Office at Bilaspur established by Govt. of HP and the expenses for this office borne by NTPC as per Clause 2.2 of the agreement signed between Government of HP (GoHP), HPSEB and NTPC Ltd. on 26th Feb 2000. Subsequent to the reservoir impounding, there have been reports of large scale landslides and destabilization of the geographical profile along the Koldam reservoir in both the banks of river Sufel in all the four Districts namely Bilaspur, Solan, Mandi and Shimla. These landslides have gone beyond our acquisition boundary and various other facilities of the local people like pathways, jhoolas (Ropeways for crossing the river) etc. have been affected. The local residents to be paid compensation for the land and property affected in view of the above, the services of the land acquisition staff shall be required further. The Petitioner had approached Honble Commission for extension of cut off date in respect of this capitalisation. Honble Commission vide order dated 13.03.2019 in Petition no. 228/MP/2018 has allowed the petitioner to claim capitalization in respect of the proposed works as and when incurred.
3	Land Reference Cases	700.00	1,100.00	900.00	400.00	500.00	3,600.00	Original Scope	NTPC has acquired private land for the construction of Koldam Project under the provisions of the Land Acquisition Act (1894) through the Land Acquisition Officer appointed by the Govt. of HP. Subsequent to the acquisition, the petitioners moved the court for enhancement of compensation amount paid to them. The Dist. courts passed judgments in favour of the landowners and enhanced the rate of compensation. NTPC preferred appeals in the High Court of HP wherein NTPC was directed to deposit the enhanced amount of compensation in the bank of the court. Accordingly, an amount of Rs. 14,920.55 lakh has been deposited at High Court of HP. Further, the court has directed NTPC to pay the enhanced compensation as required to be paid to all such landowners in future then an estimated amount Rs. 40 or kept for this purpose which shall be claimed in future upon completion of the project.
4	R&R Works	250.00	300.00	300.00	200.00	200.00	1,250.00	Original Scope	The Petitioner had approached Honble Commission for extension of cut off date in respect of this capitalisation. Honble Commission vide order dated 13.03.2019 in Petition no. 228/MP/2018 has allowed the petitioner to claim capitalization in respect of the proposed works as and when incurred. These works have been necessitated due to the damages that have occurred to the pathways, cremation grounds, roads, houses, land, public & private property due to the rising of the water level in the reservoir because of the impounding of Koldam HEP. It is still an on going process and will take few more years to accomplish. For the said work Commission was approached for extension of cut off date for Koldam HEP through petition no. 228/MP/2018. Honorable Commission vide their order dated 13.03.2019 has allowed the petitioner to claim capitalization expenditure in respect of the proposed works as and when incurred in terms of the provisions of the 2019 Tariff Regulations and the same will be considered in accordance with law.
5	Local Area Development Fund (LADF)	-	4,600.00	-	-	-	4,600.00	Original Scope	15% of the project cost is to be paid as Local Area Development Fund as per state Hydro Policy 2006. The amount will be deposited to GoHP after the finalisation of dates of payments and shall be claimed in future for capitalization. The Petitioner had approached Honble Commission for extension of cut off date in respect of this capitalisation. Honble Commission vide order dated 13.03.2019 in Petition no. 228/MP/2018 has allowed the petitioner to claim capitalization in respect of the proposed works as and when incurred.
6	Construction of Balance Quarters, misc. township works & other associated facilities at township	20.00	280.00	100.00	100.00	100.00	600.00	Original Scope	Further, MOP letter dated 23.10.2019 regarding strengthening of Cyber Computer and Physical security is also attached as Annexure F. The Petitioner had approached Honble Commission for extension of cut off date in respect of this capitalisation. Honble Commission vide order dated 13.03.2019 in Petition no. 228/MP/2018 has allowed the petitioner to claim capitalization in respect of the proposed works as and when incurred.
23	Energy Conservation - LED lights	15.00	20.00	20.00	20.00	-	75.00	Beyond Original Scope	Honble Prime Minister of India on 05.01.2015 launched National LED Programme with an objective to reduce energy consumption by using energy efficient lighting. In line with the objective, Unnat Jyoti by Affordable LEDs for All (UJALA) and Street Lighting National Programme is being implemented by EESL. In this regard, through MOP, Govt. vide letter dated 02.08.2017 NTPC was mandated to replace old bulbs with LED bulbs in all NTPC buildings including compound street lighting occupied by NTPC (copy of the letter dated 02.08.2017 is enclosed as Annexure A). Any directions of Government of India is required to be implemented and has the force of Law. In order to comply with the directions of Govt. of India contained in the letter dated 02.08.2017, NTPC took the work of replacing the old in-efficient lights with efficient LED lighting in the premises of the station compound building owned and operated by NTPC. Accordingly, Honble Commission may be pleased to allow the said capitalization under change in law. The copy of above letters are attached at Annexure E.
24	Energy Conservation - Solar PV Plant	55.00	260.00	170.00	100.00	-	585.00	Beyond Original Scope	1000 KW solar Power Station is proposed to be installed. Honble Commission may please to approve capitalisation towards promotion of green power.
Sub Total Work beyond original Scope and under Change in Law works		70.00	280.00	190.00	120.00	-	660.00		
Total		2,300.00	11,300.00	4,700.00	1,500.00	1,350.00	21,150.00		

Year wise Statement of Additional Capitalisation

Name of the Petitioner : NTPC Ltd.
 Name of the Generating Station : Koldam Hydro Electric Power Project
 Station COD : 18.07.2015
 For Financial Year : 2019-24
 (₹ Lakhs)

Sl No.	Description of Work/ Equipment	Additional Capital Expenditure Claimed (Projected)					Total	Repetitions Under Which Claimed	Whether Change in Law, Original Scope, Beyond Original Scope	Justification (Proposed to be submitted to CERC)
		2019-20	2020-21	2021-22	2022-23	2023-24				
	Under Original Scope									
1	Private Land (Freehold)	300.00	200.00	200.00	-	-	700.00	25(1) with 76	Original Scope	364.56 Hq free hold land has been acquired under the provision of Land Acquisition Act 1894 and mutated in the name of NTPC. Subsequent to the reservoir impounding, there have been large scale landslides and destabilization of the geographical profile along the Koldam reservoir in both the banks of river Satluj in all the four districts. These landslides have gone beyond our acquisition boundary. Landowners, whose land has been damaged due to landslides need to be paid compensation. Accordingly, leftover land has been identified for which compensation has to be paid. This is an on going process and will take some more time to be completed. The Petitioner had approached Hon'ble Commission for extension of cut off date in respect of this capitalisation. Hon'ble Commission vide order dated 13.03.2019 in Petition no. 228/MP/2018 has allowed the petitioner to claim capitalization in respect of the proposed works as and when incurred.
2	Land Acquisition Office Admin expenses	60.00	60.00	60.00	60.00	50.00	290.00	25(1) with 76	Original Scope	The private land for Koldam project has been acquired under the provisions of the Land Acquisition Act (1894) through the Land Acquisition Officer appointed by Govt. of HP and the expenses for this office are borne by NTPC as per Clause 2.2 of the agreement signed between Government of HP (GoHP), HPSEB and NTPC Ltd. on 26th Feb 2000. Subsequent to the reservoir impounding, there have been reports of large scale landslides and destabilization of the geographical profile along the Koldam reservoir in both the banks of river Satluj in all the four Districts namely Bilsapur, Solan, Mandi and Shimla. These landslides have gone beyond our acquisition boundary and various other facilities of the local people like pathways, jhoolas (ropeways for crossing the river) etc. have been affected. The local residents to be paid compensation for the land and property affected. In view of the above, the services of the land acquisition staff shall be required further. The Petitioner had approached Hon'ble Commission for extension of cut off date in respect of this capitalisation. Hon'ble Commission vide order dated 13.03.2019 in Petition no. 228/MP/2018 has allowed the petitioner to claim capitalization in respect of the proposed works as and when incurred.
3	Land Reference Cases	700.00	1,100.00	900.00	400.00	500.00	3,600.00	25(1) with 76	Original Scope	NTPC has acquired private land for the construction of Koldam Project under the provisions of the Land Acquisition Act (1894) through the Land Acquisition Officer appointed by the Govt. of HP. Subsequent to the acquisition, the landowners moved the court for enhancement of compensation amount paid to them. The Dist. courts passed judgments in favor of the landowners and enhanced the rate of compensation. NTPC preferred appeals in the Hon'ble High Court of HP where NTPC was directed to deposit the enhanced amount of compensation with the registry of the court. Accordingly, an amount of Rs. 14,20,55 lakh has been deposited at High Court of HP. Further, in case, enhanced compensation is required to be paid to all such landowners in future then an estimated amount Rs.49 or kept for this purpose which shall be claimed in future upon capitalization. The Petitioner had approached Hon'ble Commission for extension of cut off date in respect of this capitalisation. Hon'ble Commission vide order dated 13.03.2019 in Petition no. 228/MP/2018 has allowed the petitioner to claim capitalization in respect of the proposed works as and when incurred. These works have been necessitated due to the damages that have occurred to the pathways, cremation grounds, roads, houses, land, public & private property due to the raising of the water level in the reservoir because of the impounding of reservoir of Koldam HEP. It is still an on going process and will take few more years to accomplish. For the said work, Commission was approached for extension of cut off date for Koldam HEP through petition no. 228/MP/2018. Honorable Commission vide their order dated 13.03.2019 has allowed the petitioner to claim capitalization expenditure in respect of the proposed works as and when incurred in terms of the provisions of the 2019 Tariff Regulations and this same will be claimed in future upon capitalization.
4	R&R Works	250.00	300.00	300.00	200.00	200.00	1,250.00	25(1) with 76	Original Scope	13% of the total cost of the project is to be paid as Local Area Development Fund as per state Hydro-Policy -2006. The amount will be deposited at GoHP after the finalisation of dates of payments and shall be claimed in future upon capitalization. The Petitioner had approached Hon'ble Commission for extension of cut off date in respect of this capitalisation. Hon'ble Commission vide order dated 13.03.2019 in Petition no. 228/MP/2018 has allowed the petitioner to claim capitalization in respect of the proposed works as and when incurred.
5	Local Area Development Fund (LADF)	-	4,600.00	-	-	-	4,600.00	25(1) with 76	Original Scope	Completion of balance works including new works for strengthening security by use of new technology of township is expected to be completed by Mar-2024. Further, MOP letter dated 23.10.2019 regarding strengthening of Cyber Computer and Physical security is also attached as Annexure-F.
6	Construction of Balance Quarters, misc township works & other associated facilities at township	20.00	280.00	100.00	100.00	100.00	600.00	25(1) with 76	Original Scope	The Petitioner had approached Hon'ble Commission for extension of cut off date in respect of this capitalisation. Hon'ble Commission vide order dated 13.03.2019 in Petition no. 228/MP/2018 has allowed the petitioner to claim capitalization in respect of the proposed works as and when incurred.

PETITIONER

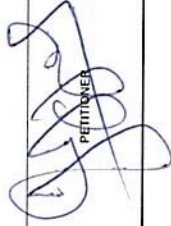

Year wise Statement of Additional Capitalisation

Name of the Petitioner : NTPC Ltd.
 Name of the Generating Station : Koidam HPS (4x200 MW)
 COD : 16.07.2015
 FY : 2019-20

Sl No.	Description of Work/ Equipment	Additional Capital Expenditure Claimed (Projected)		Regulations Under Which Claimed	Whether Change in Law, Original Scope, Beyond Original Scope	(Rs. Lakhs)
		Actual Basis as per RAMP	Un-disbursed Liability included in col. 3			
1	Private Land (Freehold)	300.00	300.00	25(1) with 76	Original Scope	364.56 Ha free hold land has been acquired under the provision of Land Acquisition Act 1894 and mutated in the name of NTPC. Subsequent to the reservoir impounding, there have been large scale landslides and destabilization of the geographical profile along the Koidam reservoir in both the banks of river Satali in all the four districts. These landslides have gone beyond acquisition boundary. Landowners, whose land has been damaged due to landslides need to be paid compensation. Accordingly, leftover land has been identified for which compensation has to be paid. This is an on going process and will take some more time to be completed. The Petitioner had approached Hon'ble Commission for extension of cut off date in respect of this capitalisation. Hon'ble Commission vide order dated 13.03.2019 in Petition no. 228/MP/2018 has allowed the petitioner to claim capitalization in respect of the proposed works as and when incurred.
2	Land Acquisition Office Admin expenses	60.00	60.00	25(1) with 76	Original Scope	The private land for Koidam project has been acquired under the provisions of the Land Acquisition Act (1894) through the Land Acquisition Officer at Blasapur established by Govt. of HP and the expenses for this office are borne by NTPC as per Clause 2 of the agreement signed between Government of HP (GoHP), HPSEB and NTPC Ltd. on 26th Feb 2000. Subsequent to the reservoir impounding, there have been reports of large scale landslides and destabilization of the geographical profile along the Koidam reservoir in both the banks of river Satali in all the four districts namely Blasapur, Solan, Mandi and Shimla. These landslides have gone beyond our acquisition boundary and various other facilities of the local people like public roads (Highways) for crossing the river etc. have been affected. The local residents to be paid compensation for the land and property affected. In view of the above, the Hon'ble Commission for extension of cut off date in respect of this capitalisation. Hon'ble Commission vide order dated 13.03.2019 in Petition no. 228/MP/2018 has allowed the petitioner to claim capitalization in respect of the proposed works as and when incurred.
3	Land Reference Cases	800.00	100.00	25(1) with 76	Original Scope	NTPC has acquired private land for the construction of Koidam Project under the provisions of the Land Acquisition Act (1894) through the Land Acquisition Officer appointed by the Govt. of HP. Subsequent to the acquisition, the landowners moved the court for enhancement of compensation amount paid to them. The Dist. courts passed judgments in favour of the landowners and enhanced the rate of compensation. NTPC preferred appeals in the Hon'ble High Court of HP wherein NTPC was directed to deposit the enhanced amount of compensation with the registry of the court. Accordingly, an amount of Rs. 14920.55 lakh has been deposited at High Court of HP. Further, in case, enhanced compensation as required to be paid to all such landowners in future then an estimated amount Rs.40 or kept for this purpose which shall be claimed in future upon capitalization.
4	R&R Works	300.00	50.00	25(1) with 76	Original Scope	The Petitioner had approached Hon'ble Commission for extension of cut off date in respect of this capitalisation. Hon'ble Commission vide order dated 13.03.2019 in Petition no. 228/MP/2018 has allowed the petitioner to claim capitalization in respect of the proposed works as and when incurred. These works have been necessitated due to the damages that have occurred to the pathways, cremation grounds, roads, houses, land, public & private property due to the rising of the water level in the reservoir because of the impounding of Koidam HEP. It is still an on going process and will take few more years to accomplish. For the said purpose, the Hon'ble Commission was approached for extension of cut off date for Koidam HEP through petition no. 228/MP/2018. Honorable Commission vide their order dated 13.03.2019 has allowed the petitioner to claim capitalization expenditure in respect of the proposed works as and when incurred in terms of the provisions of the 2019 Tariff Regulations and the same will be considered in accordance with the provisions of the 2019 Tariff Regulations.
5	Local Area Development Fund (LADF)	-	-	25(1) with 76	Original Scope	1.5% of the project cost is to be paid as Local Area Development Fund as per state Hydro Policy, 2006. The amount will be deposited to GoHP after the finalisation of dates of payments and shall be claimed in future upon capitalization. The Petitioner had approached Hon'ble Commission for extension of cut off date in respect of this capitalisation. Hon'ble Commission vide order dated 13.03.2019 in Petition no. 228/MP/2018 has allowed the petitioner to claim capitalization in respect of the proposed works as and when incurred.
6	Construction of Balance Quarters, misc. township works & other associated facilities at township	20.00	20.00	25(1) with 76	Original Scope	Completion of balance works including new works for strengthening security by use of new technology of township is expected to be completed by Mar-2024. Further, MOP letter dated 23.10.2019 regarding strengthening of Cyber/ Computer and Physical security is also attached as Annexure C.
7	Implementation of Buildings Admin Building, CISF Barracks, Armory, Gate Complex, CISF B.T. Type Quarters, Internal Roads/Pathways/Culvert, auditorium completion, visitor gallery etc.	200.00	200.00	25(1) with 76	Original Scope	The Petitioner had approached Hon'ble Commission for extension of cut off date in respect of this capitalisation. Hon'ble Commission vide order dated 13.03.2019 in Petition no. 228/MP/2018 has allowed the petitioner to claim capitalization in respect of the proposed works as and when incurred.
8	Plant Boundary Wall & Fencing	20.00	20.00	25(1) with 76	Original Scope	The balance/remaining works are expected to be completed by Mar-2020. The Petitioner had approached Hon'ble Commission for extension of cut off date in respect of this capitalisation. Hon'ble Commission vide order dated 13.03.2019 in Petition no. 228/MP/2018 has allowed the petitioner to claim capitalization in respect of the proposed works as and when incurred.
11	Restoration/ protection works & surfacing works. Main Setu to FWD road junction to bottom outlet on right bank. Construction of approach road to CISF main gate in front of FQA lab & peripheral road & other roads at Harmoda	40.00	40.00	25(1) with 76	Original Scope	The work could not be completed due to various slides along the river bank. The work shall be completed alongwith the river protection works. For strengthening the security of the plant & alternate approach road, construction of the road on left & right side of river is expected to be completed by Mar, 2022. Further, HP State Pollution Control Board letter in this regard is attached as Annexure - A.
12	Right bank Protection work of river satali from Main setu to Diversion turner	200.00	50.00	25(1) with 76	Original Scope	The Petitioner had approached Hon'ble Commission for extension of cut off date in respect of this capitalisation. Hon'ble Commission vide order dated 13.03.2019 in Petition no. 228/MP/2018 has allowed the petitioner to claim capitalization in respect of the proposed works as and when incurred. These balance/remaining works are expected to be completed by Mar-2023. HP State Pollution Control Board letter in this regard is attached as Annexure - A.

120

13	Construction of Retaining wall/ protection work along Left bank of River	100.00	-	100.00	25(1) with 76	Original Scope	The Petitioner had approached Honble Commission for extension of cut off date in respect of this capitalization. Honble Commission vide order dated 13.03.2019 in Petition no. 228/MP/2018 has allowed the petitioner to claim capitalization in respect of the proposed works as and when incurred. These balances (revenue) are expected to be completed by Mar-2022. HP State Pollution Control Board letter in this regard is attached as Annexure-A. Honble Commission vide order dated 13.03.2019 in Petition no. 228/MP/2018 has allowed the petitioner to claim capitalization in respect of the proposed works as and when incurred.
14	Removal of Boulders from River to lower down the River Bed to avoid Head Loss	85.00	-	85.00	25(1) with 76	Original Scope	The Petitioner had approached Honble Commission for extension of cut off date in respect of this capitalization. Honble Commission vide order dated 13.03.2019 in Petition no. 228/MP/2018 has allowed the petitioner to claim capitalization in respect of the proposed works as and when incurred. Due to the various slides from river banks, this work shall be carried out along with the river bank protection works. It will increase the safety & efficiency of the dam and is expected to be completed by Mar-2021.
15	Additional Protection work in Plunge pool area	200.00	-	200.00	25(1) with 76	Original Scope	The Petitioner had approached Honble Commission for extension of cut off date in respect of this capitalization. Honble Commission vide order dated 13.03.2019 in Petition no. 228/MP/2018 has allowed the petitioner to claim capitalization in respect of the proposed works as and when incurred. For the safety of the Flip bucket, Plunge pool of Spillway, additional protection works are being identified and are expected to be completed by Mar-2022. Reports from Panel of Experts (POE) is attached at Annexure-B.
18	MBOA Items	100.00	-	100.00	25(1) with 76	Original Scope	These MBOA items are required for furnishing various completed buildings. The Petitioner had approached Honble Commission for extension of cut off date in respect of this capitalization. Honble Commission vide order dated 13.03.2019 in Petition no. 228/MP/2018 has allowed the petitioner to claim capitalization in respect of the proposed works as and when incurred.
19	Additional dewatering Pumps in Power House	-	-	-	26 (1) (d)	Beyond Original Scope	These works are towards Need for higher security and safety of the plant as advised or directed by appropriate Indian Government instrumentally / statutory authorities responsible for national and internal security. These are also as per CEA recommendations towards measures to avoid flooding of HE stations. Further, MOP letter dated 23.10.2019 regarding strengthening of Cyber/Computer and Physical Security is also attached as Annexure-C.
20	Integrated Security System related works and Civil works	-	-	-	26 (1) (d)	Beyond Original Scope	For enhancement & automation of security at power station, in view of consistent threat as per reports from external agencies, the Petitioner, in collaboration with Central Industrial Security Force (CISF), has prepared a comprehensive multilayer e-security system, to be installed in various power power stations across the country. This integrated security system (ISS) is proposed to be installed in the instant station during the tariff period 2019-24. It is also submitted that the e-security shall not only enhance the reliability of the security system, but it will also help rationalise the security manpower at the station. Honble Commission may be pleased to allow this work under Regulation- 26 (1) (d). The communication in this regard with DG, CISF is attached at Annexure-D. Further, MOP letter dated 23.10.2019 regarding strengthening of Cyber/ Computer and Physical Security is also attached.
21	Early warning, Fire Detection and alarm System	-	-	-	26 (1) (d)	Beyond Original Scope	Honble Prime Minister of India on 05.01.2019 launched National LED Programme with an objective to reduce energy consumption by using energy efficient lighting. In line with the objective, Unnat Jyot by Affordable LEDs for All (UJALA) and Street Lighting National Programme is being implemented by EESSL. In this regard, through MOP, GoI vide letter dated 02.08.2017 NTPC was mandated to replace all old bulbs with LED bulbs in all NTPC buildings including compound street lighting occupied by NTPC (copy of the letter dated 02.08.2017 is enclosed as Annexure A). Any directions of Government of India is required to implemented and has the force of Law. In order to comply with the directions of Govt. of India contained in the letter dated 02.08.2017, NTPC took the work of replacing the old in-efficient lights with efficient LED lighting in the premises of the station compound/ building owned and operated by NTPC. Accordingly, Honble Commission may be pleased to allow the said capitalization under change in law. The copy of above letters are attached at Annexure-E.
22	Closed CRT TV camera	5.00	-	5.00	26 (1) (d)	Beyond Original Scope	1000 KW solar Power Station is proposed to installed. Honble commission may please to approve capitalisation towards promotion of green power.
23	Energy Conservation - LED lights	15.00	-	15.00	26 (1) (b)	Beyond Original Scope	
24	Energy Conservation - Solar PV Plant	55.00	-	55.00	26 (1) (b)	Beyond Original Scope	
Total		2,500.00	200.00	2,300.00			


 PETITIONER

Year-wise Statement of Additional Capitalisation

Name of the Petitioner : NTPC Ltd.
 Name of the Generating Station : Koldam HPS (4X200 MW)
 COD : 18.07.2015
 FY : 2020-21

Sl No.	Description of Work/ Equipment	Actual basis as per R/AAIP	Un-discharged liability included in cost	Cash basis	ILK included in col. 3	Regulations Under Which Claimed	Whether Change in Law, Original Scope, Beyond Original Scope	Justification (Proposed to be submitted to CERC)	(Rs. Lakhs)
1	Private Land (Freehold)	200.00	-	200.00	-	25(1) with 76	Original Scope	364.56 Ha free hold land has been acquired under the provision of Land Acquisition Act 1894 and mutated in the name of NTPC. Subsequent to the reservoir impounding, there have been large scale landslides and destabilization of the geographical profile along the Koldam reservoir in both the banks of river Satuj in all the four districts. These landslides have gone beyond our acquisition boundary. Landowners, whose land has been damaged due to landslides need to be paid compensation. Accordingly, leftover land has been identified for which compensation has to be paid. This is an on going process and will take some more time to be completed. The Petitioner had approached Hon'ble Commission for extension of cut off date in respect of this capitalisation. Hon'ble Commission vide order dated 13.03.2019 in Petition no. 228/MP/2018 has allowed the petitioner to claim capitalization in respect of the proposed works as and when incurred.	
2	Land Acquisition Office Admin expenses	60.00	-	60.00	-	25(1) with 76	Original Scope	The private land for Koldam Project has been acquired under the provisions of the Land Acquisition Act (1894) through the Land Acquisition Officer appointed by the Govt. of HP and the expenses for this office are borne by NTPC as per Clause 2.2 of the agreement signed between Government of HP (GoHP), HPSEB and NTPC Ltd. on 26th Feb 2000. Subsequent to the reservoir impounding, there have been reports of large scale landslides and destabilization of the geographical profile along the Koldam reservoir in both the banks of river Satuj in all the four Districts namely Bhaspur, Solan, Mandi and Shimla. These landslides have gone beyond our acquisition boundary and various other facilities of the local people like pathways, Jhoolias (Ropeways for crossing the river) etc. have been affected. The local residents to be paid compensation for the land and property affected. In view of the above, the services of the land acquisition staff shall be required further. The Petitioner had approached Hon'ble Commission for extension of cut off date in respect of this capitalisation. Hon'ble Commission vide order dated 13.03.2019 in Petition no. 228/MP/2018 has allowed the petitioner to claim capitalization in respect of the proposed works as and when incurred.	
3	Land Reference Cases	1,200.00	100.00	1,100.00	-	25(1) with 76	Original Scope	NTPC has acquired private land for the construction of Koldam Project under the provisions of the Land Acquisition Act (1894) through the Land Acquisition Officer appointed by the Govt. of HP. Subsequent to the acquisition, the petitioner moved the court for enhanced rate of compensation amount paid to them. The Distt. courts passed judgments in favour of the landowners and enhanced the rate of compensation. NTPC preferred appeals in the Hon'ble High Court of HP wherein NTPC has been ordered to deposit the enhanced amount of compensation with the registry of the court. Accordingly, an amount of Rs. 14,920.55 lakh has been deposited at High Court of HP. Further, in case, enhanced compensation is required to be paid to all such landowners in future then an estimated amount Rs.40 cr kept for this purpose which shall be claimed in future upon capitalization. The Petitioner had approached Hon'ble Commission for extension of cut off date in respect of this capitalisation. Hon'ble Commission vide order dated 13.03.2019 in Petition no. 228/MP/2018 has allowed the petitioner to claim capitalization in respect of the proposed works as and when incurred.	
4	R&R Works	300.00	-	300.00	-	25(1) with 76	Original Scope	These works have been necessitated due to the damages that have occurred to the pathways, cremation grounds, roads, houses, land, public & private property due to the rising of the water level in the reservoir because of the impounding of reservoir of Koldam HEP. It is still an on going process and will take few more years to accomplish. Further, the road work Commission was approached for extension for cut off date for Koldam HEP through petition no. 228/MP/2018. Hon'ble Commission vide their order dated 13.03.2019 has allowed the petitioner to claim capitalization in respect of the proposed works as and when incurred in terms of the provisions of the 2019 'Tariff Regulations and the amount of Rs. 15.00 crore to be provided to the petitioner.	
5	Local Area Development Fund (LADF)	5,000.00	400.00	4,600.00	-	25(1) with 76	Original Scope	1.5% of the project cost is to be provided to the Local Area Development Fund as per state Hydro-Policy-2006. The amount will be deposited to GoHP after the finalisation of state of HP terms and conditions and will be claimed in future upon capitalization. The Petitioner had approached Hon'ble Commission for extension of cut off date in respect of this capitalisation. Hon'ble Commission vide order dated 13.03.2019 in Petition no. 228/MP/2018 has allowed the petitioner to claim capitalization in respect of the proposed works as and when incurred.	
6	Construction of Balance Quarters, misc. township works & other associated facilities at township	280.00	-	280.00	-	25(1) with 76	Original Scope	Completion of balance works including new works for strengthening security by use of new technology of township is expected to be completed by Mar-2024. Further, MOP letter dated 23-10-2019 regarding strengthening of Cyber/ Computer and Physical security is also attached as Annexure C.	
7	Implementation of Buildings, Admin Building, CISF Barracks, Army, Canteen complex, CISF B Type Quarters, Internal Roads, Pathways, Culvert, auditorium completion, visitor gallery etc	600.00	-	600.00	-	25(1) with 76	Original Scope	The Petitioner had approached Hon'ble Commission for extension of cut off date in respect of this capitalisation. Hon'ble Commission vide order dated 13.03.2019 in Petition no. 228/MP/2018 has allowed the petitioner to claim capitalization in respect of the proposed works as and when incurred.	
9	Permanent water supply scheme	100.00	-	100.00	-	25(1) with 76	Original Scope	The Petitioner had approached Hon'ble Commission for extension of cut off date in respect of this capitalisation. Hon'ble Commission vide order dated 13.03.2019 in Petition no. 228/MP/2018 has allowed the petitioner to claim capitalization in respect of the proposed works as and when incurred. The work is expected to be completed by Mar-2023.	
10	Sewage system incl sewage treatment plant at admin building site Harpora	20.00	-	20.00	-	25(1) with 76	Original Scope	The Petitioner had approached Hon'ble Commission for extension of cut off date in respect of this capitalisation. Hon'ble Commission vide order dated 13.03.2019 in Petition no. 228/MP/2018 has allowed the petitioner to claim capitalization in respect of the proposed works as and when incurred. The work is expected to be completed by 2020.	
11	Restoration/ protection works & surfacing works Main Setu to PWD road junction to bottom outlet on right bank. Construction of approach road to CISF main gate in front of FOA lab & peripheral road & other roads at Harpora	160.00	-	160.00	-	25(1) with 76	Original Scope	The work could not be completed due to various slides along the river bank. The work shall be completed alongwith the river protection works. For strengthening the security of the plant & alternate approach road, construction of the road on left & right side of river is expected to be completed by Mar. 2022. Further, HP State Pollution Control Board letter in this regard is attached as Annexure - A. The Petitioner had approached Hon'ble Commission for extension of cut off date in respect of this capitalisation. Hon'ble Commission vide order dated 13.03.2019 in Petition no. 228/MP/2018 has allowed the petitioner to claim capitalization in respect of the proposed works as and when incurred.	

12	Right bank Protection work of river bafly from Main setu to Diversion tunnel	400.00	-	400.00	-	25(1) with 76	Original Scope	The Petitioner had approached Honble Commission for extension of cut off date in respect of this capitalization. Honble Commission vide order dated 13.03.2019 in Petition no. 228MP/2018 has allowed the petitioner to claim capitalization in respect of the proposed works as and when incurred. These balance/remaining works are expected to be completed by Mar-2023. HP State Pollution Control Board letter in this regard is attached as Annexure - A.
13	Construction of Retaining wall/ protection work along Left bank of River	100.00	-	100.00	-	25(1) with 76	Original Scope	The Petitioner had approached Honble Commission for extension of cut off date in respect of this capitalization. Honble Commission vide order dated 13.03.2019 in Petition no. 228MP/2018 has allowed the petitioner to claim capitalization in respect of the proposed works as and when incurred. These balance/remaining works are expected to be completed by Mar-2023. HP State Pollution Control Board letter in this regard is attached as Annexure - A.
14	Removal of Boulders from River to lower down the River Bed to avoid Head Loss	95.00	-	95.00	-	25(1) with 76	Original Scope	The Petitioner had approached Honble Commission for extension of cut off date in respect of this capitalization. Honble Commission vide order dated 13.03.2019 in Petition no. 228MP/2018 has allowed the petitioner to claim capitalization in respect of the proposed works as and when incurred. Due to the various slides from river banks, this work shall be carried out along with the river bank protection works. It will increase the safety & efficiency of the plant and is expected to be completed by Mar-2021.
15	Additional Protection work in Plunge pool area	400.00	-	400.00	-	25(1) with 76	Original Scope	The Petitioner had approached Honble Commission for extension of cut off date in respect of this capitalization. Honble Commission vide order dated 13.03.2019 in Petition no. 228MP/2018 has allowed the petitioner to claim capitalization in respect of the proposed works as and when incurred. For the safety of the Flip bucket, Plunge pool of Spillway, additional protection works are being identified and are expected to be completed by Mar-2023. Reports from Panel of Experts (POE) is attached at Annexure-B.
17	Plant/ infra related Misc works (Dam-Misc works)	300.00	-	300.00	-	25(1) with 76	Original Scope	These balance/remaining works are for the safety & security of plant, and these are expected to be completed by Mar-2024. Further, MOP letter dated 23.10.2019 regarding strengthening of Cyber Computer and Physical security is also attached as Annexure-F. The Petitioner had approached Honble Commission for extension of cut off date in respect of this capitalization. Honble Commission vide order dated 13.03.2019 in Petition no. 228MP/2018 has allowed the petitioner to claim capitalization in respect of the proposed works as and when incurred.
18	MBOA items	200.00	-	200.00	-	25(1) with 76	Original Scope	These MBOA items are required for furnishing various completed buildings. The Petitioner had approached Honble Commission for extension of cut off date in respect of this capitalization. Honble Commission vide order dated 13.03.2019 in Petition no. 228MP/2018 has allowed the petitioner to claim capitalization in respect of the proposed works as and when incurred.
19	Additional dewatering Pumps in Power House	175.00	-	175.00	-	26 (1) (d)	Beyond Original Scope	These works are towards need for higher security and safety of the plant as advised or directed by appropriate Indian Government instrumentality/statutory authorities responsible for national and internal security. These are also as per CEA recommendations towards measures to avoid flooding of HE stations. Further, MOP letter dated 23.10.2019 regarding strengthening of Cyber/Computer and Physical security is also attached as Annexure-C.
20	Integrated Security System related works incl Civil works	1,800.00	-	1,800.00	-	26 (1) (d)	Beyond Original Scope	For enhancement & automation of security at power station, in view of consistent threat as per reports from external agencies, the Petitioner, in collaboration with Central Industrial Security Force(CISF), has prepared a comprehensive multilayer e-security system, to be installed in various power stations across the country. This integrated security system (ISS) is proposed to be installed in the instant station during the tariff period 2019-24. It is also submitted that the e-security shall not only enhance the reliability of the security system, but it will also help rationalise the security manpower at the station. Honble Commission may be pleased to allow this work under Regulation- 26 (1) (d). The communication in this regard with DG, CISF is attached at Annexure-D. Further, MOP letter dated 23.10.2019 regarding strengthening of Cyber/ Computer and Physical security is also attached as Annexure-E.
21	Early warning, Fire Detection and alarm System	60.00	-	60.00	-	26 (1) (d)	Beyond Original Scope	
22	Closed CRT TV camera	70.00	-	70.00	-	26 (1) (d)	Beyond Original Scope	
23	Energy Conservation - LED lights	20.00	-	20.00	-	26 (1) (b)	Beyond Original Scope	Honble Prime Minister of India on 05.01.2015 launched National LED Programme with an objective to reduce energy consumption by using energy efficient lighting. In line with the objective, Umat Jyoti by Affordable LEDs for All (UJALA) and Street Lighting National Programme is being implemented by EESL. In this regard, through MOP, GoI vide letter dated 02.08.2017 NTPC was mandated to replace all old bulbs with LED bulbs in all NTPC buildings including compound street lighting occupied by NTPC (copy of the letter dated 02.08.2017 is enclosed as Annexure A). Any directions of Government of India as required to be implemented and has the force of Law. In order to comply with the directions of Govt. of India contained in the letter dated 02.08.2017, NTPC took the work of replacing the old inefficient lights with efficient LED lighting in the premises of the station compound building owned and operated by NTPC. Accordingly, Honble Commission may be pleased to allow the said capitalization under change in law. The copy of above letters are attached at Annexure-E.
24	Energy Conservation - Solar PV Plant	260.00	-	260.00	-	26 (1) (b)	Beyond Original Scope	1000 KW solar Power Station is proposed to be installed. Honble Commission may please to approve capitalization towards promotion of green power.
Total		11,600.00	500.00	11,300.00				


 PETHONER

Year wise Statement of Additional Capitalisation

Name of the Petitioner : NTPC Ltd
 Name of the Generating Station : Koldam HPS (4x200 MW)
 COD : 18.07.2015
 FY : 2021-22

Sl No.	Description of Work/ Equipment	Additional Capital Expenditure Claimed (Projected)			Regulations Under Which Claimed	Whether Change in Law, Original Scope, Beyond Original Scope	Justification (Proposed to be submitted to CERC)	(Rs. Lakhs)
		Actual basis as per RAMP	Undischarged Liabilities included in vol. 3	ILK included in vol. 3				
1	Private Land (Freehold)	200.00	-	200.00	25(1) with 76	Original Scope	364.56 Ha free hold land has been acquired under the provision of Land Acquisition Act 1894 and mutated in the name of NTPC. Subsequent to the reservoir impounding there have been large scale landslides and destabilization of the geographical profile along the Koldam reservoir in both the banks of river Sarju in all the four districts. These landslides have gone beyond our acquisition boundary. Landowners whose land has been damaged due to landslides need to be paid compensation. Accordingly, leftover land has been identified for which compensation has to be paid. This is an on going process and will take some more time to be completed. The Petitioner had approached Honble Commission for extension of cut off date in respect of this capitalisation. Honble Commission vide order dated 13.03.2019 in Petition no. 228/MP/2018 has allowed the petitioner to claim capitalization in respect of the proposed works as and when incurred.	
2	Land Acquisition Office Admin expenses	60.00	-	60.00	25(1) with 76	Original Scope	The private land for Koldam project has been acquired under the provisions of the Land Acquisition Act (1894) through the Land Acquisition Office at Bilaspur established by Govt. of HP and the expenses for this office are borne by NTPC as per Clause 2.2 of the agreement signed between Government of HP (GoHP), HPSEB and NTPC Ltd on 26th Feb 2000. Subsequent to the reservoir impounding, there have been reports of large scale landslides and destabilization of the geographical profile along the Koldam reservoir in both the banks of river Sarju in all the four districts namely Bilaspur, Solan, Haridwar and Shimla. These landslides have gone beyond our acquisition boundary and various other facilities of the local people like pathways, school (roadways for crossing the river) etc. have been affected. The local residents to be paid compensation for their land and property affected. In view of the above, the services of the land acquisition staff shall be required further. The Petitioner had approached Honble Commission for extension of cut off date in respect of this capitalisation. Honble Commission vide order dated 13.03.2019 in Petition no. 228/MP/2018 has allowed the petitioner to claim capitalization in respect of the proposed works as and when incurred.	
3	Land Reference Cases	1,000.00	100.00	900.00	25(1) with 76	Original Scope	NTPC has acquired private land for the construction of Koldam Project under the provisions of the Land Acquisition Act (1894) through the Land Acquisition Officer appointed by the Govt. of HP. Subsequent to the acquisition, the landowners moved the court for enhanced rate of compensation. NTPC preferred appeals in the Honble High Court of HP. Judgment in favour of the landowners and enhanced the rate of compensation. NTPC preferred appeals in the Honble High Court of HP. Accordingly, an amount of Rs. 14,920.95 lakh has been deposited at High Court of HP. Further, in case, enhanced compensation is required to be paid to all such landowners in future then an estimated amount Rs.40 cr kept for this purpose which shall be claimed in future upon capitalization. The Petitioner had approached Honble Commission for extension of cut off date in respect of this capitalisation. Honble Commission vide order dated 13.03.2019 in Petition no. 228/MP/2018 has allowed the petitioner to claim capitalization in respect of the proposed works as and when incurred.	
4	R&R Works	300.00	-	300.00	25(1) with 76	Original Scope	These works have been necessitated due to the damages that have occurred to the pathways, cremation grounds, roads, houses, land, public & private property due to the rising of the water level in the reservoir because of the impounding of Koldam HEP. It is still an on going process and will take few more years to accomplish. For the said work, Honble Commission was approached for extension for cut off date for Koldam HEP through petition no. 228/MP/2018. Honorable Commission vide their order dated 13.03.2019 has allowed the petitioner to claim capitalization expenditure in respect of the proposed works as and when incurred in terms of the provisions of the 2019 Tariff Regulations and the same will be considered for extension of cut off date in respect of this capitalisation. 15% of the project cost is to be paid as Local Area Development Fund as per state Hydro-Policy-2006. The amount will be deposited to GoHP after the finalisation of dates of payments and shall be claimed in future upon capitalization. The Petitioner had approached Honble Commission for extension of cut off date in respect of this capitalisation. Honble Commission vide order dated 13.03.2019 in Petition no. 228/MP/2018 has allowed the petitioner to claim capitalization in respect of the proposed works as and when incurred.	
5	Local Area Development Fund (LADF)	-	-	-	25(1) with 76	Original Scope	Completion of balance works including new works for strengthening of Cyber/ Computer and Physical security is also attached as Annexure C. Further, MOP letter dated 23.10.2019 regarding strengthening of Cyber/ Computer and Physical security is also attached as Annexure C. The Petitioner had approached Honble Commission for extension of cut off date in respect of this capitalisation. Honble Commission vide order dated 13.03.2019 in Petition no. 228/MP/2018 has allowed the petitioner to claim capitalization in respect of the proposed works as and when incurred.	
6	Construction of Balance Quarters, misc. township works & other associated facilities at township	100.00	-	100.00	25(1) with 76	Original Scope	The work was being carried out by M/s Supreme Infra. One of the vendors/supplier of M/s Supreme Infra approached NCLT for the work being carried out by M/s Supreme Infra. Subsequently, NCLT appointed Prashant Jain, Insolvency Professional as Interim Resolution Professional for the said case. Therefore, the completion of balance works & mainly area development of the buildings got delayed and are expected to be completed by Mar-2022. The Petitioner had approached Honble Commission for extension of cut off date in respect of this capitalisation. Honble Commission vide order dated 13.03.2019 in Petition no. 228/MP/2018 has allowed the petitioner to claim capitalization in respect of the proposed works as and when incurred.	
7	Implementation of Buildings: Admn Building, CISF Barracks, Armory, Gate Complex, CISF B Type Quarters, Internal Roads/Pathways/Culvert, auditorium completion, visitor gallery etc.	200.00	-	200.00	25(1) with 76	Original Scope	The balance remaining works are as and when incurred. The Petitioner had approached Honble Commission for extension of cut off date in respect of this capitalisation. Honble Commission vide order dated 13.03.2019 in Petition no. 228/MP/2018 has allowed the petitioner to claim capitalization in respect of the proposed works as and when incurred.	
8	Plant Boundary Wall & Fencing	-	-	-	25(1) with 76	Original Scope	The Petitioner had approached Honble Commission for extension of cut off date in respect of this capitalisation. Honble Commission vide order dated 13.03.2019 in Petition no. 228/MP/2018 has allowed the petitioner to claim capitalization in respect of the proposed works as and when incurred.	
9	Permanent water supply scheme	150.00	-	150.00	25(1) with 76	Original Scope	The Petitioner had approached Honble Commission for extension of cut off date in respect of this capitalisation. Honble Commission vide order dated 13.03.2019 in Petition no. 228/MP/2018 has allowed the petitioner to claim capitalization in respect of the proposed works as and when incurred. The work is expected to be completed by Mar-2023.	
10	Sewage system incl sewage treatment plant at admin building site Hamra	-	-	-	25(1) with 76	Original Scope	The Petitioner had approached Honble Commission for extension of cut off date in respect of this capitalisation. Honble Commission vide order dated 13.03.2019 in Petition no. 228/MP/2018 has allowed the petitioner to claim capitalization in respect of the proposed works as and when incurred. The work is expected to be capitalized by 2020.	

11	Restoration/ protection works & surfacing works. Main Setu to PWD road junction to bottom outlet on right bank. Construction of approach road to CISF main gate in front of FQA lab & peripheral road & other roads at Hamoda	200.00	-	200.00	-	25(1) with 76	Original Scope	The work could not be completed due to various slides along the river bank. The work shall be completed alongwith the river protection works. For strengthening the security of the plant & alternate approach road, construction of the road on left & right side of river is expected to be completed by Mar, 2022. Further, HP State Pollution Control Board letter in this regard is attached as Annexure - A. The Petitioner had approached Honble Commission for extension of cut off date in respect of this capitalisation. Honble Commission vide order dated 13.03.2019 in Petition no. 228MP/2019 has allowed the petitioner to claim capitalization in respect of the proposed works as and when incurred.
12	Right bank Protection work of river sattuji from Main setu to Diversion tunnel	200.00	-	200.00	-	25(1) with 76	Original Scope	The Petitioner had approached Honble Commission for extension of cut off date in respect of this capitalisation. Honble Commission vide order dated 13.03.2019 in Petition no. 228MP/2019 has allowed the petitioner to claim capitalization in respect of the proposed works as and when incurred. These balance/ remaining works are expected to be completed by Mar-2023. HP State Pollution Control Board letter in this regard is attached as Annexure - A.
13	Construction of Retaining wall/ protection work along Left bank of River	100.00	-	100.00	-	25(1) with 76	Original Scope	The Petitioner had approached Honble Commission for extension of cut off date in respect of this capitalisation. Honble Commission vide order dated 13.03.2019 in Petition no. 228MP/2019 has allowed the petitioner to claim capitalization in respect of the proposed works as and when incurred. These balance/ remaining works are expected to be completed by Mar-2023. HP State Pollution Control Board letter in this regard is attached as Annexure - A.
14	Removal of Boulders from River to lower down the River Bed to avoid Head Loss	20.00	-	20.00	-	25(1) with 76	Original Scope	The Petitioner had approached Honble Commission for extension of cut off date in respect of this capitalisation. Honble Commission vide order dated 13.03.2019 in Petition no. 228MP/2019 has allowed the petitioner to claim capitalization in respect of the proposed works as and when incurred. Due to the various slides from river banks, the work shall be carried out along with the river bank protection works. It will increase the safety & efficiency of the plant and is expected to be completed by Mar-2023.
15	Additional Protection work in Plunge pool area	300.00	-	300.00	-	25(1) with 76	Original Scope	The Petitioner had approached Honble Commission for extension of cut off date in respect of this capitalisation. Honble Commission vide order dated 13.03.2019 in Petition no. 228MP/2019 has allowed the petitioner to claim capitalization in respect of the proposed works as and when incurred. For the safety of the Flip bucket, Plunge pool of Spillway, additional protection works are being identified and are expected to be completed by Mar-2024. Reports from Panel of Experts (POE) is attached at Annexure-B.
16	Diversion Tunnel related Additional Works	900.00	100.00	800.00	-	25(1) with 76	Original Scope	The Petitioner had approached Honble Commission for extension of cut off date in respect of this capitalisation. Honble Commission vide order dated 13.03.2019 in Petition no. 228MP/2019 has allowed the petitioner to claim capitalization in respect of the proposed works as and when incurred. As per the consultant M/s EDF, France, the plugging of the diversion tunnel was envisaged after 5-10 years of plant operation. This plug is required to be constructed for safety of the structures and is expected to be completed by Mar-2023. Reports from EOP & Panel of Experts (POE) is attached at Annexure-B.
17	Plant/ Infra related Misc works (Dam-Misc works)	300.00	-	300.00	-	25(1) with 76	Original Scope	These balance/ remaining works are for the safety & security of plant, and these are expected to be completed by Mar-2024. Further, MOP letter dated 23.10.2019 regarding strengthening of Cyber/ Computer and Physical security is also attached as Annexure-F. The Petitioner had approached Honble Commission for extension of cut off date in respect of this capitalisation. Honble Commission vide order dated 13.03.2019 in Petition no. 228MP/2019 has allowed the petitioner to claim capitalization in respect of the proposed works as and when incurred.
18	MBOA Items	200.00	-	200.00	-	25(1) with 76	Original Scope	These MBOA items are required for furnishing various completed buildings. The Petitioner had approached Honble Commission for extension of cut off date in respect of this capitalisation. Honble Commission vide order dated 13.03.2019 in Petition no. 228MP/2019 has allowed the petitioner to claim capitalization in respect of the proposed works as and when incurred.
19	Additional dewatering Pumps in Power House	-	-	-	-	26(1) (d)	Beyond Original Scope	These works are towards Need for higher security and safety of the plant as advised or directed by appropriate Indian Government Instrumentality / statutory authorities responsible for national and internal security. These are also as per CEA recommendations towards measures to avoid flooding of HE stations. Further, MOP letter dated 23.10.2019 regarding strengthening of Cyber/ Computer and Physical security is also attached as Annexure-C.
20	Integrated Security System related works incl Civil works	400.00	-	400.00	-	26(1) (d)	Beyond Original Scope	For enhancement & strengthening of power station view of consistent threat as per reports from external agencies, the Petitioner, in collaboration with Central Inland Security Force (CISF), has prepared a comprehensive multilayer e-security system, to be installed in various power power stations during the tariff period 2019-24. It is also submitted that the e-security system shall not only enhance the reliability of the security system, but it will also help rationalise the same. Further, MOP letter dated 23.10.2019 regarding strengthening of Cyber/ Computer and Physical security is also attached as Annexure-D.
21	Early warning, Fire Detection and alarm System	50.00	-	50.00	-	26(1) (d)	Beyond Original Scope	Further, MOP letter dated 23.10.2019 regarding strengthening of Cyber/ Computer and Physical security is also attached as Annexure-D.
22	Closed Ckt. TV camera	30.00	-	30.00	-	26(1) (d)	Beyond Original Scope	Further, MOP letter dated 23.10.2019 regarding strengthening of Cyber/ Computer and Physical security is also attached as Annexure-D.
23	Energy Conservation - LED lights	20.00	-	20.00	-	26(1) (b)	Beyond Original Scope	Honble Prime Minister of India on 05.01.2015 launched National LED Programme with an objective to reduce energy consumption by using energy efficient lighting. In line with the objective, Unnat Jyoti by Affordable LEDs for All (UJALA) and Street Lighting National Programme is being implemented by EESL. In this regard, through MOP, Govt vide letter dated 02.08.2017 NTPC was mandated to replace all old bulbs with LED bulbs in all NTPC buildings including compound/ street lighting occupied by NTPC (copy of the letter dated 02.08.2017 is enclosed as Annexure A). Any directions of Government of India is required to implemented and has the force of Law. In order to comply with the directions of Govt. of India contained in the letter dated 02.08.2017, NTPC took the work of replacing the old in-efficient lights with efficient LED lighting in the premises of the station compound/ building owned and operated by NTPC. Accordingly, Honble Commission may be pleased to allow the said capitalization under change in law. The copy of above letters are attached at Annexure-E.
24	Energy Conservation - Solar PV Plant	170.00	-	170.00	-	26(1) (b)	Beyond Original Scope	1000 KW solar Power Station is proposed to installed. Honble commission may please to approve capitalisation towards promotion of green power.
Total		4,900.00	200.00	4,700.00	-			

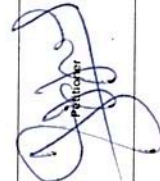

 PETITIONER

Year wise Statement of Additional Capitalisation

Name of the Petitioner : NTPC Ltd
 Name of the Generating Station : Koidam HPS (4x200 MW)
 COD : 18.07.2015
 FY : 2022-23

Sl No.	Description of Work/ Equipment	Additional Capital Expenditure Claimed (Projected)			Whether Change in Law, Original Scope, Beyond Original Scope	Repetitions Under Which Claimed	(Rs. Lakhs)
		Actual basis as per R&AP	Un-discharged liabilities included in vol. 3	Cash basis			
1	Private Land (Freehold)	-	-	-	Original Scope	25(1) with 76	364.56 Ha free hold land has been acquired under the provision of Land Acquisition Act, 1894 and mutated in the name of NTPC. Subsequent to the reservoir impounding, there have been large scale landslides and destabilization of the geographical profile along the Koidam reservoir in both the banks of river Sullai in all the four districts. These landslides have gone beyond our acquisition boundary. Landowners, whose land has been damaged due to landslides need to be paid compensation. Accordingly, leftover land has been identified for which compensation has to be paid. This is an on going process and will take some more time to be completed. The Petitioner had approached Honble Commission for extension of cut off date in respect of this capitalisation. Honble Commission vide order dated 13.03.2019 in Petition no. 228MP/2018 has allowed the petitioner to claim capitalization in respect of the proposed works as and when incurred.
2	Land Acquisition Office Admin expenses	60.00	-	60.00	Original Scope	25(1) with 76	The private land for Koidam project has been acquired under the provisions of the Land Acquisition Act (1894) through the Land Acquisition Officer appointed by the Govt. of HP and the expenses for this office are borne by NTPC as per Clause 2 of the agreement signed between Government of HP (GoHP), HPSEB and NTPC Ltd. on 26th Feb 2000. Subsequent to the reservoir impounding, there have been reports of large scale landslides and destabilization of the geographical profile along the Koidam reservoir in both the banks of river Sullai in all the four districts namely Bhaspur, Solan, Mandi and Shimla. These landslides have gone beyond our acquisition boundary and various other facilities of the local people for the property affected. In view of the above, the services of the land acquisition staff shall be required further. The Petitioner had approached Honble Commission for extension of cut off date in respect of this capitalisation. Honble Commission vide order dated 13.03.2019 in Petition no. 228MP/2018 has allowed the petitioner to claim capitalization in respect of the proposed works as and when incurred.
3	Land Reference Cases	500.00	100.00	400.00	Original Scope	25(1) with 76	NTPC has acquired private land for the construction of Koidam Project under the provisions of the Land Acquisition Act (1894) through the Land Acquisition Officer appointed by the Govt. of HP. Subsequent to the acquisition, the landowners moved the court for enhancement of compensation amount paid to them. The Dist. courts passed judgments in favour of the landowners and enhanced the rate of compensation. NTPC preferred appeals in the Honble High Court of HP wherein NTPC was directed to deposit the enhanced amount of compensation with the registry of the court. Accordingly, an amount of Rs. 14290.55 lakh has been deposited at High Court of HP. Further, in case, enhanced compensation is required to be paid to all such landowners in future then an estimated amount Rs.40 or kept for this purpose which shall be claimed in future upon capitalization.
4	R&R Works	200.00	-	200.00	Original Scope	25(1) with 76	The Petitioner had approached Honble Commission for extension of cut off date in respect of this capitalisation. Honble Commission vide order dated 13.03.2019 in Petition no. 228MP/2018 has allowed the petitioner to claim capitalization in respect of the proposed works as and when incurred. These works have been necessitated due to the damages that have occurred to the pathways, cremation grounds, roads, houses, land, public & private property due to the rising of the water level in the reservoir because of the impounding of reservoir of Koidam HEP. It is still an on going process and will take few more years to accomplish. For the above, the Petitioner had approached Honble Commission for extension of cut off date for Koidam HEP through petition no. 228MP/2018 in respect of the proposed works as and when incurred in terms of the provisions of the 2019 Tariff Regulations and the same will be considered for the proposed works as and when incurred in terms of the provisions of the 2019 Tariff Regulations.
5	Local Area Development Fund (LADF)	-	-	-	Original Scope	25(1) with 76	1.5% of the project cost is to be paid as Local Area Development Fund as per state Hydro-Policy, 2006. The amount will be deposited to GoHP after the finalisation of dates of payments and shall be claimed in future upon capitalization. The Petitioner had approached Honble Commission for extension of cut off date in respect of this capitalisation. Honble Commission vide order dated 13.03.2019 in Petition no. 228MP/2018 has allowed the petitioner to claim capitalization in respect of the proposed works as and when incurred.
6	Construction of Balance Quarters, misc. township works & other associated facilities at township	100.00	-	100.00	Original Scope	25(1) with 76	Completion of balance works including new works for strengthening security by use of new technology of township is expected to be completed by Mar-2024. Further, MOP letter dated 23.10.2019 regarding strengthening of Cyber/ Computer and Physical security is also attached as Annexure C.
7	Implementation of Buildings, Admin Building, CISF Barracks, Armory, Canteen Complex, CISF B Type Quarters, Internal Roads/Pathways/Culvert, auditorium completion, visitor gallery etc	-	-	-	Original Scope	25(1) with 76	The Petitioner had approached Honble Commission for extension of cut off date in respect of this capitalisation. Honble Commission vide order dated 13.03.2019 in Petition no. 228MP/2018 has allowed the petitioner to claim capitalization in respect of the proposed works as and when incurred. The Petitioner had approached Honble Commission for extension of cut off date in respect of this capitalisation. Honble Commission vide order dated 13.03.2019 in Petition no. 228MP/2018 has allowed the petitioner to claim capitalization in respect of the proposed works as and when incurred. One of the vendors/supplier of M/s Supreme Infra approached NCLT for initiating Corporate Insolvency Resolution Process (CIRP). Subsequently, NCLT appointed Prashant Jain Insolvency Professional as Interim Resolution Professional for the said case. Therefore, the completion of balance works & mainly area development of the buildings got delayed and are expected to be completed by Mar-2022.
8	Plant Boundary Wall & Fencing	-	-	-	Original Scope	25(1) with 76	The Petitioner had approached Honble Commission for extension of cut off date in respect of this capitalisation. Honble Commission vide order dated 13.03.2019 in Petition no. 228MP/2018 has allowed the petitioner to claim capitalization in respect of the proposed works as and when incurred. The balance/ remaining works are expected to be completed by Mar-2020. The Petitioner had approached Honble Commission for extension of cut off date in respect of this capitalisation. Honble Commission vide order dated 13.03.2019 in Petition no. 228MP/2018 has allowed the petitioner to claim capitalization in respect of the proposed works as and when incurred.
9	Permanent water supply scheme	20.00	-	20.00	Original Scope	25(1) with 76	The Petitioner had approached Honble Commission for extension of cut off date in respect of this capitalisation. Honble Commission vide order dated 13.03.2019 in Petition no. 228MP/2018 has allowed the petitioner to claim capitalization in respect of the proposed works as and when incurred. The work is expected to be completed by Mar-2023.
10	Sewage system incl. sewage treatment plant at admin building site Hamra	-	-	-	Original Scope	25(1) with 76	The Petitioner had approached Honble Commission for extension of cut off date in respect of this capitalisation. Honble Commission vide order dated 13.03.2019 in Petition no. 228MP/2018 has allowed the petitioner to claim capitalization in respect of the proposed works as and when incurred. The work is expected to be capitalized by 2020.

11	Restoration/ protection works & surfacing works. Main Setu to PWD road junction to bottom outlet on right bank. Construction of approach road to CISF main gate in front of FGA lab & peripheral road & other roads at Harpada					25(1) with 76	Original Scope	The work could not be completed due to various slides along the river bank. The work shall be completed along with the river protection works. For strengthening the security of the plant & alternate approach road, construction of the road on left & right side of river is expected to be completed by Mar, 2022. Further, HP State Pollution Control Board letter in this regard is attached as Annexure - A. The Petitioner had approached Honble Commission for extension of cut off date in respect of this capitalisation. Honble Commission vide order dated 13.03.2019 in Petition no. 228/MP/2018 has allowed the petitioner to claim capitalisation in respect of the proposed works as and when incurred.
12	Right bank Protection work of river sally from Main setu to Diversion tunnel	100.00		100.00		25(1) with 76	Original Scope	The Petitioner had approached Honble Commission for extension of cut off date in respect of this capitalisation. Honble Commission vide order dated 13.03.2019 in Petition no. 228/MP/2018 has allowed the petitioner to claim capitalisation in respect of the proposed works as and when incurred. These balance/ remaining works are expected to be completed by Mar-2023. HP State Pollution Control Board letter in this regard is attached as Annexure - A.
13	Construction of Retaining wall/ protection work along Left bank of River					25(1) with 76	Original Scope	The Petitioner had approached Honble Commission for extension of cut off date in respect of this capitalisation. Honble Commission vide order dated 13.03.2019 in Petition no. 228/MP/2018 has allowed the petitioner to claim capitalisation in respect of the proposed works as and when incurred. These balance/ remaining works are expected to be completed by Mar-2022. HP State Pollution Control Board letter in this regard is attached as Annexure - A.
14	Removal of Boulders from River to lower down the River Bed to avoid Head Loss					25(1) with 76	Original Scope	The Petitioner had approached Honble Commission for extension of cut off date in respect of this capitalisation. Honble Commission vide order dated 13.03.2019 in Petition no. 228/MP/2018 has allowed the petitioner to claim capitalisation in respect of the proposed works as and when incurred. Due to the various slides from river banks, this work shall be carried out along with the river bank protection works. It will be completed by Mar-2023. HP State Pollution Control Board letter in this regard is attached as Annexure - A.
15	Additional Protection work in Plunge pool area	200.00		200.00		25(1) with 76	Original Scope	The Petitioner had approached Honble Commission for extension of cut off date in respect of this capitalisation. Honble Commission vide order dated 13.03.2019 in Petition no. 228/MP/2018 has allowed the petitioner to claim capitalisation in respect of the proposed works as and when incurred. For the safety of the Flip bucket, Plunge pool of Spillway, additional protection works are being identified and are expected to be completed by Mar-2024. Reports from Panel of Experts (POE) is attached as Annexure - B.
16	Diversion Tunnel/related Additional Works	100.00		100.00		25(1) with 76	Original Scope	The Petitioner had approached Honble Commission for extension of cut off date in respect of this capitalisation. Honble Commission vide order dated 13.03.2019 in Petition no. 228/MP/2018 has allowed the petitioner to claim capitalisation in respect of the proposed works as and when incurred. As per the consultant M/s EDF, France, the plugging of the diversion tunnel was envisaged after 5-10 years of plant operation. This plug is required to be constructed for safety of the structures and is expected to be completed by Mar-2023. Reports from EDF & Panel of Experts (POE) is attached as Annexure - B.
17	Plant/ Infra related Misc works (Dam/Misc works)	100.00		100.00		25(1) with 76	Original Scope	These balance/ remaining works are for the safety & security of plant and these are expected to be completed by Mar-2024. Further, MOP letter dated 23.10.2019 regarding strengthening of Cyber/ Computer and Physical security is also attached as Annexure - F. The Petitioner had approached Honble Commission for extension of cut off date in respect of this capitalisation. Honble Commission vide order dated 13.03.2019 in Petition no. 228/MP/2018 has allowed the petitioner to claim capitalisation in respect of the proposed works as and when incurred.
18	MBOA Items	100.00		100.00		25(1) with 76	Original Scope	These MBOA items are required for furnishing various completed buildings. The Petitioner had approached Honble Commission for extension of cut off date in respect of this capitalisation. Honble Commission vide order dated 13.03.2019 in Petition no. 228/MP/2018 has allowed the petitioner to claim capitalisation in respect of the proposed works as and when incurred.
19	Additional dewatering Pumps in Power House					26 (1) (d)	Beyond Original Scope	These works are towards need for higher security and safety of the plant as advised or directed by appropriate Indian Government Instrumentality/ Statutory authorities responsible for national and internal security. These are also as per CEA recommendations towards measures to avoid flooding of HE stations. Further, MOP letter dated 23.10.2019 regarding strengthening of Cyber/ Computer and Physical security is also attached as Annexure - C.
20	Integrated Security System related works incl Civil works					26 (1) (d)	Beyond Original Scope	For enhancement & automation of security at power station, in view of consistent threat as per reports from external agencies, the Petitioner, in collaboration with Central Industrial Security Force (CISF), has prepared a comprehensive multi-layer e-security system, to be installed in various power stations across the country. This integrated security system (JISS) is proposed to be installed at the main station during the tariff period 2019-24. It is also submitted that the e-security shall not only enhance the reliability of the security system, but will also help rationalise the security manpower at the station. Honble Commission may be pleased to consider these works under Regulation-26 (1) (d). The communication in this regard with DG, CISF is attached at Annexure - D. Further, MOP letter dated 23.10.2019 regarding strengthening of Cyber/ Computer and Physical security is also attached as Annexure - E.
21	Early warning, Fire Detection and alarm System					26 (1) (d)	Beyond Original Scope	Honble Prime Minister of India on 05.01.2015 launched National LED Programme with an objective to reduce energy consumption by using energy efficient lighting. In line with the objective, Unnat Jyoti by Affordable LEDs for All (UJALA) and Street Lighting National Programme is being implemented by EESL. In this regard, through MoP, GoI vide letter dated 02.08.2017 NTPC was mandated to replace all old bulbs with LED bulbs in all NTPC buildings including compound/ street lighting occupied by NTPC (copy of the letter dated 02.08.2017 is enclosed as Annexure A). Any directions of Government of India is required to be implemented and has the force of Law. In order to comply with the directions of Govt. of India contained in the letter dated 02.08.2017, NTPC took the work of replacing the old in-efficient lights with efficient LED lighting in the premises of the station compound/ building owned and operated by NTPC. Accordingly, Honble Commission may be pleased to allow the said capitalization under change in law. The copy of above letters are attached at Annexure - E.
22	Closed CX, TV camera					26 (1) (d)	Beyond Original Scope	1000 KW solar Power Station is proposed to be installed. Honble commission may please to approve capitalisation towards promotion of green power.
23	Energy Conservation - LED lights	20.00		20.00		26 (1) (b)	Beyond Original Scope	
24	Energy Conservation - Solar PV Plant	100.00		100.00		26 (1) (b)	Beyond Original Scope	
	Total	1,600.00		1,500.00				


 Petitioner

11	Restoration/ protection works & surfacing works Main Setu to PWD road junction to bottom outlet on right bank. Construction of approach road to CISF main gate in front of FOA lab & peripheral road & other roads at Harroda	-	-	-	-	25(1) with 76	Original Scope	The work could not be completed due to various slides along the river bank. The work shall be completed alongwith the river protection works for strengthening the security of the plant & alternate approach road. construction of the road on left & right side of river is expected to be completed by Mar, 2022. Further, HP State Pollution Control Board letter in this regard is attached as Annexure - A. The Petitioner had approached Honble Commission for extension of cut off date in respect of this capitalisation. Honble Commission vide order dated 13.03.2019 in Petition no. 228/MP/2018 has allowed the petitioner to claim capitalization in respect of the proposed works as and when incurred.
12	Right bank Protection work of river satuj from Main setu to Diversion tunnel	-	-	-	-	25(1) with 76	Original Scope	The Petitioner had approached Honble Commission for extension of cut off date in respect of this capitalisation. Honble Commission vide order dated 13.03.2019 in Petition no. 228/MP/2018 has allowed the petitioner to claim capitalization in respect of the proposed works as and when incurred. These balance/remaining works are expected to be completed by Mar-2023. HP State Pollution Control Board letter in this regard is attached as Annexure - A.
13	Construction of Retaining wall/ protection work along left bank of River	-	-	-	-	25(1) with 76	Original Scope	The Petitioner had approached Honble Commission for extension of cut off date in respect of this capitalisation. Honble Commission vide order dated 13.03.2019 in Petition no. 228/MP/2018 has allowed the petitioner to claim capitalization in respect of the proposed works as and when incurred. These balance/remaining works are expected to be completed by Mar-2022. HP State Pollution Control Board letter in this regard is attached as Annexure - A.
14	Removal of Boulders from River to lower down the River Bed to avoid Head Loss	-	-	-	-	25(1) with 76	Original Scope	The Petitioner had approached Honble Commission for extension of cut off date in respect of this capitalisation. Honble Commission vide order dated 13.03.2019 in Petition no. 228/MP/2018 has allowed the petitioner to claim capitalization in respect of the proposed works as and when incurred. Due to the various slides from river banks, this work shall be carried out along with the river bank protection works. It will be completed by Mar-2023. HP State Pollution Control Board letter in this regard is attached as Annexure - A.
15	Additional Protection work in Plunge pool area	200.00	-	200.00	-	25(1) with 76	Original Scope	The Petitioner had approached Honble Commission for extension of cut off date in respect of this capitalisation. Honble Commission vide order dated 13.03.2019 in Petition no. 228/MP/2018 has allowed the petitioner to claim capitalization in respect of the proposed works as and when incurred. For the safety of the Flip bucket, Plunge pool of Spillway, additional protection works are being identified and are expected to be completed by Mar-2024. Reports from Panel of Experts (POE) is attached as Annexure-B.
16	Diversion Tunnel related Additional Works	-	-	-	-	25(1) with 76	Original Scope	The Petitioner had approached Honble Commission for extension of cut off date in respect of this capitalisation. Honble Commission vide order dated 13.03.2019 in Petition no. 228/MP/2018 has allowed the petitioner to claim capitalization in respect of the proposed works as and when incurred. As per the consultant M/s EDF, France, the plugging of the diversion tunnel was envisaged after 5-10 years of plant operation. This plug is required to be constructed for safety of the structures and is expected to be completed by Mar-2023. Reports from EDF & Panel of Experts (POE) is attached as Annexure-B.
17	Plant/ Infra related Misc works (Dam-Misc works)	200.00	-	200.00	-	25(1) with 76	Original Scope	These balance/remaining works are for the safety & security of plant and these are expected to be completed by Mar-2024. Further, MOP letter dated 23.10.2019 regarding strengthening of Cyber/ Computer and Physical security is also attached as Annexure-F. The Petitioner had approached Honble Commission for extension of cut off date in respect of this capitalisation. Honble Commission vide order dated 13.03.2019 in Petition no. 228/MP/2018 has allowed the petitioner to claim capitalization in respect of the proposed works as and when incurred.
18	MBOA Items	100.00	-	100.00	-	25(1) with 76	Original Scope	These MBOA items are required for furnishing various completed buildings. The Petitioner had approached Honble Commission for extension of cut off date in respect of this capitalisation. Honble Commission vide order dated 13.03.2019 in Petition no. 228/MP/2018 has allowed the petitioner to claim capitalization in respect of the proposed works as and when incurred.
19	Additional dewatering Pumps in Power House	-	-	-	-	26 (1) (d)	Beyond Original Scope	These works are towards need for higher security and safety of the plant as advised or directed by appropriate Indian Government Instrumentality/statutory authorities responsible for national and internal security. These are also as per CEA recommendations towards measures to avoid flooding of HE stations. Further, MOP letter dated 23.10.2019 regarding strengthening of Cyber/ Computer and Physical security is also attached as Annexure-C.
20	Integrated Security System related works and Civil works	-	-	-	-	26 (1) (d)	Beyond Original Scope	For enhancement & automation of security at power station, in view of consistent threat as per reports from external agencies, the Petitioner, in collaboration with Central Industrial Security Force (CISF), has prepared a comprehensive multilayer e-security system, to be installed in various power stations across the country. This integrated security system (ISS) is proposed to be installed in various power stations during the time period 2019-24. It is also submitted that the e-security shall not only enhance the reliability of the security system, but will also help rationalise the security manpower at the station. Honble Commission may be pleased to allow these works. Regulation-26(1)(d). The communication in this regard with DG, CISF is attached at Annexure-D. Further, MOP letter dated 23.10.2019 regarding strengthening of Cyber/ Computer and Physical security is also attached as Annexure-E.
21	Early warning, Fire Detection and alarm System	-	-	-	-	26 (1) (d)	Beyond Original Scope	Honble Prime Minister of India on 05.01.2015 launched National LED Programme with an objective to reduce energy consumption by using energy efficient lighting in line with the objective, Unnat Jyoti by Affordable LEDs for All (UJALA) and Street Lighting National Programme is being implemented by EESL. In this regard, through MOP, GoI vide letter dated 02.08.2017 NTPC was mandated to replace all old bulbs with LED bulbs in all NTPC buildings including compound/ street lighting occupied by NTPC (copy of the letter dated 02.08.2017 is enclosed as Annexure A). Any directions of Government of India is required to be implemented and has the force of Law. In order to comply with the directions of Govt. of India contained in the letter dated 02.08.2017, NTPC took the work of replacing the old in-efficient lights with efficient LED lighting in the premises of the station compound/ building owned and operated by NTPC. Accordingly, Honble Commission may be pleased to allow the said capitalization under change in law. The copy of above letters are attached at Annexure-E.
22	Closed CK, TV camera	-	-	-	-	26 (1) (d)	Beyond Original Scope	
23	Energy Conservation - LED lights	-	-	-	-	26 (1) (b)	Beyond Original Scope	
24	Energy Conservation - Solar PV Plant	-	-	-	-	26 (1) (b)	Beyond Original Scope	1000 KW solar Power Station is proposed to be installed. Honble commission may please to approve capitalisation towards promotion of green power.
						1,350.00		
Total						1,350.00		

Petitioner



Statement of Capital Cost

(To be given for relevant dates and year wise)

Name of the Petitioner : NTPC Ltd.
 Name of the Generating Station : Koldam Hydro Electric Power Project
 Station COD : 18.07.2015

(₹ Lakhs)

Sl. No.	Particulars	2019-20
A	a) Opening Gross Block amount As per books	7,44,715.85
	b) Amount of Capital liabilities in A(a) above	34,255.40
	c) Amount of IDC in A(a) above	2,14,866.63
	d) Amount of FC in A(a) above	
	e) Amount of FERV in A(a) above	13,652.01
	f) Amount of Hedging Cost in A(a) above	
	g) Amount of IEDC in A(a) above	
B	a) Addition in Gross Block amount during the period (Direct	
	b) Amount of Capital liabilities in B(a) above	
	c) Amount of IDC in B(a) above	
	d) Amount of FC in B(a) above	
	e) Amount of FERV in B(a) above	
	f) Amount of Hedging Cost in B(a) above	
	g) Amount of IEDC in B(a) above	
C	a) Addition in Gross Block amount during the period (Transfer from CWIP)	
	b) Amount of Capital liabilities in C(a) above	
	c) Amount of IDC in C(a) above	
	d) Amount of FC in C(a) above	
	e) Amount of FERV in C(a) above	
	f) Amount of Hedging Cost in C(a) above	
	g) Amount of IEDC in C(a) above	
D	a) Deletion in Gross Block Amount during the period	
	b) Amount of Capital liabilities in D(a) above	
	c) Amount of IDC in D(a) above	
	d) Amount of FC in D(a) above	
	e) Amount of FERV in D(a) above	
	f) Amount of Hedging Cost in D(a) above	
	g) Amount of IEDC in D(a) above	
E	a) Closing Gross Block amount As per books	
	b) Amount of Capital liabilities in E(a) above	
	c) Amount of IDC in E(a) above	
	d) Amount of FC in E(a) above	
	e) Amount of FERV in E(a) above	
	f) Amount of Hedging Cost in E(a) above	
	g) Amount of IEDC in E(a) above	

Shall be submitted
at the time of Truing
Up

Note:



(Petitioner)

Statement of Capital Works in Progress

(To be given for the relevant dates and year wise)

Name of the Petitioner : NTPC Ltd.
 Name of the Generating Station : Koldam Hydro Electric Power Project
 Station COD : 18.07.2015

(₹ Lakhs)

Sl. No.	Particulars	2019-20
A	a) Opening CWIP As per books	532.07
	b) Amount of Capital liabilities in A(a) above	110.34
	c) Amount of IDC in A(a) above	-
	d) Amount of FC in A(a) above	-
	e) Amount of FERV in A(a) above	-
	f) Amount of Hedging Cost in A(a) above	-
	g) Amount of IEDC in A(a) above	-
B	a) Addition in CWIP during the period	
	b) Amount of Capital liabilities in B(a) above	
	c) Amount of IDC in B(a) above	
	d) Amount of FC in B(a) above	
	e) Amount of FERV in B(a) above	
	f) Amount of Hedging Cost in B(a) above	
	g) Amount of IEDC in B(a) above	
C	a) Transferred to Gross Block Amount during the period	
	b) Amount of Capital liabilities in C(a) above	
	c) Amount of IDC in C(a) above	
	d) Amount of FC in C(a) above	
	e) Amount of FERV in C(a) above	
	f) Amount of Hedging Cost in C(a) above	
	g) Amount of IEDC in C(a) above	
D	a) Deletion in CWIP during the period	
	b) Amount of Capital liabilities in D(a) above	
	c) Amount of IDC in D(a) above	
	d) Amount of FC in D(a) above	
	e) Amount of FERV in D(a) above	
	f) Amount of Hedging Cost in D(a) above	
	g) Amount of IEDC in D(a) above	
E	a) Closing CWIP as per books	
	b) Amount of Capital liabilities in E(a) above	
	c) Amount of IDC in E(a) above	
	d) Amount of FC in E(a) above	
	e) Amount of FERV in E(a) above	
	f) Amount of Hedging Cost in E(a) above	
	g) Amount of IEDC in E(a) above	

Shall be submitted
at the time of Truing
Up

Note:

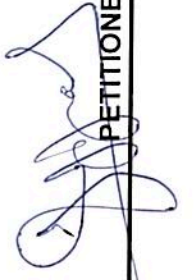

(Petitioner)

Financing of Additional Capitalisation

Name of the Petitioner : NTPC Ltd.
 Name of the Generating Station : Koldam Hydro Electric Power Project
 Station COD : 18.07.2015

Financial Year (Starting from COD)	2019-20	2020-21	2021-22	2022-23	2023-24	2019-20	2020-21	2021-22	2022-23	2023-24	(₹ Lakhs)	
	Actual					Admitted					2022-23	2023-24
1	2	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 Loan ²												
Equity												
Internal Resources												
Others												
Total												

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


 PETITIONER

Calculation of Depreciation

Name of the Petitioner : NTPC Ltd.
 Name of the Generating Station : Koldam Hydro Electric Power Project
 Station COD : 18.07.2015

(₹ Lakhs)

Sl. no.	Name of the Assets	Gross Block on 31.03.2019	Depreciation Rates as per CERC's Depreciation Rate Schedule	Depreciation Amount on Gross Block as per CERC depreciation rate schedule as on 31.03.2019
1	Freehold Land - other than Land under Reservoir	15624.32	0.00%	0.00
2	Freehold Land - Land under Reservoir	59752.50	3.34%	1,995.73
3	Leasehold Land - other than Land under Reservoir	1059.86	3.34%	35.40
4	Leasehold Land - Land under Reservoir	42232.41	3.34%	1,410.56
5	Roads, Bridges & Culverts	9514.56	3.34%	317.79
6	Main Plant Buildings	25570.29	3.34%	854.05
7	Other Buildings	10816.22	3.34%	361.26
8	Temporary erection	225.06	100.00%	225.06
9	Water supply, drainage & sewerage	700.09	5.28%	36.96
10	Dam & Spillway	378611.93	5.28%	19,990.71
11	Penstock	24151.23	5.28%	1,275.18
12	Hydromechanical system	17317.58	5.28%	914.37
13	Plant and machinery (includes associated civil works)	151769.59	5.28%	8,013.43
14	Furniture and fixtures	1747.63	6.33%	110.63
15	Vehicles including speedboats	93.56	9.50%	8.89
16	Other Office Equipment	292.74	6.33%	18.53
17	Office Equipments-Air Conditioners	68.39	9.50%	6.50
18	EDP Machines and other IT equipments	488.56	15.00%	73.28
19	Construction equipment	221.45	5.28%	11.69

133



Calculation of Depreciation

Name of the Petitioner : NTPC Ltd.
 Name of the Generating Station : Koldam Hydro Electric Power Project
 Station COD : 18.07.2015

(₹ Lakhs)

Sl. no.	Name of the Assets	Gross Block on 31.03.2019	Depreciation Rates as per CERC's Depreciation Rate Schedule	Depreciation Amount on Gross Block as per CERC depreciation rate schedule as on 31.03.2019
20	Electrical installations	2389.16	5.28%	126.15
21	Communication equipment-Cables	274.56	5.28%	14.50
22	Hospital equipment	20.59	5.28%	1.09
23	Capex on assets not owned by company	1345.20	5.28%	71.03
24	Software	180.15	15.00%	27.02
25	Laboratory and workshop equipment	248.19	5.28%	13.10
Total		744715.83		35912.92
Weighted Average Rate of Depreciation			4.8224%	



(Petitioner)

Statement of Depreciation

Name of the Petitioner : NTPC Ltd.
Name of the Generating Station : Koldam Hydro Electric Power Project
Station COD : 18.07.2015

Sl. No.	Particulars	2019-20	2020-21	2021-22	2022-23	2023-24
1	No. of Days	3	4	5	6	7
		366	365	365	365	366
1	Opening Capital Cost ¹	6,99,278.40	7,01,578.40	7,12,878.40	7,17,578.40	7,19,078.40
2	Closing Capital Cost ¹	7,01,578.40	7,12,878.40	7,17,578.40	7,19,078.40	7,20,428.40
3	Average Capital Cost	7,00,428.40	7,07,228.40	7,15,228.40	7,18,328.40	7,19,753.40
4	Freehold land	15,624.32	15,624.32	15,624.32	15,624.32	15,624.32
5	Rate of Depreciation	4.8224%	4.8224%	4.8224%	4.8224%	4.8224%
6	Depreciable Value	6,16,323.68	6,22,443.68	6,29,643.68	6,32,433.68	6,33,716.18
7	Balance useful life at the beginning of the period	30.00	29.00	28.00	27.00	26.00
8	Remaining depreciable value at beginning of period	6,16,323.68	5,88,666.46	5,61,761.32	5,30,060.39	4,96,702.47
9	Depreciation (for the period)	33,777.22	34,105.14	34,490.93	34,640.42	34,709.14
10	Depreciation (annualised)	33,777.22	34,105.14	34,490.93	34,640.42	34,709.14
11	Cumulative depreciation at the end of the period	33,777.22	67,882.36	1,02,373.29	1,37,013.71	1,71,722.85
12	Less: Cumulative depreciation adjustment on account of un-discharged liabilities deducted as on 01.04.2009/Station COD, whichever is later ¹	-	-	-	-	-
13	Less: Cumulative depreciation adjustment on account of de-capitalisation	-	-	-	-	-
14	Net Cumulative depreciation at the end of the period	33,777.22	67,882.36	1,02,373.29	1,37,013.71	1,71,722.85

135



PETITIONER

Calculation of Interest on Actual Loans						
Name of the Company		NTPC LTD.				
Name of the Power Station		Koldam				
		(Amount in lacs)				
Sl. no.	Particulars	2019-20	2020-21	2021-22	2022-23	2023-24
1	BANK OF INDIA-II repayment from 28.06.2019					
	Gross loan - Opening	10000.00	10000.00	10000.00	10000.00	10000.00
	Cumulative repayments of Loans upto previous period	0.00	1000.00	2000.00	3000.00	4000.00
	Net loan - Opening	10000.00	9000.00	8000.00	7000.00	6000.00
	Increase/ Decrease due to FERV	0.00	0.00	0.00	0.00	0.00
	Increase/ Decrease due to ACE/Drawl during the period	0.00	0.00	0.00	0.00	0.00
	Total	10000.00	9000.00	8000.00	7000.00	6000.00
	Repayments of Loans during the period	1000.00	1000.00	1000.00	1000.00	1000.00
	Net loan - Closing	9000.00	8000.00	7000.00	6000.00	5000.00
	Average Net Loan	9500.00	8500.00	7500.00	6500.00	5500.00
	Rate of Interest on Loan	8.3000%	8.3000%	8.3000%	8.3000%	8.3000%
	Interest on Loan Annualised	788.50	705.50	622.50	539.50	456.50
2	HDFC-BANK-II repayment from 26.04.2014					
	Gross loan - Opening	3500.00	3500.00	3500.00	3500.00	3500.00
	Cumulative repayments of Loans upto previous period	2500.00	3000.00	3500.00	3500.00	3500.00
	Net loan - Opening	1000.00	500.00	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/Drawl during the period	0.00	0.00	0.00	0.00	0.00
	Total	1000.00	500.00	0.00	0.00	0.00
	Repayments of Loans during the period	500.00	500.00	0.00	0.00	0.00
	Net loan - Closing	500.00	0.00	0.00	0.00	0.00
	Average Net Loan	750.00	250.00	0.00	0.00	0.00
	Rate of Interest on Loan	8.4500%	8.4500%	8.4500%	8.4500%	8.4500%
	Interest on Loan Annualised	63.38	21.13	0.00	0.00	0.00
3	HUDCO LTD-I repayment from 31.05.2014					
	Gross loan - Opening	1000.00	1000.00	1000.00	1000.00	1000.00
	Cumulative repayments of Loans upto previous period	454.55	545.45	636.36	727.27	818.18
	Net loan - Opening	545.45	454.55	363.64	272.73	181.82
	Increase/ Decrease due to FERV	0.00	0.00	0.00	0.00	0.00
	Increase/ Decrease due to ACE/Drawl during the period	0.00	0.00	0.00	0.00	0.00
	Total	545.45	454.55	363.64	272.73	181.82
	Repayments of Loans during the period	90.91	90.91	90.91	90.91	90.91
	Net loan - Closing	454.55	363.64	272.73	181.82	90.91
	Average Net Loan	500.00	409.09	318.18	227.27	136.36
	Rate of Interest on Loan	8.3000%	8.3000%	8.3000%	8.3000%	8.3000%
	Interest on Loan Annualised	41.50	33.95	26.41	18.86	11.32
4	INDIAN BANK- II repayment from 29.12.2012					
	Gross loan - Opening	4000.00	4000.00	4000.00	4000.00	4000.00
	Cumulative repayments of Loans upto previous period	3714.29	4000.00	4000.00	4000.00	4000.00
	Net loan - Opening	285.71	0.00	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/Drawl during the period	0.00	0.00	0.00	0.00	0.00
	Total	285.71	0.00	0.00	0.00	0.00
	Repayments of Loans during the period	285.71	0.00	0.00	0.00	0.00
	Net loan - Closing	0.00	0.00	0.00	0.00	0.00
	Average Net Loan	142.86	0.00	0.00	0.00	0.00
	Rate of Interest on Loan	8.2500%	8.2500%	8.2500%	8.2500%	8.2500%
	Interest on Loan Annualised	11.79	0.00	0.00	0.00	0.00
5	LIC III-T1-D-1 repayment from 31.12.2008					
	Gross loan - Opening	13000.00	13000.00	13000.00	13000.00	13000.00
	Cumulative repayments of Loans upto previous period	9100.00	9966.67	10833.33	11700.00	12566.67
	Net loan - Opening	3900.00	3033.33	2166.67	1300.00	433.33
	Increase/ Decrease due to FERV	0.00	0.00	0.00	0.00	0.00
	Increase/ Decrease due to ACE/Drawl during the period	0.00	0.00	0.00	0.00	0.00
	Total	3900.00	3033.33	2166.67	1300.00	433.33
	Repayments of Loans during the period	866.67	866.67	866.67	866.67	433.33
	Net loan - Closing	3033.33	2166.67	1300.00	433.33	0.00
	Average Net Loan	3466.67	2600.00	1733.33	866.67	216.67
	Rate of Interest on Loan	6.5710%	6.5710%	6.5710%	6.5710%	6.5710%
	Interest on Loan Annualised	227.79	170.85	113.90	56.95	14.24
6	PFC-V total repayment from 15.07.2013					
	Gross loan - Opening	64300.00	64300.00	64300.00	64300.00	64300.00
	Cumulative repayments of Loans upto previous period	30810.42	36168.75	41527.08	46885.42	52443.75
	Net loan - Opening	33489.58	28131.25	22772.92	17414.58	12056.25
	Increase/ Decrease due to FERV	0.00	0.00	0.00	0.00	0.00
	Increase/ Decrease due to ACE/Drawl during the period	0.00	0.00	0.00	0.00	0.00
	Total	33489.58	28131.25	22772.92	17414.58	12056.25
	Repayments of Loans during the period	5358.33	5358.33	5358.33	5358.33	5358.33
	Net loan - Closing	28131.25	22772.92	17414.58	12056.25	6697.92

Calculation of Interest on Actual Loans						
Name of the Company		NTPC LTD.				
Name of the Power Station		Koldam				
		(Amount in lacs)				
Sl. no.	Particulars	2019-20	2020-21	2021-22	2022-23	2023-24
	Average Net Loan	30810.42	25452.08	20093.75	14735.42	9377.08
	Rate of Interest on Loan	8.4933%	8.4933%	8.4933%	8.4933%	8.4933%
	Interest on Loan Annualised	2616.82	2161.72	1706.62	1251.52	796.42
7	SBI-VII Repayment from 30.09.2015					
	Gross loan - Opening	57600.00	57600.00	57600.00	57600.00	57600.00
	Cumulative repayments of Loans upto previous period	28800.00	36000.00	43200.00	50400.00	57600.00
	Net loan - Opening	28800.00	21600.00	14400.00	7200.00	0.00
	Increase/ Decrease due to FERV	0.00	0.00	0.00	0.00	0.00
	Increase/ Decrease due to ACE/Drawl during the period	0.00	0.00	0.00	0.00	0.00
	Total	28800.00	21600.00	14400.00	7200.00	0.00
	Repayments of Loans during the period	7200.00	7200.00	7200.00	7200.00	0.00
	Net loan - Closing	21600.00	14400.00	7200.00	0.00	0.00
	Average Net Loan	25200.00	18000.00	10800.00	3600.00	0.00
	Rate of Interest on Loan	8.2500%	8.2500%	8.2500%	8.2500%	8.2500%
	Interest on Loan Annualised	2079.00	1485.00	891.00	297.00	0.00
8	UNION BANK OF INDIA-II-repayment on 01.02.2017					
	Gross loan - Opening	20000.00	20000.00	20000.00	20000.00	20000.00
	Cumulative repayments of Loans upto previous period	5000.00	7000.00	9000.00	11000.00	13000.00
	Net loan - Opening	15000.00	13000.00	11000.00	9000.00	7000.00
	Increase/ Decrease due to FERV	0.00	0.00	0.00	0.00	0.00
	Increase/ Decrease due to ACE/Drawl during the period	0.00	0.00	0.00	0.00	0.00
	Total	15000.00	13000.00	11000.00	9000.00	7000.00
	Repayments of Loans during the period	2000.00	2000.00	2000.00	2000.00	2000.00
	Net loan - Closing	13000.00	11000.00	9000.00	7000.00	5000.00
	Average Net Loan	14000.00	12000.00	10000.00	8000.00	6000.00
	Rate of Interest on Loan	8.5000%	8.5000%	8.5000%	8.5000%	8.5000%
	Interest on Loan Annualised	1190.00	1020.00	850.00	680.00	510.00
9	Bonds-XXI-repayment on 02.08.2010					
	Gross loan - Opening	2000.00	2000.00	2000.00	2000.00	2000.00
	Cumulative repayments of Loans upto previous period	1800.00	2000.00	2000.00	2000.00	2000.00
	Net loan - Opening	200.00	0.00	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/Drawl during the period	0.00	0.00	0.00	0.00	0.00
	Total	200.00	0.00	0.00	0.00	0.00
	Repayments of Loans during the period	200.00	0.00	0.00	0.00	0.00
	Net loan - Closing	0.00	0.00	0.00	0.00	0.00
	Average Net Loan	100.00	0.00	0.00	0.00	0.00
	Rate of Interest on Loan	7.7400%	7.7400%	7.7400%	7.7400%	7.7400%
	Interest on Loan Annualised	7.74	0.00	0.00	0.00	0.00
10	Bonds-XXII- repayment on 02.07.2011					
	Gross loan - Opening	10500.00	10500.00	10500.00	10500.00	10500.00
	Cumulative repayments of Loans upto previous period	8400.00	9450.00	10500.00	10500.00	10500.00
	Net loan - Opening	2100.00	1050.00	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/Drawl during the period	0.00	0.00	0.00	0.00	0.00
	Total	2100.00	1050.00	0.00	0.00	0.00
	Repayments of Loans during the period	1050.00	1050.00	0.00	0.00	0.00
	Net loan - Closing	1050.00	0.00	0.00	0.00	0.00
	Average Net Loan	1575.00	525.00	0.00	0.00	0.00
	Rate of Interest on Loan	8.2100%	8.2100%	8.2100%	8.2100%	8.2100%
	Interest on Loan Annualised	129.31	43.10	0.00	0.00	0.00
11	Bonds- XXIII- Repayment from 05.08.2011					
	Gross loan - Opening	1700.00	1700.00	1700.00	1700.00	1700.00
	Cumulative repayments of Loans upto previous period	1360.00	1530.00	1700.00	1700.00	1700.00
	Net loan - Opening	340.00	170.00	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/Drawl during the period	0.00	0.00	0.00	0.00	0.00
	Total	340.00	170.00	0.00	0.00	0.00
	Repayments of Loans during the period	170.00	170.00	0.00	0.00	0.00
	Net loan - Closing	170.00	0.00	0.00	0.00	0.00
	Average Net Loan	255.00	85.00	0.00	0.00	0.00
	Rate of Interest on Loan	8.4100%	8.4100%	8.4100%	8.4100%	8.4100%
	Interest on Loan Annualised	21.45	7.15	0.00	0.00	0.00
12	BONDS-XXIV- Repayment from 09.09.2011					
	Gross loan - Opening	8000.00	8000.00	8000.00	8000.00	8000.00
	Cumulative repayments of Loans upto previous period	6400.00	7200.00	8000.00	8000.00	8000.00
	Net loan - Opening	1600.00	800.00	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/Drawl during the period	0.00	0.00	0.00	0.00	0.00

Calculation of Interest on Actual Loans						
Name of the Company		NTPC LTD.				
Name of the Power Station		Koldam				
		(Amount in lacs)				
Sl. no.	Particulars	2019-20	2020-21	2021-22	2022-23	2023-24
	Total	1600.00	800.00	0.00	0.00	0.00
	Repayments of Loans during the period	800.00	800.00	0.00	0.00	0.00
	Net loan - Closing	800.00	0.00	0.00	0.00	0.00
	Average Net Loan	1200.00	400.00	0.00	0.00	0.00
	Rate of Interest on Loan	8.6400%	8.6400%	8.6400%	8.6400%	8.6400%
	Interest on Loan Annualised	103.68	34.56	0.00	0.00	0.00
13	BONDS-XXX Bullet Repayment 05.05.2019					
	Gross loan - Opening	3000.00	3000.00	3000.00	3000.00	3000.00
	Cumulative repayments of Loans upto previous period	0.00	3000.00	3000.00	3000.00	3000.00
	Net loan - Opening	3000.00	0.00	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/Drawl during the period	0.00	0.00	0.00	0.00	0.00
	Total	3000.00	0.00	0.00	0.00	0.00
	Repayments of Loans during the period	3000.00	0.00	0.00	0.00	0.00
	Net loan - Closing	0.00	0.00	0.00	0.00	0.00
	Average Net Loan	1500.00	0.00	0.00	0.00	0.00
	Rate of Interest on Loan	7.9200%	7.9200%	7.9200%	7.9200%	7.9200%
	Interest on Loan Annualised	118.80	0.00	0.00	0.00	0.00
14	BONDS-XXXI Bullet Repayment 09.03.2020					
	Gross loan - Opening	10000.00	10000.00	10000.00	10000.00	10000.00
	Cumulative repayments of Loans upto previous period	0.00	10000.00	10000.00	10000.00	10000.00
	Net loan - Opening	10000.00	0.00	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/Drawl during the period	0.00	0.00	0.00	0.00	0.00
	Total	10000.00	0.00	0.00	0.00	0.00
	Repayments of Loans during the period	10000.00	0.00	0.00	0.00	0.00
	Net loan - Closing	0.00	0.00	0.00	0.00	0.00
	Average Net Loan	5000.00	0.00	0.00	0.00	0.00
	Rate of Interest on Loan	8.8100%	8.8100%	8.8100%	8.8100%	8.8100%
	Interest on Loan Annualised	440.50	0.00	0.00	0.00	0.00
15	BONDS-XXXII Repayment from 25.03.2016					
	Gross loan - Opening	7000.00	7000.00	7000.00	7000.00	7000.00
	Cumulative repayments of Loans upto previous period	1866.67	2333.33	2800.00	3266.67	3733.33
	Net loan - Opening	5133.33	4666.67	4200.00	3733.33	3266.67
	Increase/ Decrease due to FERV	0.00	0.00	0.00	0.00	0.00
	Increase/ Decrease due to ACE/Drawl during the period	0.00	0.00	0.00	0.00	0.00
	Total	5133.33	4666.67	4200.00	3733.33	3266.67
	Repayments of Loans during the period	466.67	466.67	466.67	466.67	466.67
	Net loan - Closing	4666.67	4200.00	3733.33	3266.67	2800.00
	Average Net Loan	4900.00	4433.33	3966.67	3500.00	3033.33
	Rate of Interest on Loan	8.8800%	8.8800%	8.8800%	8.8800%	8.8800%
	Interest on Loan Annualised	435.12	393.68	352.24	310.80	269.36
16	BONDS-XXXIV Repayment from 10.06.2016					
	Gross loan - Opening	3900.00	3900.00	3900.00	3900.00	3900.00
	Cumulative repayments of Loans upto previous period	780.00	1040.00	1300.00	1560.00	1820.00
	Net loan - Opening	3120.00	2860.00	2600.00	2340.00	2080.00
	Increase/ Decrease due to FERV	0.00	0.00	0.00	0.00	0.00
	Increase/ Decrease due to ACE/Drawl during the period	0.00	0.00	0.00	0.00	0.00
	Total	3120.00	2860.00	2600.00	2340.00	2080.00
	Repayments of Loans during the period	260.00	260.00	260.00	260.00	260.00
	Net loan - Closing	2860.00	2600.00	2340.00	2080.00	1820.00
	Average Net Loan	2990.00	2730.00	2470.00	2210.00	1950.00
	Rate of Interest on Loan	8.7400%	8.7400%	8.7400%	8.7400%	8.7400%
	Interest on Loan Annualised	261.33	238.60	215.88	193.15	170.43
17	BONDS-XXXVII Bullet repayment on 19.01.2021					
	Gross loan - Opening	6000.00	6000.00	6000.00	6000.00	6000.00
	Cumulative repayments of Loans upto previous period	0.00	0.00	6000.00	6000.00	6000.00
	Net loan - Opening	6000.00	6000.00	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/Drawl during the period	0.00	0.00	0.00	0.00	0.00
	Total	6000.00	6000.00	0.00	0.00	0.00
	Repayments of Loans during the period	0.00	6000.00	0.00	0.00	0.00
	Net loan - Closing	6000.00	0.00	0.00	0.00	0.00
	Average Net Loan	6000.00	3000.00	0.00	0.00	0.00
	Rate of Interest on Loan	8.9600%	8.9600%	8.9600%	8.9600%	8.9600%
	Interest on Loan Annualised	537.60	268.80	0.00	0.00	0.00
18	BONDS-XXXVIII repayment from 22.03.2017					
	Gross loan - Opening	700.00	700.00	700.00	700.00	700.00
	Cumulative repayments of Loans upto previous period	140.00	186.67	233.33	280.00	326.67

Calculation of Interest on Actual Loans						
Name of the Company		NTPC LTD.				
Name of the Power Station		Koldam				
		(Amount in lacs)				
Sl. no.	Particulars	2019-20	2020-21	2021-22	2022-23	2023-24
	Net loan - Opening	560.00	513.33	466.67	420.00	373.33
	Increase/ Decrease due to FERV	0.00	0.00	0.00	0.00	0.00
	Increase/ Decrease due to ACE/Drawl during the period	0.00	0.00	0.00	0.00	0.00
	Total	560.00	513.33	466.67	420.00	373.33
	Repayments of Loans during the period	46.67	46.67	46.67	46.67	46.67
	Net loan - Closing	513.33	466.67	420.00	373.33	326.67
	Average Net Loan	536.67	490.00	443.33	396.67	350.00
	Rate of Interest on Loan	9.2000%	9.2000%	9.2000%	9.2000%	9.2000%
	Interest on Loan Annualised	49.37	45.08	40.79	36.49	32.20
19	BONDS-XXXIX repayment from 09.06.2017					
	Gross loan - Opening	3100.00	3100.00	3100.00	3100.00	3100.00
	Cumulative repayments of Loans upto previous period	413.33	620.00	826.67	1033.33	1240.00
	Net loan - Opening	2686.67	2480.00	2273.33	2066.67	1860.00
	Increase/ Decrease due to FERV	0.00	0.00	0.00	0.00	0.00
	Increase/ Decrease due to ACE/Drawl during the period	0.00	0.00	0.00	0.00	0.00
	Total	2686.67	2480.00	2273.33	2066.67	1860.00
	Repayments of Loans during the period	206.67	206.67	206.67	206.67	206.67
	Net loan - Closing	2480.00	2273.33	2066.67	1860.00	1653.33
	Average Net Loan	2583.33	2376.67	2170.00	1963.33	1756.67
	Rate of Interest on Loan	9.4200%	9.4200%	9.4200%	9.4200%	9.4200%
	Interest on Loan Annualised	243.35	223.88	204.41	184.95	165.48
20	BONDS-XLI repayment from 23.12.2017					
	Gross loan - Opening	3000.00	3000.00	3000.00	3000.00	3000.00
	Cumulative repayments of Loans upto previous period	400.00	600.00	800.00	1000.00	1200.00
	Net loan - Opening	2600.00	2400.00	2200.00	2000.00	1800.00
	Increase/ Decrease due to FERV	0.00	0.00	0.00	0.00	0.00
	Increase/ Decrease due to ACE/Drawl during the period	0.00	0.00	0.00	0.00	0.00
	Total	2600.00	2400.00	2200.00	2000.00	1800.00
	Repayments of Loans during the period	200.00	200.00	200.00	200.00	200.00
	Net loan - Closing	2400.00	2200.00	2000.00	1800.00	1600.00
	Average Net Loan	2500.00	2300.00	2100.00	1900.00	1700.00
	Rate of Interest on Loan	9.7013%	9.7013%	9.7013%	9.7013%	9.7013%
	Interest on Loan Annualised	242.53	223.13	203.73	184.32	164.92
21	BONDS-XLII repayment from 25.01.2023					
	Gross loan - Opening	7500.00	7500.00	7500.00	7500.00	7500.00
	Cumulative repayments of Loans upto previous period	0.00	0.00	0.00	0.00	1500.00
	Net loan - Opening	7500.00	7500.00	7500.00	7500.00	6000.00
	Increase/ Decrease due to FERV	0.00	0.00	0.00	0.00	0.00
	Increase/ Decrease due to ACE/Drawl during the period	0.00	0.00	0.00	0.00	0.00
	Total	7500.00	7500.00	7500.00	7500.00	6000.00
	Repayments of Loans during the period	0.00	0.00	0.00	1500.00	1500.00
	Net loan - Closing	7500.00	7500.00	7500.00	6000.00	4500.00
	Average Net Loan	7500.00	7500.00	7500.00	6750.00	5250.00
	Rate of Interest on Loan	9.0300%	9.0300%	9.0300%	9.0300%	9.0300%
	Interest on Loan Annualised	677.25	677.25	677.25	609.53	474.08
22	BONDS-XLVII Bullet repayment 04.10.2022					
	Gross loan - Opening	8500.00	8500.00	8500.00	8500.00	8500.00
	Cumulative repayments of Loans upto previous period	0.00	0.00	0.00	0.00	8500.00
	Net loan - Opening	8500.00	8500.00	8500.00	8500.00	0.00
	Increase/ Decrease due to FERV	0.00	0.00	0.00	0.00	0.00
	Increase/ Decrease due to ACE/Drawl during the period	0.00	0.00	0.00	0.00	0.00
	Total	8500.00	8500.00	8500.00	8500.00	0.00
	Repayments of Loans during the period	0.00	0.00	0.00	8500.00	0.00
	Net loan - Closing	8500.00	8500.00	8500.00	0.00	0.00
	Average Net Loan	8500.00	8500.00	8500.00	4250.00	0.00
	Rate of Interest on Loan	8.8700%	8.8700%	8.8700%	8.8700%	8.8700%
	Interest on Loan Annualised	753.95	753.95	753.95	376.98	0.00
23	BONDS-XLVIII Bullet repayment 07.03.2023					
	Gross loan - Opening	5500.00	5500.00	5500.00	5500.00	5500.00
	Cumulative repayments of Loans upto previous period	0.00	0.00	0.00	0.00	5500.00
	Net loan - Opening	5500.00	5500.00	5500.00	5500.00	0.00
	Increase/ Decrease due to FERV	0.00	0.00	0.00	0.00	0.00
	Increase/ Decrease due to ACE/Drawl during the period	0.00	0.00	0.00	0.00	0.00
	Total	5500.00	5500.00	5500.00	5500.00	0.00
	Repayments of Loans during the period	0.00	0.00	0.00	5500.00	0.00
	Net loan - Closing	5500.00	5500.00	5500.00	0.00	0.00
	Average Net Loan	5500.00	5500.00	5500.00	2750.00	0.00
	Rate of Interest on Loan	8.7600%	8.7600%	8.7600%	8.7600%	8.7600%
	Interest on Loan Annualised	481.80	481.80	481.80	240.90	0.00

Calculation of Interest on Actual Loans						
Name of the Company		NTPC LTD.				
Name of the Power Station		Koldam				
		(Amount in lacs)				
Sl. no.	Particulars	2019-20	2020-21	2021-22	2022-23	2023-24
24	BONDS-XLIX Bullet repayment 04.04.2023					
	Gross loan - Opening	3200.00	3200.00	3200.00	3200.00	3200.00
	Cumulative repayments of Loans upto previous period	0.00	0.00	0.00	0.00	0.00
	Net loan - Opening	3200.00	3200.00	3200.00	3200.00	3200.00
	Increase/ Decrease due to FERV	0.00	0.00	0.00	0.00	0.00
	Increase/ Decrease due to ACE/Drawl during the period	0.00	0.00	0.00	0.00	0.00
	Total	3200.00	3200.00	3200.00	3200.00	3200.00
	Repayments of Loans during the period	0.00	0.00	0.00	0.00	3200.00
	Net loan - Closing	3200.00	3200.00	3200.00	3200.00	0.00
	Average Net Loan	3200.00	3200.00	3200.00	3200.00	1600.00
	Rate of Interest on Loan	8.8300%	8.8300%	8.8300%	8.8300%	8.8300%
	Interest on Loan Annualised	282.56	282.56	282.56	282.56	141.28
25	BONDS-L 1A Bullet repayment 16.12.2023					
	Gross loan - Opening	6023.64	6023.64	6023.64	6023.64	6023.64
	Cumulative repayments of Loans upto previous period	0.00	0.00	0.00	0.00	0.00
	Net loan - Opening	6023.64	6023.64	6023.64	6023.64	6023.64
	Increase/ Decrease due to FERV	0.00	0.00	0.00	0.00	0.00
	Increase/ Decrease due to ACE/Drawl during the period	0.00	0.00	0.00	0.00	0.00
	Total	6023.64	6023.64	6023.64	6023.64	6023.64
	Repayments of Loans during the period	0.00	0.00	0.00	0.00	6023.64
	Net loan - Closing	6023.64	6023.64	6023.64	6023.64	0.00
	Average Net Loan	6023.64	6023.64	6023.64	6023.64	3011.82
	Rate of Interest on Loan	8.4400%	8.4400%	8.4400%	8.4400%	8.4400%
	Interest on Loan Annualised	508.40	508.40	508.40	508.40	254.20
26	BONDS-L 2A Bullet repayment 16.12.2028					
	Gross loan - Opening	3085.05	3085.05	3085.05	3085.05	3085.05
	Cumulative repayments of Loans upto previous period	0.00	0.00	0.00	0.00	0.00
	Net loan - Opening	3085.05	3085.05	3085.05	3085.05	3085.05
	Increase/ Decrease due to FERV	0.00	0.00	0.00	0.00	0.00
	Increase/ Decrease due to ACE/Drawl during the period	0.00	0.00	0.00	0.00	0.00
	Total	3085.05	3085.05	3085.05	3085.05	3085.05
	Repayments of Loans during the period	0.00	0.00	0.00	0.00	0.00
	Net loan - Closing	3085.05	3085.05	3085.05	3085.05	3085.05
	Average Net Loan	3085.05	3085.05	3085.05	3085.05	3085.05
	Rate of Interest on Loan	8.5100%	8.5100%	8.5100%	8.5100%	8.5100%
	Interest on Loan Annualised	262.54	262.54	262.54	262.54	262.54
27	BONDS-L 3A Bullet repayment 16.12.2033					
	Gross loan - Opening	3851.31	3851.31	3851.31	3851.31	3851.31
	Cumulative repayments of Loans upto previous period	0.00	0.00	0.00	0.00	0.00
	Net loan - Opening	3851.31	3851.31	3851.31	3851.31	3851.31
	Increase/ Decrease due to FERV	0.00	0.00	0.00	0.00	0.00
	Increase/ Decrease due to ACE/Drawl during the period	0.00	0.00	0.00	0.00	0.00
	Total	3851.31	3851.31	3851.31	3851.31	3851.31
	Repayments of Loans during the period	0.00	0.00	0.00	0.00	0.00
	Net loan - Closing	3851.31	3851.31	3851.31	3851.31	3851.31
	Average Net Loan	3851.31	3851.31	3851.31	3851.31	3851.31
	Rate of Interest on Loan	8.6900%	8.6900%	8.6900%	8.6900%	8.6900%
	Interest on Loan Annualised	334.68	334.68	334.68	334.68	334.68
28	BONDS-L 1B Bullet repayment 16.12.2023					
	Gross loan - Opening	2575.20	2575.20	2575.20	2575.20	2575.20
	Cumulative repayments of Loans upto previous period	0.00	0.00	0.00	0.00	0.00
	Net loan - Opening	2575.20	2575.20	2575.20	2575.20	2575.20
	Increase/ Decrease due to FERV	0.00	0.00	0.00	0.00	0.00
	Increase/ Decrease due to ACE/Drawl during the period	0.00	0.00	0.00	0.00	0.00
	Total	2575.20	2575.20	2575.20	2575.20	2575.20
	Repayments of Loans during the period	0.00	0.00	0.00	0.00	2575.20
	Net loan - Closing	2575.20	2575.20	2575.20	2575.20	0.00
	Average Net Loan	2575.20	2575.20	2575.20	2575.20	1287.60
	Rate of Interest on Loan	8.6900%	8.6900%	8.6900%	8.6900%	8.6900%
	Interest on Loan Annualised	223.79	223.79	223.79	223.79	111.89
29	BONDS-L 2B Bullet repayment 16.12.2028					
	Gross loan - Opening	1128.05	1128.05	1128.05	1128.05	1128.05
	Cumulative repayments of Loans upto previous period	0.00	0.00	0.00	0.00	0.00
	Net loan - Opening	1128.05	1128.05	1128.05	1128.05	1128.05
	Increase/ Decrease due to FERV	0.00	0.00	0.00	0.00	0.00
	Increase/ Decrease due to ACE/Drawl during the period	0.00	0.00	0.00	0.00	0.00
	Total	1128.05	1128.05	1128.05	1128.05	1128.05
	Repayments of Loans during the period	0.00	0.00	0.00	0.00	0.00
	Net loan - Closing	1128.05	1128.05	1128.05	1128.05	1128.05
	Average Net Loan	1128.05	1128.05	1128.05	1128.05	1128.05

Calculation of Interest on Actual Loans						
Name of the Company		NTPC LTD.				
Name of the Power Station		Koldam				(Amount in lacs)
Sl. no.	Particulars	2019-20	2020-21	2021-22	2022-23	2023-24
	Rate of Interest on Loan	8.7600%	8.7600%	8.7600%	8.7600%	8.7600%
	Interest on Loan Annualised	98.82	98.82	98.82	98.82	98.82
30	BONDS-L 3B Bullet repayment 16.12.2033					
	Gross loan - Opening	4936.75	4936.75	4936.75	4936.75	4936.75
	Cumulative repayments of Loans upto previous period	0.00	0.00	0.00	0.00	0.00
	Net loan - Opening	4936.75	4936.75	4936.75	4936.75	4936.75
	Increase/ Decrease due to FERV	0.00	0.00	0.00	0.00	0.00
	Increase/ Decrease due to ACE/Drawl during the period	0.00	0.00	0.00	0.00	0.00
	Total	4936.75	4936.75	4936.75	4936.75	4936.75
	Repayments of Loans during the period	0.00	0.00	0.00	0.00	0.00
	Net loan - Closing	4936.75	4936.75	4936.75	4936.75	4936.75
	Average Net Loan	4936.75	4936.75	4936.75	4936.75	4936.75
	Rate of Interest on Loan	8.9400%	8.9400%	8.9400%	8.9400%	8.9400%
	Interest on Loan Annualised	441.35	441.35	441.35	441.35	441.35
31	BONDS-LI A Bullet repayment 04.03.2024					
	Gross loan - Opening	6500.00	6500.00	6500.00	6500.00	6500.00
	Cumulative repayments of Loans upto previous period	0.00	0.00	0.00	0.00	0.00
	Net loan - Opening	6500.00	6500.00	6500.00	6500.00	6500.00
	Increase/ Decrease due to FERV	0.00	0.00	0.00	0.00	0.00
	Increase/ Decrease due to ACE/Drawl during the period	0.00	0.00	0.00	0.00	0.00
	Total	6500.00	6500.00	6500.00	6500.00	6500.00
	Repayments of Loans during the period	0.00	0.00	0.00	0.00	6500.00
	Net loan - Closing	6500.00	6500.00	6500.00	6500.00	0.00
	Average Net Loan	6500.00	6500.00	6500.00	6500.00	3250.00
	Rate of Interest on Loan	8.2200%	8.2200%	8.2200%	8.2200%	8.2200%
	Interest on Loan Annualised	534.30	534.30	534.30	534.30	267.15
32	BONDS-LI B Bullet repayment from 04.03.2029					
	Gross loan - Opening	4200.00	4200.00	4200.00	4200.00	4200.00
	Cumulative repayments of Loans upto previous period	0.00	0.00	0.00	0.00	0.00
	Net loan - Opening	4200.00	4200.00	4200.00	4200.00	4200.00
	Increase/ Decrease due to FERV	0.00	0.00	0.00	0.00	0.00
	Increase/ Decrease due to ACE/Drawl during the period	0.00	0.00	0.00	0.00	0.00
	Total	4200.00	4200.00	4200.00	4200.00	4200.00
	Repayments of Loans during the period	0.00	0.00	0.00	0.00	0.00
	Net loan - Closing	4200.00	4200.00	4200.00	4200.00	4200.00
	Average Net Loan	4200.00	4200.00	4200.00	4200.00	4200.00
	Rate of Interest on Loan	8.6600%	8.6600%	8.6600%	8.6600%	8.6600%
	Interest on Loan Annualised	363.72	363.72	363.72	363.72	363.72
33	BONDS-L II Bullet repayment from 24.03.2024					
	Gross loan - Opening	4100.00	4100.00	4100.00	4100.00	4100.00
	Cumulative repayments of Loans upto previous period	0.00	0.00	0.00	0.00	0.00
	Net loan - Opening	4100.00	4100.00	4100.00	4100.00	4100.00
	Increase/ Decrease due to FERV	0.00	0.00	0.00	0.00	0.00
	Increase/ Decrease due to ACE/Drawl during the period	0.00	0.00	0.00	0.00	0.00
	Total	4100.00	4100.00	4100.00	4100.00	4100.00
	Repayments of Loans during the period	0.00	0.00	0.00	0.00	4100.00
	Net loan - Closing	4100.00	4100.00	4100.00	4100.00	0.00
	Average Net Loan	4100.00	4100.00	4100.00	4100.00	2050.00
	Rate of Interest on Loan	9.3700%	9.3700%	9.3700%	9.3700%	9.3700%
	Interest on Loan Annualised	384.17	384.17	384.17	384.17	192.09
34	BONDS-L III Bullet repayment from 22.09.2024					
	Gross loan - Opening	6500.00	6500.00	6500.00	6500.00	6500.00
	Cumulative repayments of Loans upto previous period	0.00	0.00	0.00	0.00	0.00
	Net loan - Opening	6500.00	6500.00	6500.00	6500.00	6500.00
	Increase/ Decrease due to FERV	0.00	0.00	0.00	0.00	0.00
	Increase/ Decrease due to ACE/Drawl during the period	0.00	0.00	0.00	0.00	0.00
	Total	6500.00	6500.00	6500.00	6500.00	6500.00
	Repayments of Loans during the period	0.00	0.00	0.00	0.00	0.00
	Net loan - Closing	6500.00	6500.00	6500.00	6500.00	6500.00
	Average Net Loan	6500.00	6500.00	6500.00	6500.00	6500.00
	Rate of Interest on Loan	9.2000%	9.2000%	9.2000%	9.2000%	9.2000%
	Interest on Loan Annualised	598.00	598.00	598.00	598.00	598.00
35	BONDS-L IV (In Instalments from 8th yr. i.e. 25.03.23)					
	Gross loan - Opening	25100.00	25100.00	25100.00	25100.00	25100.00
	Cumulative repayments of Loans upto previous period	0.00	0.00	0.00	0.00	5020.00
	Net loan - Opening	25100.00	25100.00	25100.00	25100.00	20080.00
	Increase/ Decrease due to FERV	0.00	0.00	0.00	0.00	0.00
	Increase/ Decrease due to ACE/Drawl during the period	0.00	0.00	0.00	0.00	0.00
	Total	25100.00	25100.00	25100.00	25100.00	20080.00

141

Calculation of Interest on Actual Loans						
Name of the Company		NTPC LTD.				
Name of the Power Station		Koldam				
		(Amount in lacs)				
Sl. no.	Particulars	2019-20	2020-21	2021-22	2022-23	2023-24
	Repayments of Loans during the period	0.00	0.00	0.00	5020.00	10040.00
	Net loan - Closing	25100.00	25100.00	25100.00	20080.00	10040.00
	Average Net Loan	25100.00	25100.00	25100.00	22590.00	15060.00
	Rate of Interest on Loan	8.5200%	8.5200%	8.5200%	8.5200%	8.5200%
	Interest on Loan Annualised	2138.52	2138.52	2138.52	1924.67	1283.11
36	5.625% Fixed Rate Note Bullet repayment on 14.07.2021					
	Gross loan - Opening	6590.63	6590.63	6590.63	6590.63	6590.63
	Cumulative repayments of Loans upto previous period	0.00	0.00	0.00	6590.63	6590.63
	Net loan - Opening	6590.63	6590.63	6590.63	0.00	0.00
	Increase/ Decrease due to FERV	0.00	0.00	0.00	0.00	0.00
	Increase/ Decrease due to ACE/Drawl during the period	0.00	0.00	0.00	0.00	0.00
	Total	6590.63	6590.63	6590.63	0.00	0.00
	Repayments of Loans during the period	0.00	0.00	6590.63	0.00	0.00
	Net loan - Closing	6590.63	6590.63	0.00	0.00	0.00
	Average Net Loan	6590.63	6590.63	3295.31	0.00	0.00
	Rate of Interest on Loan	7.1968%	7.1968%	7.1968%	7.1968%	7.1968%
	Interest on Loan Annualised	474.31	474.31	237.16	0.00	0.00
37	4.75% Fixed Rate Note Bullet repayment on 03.10.2022					
	Gross loan - Opening	20593.07	20593.07	20593.07	20593.07	20593.07
	Cumulative repayments of Loans upto previous period	0.00	0.00	0.00	0.00	20593.07
	Net loan - Opening	20593.07	20593.07	20593.07	20593.07	0.00
	Increase/ Decrease due to FERV	0.00	0.00	0.00	0.00	0.00
	Increase/ Decrease due to ACE/Drawl during the period	0.00	0.00	0.00	0.00	0.00
	Total	20593.07	20593.07	20593.07	20593.07	0.00
	Repayments of Loans during the period	0.00	0.00	0.00	20593.07	0.00
	Net loan - Closing	20593.07	20593.07	20593.07	0.00	0.00
	Average Net Loan	20593.07	20593.07	20593.07	10296.53	0.00
	Rate of Interest on Loan	5.0243%	5.0243%	5.0243%	5.0243%	5.0243%
	Interest on Loan Annualised	1034.66	1034.66	1034.66	517.33	0.00
38	4.375% Fixed Rate Note Bullet repayment on 26.11.2024					
	Gross loan - Opening	11089.04	11089.04	11089.04	11089.04	11089.04
	Cumulative repayments of Loans upto previous period	0.00	0.00	0.00	0.00	0.00
	Net loan - Opening	11089.04	11089.04	11089.04	11089.04	11089.04
	Increase/ Decrease due to FERV	0.00	0.00	0.00	0.00	0.00
	Increase/ Decrease due to ACE/Drawl during the period	0.00	0.00	0.00	0.00	0.00
	Total	11089.04	11089.04	11089.04	11089.04	11089.04
	Repayments of Loans during the period	0.00	0.00	0.00	0.00	0.00
	Net loan - Closing	11089.04	11089.04	11089.04	11089.04	11089.04
	Average Net Loan	11089.04	11089.04	11089.04	11089.04	11089.04
	Rate of Interest on Loan	4.6277%	4.6277%	4.6277%	4.6277%	4.6277%
	Interest on Loan Annualised	513.16	513.16	513.16	513.16	513.16
39	Corporation Bank-IV D1 repayment from 11.01.2023 (ICICI Bank-V Prepayment Loan)					
	Gross loan - Opening	27151.79	27151.79	27151.79	27151.79	27151.79
	Cumulative repayments of Loans upto previous period	0.00	0.00	0.00	0.00	3016.87
	Net loan - Opening	27151.79	27151.79	27151.79	27151.79	24134.92
	Increase/ Decrease due to FERV	0.00	0.00	0.00	0.00	0.00
	Increase/ Decrease due to ACE/Drawl during the period	0.00	0.00	0.00	0.00	0.00
	Total	27151.79	27151.79	27151.79	27151.79	24134.92
	Repayments of Loans during the period	0.00	0.00	0.00	3016.87	3016.87
	Net loan - Closing	27151.79	27151.79	27151.79	24134.92	21118.06
	Average Net Loan	27151.79	27151.79	27151.79	25643.35	22626.49
	Rate of Interest on Loan	8.3833%	8.3833%	8.3833%	8.3833%	8.3833%
	Interest on Loan Annualised	2276.22	2276.22	2276.22	2149.77	1896.85
40	Punjab National Bank-III D1 repayment from 01.02.2022					
	Gross loan - Opening	643.00	643.00	643.00	643.00	643.00
	Cumulative repayments of Loans upto previous period	0.00	0.00	0.00	71.44	142.89
	Net loan - Opening	643.00	643.00	643.00	571.56	500.11
	Increase/ Decrease due to FERV	0.00	0.00	0.00	0.00	0.00
	Increase/ Decrease due to ACE/Drawl during the period	0.00	0.00	0.00	0.00	0.00
	Total	643.00	643.00	643.00	571.56	500.11
	Repayments of Loans during the period	0.00	0.00	71.44	71.44	71.44
	Net loan - Closing	643.00	643.00	571.56	500.11	428.67
	Average Net Loan	643.00	643.00	607.28	535.83	464.39
	Rate of Interest on Loan	8.6000%	8.6000%	8.6000%	8.6000%	8.6000%
	Interest on Loan Annualised	55.30	55.30	52.23	46.08	39.94
41	Jammu & Kashmir Bank-IV D2 repayment from 31.03.2021					
	Gross loan - Opening	3800.00	3800.00	3800.00	3800.00	3800.00
	Cumulative repayments of Loans upto previous period	0.00	0.00	422.22	844.44	1266.67

Calculation of Interest on Actual Loans						
Name of the Company		NTPC LTD.				
Name of the Power Station		Koldam				
		(Amount in lacs)				
Sl. no.	Particulars	2019-20	2020-21	2021-22	2022-23	2023-24
	Net loan - Opening	3800.00	3800.00	3377.78	2955.56	2533.33
	Increase/ Decrease due to FERV	0.00	0.00	0.00	0.00	0.00
	Increase/ Decrease due to ACE/Drawl during the period	0.00	0.00	0.00	0.00	0.00
	Total	3800.00	3800.00	3377.78	2955.56	2533.33
	Repayments of Loans during the period	0.00	422.22	422.22	422.22	422.22
	Net loan - Closing	3800.00	3377.78	2955.56	2533.33	2111.11
	Average Net Loan	3800.00	3588.89	3166.67	2744.44	2322.22
	Rate of Interest on Loan	8.3000%	8.3000%	8.3000%	8.3000%	8.3000%
	Interest on Loan Annualised	315.40	297.88	262.83	227.79	192.74
42	SBI-VIII D4 repayment from 31.01.2022					
	Gross loan - Opening	2900.00	2900.00	2900.00	2900.00	2900.00
	Cumulative repayments of Loans upto previous period	0.00	0.00	0.00	322.22	644.44
	Net loan - Opening	2900.00	2900.00	2900.00	2577.78	2255.56
	Increase/ Decrease due to FERV	0.00	0.00	0.00	0.00	0.00
	Increase/ Decrease due to ACE/Drawl during the period	0.00	0.00	0.00	0.00	0.00
	Total	2900.00	2900.00	2900.00	2577.78	2255.56
	Repayments of Loans during the period	0.00	0.00	322.22	322.22	322.22
	Net loan - Closing	2900.00	2900.00	2577.78	2255.56	1933.33
	Average Net Loan	2900.00	2900.00	2738.89	2416.67	2094.44
	Rate of Interest on Loan	8.2500%	8.2500%	8.2500%	8.2500%	8.2500%
	Interest on Loan Annualised	239.25	239.25	225.96	199.38	172.79
43	SBI-VIII D7 repayment from 31.01.2022					
	Gross loan - Opening	1000.00	1000.00	1000.00	1000.00	1000.00
	Cumulative repayments of Loans upto previous period	0.00	0.00	0.00	111.11	222.22
	Net loan - Opening	1000.00	1000.00	1000.00	888.89	777.78
	Increase/ Decrease due to FERV	0.00	0.00	0.00	0.00	0.00
	Increase/ Decrease due to ACE/Drawl during the period	0.00	0.00	0.00	0.00	0.00
	Total	1000.00	1000.00	1000.00	888.89	777.78
	Repayments of Loans during the period	0.00	0.00	111.11	111.11	111.11
	Net loan - Closing	1000.00	1000.00	888.89	777.78	666.67
	Average Net Loan	1000.00	1000.00	944.44	833.33	722.22
	Rate of Interest on Loan	8.2500%	8.2500%	8.2500%	8.2500%	8.2500%
	Interest on Loan Annualised	82.50	82.50	77.92	68.75	59.58
44	SBI-VIII D21 repayment from 31.01.2022					
	Gross loan - Opening	1800.00	1800.00	1800.00	1800.00	1800.00
	Cumulative repayments of Loans upto previous period	0.00	0.00	0.00	200.00	400.00
	Net loan - Opening	1800.00	1800.00	1800.00	1600.00	1400.00
	Increase/ Decrease due to FERV	0.00	0.00	0.00	0.00	0.00
	Increase/ Decrease due to ACE/Drawl during the period	0.00	0.00	0.00	0.00	0.00
	Total	1800.00	1800.00	1800.00	1600.00	1400.00
	Repayments of Loans during the period	0.00	0.00	200.00	200.00	200.00
	Net loan - Closing	1800.00	1800.00	1600.00	1400.00	1200.00
	Average Net Loan	1800.00	1800.00	1700.00	1500.00	1300.00
	Rate of Interest on Loan	8.2500%	8.2500%	8.2500%	8.2500%	8.2500%
	Interest on Loan Annualised	148.50	148.50	140.25	123.75	107.25
45	SBI-VIII D24 repayment from 31.01.2022					
	Gross loan - Opening	9285.71	9285.71	9285.71	9285.71	9285.71
	Cumulative repayments of Loans upto previous period	0.00	0.00	0.00	1031.75	2063.49
	Net loan - Opening	9285.71	9285.71	9285.71	8253.96	7222.22
	Increase/ Decrease due to FERV	0.00	0.00	0.00	0.00	0.00
	Increase/ Decrease due to ACE/Drawl during the period	0.00	0.00	0.00	0.00	0.00
	Total	9285.71	9285.71	9285.71	8253.96	7222.22
	Repayments of Loans during the period	0.00	0.00	1031.75	1031.75	1031.75
	Net loan - Closing	9285.71	9285.71	8253.96	7222.22	6190.47
	Average Net Loan	9285.71	9285.71	8769.84	7738.09	6706.35
	Rate of Interest on Loan	8.7141%	8.7141%	8.7141%	8.7141%	8.7141%
	Interest on Loan Annualised	809.17	809.17	764.21	674.31	584.40
46	SBI-IX D2 repayment from 31.03.2021					
	Gross loan - Opening	1000.00	1000.00	1000.00	1000.00	1000.00
	Cumulative repayments of Loans upto previous period	0.00	0.00	111.11	222.22	333.33
	Net loan - Opening	1000.00	1000.00	888.89	777.78	666.67
	Increase/ Decrease due to FERV	0.00	0.00	0.00	0.00	0.00
	Increase/ Decrease due to ACE/Drawl during the period	0.00	0.00	0.00	0.00	0.00
	Total	1000.00	1000.00	888.89	777.78	666.67
	Repayments of Loans during the period	0.00	111.11	111.11	111.11	111.11
	Net loan - Closing	1000.00	888.89	777.78	666.67	555.56
	Average Net Loan	1000.00	944.44	833.33	722.22	611.11
	Rate of Interest on Loan	8.2500%	8.2500%	8.2500%	8.2500%	8.2500%
	Interest on Loan Annualised	82.50	77.92	68.75	59.58	50.42

Calculation of Interest on Actual Loans						
Name of the Company		NTPC LTD.				
Name of the Power Station		Koldam				
		(Amount in lacs)				
Sl. no.	Particulars	2019-20	2020-21	2021-22	2022-23	2023-24
47	SBI-IX D5 repayment from 31.03.2021					
	Gross loan - Opening	500.00	500.00	500.00	500.00	500.00
	Cumulative repayments of Loans upto previous period	0.00	0.00	55.56	111.11	166.67
	Net loan - Opening	500.00	500.00	444.44	388.89	333.33
	Increase/ Decrease due to FERV	0.00	0.00	0.00	0.00	0.00
	Increase/ Decrease due to ACE/Drawl during the period	0.00	0.00	0.00	0.00	0.00
	Total	500.00	500.00	444.44	388.89	333.33
	Repayments of Loans during the period	0.00	55.56	55.56	55.56	55.56
	Net loan - Closing	500.00	444.44	388.89	333.33	277.78
	Average Net Loan	500.00	472.22	416.67	361.11	305.56
	Rate of Interest on Loan	8.2500%	8.2500%	8.2500%	8.2500%	8.2500%
	Interest on Loan Annualised	41.25	38.96	34.38	29.79	25.21
48	SBI-X D2 repayment from 01.10.2024					
	Gross loan - Opening	2000.00	2000.00	2000.00	2000.00	2000.00
	Cumulative repayments of Loans upto previous period	0.00	0.00	0.00	0.00	0.00
	Net loan - Opening	2000.00	2000.00	2000.00	2000.00	2000.00
	Increase/ Decrease due to FERV	0.00	0.00	0.00	0.00	0.00
	Increase/ Decrease due to ACE/Drawl during the period	0.00	0.00	0.00	0.00	0.00
	Total	2000.00	2000.00	2000.00	2000.00	2000.00
	Repayments of Loans during the period	0.00	0.00	0.00	0.00	0.00
	Net loan - Closing	2000.00	2000.00	2000.00	2000.00	2000.00
	Average Net Loan	2000.00	2000.00	2000.00	2000.00	2000.00
	Rate of Interest on Loan	8.2500%	8.2500%	8.2500%	8.2500%	8.2500%
	Interest on Loan Annualised	165.00	165.00	165.00	165.00	165.00
49	ICICI-IV D10 repayment from 16.02.2023(LIC IV prepayment Loan)					
	Gross loan - Opening	643.00	643.00	643.00	643.00	643.00
	Cumulative repayments of Loans upto previous period	0.00	0.00	0.00	0.00	71.44
	Net loan - Opening	643.00	643.00	643.00	643.00	571.56
	Increase/ Decrease due to FERV	0.00	0.00	0.00	0.00	0.00
	Increase/ Decrease due to ACE/Drawl during the period	0.00	0.00	0.00	0.00	0.00
	Total	643.00	643.00	643.00	643.00	571.56
	Repayments of Loans during the period	0.00	0.00	0.00	71.44	71.44
	Net loan - Closing	643.00	643.00	643.00	571.56	500.11
	Average Net Loan	643.00	643.00	643.00	607.28	535.83
	Rate of Interest on Loan	9.2033%	9.2033%	9.2033%	9.2033%	9.2033%
	Interest on Loan Annualised	59.18	59.18	59.18	55.89	49.31
50	BONDS-L VII Bullet repayment from 15.12.2025					
	Gross loan - Opening	3700.00	3700.00	3700.00	3700.00	3700.00
	Cumulative repayments of Loans upto previous period	0.00	0.00	0.00	0.00	0.00
	Net loan - Opening	3700.00	3700.00	3700.00	3700.00	3700.00
	Increase/ Decrease due to FERV	0.00	0.00	0.00	0.00	0.00
	Increase/ Decrease due to ACE/Drawl during the period	0.00	0.00	0.00	0.00	0.00
	Total	3700.00	3700.00	3700.00	3700.00	3700.00
	Repayments of Loans during the period	0.00	0.00	0.00	0.00	0.00
	Net loan - Closing	3700.00	3700.00	3700.00	3700.00	3700.00
	Average Net Loan	3700.00	3700.00	3700.00	3700.00	3700.00
	Rate of Interest on Loan	8.2200%	8.2200%	8.2200%	8.2200%	8.2200%
	Interest on Loan Annualised	304.14	304.14	304.14	304.14	304.14
51	BONDS-LX VI Bullet repayment from 14.12.2031					
	Gross loan - Opening	900.00	900.00	900.00	900.00	900.00
	Cumulative repayments of Loans upto previous period	0.00	0.00	0.00	0.00	0.00
	Net loan - Opening	900.00	900.00	900.00	900.00	900.00
	Increase/ Decrease due to FERV	0.00	0.00	0.00	0.00	0.00
	Increase/ Decrease due to ACE/Drawl during the period	0.00	0.00	0.00	0.00	0.00
	Total	900.00	900.00	900.00	900.00	900.00
	Repayments of Loans during the period	0.00	0.00	0.00	0.00	0.00
	Net loan - Closing	900.00	900.00	900.00	900.00	900.00
	Average Net Loan	900.00	900.00	900.00	900.00	900.00
	Rate of Interest on Loan	7.4000%	7.4000%	7.4000%	7.4000%	7.4000%
	Interest on Loan Annualised	66.60	66.60	66.60	66.60	66.60
52	BONDS-LXVII Bullet repayment from 15.01.2029 (ICICI Bank V & VI Prepayment Loan)					
	Gross loan - Opening	8598.21	8598.21	8598.21	8598.21	8598.21
	Cumulative repayments of Loans upto previous period	0.00	0.00	0.00	0.00	0.00
	Net loan - Opening	8598.21	8598.21	8598.21	8598.21	8598.21
	Increase/ Decrease due to FERV	0.00	0.00	0.00	0.00	0.00
	Increase/ Decrease due to ACE/Drawl during the period	0.00	0.00	0.00	0.00	0.00
	Total	8598.21	8598.21	8598.21	8598.21	8598.21
	Repayments of Loans during the period	0.00	0.00	0.00	0.00	0.00
	Net loan - Closing	8598.21	8598.21	8598.21	8598.21	8598.21

149

Calculation of Interest on Actual Loans						
Name of the Company		NTPC LTD.				
Name of the Power Station		Koldam				
		(Amount in lacs)				
Sl. no.	Particulars	2019-20	2020-21	2021-22	2022-23	2023-24
	Average Net Loan	8598.21	8598.21	8598.21	8598.21	8598.21
	Rate of Interest on Loan	8.4300%	8.4300%	8.4300%	8.4300%	8.4300%
	Interest on Loan Annualised	724.83	724.83	724.83	724.83	724.83
	TOTAL LOAN					
	Gross loan - Opening	427194.45	427194.45	427194.45	427194.45	427194.45
	Cumulative repayments of Loans upto previous period	101939.25	135640.87	162445.67	189057.62	253280.32
	Net loan - Opening	325255.20	291553.58	264748.78	238136.83	173914.13
	Increase/ Decrease due to FERV	0.00	0.00	0.00	0.00	0.00
	Increase/ Decrease due to ACE/Drawl during the period	0.00	0.00	0.00	0.00	0.00
	Total	325255.20	291553.58	264748.78	238136.83	173914.13
	Repayments of Loans during the period	33701.62	26804.80	26611.95	64222.70	49415.14
	Net loan - Closing	291553.58	264748.78	238136.83	173914.13	124498.99
	Average Net Loan	308404.39	278151.18	251442.81	206025.48	149206.56
	Rate of Interest on Loan	8.1339%	8.0990%	8.0809%	8.1854%	8.2878%
	Interest on Loan Annualised	25085.36	22527.54	20318.78	16864.08	12365.99
	Note: In case of foreign loans (Fixed rate Note), opening loan balance considered at following exchange rate					
	Exchange rate 17.07.2015 US \$= INR 64.08					
	For Fixed rate Note 2011 exchange rate as on date of repayment considered US \$= INR 45.14					
	PFC T1 D-1 repayment from 15.07.2013					
	Gross loan - Opening	3000.00	3000.00	3000.00	3000.00	3000.00
	Cumulative repayments of Loans upto previous period	1437.50	1687.50	1937.50	2187.50	2437.50
	Net loan - Opening	1562.50	1312.50	1062.50	812.50	562.50
	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	1562.50	1312.50	1062.50	812.50	562.50
	Repayments of Loans during the period	250.00	250.00	250.00	250.00	250.00
	Net loan - Closing	1312.50	1062.50	812.50	562.50	312.50
	Average Net Loan	1437.50	1187.50	937.50	687.50	437.50
	Rate of Interest on Loan	9.9400%	9.9400%	9.9400%	9.9400%	9.9400%
	Interest on Loan Annualised	142.89	118.04	93.19	68.34	43.49
	PFC T1 D-2 repayment from 15.07.2013					
	Gross loan - Opening	5000.00	5000.00	5000.00	5000.00	5000.00
	Cumulative repayments of Loans upto previous period	2395.83	2812.50	3229.17	3645.83	4062.50
	Net loan - Opening	2604.17	2187.50	1770.83	1354.17	937.50
	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	2604.17	2187.50	1770.83	1354.17	937.50
	Repayments of Loans during the period	416.67	416.67	416.67	416.67	416.67
	Net loan - Closing	2187.50	1770.83	1354.17	937.50	520.83
	Average Net Loan	2395.83	1979.17	1562.50	1145.83	729.17
	Rate of Interest on Loan	9.9700%	9.9700%	9.9700%	9.9700%	9.9700%
	Interest on Loan Annualised	238.86	197.32	155.78	114.24	72.70
	PFC T1 D-3 repayment from 15.07.2013					
	Gross loan - Opening	7000.00	7000.00	7000.00	7000.00	7000.00
	Cumulative repayments of Loans upto previous period	3354.17	3937.50	4520.83	5104.17	5687.50
	Net loan - Opening	3645.83	3062.50	2479.17	1895.83	1312.50
	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	3645.83	3062.50	2479.17	1895.83	1312.50
	Repayments of Loans during the period	583.33	583.33	583.33	583.33	583.33
	Net loan - Closing	3062.50	2479.17	1895.83	1312.50	729.17
	Average Net Loan	3354.17	2770.83	2187.50	1604.17	1020.83
	Rate of Interest on Loan	9.7000%	9.7000%	9.7000%	9.7000%	9.7000%
	Interest on Loan Annualised	325.35	268.77	212.19	155.60	99.02
	PFC T1 D-9 repayment from 15.07.2013					
	Gross loan - Opening	5000.00	5000.00	5000.00	5000.00	5000.00
	Cumulative repayments of Loans upto previous period	2395.83	2812.50	3229.17	3645.83	4062.50
	Net loan - Opening	2604.17	2187.50	1770.83	1354.17	937.50
	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	2604.17	2187.50	1770.83	1354.17	937.50
	Repayments of Loans during the period	416.67	416.67	416.67	416.67	416.67
	Net loan - Closing	2187.50	1770.83	1354.17	937.50	520.83
	Average Net Loan	2395.83	1979.17	1562.50	1145.83	729.17
	Rate of Interest on Loan	9.3900%	9.3900%	9.3900%	9.3900%	9.3900%

145

Calculation of Interest on Actual Loans						
Name of the Company		NTPC LTD.				
Name of the Power Station		Koldam				(Amount in lacs)
Sl. no.	Particulars	2019-20	2020-21	2021-22	2022-23	2023-24
	Interest on Loan Annualised	224.97	185.84	146.72	107.59	68.47
	PFC T1 D-11 repayment from 15.07.2013					
	Gross loan - Opening	2500.00	2500.00	2500.00	2500.00	2500.00
	Cumulative repayments of Loans upto previous period	1197.92	1406.25	1614.58	1822.92	2031.25
	Net loan - Opening	1302.08	1093.75	885.42	677.08	468.75
	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	1302.08	1093.75	885.42	677.08	468.75
	Repayments of Loans during the period	208.33	208.33	208.33	208.33	208.33
	Net loan - Closing	1093.75	885.42	677.08	468.75	260.42
	Average Net Loan	1197.92	989.58	781.25	572.92	364.58
	Rate of Interest on Loan	8.6600%	8.6600%	8.6600%	8.6600%	8.6600%
	Interest on Loan Annualised	103.74	85.70	67.66	49.61	31.57
	PFC T1 D-12 repayment from 15.07.2013					
	Gross loan - Opening	2000.00	2000.00	2000.00	2000.00	2000.00
	Cumulative repayments of Loans upto previous period	958.33	1125.00	1291.67	1458.33	1625.00
	Net loan - Opening	1041.67	875.00	708.33	541.67	375.00
	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	1041.67	875.00	708.33	541.67	375.00
	Repayments of Loans during the period	166.67	166.67	166.67	166.67	166.67
	Net loan - Closing	875.00	708.33	541.67	375.00	208.33
	Average Net Loan	958.33	791.67	625.00	458.33	291.67
	Rate of Interest on Loan	8.6700%	8.6700%	8.6700%	8.6700%	8.6700%
	Interest on Loan Annualised	83.09	68.64	54.19	39.74	25.29
	PFC T1 D-19 repayment from 15.07.2013					
	Gross loan - Opening	10000.00	10000.00	10000.00	10000.00	10000.00
	Cumulative repayments of Loans upto previous period	4791.67	5625.00	6458.33	7291.67	8125.00
	Net loan - Opening	5208.33	4375.00	3541.67	2708.33	1875.00
	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	5208.33	4375.00	3541.67	2708.33	1875.00
	Repayments of Loans during the period	833.33	833.33	833.33	833.33	833.33
	Net loan - Closing	4375.00	3541.67	2708.33	1875.00	1041.67
	Average Net Loan	4791.67	3958.33	3125.00	2291.67	1458.33
	Rate of Interest on Loan	8.3500%	8.3500%	8.3500%	8.3500%	8.3500%
	Interest on Loan Annualised	400.10	330.52	260.94	191.35	121.77
	PFC T1 D-21 repayment from 15.07.2013					
	Gross loan - Opening	2000.00	2000.00	2000.00	2000.00	2000.00
	Cumulative repayments of Loans upto previous period	958.33	1125.00	1291.67	1458.33	1625.00
	Net loan - Opening	1041.67	875.00	708.33	541.67	375.00
	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	1041.67	875.00	708.33	541.67	375.00
	Repayments of Loans during the period	166.67	166.67	166.67	166.67	166.67
	Net loan - Closing	875.00	708.33	541.67	375.00	208.33
	Average Net Loan	958.33	791.67	625.00	458.33	291.67
	Rate of Interest on Loan	7.7000%	7.7000%	7.7000%	7.7000%	7.7000%
	Interest on Loan Annualised	73.79	60.96	48.13	35.29	22.46
	PFC T1 D-22 repayment from 15.07.2013					
	Gross loan - Opening	1000.00	1000.00	1000.00	1000.00	1000.00
	Cumulative repayments of Loans upto previous period	479.17	562.50	645.83	729.17	812.50
	Net loan - Opening	520.83	437.50	354.17	270.83	187.50
	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	520.83	437.50	354.17	270.83	187.50
	Repayments of Loans during the period	83.33	83.33	83.33	83.33	83.33
	Net loan - Closing	437.50	354.17	270.83	187.50	104.17
	Average Net Loan	479.17	395.83	312.50	229.17	145.83
	Rate of Interest on Loan	7.6200%	7.6200%	7.6200%	7.6200%	7.6200%
	Interest on Loan Annualised	36.51	30.16	23.81	17.46	11.11
	PFC T1 D-23 repayment from 15.07.2013					
	Gross loan - Opening	1000.00	1000.00	1000.00	1000.00	1000.00
	Cumulative repayments of Loans upto previous period	479.17	562.50	645.83	729.17	812.50
	Net loan - Opening	520.83	437.50	354.17	270.83	187.50
	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	520.83	437.50	354.17	270.83	187.50
	Repayments of Loans during the period	83.33	83.33	83.33	83.33	83.33

146

Calculation of Interest on Actual Loans						
Name of the Company		NTPC LTD.				
Name of the Power Station		Koldam				
		(Amount in lacs)				
Sl. no.	Particulars	2019-20	2020-21	2021-22	2022-23	2023-24
	Net loan - Closing	437.50	354.17	270.83	187.50	104.17
	Average Net Loan	479.17	395.83	312.50	229.17	145.83
	Rate of Interest on Loan	7.4300%	7.4300%	7.4300%	7.4300%	7.4300%
	Interest on Loan Annualised	35.60	29.41	23.22	17.03	10.84
	PFC T1 D-25 repayment from 15.07.2013					
	Gross loan - Opening	2500.00	2500.00	2500.00	2500.00	2500.00
	Cumulative repayments of Loans upto previous period	1197.92	1406.25	1614.58	1822.92	2031.25
	Net loan - Opening	1302.08	1093.75	885.42	677.08	468.75
	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	1302.08	1093.75	885.42	677.08	468.75
	Repayments of Loans during the period	208.33	208.33	208.33	208.33	208.33
	Net loan - Closing	1093.75	885.42	677.08	468.75	260.42
	Average Net Loan	1197.92	989.58	781.25	572.92	364.58
	Rate of Interest on Loan	7.6700%	7.6700%	7.6700%	7.6700%	7.6700%
	Interest on Loan Annualised	91.88	75.90	59.92	43.94	27.96
	PFC T1 D-27 repayment from 15.07.2013					
	Gross loan - Opening	4500.00	4500.00	4500.00	4500.00	4500.00
	Cumulative repayments of Loans upto previous period	2156.25	2531.25	2906.25	3281.25	3656.25
	Net loan - Opening	2343.75	1968.75	1593.75	1218.75	843.75
	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	2343.75	1968.75	1593.75	1218.75	843.75
	Repayments of Loans during the period	375.00	375.00	375.00	375.00	375.00
	Net loan - Closing	1968.75	1593.75	1218.75	843.75	468.75
	Average Net Loan	2156.25	1781.25	1406.25	1031.25	656.25
	Rate of Interest on Loan	7.7500%	7.7500%	7.7500%	7.7500%	7.7500%
	Interest on Loan Annualised	167.11	138.05	108.98	79.92	50.86
	PFC T1 D-31 repayment from 15.07.2013					
	Gross loan - Opening	5800.00	5800.00	5800.00	5800.00	5800.00
	Cumulative repayments of Loans upto previous period	2779.17	3262.50	3745.83	4229.17	4712.50
	Net loan - Opening	3020.83	2537.50	2054.17	1570.83	1087.50
	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	3020.83	2537.50	2054.17	1570.83	1087.50
	Repayments of Loans during the period	483.33	483.33	483.33	483.33	483.33
	Net loan - Closing	2537.50	2054.17	1570.83	1087.50	604.17
	Average Net Loan	2779.17	2295.83	1812.50	1329.17	845.83
	Rate of Interest on Loan	7.4400%	7.4400%	7.4400%	7.4400%	7.4400%
	Interest on Loan Annualised	206.77	170.81	134.85	98.89	62.93
	PFC T1 D-32 repayment from 15.07.2013					
	Gross loan - Opening	9700.00	9700.00	9700.00	9700.00	9700.00
	Cumulative repayments of Loans upto previous period	4647.92	5456.25	6264.58	7072.92	7881.25
	Net loan - Opening	5052.08	4243.75	3435.42	2627.08	1818.75
	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	5052.08	4243.75	3435.42	2627.08	1818.75
	Repayments of Loans during the period	808.33	808.33	808.33	808.33	808.33
	Net loan - Closing	4243.75	3435.42	2627.08	1818.75	1010.42
	Average Net Loan	4647.92	3839.58	3031.25	2222.92	1414.58
	Rate of Interest on Loan	7.6800%	7.6800%	7.6800%	7.6800%	7.6800%
	Interest on Loan Annualised	356.96	294.88	232.80	170.72	108.64
	PFC T1 D-34 repayment from 15.07.2013					
	Gross loan - Opening	3300.00	3300.00	3300.00	3300.00	3300.00
	Cumulative repayments of Loans upto previous period	1581.25	1856.25	2131.25	2406.25	2681.25
	Net loan - Opening	1718.75	1443.75	1168.75	893.75	618.75
	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	1718.75	1443.75	1168.75	893.75	618.75
	Repayments of Loans during the period	275.00	275.00	275.00	275.00	275.00
	Net loan - Closing	1443.75	1168.75	893.75	618.75	343.75
	Average Net Loan	1581.25	1306.25	1031.25	756.25	481.25
	Rate of Interest on Loan	8.1700%	8.1700%	8.1700%	8.1700%	8.1700%
	Interest on Loan Annualised	129.19	106.72	84.25	61.79	39.32
	PFC T1 Total					
	Gross loan - Opening	64300.00	64300.00	64300.00	64300.00	64300.00
	Cumulative repayments of Loans upto previous period	30810.42	36168.75	41527.08	46885.42	52243.75
	Net loan - Opening	33489.58	28131.25	22772.92	17414.58	12056.25
	Increase/ Decrease due to FERV	0.00	0.00	0.00	0.00	0.00

147

Calculation of Interest on Actual Loans						
Name of the Company		NTPC LTD.				
Name of the Power Station		Koldam				
		(Amount in lacs)				
Sl. no.	Particulars	2019-20	2020-21	2021-22	2022-23	2023-24
	Increase/ Decrease due to ACE	0.00	0.00	0.00	0.00	0.00
	Total	33489.58	28131.25	22772.92	17414.58	12056.25
	Repayments of Loans during the period	5358.33	5358.33	5358.33	5358.33	5358.33
	Net loan - Closing	28131.25	22772.92	17414.58	12056.25	6697.92
	Average Net Loan	30810.42	25452.08	20093.75	14735.42	9377.08
	Rate of Interest on Loan	8.4933%	8.4933%	8.4933%	8.4933%	8.4933%
	Interest on Loan Annualised	2616.82	2161.72	1706.62	1251.52	796.42
	SBI-VIII D24 repayment from 31.01.2022 (Oriental Bank of Commerce-I Prepayment Loan)					
	Gross loan - Opening	1428.57	1428.57	1428.57	1428.57	1428.57
	Cumulative repayments of Loans upto previous period	0.00	0.00	0.00	158.73	317.46
	Net loan - Opening	1428.57	1428.57	1428.57	1269.84	1111.11
	Increase/ Decrease due to FERV	0.00	0.00	0.00	0.00	0.00
	Increase/ Decrease due to ACE	0.00	0.00	0.00	0.00	0.00
	Total	1428.57	1428.57	1428.57	1269.84	1111.11
	Repayments of Loans during the period	0.00	0.00	158.73	158.73	158.73
	Net loan - Closing	1428.57	1428.57	1269.84	1111.11	952.38
	Average Net Loan	1428.57	1428.57	1349.21	1190.48	1031.75
	Rate of Interest on Loan	8.4500%	8.4500%	8.4500%	8.4500%	8.4500%
	Interest on Loan Annualised	120.71	120.71	114.01	100.60	87.18
	SBI-VIII D24 repayment from 31.01.2022 (Oriental Bank of Commerce-II Prepayment Loan)					
	Gross loan - Opening	500.00	500.00	500.00	500.00	500.00
	Cumulative repayments of Loans upto previous period	0.00	0.00	0.00	55.56	111.11
	Net loan - Opening	500.00	500.00	500.00	444.44	388.89
	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	500.00	500.00	500.00	444.44	388.89
	Repayments of Loans during the period	0.00	0.00	55.56	55.56	55.56
	Net loan - Closing	500.00	500.00	444.44	388.89	333.33
	Average Net Loan	500.00	500.00	472.22	416.67	361.11
	Rate of Interest on Loan	8.4500%	8.4500%	8.4500%	8.4500%	8.4500%
	Interest on Loan Annualised	42.25	42.25	39.90	35.21	30.51
	SBI-VIII D24 repayment from 31.01.2022 (Punjab & Sind Bank-I Prepayment Loan)					
	Gross loan - Opening	2357.14	2357.14	2357.14	2357.14	2357.14
	Cumulative repayments of Loans upto previous period	0.00	0.00	0.00	261.90	523.81
	Net loan - Opening	2357.14	2357.14	2357.14	2095.24	1833.33
	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	2357.14	2357.14	2357.14	2095.24	1833.33
	Repayments of Loans during the period	0.00	0.00	261.90	261.90	261.90
	Net loan - Closing	2357.14	2357.14	2095.24	1833.33	1571.43
	Average Net Loan	2357.14	2357.14	2226.19	1964.28	1702.38
	Rate of Interest on Loan	8.7833%	8.7833%	8.7833%	8.7833%	8.7833%
	Interest on Loan Annualised	207.04	207.04	195.53	172.53	149.53

Calculation of Interest on Actual Loans						
Name of the Company		NTPC LTD.				
Name of the Power Station		Koldam				
		(Amount in lacs)				
Sl. no.	Particulars	2019-20	2020-21	2021-22	2022-23	2023-24
	SBI-VIII D24 repayment from 31.01.2022 (Punjab & Sind Bank-II Prepayment Loan)					
	Gross loan - Opening	5000.00	5000.00	5000.00	5000.00	5000.00
	Cumulative repayments of Loans upto previous period	0.00	0.00	0.00	555.56	1111.11
	Net loan - Opening	5000.00	5000.00	5000.00	4444.44	3888.89
	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	5000.00	5000.00	5000.00	4444.44	3888.89
	Repayments of Loans during the period	0.00	0.00	555.56	555.56	555.56
	Net loan - Closing	5000.00	5000.00	4444.44	3888.89	3333.33
	Average Net Loan	5000.00	5000.00	4722.22	4166.67	3611.11
	Rate of Interest on Loan	8.7833%	8.7833%	8.7833%	8.7833%	8.7833%
	Interest on Loan Annualised	439.17	439.17	414.77	365.97	317.18
	SBI-VIII D24 Total					
	Gross loan - Opening	9285.71	9285.71	9285.71	9285.71	9285.71
	Cumulative repayments of Loans upto previous period	0.00	0.00	0.00	1031.75	2063.49
	Net loan - Opening	9285.71	9285.71	9285.71	8253.96	7222.22
	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	9285.71	9285.71	9285.71	8253.96	7222.22
	Repayments of Loans during the period	0.00	0.00	1031.75	1031.75	1031.75
	Net loan - Closing	9285.71	9285.71	8253.96	7222.22	6190.47
	Average Net Loan	9285.71	9285.71	8769.84	7738.09	6706.35
	Rate of Interest on Loan	8.7141%	8.7141%	8.7141%	8.7141%	8.7141%
	Interest on Loan Annualised	809.17	809.17	764.21	674.31	584.40

Calculation of Interest on Normative Loan

Sl. No.	Particulars	2019-20	2020-21	2021-22	2022-23	2023-24
1	2	3	4	5	6	7
	No. of Days	366	365	365	365	366
1	Opening Capital Cost	6,99,278.40	7,01,578.40	7,12,878.40	7,17,578.40	7,19,078.40
2	Gross Normative loan - Opening	4,89,494.88	4,91,104.88	4,99,014.88	5,02,304.88	5,03,354.88
3	Cumulative repayment of Normative Loan upto previous year	121825.51	1,55,602.73	1,89,707.87	2,24,198.80	2,58,839.22
4	Net Normative loan - Opening	3,67,669.37	3,35,502.15	3,09,307.01	2,78,106.08	2,44,515.66
5	Normative repayment of loan During the year	33,777.22	34,105.14	34,490.93	34,640.42	34,709.14
6	Add: Increase due to addition during the year / period	1,610.00	7,910.00	3,290.00	1,050.00	945.00
7	Less: Decrease due to de-capitalisation during the year / period	-	-	-	-	-
8	Less: Decrease due to reversal during the year / period	-	-	-	-	-
9	Add: Increase due to discharges during the year / period	-	-	-	-	-
10	Net Normative loan - Closing	3,35,502.15	3,09,307.01	2,78,106.08	2,44,515.66	2,10,751.52
11	Average Normative loan	3,51,585.76	3,22,404.58	2,93,706.55	2,61,310.87	2,27,633.59
12	Weighted average Rate of Interest	8.1339%	8.0990%	8.0809%	8.1854%	8.2878%
13	Interest on loan	28,597.69	26,111.64	23,734.06	21,389.43	18,865.89

Name of the Petitioner : NTPC Ltd.

Name of the Generating Station : Koldam Hydro Electric Power Project

Station COD : 18.07.2015

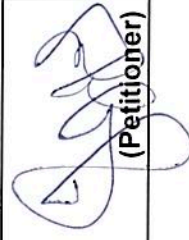


(Petitioner)

Calculation of Interest on Working Capital

Name of the Petitioner : NTPC Ltd.
Name of the Generating Station : Koldam Hydro Electric Power Project
Station COD : 18.07.2015

Sl. No.	Particulars	2019-20	2020-21	2021-22	2022-23	2023-24
1	2	3	4	5	6	7
	No. of Days	366	365	365	365	366
1	O&M expenses	16,577.04	17,249.49	17,952.69	18,689.03	19,458.94
1a	O&M expenses (for one month)	1,381.42	1,437.46	1,496.06	1,557.42	1,621.58
2	Maintenance Spares @ 15%	2,486.56	2,587.42	2,692.90	2,803.35	2,918.84
3	Receivables (45 Days)	15,154.31	15,059.90	14,956.20	14,798.70	14,560.88
4	Total Working Capital	19,022.29	19,084.78	19,145.17	19,159.48	19,101.29
5	Rate of Interest	12.05%	12.05%	12.05%	12.05%	12.05%
6	Interest on Working Capital	2292.19	2299.72	2306.99	2308.72	2301.71


(Petitioner)

Design Energy and peaking capability (month wise) - ROR with Pondage / Storage type new stations

Name of the Petitioner : NTPC Ltd.
Name of the Generating Station : Koldam Hydro Electric Power Project
Station COD : 18.07.2015

Month		Design Energy (Mus)	Designed Peaking Capability (MW)
April	I	59.21	Designed peaking capacity is 800 x 1.10 (i.e. 110% of deemed rated capacity on continuous basis) = 880 MW
	II	57.80	
	III	89.80	
May	I	103.87	
	II	186.01	
	III	206.82	
June	I	64.92	
	II	171.32	
	III	118.63	
July	I	155.60	
	II	192.00	
	III	211.20	
August	I	192.00	
	II	192.00	
	III	211.20	
September	I	129.86	
	II	93.03	
	III	71.50	
October	I	46.88	
	II	44.33	
	III	41.29	
November	I	30.49	
	II	27.94	
	III	25.39	
December	I	24.48	
	II	24.48	
	III	26.93	
January	I	24.48	
	II	24.48	
	III	26.93	
February	I	24.48	
	II	24.48	
	III	19.58	
March	I	24.48	
	II	39.39	
	III	47.51	
Total		3054.79	


PETITIONER

Statement of Liability Flow

Name of the Petitioner		NTPC Ltd			
Name of the Generating Station		Koldam HEP			
					Amount in B
Sr. No.	Name of the Party	Name of the work	Year of creation of liability	Remarks	Undischarged liabilities as on 31.03.2019
1	2	3	4	5	6
a) For assets eligible for normal RoE					
Items allowed/ claimed					
	Items allowed				
1	MCC POWER PROJECTS PVT LTD	Construction of Drainage Gallery No.17 of NTPC Koldam HPP	2015-16	A L L O W E D	-
2	THE KOLDAM LABOUR & CONSTN.	Civil Work of Hydraulic Piping from EL 540m to 596m near DT inlet gate for NTPC	2015-16		1,32,601.00
3	SINTEX INDUSTRIES LTD	Civil Work for Inter Plant Cabling work along various roads in Project Area NTPC Koldam	2015-16		-
4	TUFAN ENGINEERING	Carrying out supply of chain pulley bracket arrangement in Power intake	2015-16		-
5	ACME TECHNOLOGIES	Installation of second stage reinforcement dowel bar fixing in Spillway, stoplog gate groove	2015-16		-
6	BRIJ LAL BANSAL	Slope Protection and construction of catch drain behind 400 KV Switch yard control room building	2015-16		-
7	MAHESHWARI MINING PVT LTD	Grouting reservoir impounding at Koldam Hydroelectric power project (HP)	2015-16		2,95,500.00
8	Complete Dewatering Systems	Additional Dewatering arrangement to center Seepage during Plug Construction of Diversion Tunnel-1 at NTPC	2015-16		-
9	ENCARDIO-RITE ELECTRONICS (P) LTD	Epoxy Filling Geotechnical Instrumentation Switch Boxes at NTPC Koldam	2015-16		-
10	TULSI RAM GAUTAM	Operation & maintenance of dewatering system	2015-16		-
11	ITALIAN-THAI DEVELOPMENT PUBLIC	Construction of Dam, Spillway and power Intake	2015-16		1,63,15,753.00
12	SR EXECUTIVE ENGINEER.	CLAY BORROW AGENCIES	2015-16		-
13	AFCONS INFRASTRUCTURE LTD.	Construction of Decanting and Desilting Chamber	2015-16		1,93,83,544.55
14	MADAN CONTRACTORS & CO.	Engg. Design, Manufacturing, Inspection & Testing, Packing of External Electrification Lighting Work, Constructin & Electrical Work of 33 KV & 11 KV Substation in Township	2015-16		18,95,560.00
15	MADAN CONTRACTORS & CO.	Transportaiton, Transit Insurance, Handling, Storate, Civil Work, Erection, Testing, Commissioning & Trial Operation of External Electrification Lighting Work, Constructin & Electrical Work of 33 KV & 11 KV Substation in Township	2015-16		4,44,811.00
16	QUIPPO ENERGY PVT LTD	Hiring of DG Sets <2*500kva> for NTPC Koldam	2015-16		-
17	INDIA ELECTRIC WORKS	Rewinding Work of 2 no Electrical Motors of Dewatering Pumps Installation for Evacuation of Speepage water	2015-16		-
18	MASTER ENGINEERING SERVICES	Installation of Upper Machanism of Bus coupler for NTPC Koldam	2015-16		-
19	Janani Enterprises	Replacement of generator transformer 3-y with Spare transformer	2015-16		-
20	BHARAT HEAVY ELECTRICALS LTD	GT Package	2015-16		68,44,548.00
21	LARSEN & TOUBRO LTD	Switchyard Package	2015-16		-
22	PRABHU NATH SINGH	Const of Plant Gate Complex	2015-16		7,55,270.00
23	EXECUTIVE ENGINEER,HPPWD, DIV-2,BIL	Const of 1.6 km Road from Panchayat Ghar to Kasol	2015-16		-
24	HIM KHADI GRAMODYOG ASHRAM	Providing and Erection of Pre Fab Huts at NTPC koldam	2015-16		-
25	BRIJ LAL BANSAL	Construction of foundation and flooring work of pre fab. Huts	2015-16		-
26	R K ASSOCIATES	Construction of firewall between 200KVA DG set & 800 KVA Aux transformers at Switchyard	2015-16		-
27	RAJU RANA	Civil work for drain and General & Industrial water piping Scheme Near Power house at EL-531 for NTPC	2015-16		-
28	ASST.EXCISE & TAXATION COMMISSIONER	Laying of LAN infrastructure for diversion tunnel at Bottom outlet area at NTPC Koldam	2015-16		-
29	S. B. TRADING CO.	Supply, Installation & Commissioning of # Nos Skid Mounted Pump and Piping arrangements for fire fighting including all accessories for NTPC koldam HPP	2015-16		3,57,980.00

153

30	Aarti Infra-projects Pvt Ltd	Supply & Installation of piping works including valves & associated civil work etc beyond spillway stoplog are & inlet works	2015-16	-
31	SHIVALIK PROJECTS	Balance works of supply, installation & commissioning of 3 nos skid mounted pumps and piping arrangement for fire fighting including all accessories	2015-16	-
32	SHIVALIK PROJECTS	Welding of flange and Cutting of pipes for additional piping Scheme in DT-1 for management of seepage at plug	2015-16	-
33	Purvanchal Engineering Projects	Fixing of Flanged Pipe with valves in DT-1 for Management	2015-16	-
34	WATERTEC ENTERPRISES	Hiring of Portable water Treatment Plant for Powerhouse Commissioning Activities At NTPC Koldam	2015-16	-
35	SIDDHARTH ENGINEERS & ERECTORS	Identification of equipments and Servicing at Erected Items of fire fighting System at NTPC Koldam	2015-16	-
36	ARIHANT DEWATERING SYSTEMS	Filling of Decanting Chamber Through Pumping System at NTPC Koldam	2015-16	-
37	SARASWATI CONSTRUCTION	Contract for Extension of Existing 2 no Leakage Evacuation Pipes for management of Seepage/Leakage	2015-16	79,200.00
38	ALSTOM INDIA LTD	Engaging M/S Alstom India Engineers for commissioning of governing systems of all 4 units	2015-16	-
39	Complete Dewatering Systems	Providing Pumps for filling Decanting at NTPC	2015-16	-
40	TUFAN ENGINEERING	Additional pipelines in Dam Drainage Gallery no 13	2015-16	-
41	BHARAT HEAVY ELECTRICALS LTD	Electro Mechanical Package	2015-16	10,12,50,267.40
42	MARUBENI CORPORATION	Electro Mechanical Package	2015-16	-
43	Om Metals Infra Projects Ltd.	Hydro Mechanical Package	2015-16	3,31,75,025.00
44	WAPCOS Ltd	Instrumentation monitoring work at NTPC Koldam	2015-16	-
45	ENCARDIO-RITE ELECTRONICS (P) LTD	Deployment of Service Engineer at Koldam HEPP During Reservoir Impounding	2015-16	-
46	GAUTAM ARYAN BUILD-WELL PVT LTD	Civil work for lighting Cables laying along dam crest and downstream dam road NTPC	2015-16	-
47	ELECTRICITE DE FRANCE	PRIME CONSULANCY FOR KOLDAM HYDRO POWER PROJECT	2015-16	-
48	BRIJ LAL BANSAL	Civil Work for Bulk Fuel Oil Tank at NTPC KHEPP	2015-16	1,28,226.00
49	JALPA MA CONSTRUCTIONS & LABOUR	Civil Works for Water Treatment plant at EL 531	2015-16	10,80,580.00
50	SAI GR IMPEX PVT LTD	Rectification/Treatment of D-line cable end wall & staircase of Power house	2015-16	-
51	SACHIDA ENTERPRISES	Rectification of false ceiling provided at diffrent location/ elevation in power house Building	2015-16	-
52	BRAVIA TECHNO SOLUTIONS	Painting works in power house and nearby aread of NTPC Koldam	2015-16	-
53	Gammon India Ltd.	Construction of PowerHouse and Penstock	2015-16	1,96,28,373.70
54	SAI ENGINEERING FOUNDATION	Development of Plots area and construction of internal roads Phase-II RC Sit Kangoo	2015-16	18,19,426.00
55	SAI ENGINEERING FOUNDATION	Developments of plots and Construction of internal road for RC site	2015-16	18,38,056.00
56	SAI ENGINEERING FOUNDATION	Carrying out routine survey work for project components and other misc structures	2015-16	42,103.00
57	K.K. CONSTRUCTIONS COMPANY	Construction of internal roads, sewage line and septic tank for RC Jamthal Site	2015-16	-
58	THE KOLDAM LABOUR & CONSTN.	Demarcation of Permanent Boundary of NTPC Land from villagesHawani Kol	2015-16	11,517.00
59	BRIJ LAL BANSAL	Cosnt of Middle School Building at Neri	2015-16	73,772.00
60	SUNI TEHSIL OUSTEE'S (L&C)	Cosnt of School Building at Mandrech, Shimla	2015-16	-
61	BRIJ LAL BANSAL	Const of Two Room Building at Primary School at Gharyan	2015-16	36,498.00
62	SUNI TEHSIL OUSTEE'S (L&C)	Const of Anganbari Building at Mandrech, Suni, Shimla	2015-16	-
63	SUNI TEHSIL OUSTEE'S (L&C)	Const of Two Room in Middle School Building at Sakrodi	2015-16	-
64	SUNI TEHSIL OUSTEE'S (L&C)	Const of Primary School Building at Anu, Sunni	2015-16	-
65	SUNI TEHSIL OUSTEE'S (L&C)	Const of Anganbari Building at Tattapani	2015-16	-
66	KOLDAM AUSTEES L & C & S CO-OP	Const of Road at Chamyon	2015-16	-
67	PRABHU NATH SINGH	Const of Pathway-2 along Periphery of Boundary Wall at Jamthal	2015-16	44,230.00
68	RAJESH KAPLEX,	Const of Approach Road at Jamthal	2015-16	-

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154

69	PRABHU NATH SINGH	Const of Sub Health Center at Village Tattapani, Mandi	2015-16	40,731.0
70	EXECUTIVE ENGINEER,HPPWD, DIV-2,BIL	Development of Plots & Const of Internal roads & Sewerage Lines for RC Kasol	2015-16	50,94,660.0
71	Utility Powertech Limited	Const of Additional 2nd Floor in High School Building at RC Site Jamthal	2015-16	-
72	R K ASSOCIATES	Development of Plot and Construction of Internal Road in resettlement Colony Kangoo- Phase - II	2015-16	1,75,304.0
73	SUKH RAM S/O DURGA RAM	Restoration of danages to Nallah at Village Jamthal due to rain water	2015-16	-
74	BRIJ LAL BANSAL	Construction of foot bridge over Nallah at Vill Chamvon	2015-16	-
75	Deputy Commissioner	Land	2015-16	5,60,21,318.8
76	S. B. TRADING CO.	SUPPLY OF SUBMERSIBLE SEWARGE PUMP	2015-16	40,807.0
77	CONSTRUCTION EQUIPMENT COMPANY	RUBBER-SHEET IRC-83/II-20MM	2015-16	8,333.0
78	FLOW TECH INDUSTRIAL COMPANY	Procurement of Butterfly valves	2015-16	-
79	SUMER & CO	Procurement of Self Supporting Mobile Platform/ Tower Type FRP Ladder	2015-16	-
80	A V TRADERS	Procurement of AC's and Stabilizers	2015-16	-
81	NARSINGH MARBAL UDHYOG	GRANITE STONE 18 MM THK.	2015-16	-
82	ASST.EXCISE & TAXATION COMMISSIONER	DIGITAL VOICE RECORDING SYSTEM COMPLETE	2015-16	-
83	PAN COMMUNICATIONS PVT LTD	Proc. of IP based Camera	2015-16	-
84	PAN COMMUNICATIONS PVT LTD	Proc. of IP based Camera	2015-16	-
85	ASHOKA FURNITURE PVT LTD	Proc. of School Furniture	2015-16	-
86	COMPUTER CARE	Procurement of L2 LAN Switches	2015-16	-
87	H P Document Solution Co.	Proc of Photocopier cum Printer	2015-16	-
88	GODREJ & BOYCE MFG. CO. LTD.	BOOM BARRIER 4 METER FOR GATE CONTROL	2015-16	10,000.00
89	COMPUTER CARE	Proc. of Network Attached Storage Server	2015-16	-
90	GUPTA RADIO & WATCH CO.	Proc. of Air Conditioners	2015-16	-
91	SPHERE COM SERVICES PVT LTD	Procurement of Walkie Talkie Sets and VHF Fixed Mobile Sets	2015-16	26,000.00
92	R R ENTERPRISES	Procurement of valves for fire fighting system at 400 kV switchyard	2015-16	-
93	AGS VALVES PVT LTD	Procurement of valves for fire fighting system at 400 kV switchyard	2015-16	-
94	PAN COMMUNICATIONS PVT LTD	PROCUREMENT OF IP CAMERA	2015-16	-
95	ASSET INFOTECH LTD	Procurement of Software	2015-16	-
96	DIGITAL TECHNOLOGIES.	Procurement of A3 Photocopier Machines	2015-16	-
97	COMPUTER CARE	Supply of Printers, Scanner & Multifunction Machines.	2015-16	-
98	DIGITAL TECHNOLOGIES.	Procurement of A4 Network Laser Printer	2015-16	-
99	COMPUTER PARADISE	Procurement of Personal Computers for NTPC Koldam	2015-16	3,73,950.00
100	TECHNOWARE SYSTEMS INDIA (P) LTD	LAYER-3 ETHERNET SWITCH	2015-16	-
101	SAI ENGINEERING FOUNDATION	Const of Boundary Wall & Gate Complex in township	2015-16	9,20,866.00
102	K.K CONSTRUCTIONS COMPANY	Const of roads in permanent Township	2015-16	-
103	RAJESH BANYAL	Const of Overhead Water Tank at Township	2015-16	5,26,596.00
104	V S CONSTRUCTIONS	Const of additional C,D and D2 Qrts at TS	2015-16	3,40,045.00
105	MCM Services Pvt Ltd	Area Development Work in Jamthal Township	2015-16	-
106	Utility Powertech Limited	Const of Balance B,C & D2 Type Quarters at Jamthal Township	2015-16	37,94,842.00
107	LAL ENTERPRISES	Misc Civil Work for Permanent Township of Jamthal	2015-16	-
108	Deputy Commissioner	Land	2015-16(From 18.07.2015)	5,59,93,806.00
109	BHARAT HEAVY ELECTRICALS LTD	Procurement of Electronic Modules for SCADA system at NTPC Koldam	2015-16(From 18.07.2015)	-
110	MAHESHWARI MINING PVT LTD	Grouting during reservoir impounding at Koldam Hydro Electric Power	2015-16(From 18.07.2015)	19,78,104.00
111	WAPCOS Ltd	Instrumentation Monitoring Work at NTPC Koldam	2015-16(From 18.07.2015)	-
112	ACME TECHNOLOGIES	Drilling of holes for De-watering of leakage water inside the water	2015-16(From 18.07.2015)	8,910.00
113	The Shiva Earth Movers	Back filling on the back side of the left guide wall at NTPC Koldam	2015-16(From 18.07.2015)	-
114	The Shiva Earth Movers	Bulk fuel tank works including steel gate and PCC works at Spillway and	2015-16(From 18.07.2015)	-
115	GAUTAM ARYAN BUILD-WELL PVT LTD	Concrete work for plug gallery in DT-1	2015-16(From 18.07.2015)	2,00,113.00
116	QUIPPO ENERGY PVT LTD	Hiring of DG sets (2 X 500 kVA) for NTPC Koldam.	2015-16(From 18.07.2015)	-
117	The Shiva Earth Movers	Making of access road in plunge pool at NTPC Koldam.	2015-16(From 18.07.2015)	-
118	EMKAY TRADING CO	Cavity filling with concrete in plunge pool at NTPC Koldam	2015-16(From 18.07.2015)	-
119	TECHNICAL CONSULTANCY SERVICES	Core drilling works in plunge pool area in NTPC Koldam	2015-16(From 18.07.2015)	-
120	The Shiva Earth Movers	Construction of four feet high concrete wall around 30kl. and 15kl. bulk	2015-16(From 18.07.2015)	1,54,493.00

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153

121	V. AUTOMAT & INSTRUMENTS	Real Time Data Display for 15 % Minimum Environment Flow in HPSPCB	2015-16(From 18.07.2015)	-
122	DAS & KUMARS	Procurement of One Number HDPE Floating Dock for Koldam HEP Reservoir	2015-16(From 18.07.2015)	-
123	ENCARDIO-RITE ELECTRONICS (P) LTD	Supply and Installation of 12 Nos. Straight Apparatus along Guide walls	2015-16(From 18.07.2015)	-
124	COMPUTER PARADISE	Procurement of A3 Printer	2015-16(From 18.07.2015)	-
125	SVS TECHNOLOGY SERVICES PVT LTD	Procurement of WAN Router for NTPC Koldam	2015-16(From 18.07.2015)	44,000.00
126	PRECI-TECH WEIGHING SYSTEMS	Procurement of Electronic Weighing Machine for NTPC Koldam	2015-16(From 18.07.2015)	-
127	LABINDIA ANALYTICAL INSTRUMENTS PVT	Procurement of Metal Analyzer for FQA Lab	2015-16(From 18.07.2015)	-
128	ENCARDIO-RITE ELECTRONICS (P) LTD	Visualisation and Analysis Software for Geotechnical Data Acquisition	2015-16(From 18.07.2015)	-
129	Gammon India Ltd.	Construction of Penstock and Power House Package.	2015-16(From 18.07.2015)	31.84,154.20
130	GAUTAM ARYAN BUILD-WELL PVT LTD	Balance Civil works for Water Treatment Plant at EL 530 m at NTPC Koldam	2015-16(From 18.07.2015)	-
131	GAUTAM ARYAN BUILD-WELL PVT LTD	Execution of slope protection work along access road of Power House	2015-16(From 18.07.2015)	-
132	The Shiva Earth Movers	Removal of Balance TRC ledge for NTPC Koldam HEPP	2015-16(From 18.07.2015)	-
133	The Shiva Earth Movers	Plugging of concrete holes left for concreting in tunnel lining at DT-1	2015-16(From 18.07.2015)	-
134	RP Infra Projects Ltd	WATER SCHEME-15% DISCHARGE	2015-16(From 18.07.2015)	-
135	SAI GR IMPEX PVT LTD	Rectification/Treatment of D-line cable end wall & staircase of Power house	2015-16(From 18.07.2015)	-
136	PAL DISTRIBUTORS	CHIAR EXECUTIVE WITH HIGH BACK N	2016-17	-
137	ANALYTICA EQUIPMENTS (I) PVT LTD	TABLE GODREJ 4 SEATER ROUND	2016-17	-
138	USHA INTERNATIONAL LTD	WATER COOLER SP 80120	2016-17	-
139	RELIANCE ELECTRONICS	METAL DETECTOR DOOR FRAME	2016-17	24,300.00
140	EXCEL MARKETING CORPORATION	CCTV SYSTEMS AT CISF GATE	2016-17	-
141	WIKA INSTRUMENTS INDIA	COMPERATOR TYPE PR CALIBERATOR	2016-17	0.00
142	WIKA INSTRUMENTS INDIA	DEAD WEIGHT TESTER 1-70 KG/CM2/BA	2016-17	(0.00)
143	AISHWARYA TECHNOLOGIES AND	OPTICAL FIBRE FUSSION SPLICING KIT	2016-17	22,500.00
144	SUMESH PETROLEUM	TRANSFORMER OIL STORAGE TANK	2016-17	-
145	MEASUREMENTS INTERNATIONAL LLP	TRANSFORMER TURN RATIO MEASUR	2016-17	-
146	BIOTEC SYSTEMS	SPECTROPHOTOMETER -NERCK MAK	2016-17	-
147	Deputy Commissioner	Land	2016-17	15,64,90,181.00
148	GR POWER SWITCHGEAR LTD	ISOLATOR 400 KV	2016-17	-
149	RAHUL ENTERPRISES	TEE DIFFERENTIAL PROTECTION RELAY	2016-17	-
150	RAHUL ENTERPRISES	TEE DIFFERENTIAL PROTECTION RELAY	2016-17	-
151	MEATECH SOLUTIONS LLP	MEASUREMENT AND CONTROL DATA	2016-17	-
152	VARUN SALES AGENCIES	WEIGHING MACHINE SCALE-100/150 KG	2016-17	8,000.00
153	ONE TIME VENDOR	MIXER GRINDER HAEVY DUTY	2016-17	8,750.00
154	CORAL SYSTEMS	TELEPHONE SYSTEM IRIS IV DX KEY	2016-17	17,471.50
155	ONE TIME VENDOR	TOASTER POP UP 4 SLICE PHIIPIPS	2016-17	3,300.00
156	VERMA ENGINEERING SERVICES	CENTRIFUGAL WATER PUMP KSB MAK	2016-17	-
157	SHOPCLUES	GRASS CUTTER/ BRUSH CUTTER HON	2016-17	23,590.00
158	KRISHNA GARDEN TOOLS	ELECTRIC LAWN MOVERS	2016-17	34,700.00
159	BHARAT HEAVY ELECTRICALS LTD	POWER TRANSFORMER-11-82MVA GT	2016-17	-
160	ABB INDIA LTD	CAPACITOR VOLTAGE TRANSFORMER	2016-17	60,000.00
161	ENDRESS + HAUSER (INDIA) PVT. LTD.	Portable UltraSonic FlowmetreR	2016-17	-
162	DASHMESH AGROTECH	BRUSH CUTTER/GRASS TRIMMER	2016-17	46,000.00
163	Striker & Brothers	Road work at Main Dam at NTPC Koldam	2016-17	52,11,811.00
164	S. G Construction	Area Development at NTPC Township, Jar	2016-17	13,20,176.20
165	Surbhi	Grassing of Sports ground in township oth	2016-17	-
166	TECHNOWARE SYSTEMS INDIA	Providing Wi-Fi Internet Facility at NTPC T	2016-17	86,120.00
167	The Shiva Earth Movers	Making of access road in plunge pool at N	2016-17	59,35,257.00
168	The Shiva Earth Movers	Removal of Balance TRC ledge for NTPC	2016-17	-
169	EMKAY TRADING CO	Cavity filling with concrete in plunge pool a	2016-17	-
170	GAUTAM ARYAN BUILD-WELL PVT LTD	Execution of slope protection work along a	2016-17	9,19,675.00
171	GODREJ & BOYCE MFG CO LTD	DIESEL FORKLIFT TRUCK WITH ACCES	2017-18	-
172	TECHNOWARE SYSTEMS INDIA (P) LTD	IP CAMERAS	2017-18	-
173	USHA INTERNATIONAL LTD	COOLER-WATER COMPLETE CAP-51-8	2017-18	-
174	GODREJ & BOYCE MFG CO LTD	TABLE GODREJ-ENTERPRISE-1200-STO	2017-18	-
175	RAHUL ENTERPRISES	SF-6 CIRCUIT BREAKER 400 KV 2000A /	2017-18	-
176	ENCARDIO-RITE ELECTRONICS (P) LTD	Procurement of SMA and DAS System Sp	2017-18	-
177	GE POWER INDIA LTD.	POWER TRANSDUCER MAKE ARDETE	2017-18	-
178	PAL DISTRIBUTORS	Procurement & Installation of Electrical Lat	2017-18	-
179	TECHNOWARE SYSTEMS INDIA (P) LTD	IP CAMERAS	2017-18	-
180	SIEMENS LTD	RELAY NUM-SIEMENS-7UT61355EB221E	2017-18	4,20,517.00
181	HIMGIRI ELECTRONICS	Procurement of Infrastructural Facilities for	2017-18	1,09,600.00
182	INSAT TECHNO SERVICES	Supply, Installation & Commissioning of CC	2017-18	-
183	PATHANIA INFOTECH SYSTEMS	Procurement of Large Format Copier cum	2017-18	54,540.00
184	GODREJ & BOYCE MFG. CO. LTD.	GODREJ RACKS SHELIVING HAEVY DU	2017-18	-
185	PAL DISTRIBUTORS	TABLE GODREJ CHOCOLAT BEDSIDE	2017-18	2,69,777.00
186	Maruti Suzuki India Limited	Procurement of Vehicle (Maruti Suzuki Sw	2017-18	692.00
187	PRAYOG ELECTRICALS (PVT) LTD	NEUTRAL GROUNDING TRANSFORMER	2017-18	-
188	CHHABI ELECTRICALS PVT LTD	BATTERY CHARGERING EQUIP. FOR B	2017-18	9,000.00
189	SCOPE T&M PVT LTD	DC EARTH FAULT LOACATOR	2017-18	39,500.00
190	INVENTA CLEANTEC PVT LTD	VACCUUM CLEANER-INDUSTRIAL	2017-18	-
191	D B IMPEX & TRADE	HYDRUALIC LIFTING PLATFORM 200 H	2017-18	-
192	Indica Engineers	10 KV DIGITAL INSULATION TESTER	2017-18	1,30,720.00
193	M K Teknology1 Pvt Ltd	Procurement of Particle Counter for Condit	2017-18	-
194	SHM Shipcare	EQUIP-INSPECTION MOTOR BOAT	2017-18	4,38,270.00
195	MEHULENDRA CORPORATION	TIME ATTENDANCE RECORDER SYSTE	2017-18	25,620.00
196	J M ENTRANCE AUTOMATION PVT LTD	Procurement and Installation of Spike Barr	2017-18	65,000.00

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197	CORPORATE INFOTECH PVT LTD	REACTOR SPARE NETURAL BUSHING	2017-18	2,72,318.00
198	HITACHI SYSTEMS MICRO CLINIC	SERVER - INTEL XEON DUAL CPU WITH	2017-18	20,632.50
199	ISA ADVANCE INSTRUMENTS INDIA	Procurement of Circuit Breaker Operation	2017-18	43,000.00
200	HINDUSTAN INFRATECH & CONSTRUCTION	SUMBERSIBLE PUMP ASSEMBLY	2017-18	1,74,010.00
201	CHEMTRON SCIENCE LABORATORIES	Procurement of various gases with cylinde	2017-18	-
202	BALVIKA INDUSTRIAL EQUIPMENTS	Procurement of Material Handling Equipme	2017-18	-
203	PROZONE	Procurement of Wireless Conference Hall	2017-18	78,750.00
204	B E OFFICE AUTOMATION	LASERJET PRINTER-A-4 SIZE	2017-18	-
205	SPARSH COOL WAVES	Procurement of Infrastructural Items for Md	2017-18	74,990.00
206	KITCHEN WORLDS	Procurement of Infrastructural Items for Md	2017-18	-
207	BHARAT HEAVY ELECTRICALS LTD	EM PACKAGE FOR KOLDAM HEPP	2017-18	39,71,084.84
208	BHARAT HEAVY ELECTRICALS LTD	KD-ACTUATOR TR10-3/8-M-M760501644	2017-18	1,36,76,107.51
209	MARUBENI CORPORATION	INLAND TRANSPORTATION & INS FOR	2017-18	5,28,59,747.11
210	Deputy Commissioner	Land	2017-18	5,94,72,224.82
211	S K SYSTEM PVT LTD	Rectification/repair of Voltas make 40 TR Semi Hermetic type Reciprocating Compressor of Chiller Unit # 1 under defect liability period and risk & cost of M/s BHEL.	2017-18	-
212	The Shiva Earth Movers	Removal of Balance TRC ledge for NTPC	2017-18	4,25,282.00
213	S. G. CONSTRUCTIONS	DAM, SPILLWAY AND POWER INTAKE	2017-18	1,09,50,121.52
214	ELECON ENGINEERING CO LTD	Supply of Gear Box	2017-18	-
215	ANB COMPUTER SOLUTIONS PVT LTD	Supply, Installation & Commissioning of CC	2017-18	-
216	Gammon India Ltd.	MAIN PLANT BUILDING-POWER HOUSE	2017-18	16,71,05,963.00
217	AFCONS INFRASTRUCTURE LTD.	Desilting -Arbitration	2017-18	8,18,52,194.00
218	Om Metals Infra Projects Ltd.	Spillway Gates-Arbitration	2017-18	-
219	The Shiva Earth Movers	Removal of Boulders and silt/debris form river (upto designed level, EL 501m) in front of TRC for the lowering of River bed at NTPC Koldam	2017-18	5,98,422.00
220	BUMI GEO ENGINEERING LIMITED	Carrying out Micro piling works on right side cladding of Plunge pool area of Koldam Hydro Power Project	2017-18	21,14,009.00
221	BUMI GEO ENGINEERING LIMITED	Carrying out concreting of cavity behind the right side cladding wall of Plunge Pool area of Koldam	2017-18	32,61,794.96
222	The Shiva Earth Movers	Removal of Rocky Nose and remaining concrete wall located at D/s left bank corner of the plunge pool & Removal of material from river at NTPC Koldam.	2017-18	23,30,718.00
223	BLUE SKY SYSTEM PVT LTD	Carrying out epoxy floor coating/paint at El	2017-18	2,05,086.00
224	Striker & Brothers	Road work at Main Dam at NTPC Koldam	2017-18	5,76,290.00
225	LAL ENTERPRISES	CONSTRUCTION OF 3 NO. HELIPAD's	2017-18	5,38,383.00
226	Creative Communications	INTEGRATED DATA & VOICE NETWORK	2017-18	27,88,001.00
227	BHARAT HEAVY ELECTRICALS LTD	Control System for Remote Operation of K	2017-18	47,85,700.00
228	S. G. CONSTRUCTIONS	ROAD-PERMANENT ROAD TO SPILLWA	2017-18	19,61,265.00
229	Shivalik Projects	Fire protection system for Admn. Build	2017-18	9,31,019.20
230	U R Infrastructure Company Pvt Ltd	PATHWAY ALONG INTERNAL PERIPHE	2017-18	1,12,764.00
231	S. G. CONSTRUCTIONS	Construction of Visitors Gallery near view r	2017-18	31,92,348.00
232	Prem enterprises	Construction of 2 circuits of 33 kv overhear	2017-18	-
233	SHIVA EARTH MOVERS	CONST OF BALANCE WORK OF PLANT	2017-18	2,82,846.00
234	Akriti	Supply & Fabrication of 3D model	2017-18	2,44,679.00
235	Sintex BAPL Ltd	Swerage Treatment Plant	2017-18	14,14,820.00
236	NATIONAL INSTITUTE OF TECHNOLOGY	GEO TECHNICAL INVERTIGATION FOR	2017-18	-
237	TIRUPATI TELECOM SERVICES	Procurement of Walkie-Talkie for Security Guards at NTPC Koldam	2018-19	14,750.00
238	TRANSLINE ENGINEERS PVT LTD	Supply of SMPS based float cum boost charger in N+1 configuration at NTPC Koldam	2018-19	14,804.25
239	ANB COMPUTER SOLUTIONS PVT LTD	Procurement of KVM Switch at NTPC Koldam	2018-19	15,440.00
240	SPECTRUM INFO SOLUTIONS PVT LTD	Supply & Installation of Security Firewall at NTPC Koldam	2018-19	17,595.00
241	JEET RAM (GOVT CONTRACTOR)	Construction of Bio Waste Composting Machine Room at NTPC Koldam	2018-19	20,000.00
242	AGMATEL INDIA PVT LTD	Procurement of Soldering / De-soldering Station for C&I Lab at NTPC Koldam	2018-19	23,455.00
243	KLM Designs (India)	Design Consultancy for the Interior Acoustics, Stage furnishing, Sitting Arrangements, Lighting and Sound System for Auditorium Building at NTPC Koldam	2018-19	26,550.00
244	PAL DISTRIBUTORS	Procurement of Dining Tables for Satluj Bhawan and Visitor gallery at NTPC Koldam	2018-19	41,905.00
245	SHREE JEE TILES	Procurement of Majestic Concrete Fencing at NTPC Koldam.	2018-19	52,864.00
246	BPL TELECOM PVT LTD	Procurement of Wave Trap for 400KV Switchyard at Koldam	2018-19	65,000.00
247	SVS TECHNOLOGY SERVICES PVT LTD	Supply and Installation of Security Firewall for Remote Operation at NTPC Koldam	2018-19	77,800.00
248	ENCARDIO-RITE ELECTRONICS (P) LTD	Procurment of SMA at Koldam	2018-19	1,06,250.00
249	BHARAT HEAVY ELECTRICALS LTD	Supply, Erection, Testing and Commissioning of 82MVA Generator Transformer at NTPC Koldam	2018-19	1,23,073.00

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250	ASIAN SWITCHGEAR PVT LTD	Supply, Erection, Supervision, Testing and Commissioning of various LT Distribution Boards for Dam Galleries and other systems at NTPC Koldam	2018-19	1,70,500.00
251	CORPORATE INFOTECH PVT LTD	Supply & Installation of PCs All-in-One at Rammam & Koldam against NRHQ RC No.NRHQ/C&M/RC/PC/2018 dated: 02.05.2018	2018-19	1,87,522.00
252	SABER SOFTECH PRIVATE LIMITED	Procurement of Safety kiosk at NTPC Koldam	2018-19	2,39,580.50
253	SUKH RAM S/O DURGA RAM	CONSTRUCTION OF SEMI OPEN SHED	2018-19	2,60,169.00
254	GODREJ & BOYCE MFG. CO. LTD.	Procurement of furniture for Satluj Bhawan, Transit Camp at Mohali & Visitor Gallery of NTPC Koldam	2018-19	2,64,174.00
255	BHARAT HEAVY ELECTRICALS LTD	Procurement of 11 KV Bus PT Trolley at NTPC Koldam	2018-19	2,85,796.00
256	RUBY INTERNATIONAL INDIA	Procurement of Electrically Operated 5 T Capacity Winch Machine along with Trolley for Gallery No. 7 and it's Erection Supervision, Commissioning & Testing at Site	2018-19	3,34,515.00
257	Proglity Technologies Pvt Ltd	Supply & Installation of Projectors & Accessories at NTPC Koldam	2018-19	3,71,828.00
258	BUMI GEO ENGINEERING LIMITED	Carrying out Micro piling works on right side cladding of Plunge pool area of Koldam Hydro Power Project	2018-19	3,74,858.00
259	SR EXECUTIVE ENGINEER,	Protection work of Tower 103 in Naulakha	2018-19	3,90,450.00
260		Control System for Remote Operation of K	2018-19	5,32,770.00
261	U R Infrastructure Company Pvt Ltd	Modification in height of Boundary wall of NTPC Township, Jal Jyoti Vihar at NTPC Koldam	2018-19	6,87,021.37
262	S K SALES COMPANY	Supply of High Pressure Compressor Complete Assembly for Power House at NTPC Koldam	2018-19	10,43,145.70
263	MADAN CONTRACTORS & CO.	EXTERNAL ELECTRIFICATION-TOWNSHIP (LOA-1574/1575)	2018-19	11,01,346.00
264	SUBHAM THAKUR CONST PVT LTD	Construction of Plant Boundary Wall and F	2018-19	20,53,975.00
265	Proglity Technologies Pvt Ltd	Supply, Installation & Commissioning of Video Conferencing System for Remote Operation at NTPC Koldam at NTPC Koldam	2018-19	20,99,820.00
266	BHARAT HEAVY ELECTRICALS LTD	Procurement of Spare LV & HV Neutral Bushing for Generator Transformer at NTPC Koldam	2018-19	24,04,840.00
267	S M SEALS LTD	Procurement of End Seals at NTPC Koldam	2018-19	43,25,382.11
268	SUPREME INFRASTRUCTURE INDIA LTD	Construction Of Off site building	2018-19	1,72,11,624.90
269	MARUBENI CORPORATION	EM PACKAGE FOR KOLDAM HEPP	2018-19	2,06,28,149.20
270	Gammon India Ltd.	MAIN PLANT BUILDING-POWER HOUSE-Arbitration	2018-19	35,35,36,117.00

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PART II		
FORM 19		
PART II		
FORM 18		
Summary of issue involved in the petition		
1. Petitioner:		NTPC Ltd
2. Subject:		Tariff Petition 2019-24
3. Prayer:		
	i.	Approve tariff of Koldam Hydro Electric Project (4 X 200 MW) for 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 additional O&M Expenses due to impact of pay revision, GST and grant liberty to claim the impact of revision of minimum wages in terms of Regulation 35(2) (a);
	iv.	Pass any other order as it may deem fit in the circumstances mentioned above.
4 Respondents		
		Name of Respondents:
	a.	UPPCL
	b.	RUVNL
	c.	HPPC
	d.	PSPCL
	e.	PDD J&K
	f.	HPSEBL
	g.	UPCL
	h.	ED UT Chanigad
5. Project Scope		
IC	MW	800
DE	MU	3054.79
FEHS	MU	393.15
AUX	%	1
NAPAF	%	90
Cost		
Sanction Cost	Cr	
Latest RCE	Cr	
Commissioning		
Unit/Station COD		15.07.2015
Claim		
AFC	Cr	606.01/600.14/596.21/589.58/581.15
Capital cost	Cr	7004.28/7072.28/7152.28/7183.28/7197.53
Initial spare	Cr	
NAPAF	%	90
Design Energy	Mu	3054.79
Any Specific		