PETITION NO. ...../GT/2019

PETITION FOR TRUING UP OF TARIFF FOR THE PERIOD 2014-19 AND TARIFF PETITION FOR THE PERIOD 2019-24 IN RESPECT OF TANAKPUR POWER STATION

एनएचपीसी लिमिटेड
(भारत सरकार का उद्यम)
NHPC Limited
(A Govt. of India Enterprise)

COMMERCIAL DIVISION

N.H.P.C. OFFICE COMPLEX,
SECTOR-33, FARIDABAD (HARYANA)-121003

Volume-I

BEFORE THE HON'BLE CENTRAL ELECTRICITY REGULATORY COMMISSION, NEW DELHI

Petition No. /GT/2019

IN THE MATTER OF:

Petition under 79(1) & 86 of the CERC (Conduct of Business), Regulations, 1999, Section 62(1)(a) of the Electricity Act, 2003 and Regulation 8 & 14(3), 25(3) of CERC (Terms and Conditions of Tariff) Regulations, 2014 for truing up of tariff for the period 2014-19 in respect of **Tanakpur Power Station.**

AND IN THE MATTER OF:

Petition under 79(1) & 86 of the CERC (Conduct of Business), Regulations, 1999, Section 62(1)(a) of the Electricity Act, 2003 and Regulation 9(2), 10(1), 12, 25, 26 & 35 (2) of CERC (Terms and Conditions of Tariff) Regulations, 2019 of CERC (Terms and Conditions of Tariff) Regulations' 2019 for determination of tariff for the period 2019-24 in respect of **Tanakpur Power Station**.

PETITIONER

NHPC Limited,
(A Govt. of India Enterprise)
NHPC Office Complex, Sector-33,
Faridabad (Haryana) - 121 003.

RESPONDENTS:

The Chairman, **& 12 others**
Punjab State Power Corporation Ltd.,
The Mall, Near Kali Badi Mandir, Patiala-147001
(Punjab).

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NHPC Limited
Through

(M G Gokhale)
General Manager (Comml.)

Place : Faridabad
Date : 23.10.2019

BEFORE THE HON'BLE CENTRAL ELECTRICITY REGULATORY COMMISSION, NEW DELHI

Petition No. /GT/2019

IN THE MATTER OF:

Petition under 79(1) & 86 of the CERC (Conduct of Business), Regulations, 1999, Section 62(1)(a) of the Electricity Act, 2003 and Regulation 8 & 14(3), 25(3) of CERC (Terms and Conditions of Tariff) Regulations, 2014 for truing up of tariff for the period 2014-19 in respect of **Tanakpur Power Station.**

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PETITIONER

NHPC Limited,
(A Govt. of India Enterprise)
NHPC Office Complex, Sector-33,
Faridabad (Haryana) - 121 003.

Respondents:

1) The Chairman,
Punjab State Power Corporation Ltd,
The Mall , Near Kali Badi Mandir,
Patiala - 147 001 (Punjab).

2) The Chairman,
Haryana Power Purchase Centre
Shakti Bhawan, Sector - 6
Panchkula-134 109 (Haryana).

3) The Chief Executive Officer,
BSES Rajdhani Power Ltd., BSES Bhawan,
Nehru Place, New Delhi-110 019.

4) The Chief Executive Officer,
BSES Yamuna Power Ltd.,
Shakti Kiran Building,
Karkardooma, Delhi-110 072.

5) The Chief Operating Officer,
Tata Power Delhi Distribution Ltd.
33 kV Sub-Station Building,
Hudson Lane, Kingsway Camp,
New Delhi-110 009.

6) The Principal Secretary,
Power Development Department,
New Secretariat,
Jammu -180 001 (J&K)

7) The Chairman,
Uttar Pradesh Power Corporation Ltd.,
Shakti Bhavan, 14, Ashok Marg,
Lucknow - 226 001 (Uttar Pradesh).

8) The Managing Director,
Ajmer Vidyut Vitaran Nigam Limited (AVVNL),
Old Power House, Hatthi Bhatta,
Jaipur Road, Ajmer - 305 001 (Rajasthan).

9) The Managing Director,
Jaipur Vidyut Vitaran Nigam Limited (JVVNL),
Vidyut Bhawan, Janpath,
Jaipur - 302 005.

10) The Managing Director,
Jodhpur Vidyut Vitaran Nigam Limited (JdVVNL),
New Power House, Industrial Area,
Jodhpur - 342 003 (Rajasthan).

11) Chairman-Cum-Managing Director,
Uttaranchal Power Corporation Ltd.,
Urja Bhawan, Kanwali Road,

12) Chief Engineer & Secretary,
Engineering Deptt., 1st Floor,
UT Secretariat, Sector 9-D,
Chandigarh – 160 009.

13) The Chairman,
Himachal Pradesh State Electricity Board,
Vidyut Bhawan, Kumar House,
Shimla - 171 004 (Himachal Pradesh).

Petition under 79(1) & 86 of the CERC (Conduct of Business), Regulations, 1999, Section 62(1)(a) of the Electricity Act, 2003 and Regulation 8, 14(3) and 25(3) of CERC (Terms and Conditions of Tariff) Regulations, 2014 its subsequent amendment and Regulation 9(2), 10 (1), 12, 25, 26 & 35 (2) of CERC (Terms and Conditions of Tariff) Regulations, 2019 in respect of Tanakpur Power Station.

It is respectfully submitted that:

1. NHPC Limited, hereinafter called 'NHPC', is a Government of India 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 Tanakpur Power Station (3x31.4 =94.2 MW) owned by NHPC is located in the State of Uttrakhand and supplying power to its beneficiaries in the Northern Region since its Commercial operation (i.e. w.e.f 01.04.1993).

3. NHPC has constructed Tanakpur and is operating and maintaining the same, since its Commercial Operation. The power generated from this Power Station is being supplied to the various Bulk Power beneficiaries / Customers / Successor utilities in Northern Region, i.e. Respondents herein as per Power Purchase Agreements (PPAs) / BPSAs signed with them.

4. Section 62 of Electricity Act, 2003 provides for determination of tariff by the Appropriate Commission for supply of electricity by a generating company to a distribution licensee. 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.

5. The Hon'ble Commission had determined the tariff of Tanakpur for the tariff period 01.04.2014 to 31.03.2019 vide its order dated 19.02.2016 in petition No. 226/GT/2014 in accordance with the Central Electricity Regulatory Commission (Terms and Conditions of Tariff) Regulations, 2014 and subsequent amendments thereof.

PART-A: TRUING UP OF TARIFF FOR THE PERIOD 2014-19

6. The projected additional capitalization & de-capitalization (including discharge of liabilities, if any) allowed by the Hon'ble Commission vide its order dated 19.02.2016 is summarized as under:

(₹ in lakh)

Year	2014-15	2015-16	2016-17	2017-18	2018-19
Net additional capital expenditure allowed	15.00	51.00	2184.00	18.00	-
De-capitalization	2.84	11.00	522.36	3.30	-
Additional Capital expenditure allowed	**12.16**	**40.00**	**1311.64**	**14.70**	-

7. The details of Annual Fixed Charges (AFC) allowed by the Hon'ble Commission vide order dated 19.02.2016 considering the opening capital cost of ₹ 40764.41 Lakh (as on 01.04.2014) and above additional capitalization is as under:

(₹ in lakh)

Particulars	2014-15	2015-16	2016-17	2017-18	2018-19
Return on Equity	2001.48	2003.01	2042.77	2081.78	2082.22
Interest on Loan	0.00	0.00	0.00	0.00	0.00
Depreciation	975.65	977.58	1028.83	1112.04	1112.92
Interest on Working Capital	460.84	486.99	516.88	549.34	580.98
O & M Expenses	7101.62	7573.45	8076.63	8613.24	9185.51
AFC	**10539.59**	**11041.03**	**11665.11**	**12356.41**	**12961.62**

8. The present petition is being filed as per regulation 8, 14 and 25 of CERC (Terms and Conditions of Tariff) Regulation, 2014 for truing up of tariff for

the period 2014-19. The relevant extracts of regulation 8, 14 and 25 is reproduced hereunder:

*"8. **Truing up***

(1) The Commission shall carry out truing up exercise along with the tariff petition filed for the next tariff period, with respect to the capital expenditure including additional capital expenditure incurred up to 31.3.2019, as admitted by the Commission after prudence check at the time of truing up:

*Provided that the generating company or the transmission licensee, as the case may be, shall make an application for **interim truing up** of capital expenditure including additional capital expenditure **in FY 2016-17**.*

(2) The generating station shall carry out truing up of tariff of generating station based on the performance of following Controllable parameters:

a) Controllable Parameters:

i) Station Heat Rate;

ii) Secondary Fuel Oil Consumption;

*iii) **Auxiliary Energy Consumption**; and*

iv) Re-financing of Loan.

.....

.....

.....

*(8) The generating company or the transmission licensee as the case may be, shall carry out the truing up of **grossed up rate of return on equity** in accordance with Clause 3 of Regulation 25 of these regulations.*

……

……

……"

"*14.* ***Additional Capitalisation and De-capitalisation:***

……

……

(3) The capital expenditure, in respect of ***existing generating station*** *or the transmission system including communication system, incurred or projected to be incurred on the following counts* ***after the cut-off date****, may be admitted by the Commission, subject to prudence check:*

(i) Liabilities to meet award of arbitration or for compliance of the order or decree of a court of law;

(ii) Change in law or compliance of any existing law;

(iii) Any expenses to be incurred on account of need for higher security and safety of the plant as advised or directed by appropriate Government Agencies of statutory authorities responsible for national security/internal security;

(iv) ……

(v) Any liability for works executed prior to the cut-off date, after prudence check of the details of such undischarged liability, total estimated cost of package, reasons for such withholding of payment and release of such payments etc.;

(vi) Any liability for works admitted by the Commission after the cut-off date to the extent of discharge of such liabilities by actual payments;

(vii) ……

(viii) ***In case of hydro generating stations, any expenditure which has become necessary*** *on account of damage caused by natural calamities (but not due to flooding of power house attributable to the negligence of the generating company) and due to geological reasons after adjusting the proceeds from any insurance scheme, and* ***expenditure incurred due to any additional work which has become necessary for successful and efficient plant operation;***

(ix) .....

(x) .....

Provided that any expenditure on acquiring the minor items or the assets including tools and tackles, furniture, air-conditioners, voltage stabilizers, refrigerators, coolers, computers, fans, washing machines, heat convectors, mattresses, carpets etc. brought after the cut-off date shall not be considered for additional capitalization for determination of tariff w.e.f. 1.4.2014:

.....
.....
....."

"25. Tax on Return on Equity:

(3) ***The generating company or the transmission licensee, as the case may be, shall true up the grossed up rate of return on equity at the end of every financial year based on actual tax paid together with any additional tax demand including interest thereon, duly adjusted for any refund of tax including interest received from the income tax authorities pertaining to the tariff period 2014-15 to 2018-19 on actual gross income of any financial year****. However, penalty, if any, arising on account of delay in deposit or short deposit of tax amount shall not be claimed by the generating company or the*

transmission licensee as the case may be. ***Any under-recovery or over-recovery of grossed up rate on return on equity after truing up, shall be recovered or refunded to beneficiaries or the long term transmission customers/DICs as the case may be on year to year basis.***"

9. Hon'ble Commission vide Suo-moto order no. 03/SM/2017 dated 08.03.2017 has reviewed the provision of interim truing up of tariff under regulation 8(1) of CERC Tariff Regulations'2014. Para 4 of said order is reproduced below:

.....

"It shall not be mandatory for the generating Companies and transmission licensees to file the application for interim truing up in terms of proviso to Clause (1) of the Regulation 8 of 2014 Tariff Regulation. ***The generating companies or transmission licensees shall make applications for truing up at the end of the tariff period. Only in those cases where the variation is more than 30% of the Annual Fixed Charges granted, the generating company or transmission licensees may approach the Commission for interim truing up.***"

10. In case of Tanakpur, the variation in AFC was less than 30% during 2014-15 and 2015-16. Accordingly, petitioner has not approached the Hon'ble Commission for interim-truing up during 2016-17.

11. In view of above, the present petition is filed on account of following reasons:

a. There is variation in additional capital expenditure allowed by CERC vide order dated 19.02.2016 and actual additional capital expenditure incurred by Tanakpur during 2014-19. Further, some of the additional capital

expenditure (including corresponding deletion) allowed by CERC has not been incurred / not to be incurred & therefore now being surrendered in this petition.

b. There are certain additional capital expenditures which were not projected earlier, however incurred by the power station due to site specific requirements which are essential for successful and efficient plant operation. Such additional capitalization needs to be included as part of capital base for the purpose of tariff.

c. To carry out truing up of grossed up rate of return on equity based on 'effective tax rate' applicable to NHPC for the period 2014-19 in line with Regulation 25(3) of CERC Tariff Regulations, 2014.

d. To carry out truing up of tariff of generating station based on actual Auxiliary Energy Consumption (AUX) for the period 2014-19 as per Regulation 8(2)(a)(iii) of CERC Tariff Regulations, 2014.

e. To carry out truing up of tariff of generating station based on Re-financing of Loan as per regulation 8 (2)(a)(iv) of CERC Tariff Regulations, 2014.

12. The details of net additional capitalization to be claimed for tariff have been derived from the actual capital additions as per books for the period 2014-19. The detailed of the same is tabulated below:

(₹ in lakh)

S. No.	Particulars	14-15	15-16	16-17	17-18	18-19
A.	Addition during the year / period	100.36	186.12	1,074.59	133.32	77.49
B.	Less: De-capitalisation during	46.02	52.81	194.11	31.38	6.058

	the year / period					
C.	Add: Discharges during the year / period	20.20	0.00	0.00	0.00	10.15
D.	**Net Addition (A-B+C)**	**74.54**	**133.31**	**880.48**	**101.93**	**81.58**

13. There are certain additional capitalizations which were not claimed earlier in petition no. 226/GT/2014 and have become necessary for successful and efficient operation of the generating station. These works have been undertaken as per site requirement of power station and capitalized in the books for the period 2014-19. Such additional capitalization has been claimed in Form 9A with detailed justification. Hon'ble Commission is requested to allow such Add cap for the purpose of tariff of the generating station.

14. With the adoption of IND AS (New Accounting Standard), spare parts are to be accounted for as per IND-AS 16-Property, Plant and Equipment. Accordingly, the treatments of Spares in financial statement of the power station have been changed w.e.f. FY 2016-17. In line with the provisions of IND-AS, some of the spares which have been consumed w.e.f. FY 2016-17 has been claimed against replacement during respective years. However, spares which are capitalised but not consumed have been kept under exclusion category (Form 9D) and not claimed for tariff as these assets are actually not put to use during respective years. Such assets will be claimed for tariff in the year in which the assets are actually put to use by de-capitalizing the old assets. Further, certain items in the nature of minor assets, tools & tackles, furniture, computers etc. which are not allowed to be capitalized for the purpose of tariff after the cut-off date as per provisions of regulation 14(3)(x) of CERC Tariff Regulations,2014 has been kept under exclusion category (Form 9D). The deletion of such items has also been kept under exclusion

category in Form 9B(i) as the corresponding positive entries are not being allowed by CERC for the purpose of tariff. This is also in line with the decision of Hon'ble Commission at para-31 of order dated 19.02.2016 in petition no. 226/GT/2014. Accordingly, Hon'ble Commission is requested to exclude / ignore such negative entries for the purpose of tariff.

15. Considering the above facts, the net additional capitalization already allowed by CERC vide order dated 19.02.2016 and net actual additional capitalization for 2014-19 claimed in the instant petition is summarized as under:

(₹ in lakh)

Year	2014-15	2015-16	2016-17	2017-18	2018-19
Net Add Cap allowed vide order dated 19.02.2016	**12.16**	**40.00**	**1311.64**	**14.70**	-
Net Actual Add Cap claimed in this petition	**74.54**	**133.31**	**880.48**	**101.93**	**81.58**

16. **Capital cost:** Considering the above additional capitalization and opening capital cost of ₹ 40764.41 lakh (as on 01.04.2014) considered by CERC in tariff order dated 19.02.2016, the year wise capital cost considered for computation of tariff is as under:

(₹ in lakh)

Particulars	2014-15	2015-16	2016-17	2017-18	2018-19
Opening Capital Cost	40764.41	40838.95	40972.26	41852.74	41954.67
Net Additional capitalization during the year	74.54	133.31	880.48	101.93	81.58
Closing Capital Cost	**40838.95**	**40972.26**	**41852.74**	**41954.67**	**42036.26**

17. Computation of Annual Fixed Charges (AFC):

Based on the above capital cost, the various components of tariff have been worked out in the following manner as specified in relevant regulations:

a. Return on Equity (ROE):

a. The Tanakpur Power Station is a Purely ROR scheme, the base rate for computation of ROE has been considered at 15.5% as per regulation 24(2) of Tariff Regulation'2014.

b. The base rate of ROE has been grossed up with the 'effective tax' rate applicable to NHPC as per regulation-25(1) of CERC Tariff Regulation'2014. The details of the same are furnished in Form-1(ii) of **Annexure-I.**

b. Depreciation:

As Tanakpur has already completed 12 years of its useful life, spreading of remaining depreciable value over the balance useful life of power station has been considered in line with Regulation 27 of CERC Tariff Regulations, 2014.

c. Interest on loan:

The actual loan for this project has already been repaid. The normative loan on account of the additional capital expenditure during the period 2014-19 have also been considered as fully paid, as the calculated depreciation is more than the amount of normative loan in these years. Accordingly, interest on loan has been considered as zero in all the years of

tariff period 2014-19 in line with Regulation 26(3) of CERC Tariff Regulations, 2014.

d. <u>O&M Expenses:</u>

The O&M expenses applicable for Tanakpur for the tariff period 2014-19 has already been notified by the Hon'ble Commission vide CERC (Terms & Conditions of Tariff) Regulations, 2014 based on previous years' actual O&M expenses of the Power Station. However, while finalizing this data, expenses booked under the head "Capital Spares", "Expenditure of Capital nature as per accounting practice not claimed/disallowed in capital cost" etc. were excluded / not considered by CERC. This is evident from para-29.43 of Statement of Reasons (SOR) to CERC (Terms & Conditions of Tariff) Regulations, 2014 (page no. 153) which is reproduced hereunder:

"29.43 Further, the Commission has reviewed the norms proposed in the draft Regulations in view of the fact that ***some of the Central Generating Companies including NTPC and NHPC have booked expenses under the heads "Capital Spares" and "Expenditure of Capital nature as per accounting practice not claimed/disallowed in capital cost".*** *The Commission, while deriving the norms, had not considered "Expenditure of Capital nature as per accounting practice not claimed/disallowed in capital cost". After repeated communications from the Commission for submitting the breakup of such expenses incurred, NTPC submitted capital spares data at a very late stage. The Commission prima facie observed that the capital spares data submitted needs detailed scrutiny before being approved. NHPC did not submit the required data in this regard. The Commission prima facie observed that the capital spares data submitted needs detailed scrutiny before being approved. NHPC did not submit the required data in this regard.* ***The Commission has therefore, not included***

such expenses as a part of O&M expenses. The Commission shall, however, consider the same separately at the time of truing up after prudence check of actual data. The generating stations should submit the details of the year-wise capital spares consumed substantiating that the same has not been funded through either compensatory allowance or special allowance and has not booked such expenses as additional capitalisation or as a part of repair and maintenance expenses and consumption of stores and spares as applicable for thermal and hydro generating stations."

In line with the above directions of CERC, the details of consumption of capital spares during 2014-19 are being submitted with the instant petition **(Annex-IV)** as summarized below:

(₹ in lakh)

Year	Consumption of Capital Spares
2014-15	61.39
2015-16	110.87
2016-17	1.13
2017-18	0.70
2018-19	1.53

As compensatory allowances or special allowances are not being obtained for hydro generating stations and capital spares are not being claimed under additional capitalization, Hon'ble Commission is requested to allow separate reimbursement of above expenses in addition to the O&M expenses already allowed during 2014-19.

A separate petition no. 228/MP/2019 has already been submitted by the petitioner for recovery of impact of wage revision of NHPC employees and deputed employees of Kendriya Vidyalaya (KV) / Dayanand Anglo Vedic

(DAV) & Central Industrial Security Force (CISF) in Tanakpur Power Station during the period 01.01.2016 to 31.03.2019.

e. **Interest on working capital**

The applicable rate of interest on working capital is 13.5% (SBI Base Rate as on 01.04.2014 + 350 basis points), as regulation 28(3) of CERC Tariff Regulations'2014.

18. Based on the capital cost & parameters mentioned at para-16 & para-17 above, the petitioner has computed the revised Annual Fixed Charges (AFC) for the tariff period 2014-19. The details of AFC allowed by CERC vide order its dated 19.02.2016 and computed by the petitioner and claimed in the instant petition is summarized below:

(₹ in lakh)

Particulars	**2014-15**	**2015-16**	**2016-17**	**2017-18**	**2018-19**
AFC allowed vide order dtd. 19.02.2016	**10539.59**	**11041.03**	**11665.11**	**12356.41**	**12961.62**
AFC Claimed in instant petition					
Depreciation	977.65	986.93	1,027.63	1,078.77	1,089.04
Interest on Loan	0.00	0.00	0.00	0.00	0.00
Return on Equity	2023.85	2034.94	2048.81	2091.77	2105.48
Interest on Working Capital	461.40	487.94	516.99	548.80	580.97
O & M Expenses	7101.62	7573.45	8076.63	8613.24	9185.51
Total	**10564.52**	**11083.26**	**11670.06**	**12332.58**	**12960.99**

The difference between claimed AFC in the instant petition and allowed AFC as per order dated 19.02.2016 may be allowed to be recovered / refunded from / to the beneficiaries as per provisions of clause (11), (12) and (13) of Regulation 8 of CERC (Terms and Conditions of Tariff) Regulations, 2014.

19. **Recovery of expenditure on account of damage due to flood:**

Due to cloudburst in upper region of Sharda river on 16/06/2013(night), a flash flood having discharge magnitude of 5.34 lac cusecs passed through Tanakpur barrage on 17-18/06/2013 which damaged the right and left afflux bund of barrage reservoir and protection works at Power Channels near MES area in river Sharda. The damages occurred on account of flood which was noticed as permanent, destroying and degenerative in nature.

Huge Devastation/calamity occurs rarely in nature and such flood of similar intensity occurred long back in the year 1928.

Cause of loss was on account of passing of huge discharge in Sharda River having variations and turbulences at very large scale as well as due to flood disaster in Uttrakhand.

Further during 2014, the same incident was again occured and flood / inundation loss to the above site took place due to heavy flow of flood water measuring 3.00 lacs cusecs effecting & damaging the protection near the right afflux bund at barrage site on 19/07/2014 and 20/07/2014.

In view of above, based on expenditures incurred for repair works during 2013 & 2014 (details placed at **Appendix-I to Annex-III {page-241 to 245}**), claim of loss for repair work was submitted to insurance company M/s New

India Assurance Co. M/s New India Assurance Co has submitted the loss assessment report for damage during 2013 and 2014 on 13.06.2016 and 10.03.2017 (**Appendix-II to Annex-III {page-246 to 284}**) respectively. In the assessment report, insurance company agreed for a lesser claim. Details of claim raised by petitioner and agreed by insurance company are detailed below:

(Amount in Rs.)

Year	Expenditure on account of restoration work submitted to insurance company	Claim agreed by Insurance Company	Difference
2013	1772,25,654	863,845,82	908,410,72
2014	370,52,782	113,88,758	256,64,024
Total	**21,42,78,436**	**9,77,73,340**	**11,65,05,096**

As mentioned above, the insurance company has not allowed the expenditure amounting to Rs. 90841072 against claim for 2013 and Rs. 25664024 against claim for 2014. Hence, a total of Rs. 116505096 was not allowed by insurance company due to various reasons as mentioned at **Appendix-III to Annex-III {page-285}**.

As the expenditure amounting of Rs. 90841072 for 2013 and Rs. 25664024 for 2014 not agreed by insurance company the same was booked under Repair & Maintenance head under O&M Expenses during 2013-14 to 2015-16.

Hon'ble Commission vide order no. L-1/225/2017/CERC dated 10.11.2017 directed the Central Generating Companies to furnish the actual O&M data for the period 2012-13 to 2016-17 for finalizing the O&M Expenditure for the

period 2014-19. Accordingly, petitioner has submitted the actual O&M expenditure along with reasons for variation for the period 2012-13 to 2016-17 for in respect of Tanakpur Power Station vide affidavit dated 25.01.2018. Copy of the relevant pages of submitted information is attached as **Appendix-IV to Annex-III {page-286 to 296}**. Subsequently actual O&M expenses for the period 2017-18 were also submitted to CERC.

As per Explanatory Memorandum to Draft CERC Tariff Regulations'2019, at para-14.5.24 (**Appendix-V to Annex-III {page-297 to 299}**), following O&M expenses are considered for the 2013-14 to 2017-18 by Hon'ble Commission for finalization of O&M Expenses for the period 2019-24 against our submitted actual expenditure:

(Amount in Crs)

Year/Description	**2013-14**	**2014-15**	**201-16**	**2016-17**	**2017-18**
O&M Expenses claimed by petitioner	81.29	95.05	114.90	124.17	119.11
Less: Items not allowable under O&M Exp. as per explanatory memorandum					
Productive Linked incentive	1.43	2.05	2.20	5.19	4.68
VRS-Ex-Gratia	0.28	0.17	0.08	0.00	0.00
Ex-Gratia	0.00	0.00	0.00	0.00	0.00
Performance related Pay (PRP)	0.84	1.51	1.69	2.27	4.81
Net O&M Expenses (A)	**78.73**	**91.31**	**110.93**	**116.71**	**109.62**
O&M Expenses considered by CERC a per Explanatory Memorandum (B)	**74.94**	**81.89**	**90.40**	**84.59**	**101.13**
O&M Expenses not considered by CERC (B-A)	**-3.79**	**-9.42**	**-20.53**	**-32.12**	**-8.49**

It is clear from above, that there is a huge gap between the actual O&M Expenses claimed and O&M Expenses considered by Hon'ble Commission which is creating cash flow problem to the petitioner. It seems that, Hon'ble Commission has not considered the additional R&M expenditures booked under O&M during 2013-14 to 2015-16.

The CERC Tariff Regulations, 2014 do not specifically provide reimbursement expenditure which was booked under O&M Expenses not allowed by Insurance Company. However, Hon'ble Commission under provisions of Regulation 55 of CERC Tariff Regulations, 2014 is vested with the powers to remove difficulty (if any) in implementing the provisions of said regulations and also under Regulation 54 has the powers to relax the same.

Accordingly, the petitioner humbly request the Hon'ble Commission to allow reimbursement of additional expenditure amounting to **Rs. 11,65,05,096** which was not considered for fixation of O&M Expenses for the period 2019-24 by the Hon'ble Commission in respect of Tanakpur Power Station by relaxing the above provisions of CERC Tariff Regulation'2014.

20. Recovery of Impact of GST:

Govt. of India has implemented Goods and Services Tax Act, 2017 with effective from **01.07.2017** all over India except in the state of J&K. The said Act has been implemented in the state of J&K w.e.f. **08.07.2017**.

MoP, GoI has issued a direction to CERC under Section 107 of the Electricity Act, 2003 on 27.08.2018 which states as under:

(a) ***Any change in domestic duties, levies, cess and taxes*** *imposed by Central Government, State Governments / Union Territories or by any*

Government instrumentality leading to corresponding changes in the cost, ***may be treated as "Change in Law"*** *and may unless provided otherwise in the PPA,* ***be allowed as pass through.***

.....

(e) The impact of such change in law shall be effective ***from the date of change in law.***

Hon'ble Commission vide its order dated 14.03.2018 (in Petition No. 13/SM/2017) and order dated 17.12.2018 (in Petition No. 01/SM/2018) has already considered the implementation of GST as **'change in law'**.

The tax paid in Operation and Maintenance of plants (service portion) are loaded in O&M expenses of the respective power stations. The Hon'ble Commission had fixed the O&M expenses in case of NHPCs power stations for the period 2014-19 based on actual expenses incurred during past 5 years, whereas GST has been implemented w.e.f. 01.07.2017 only. Accordingly, the additional tax implications due to implementation of GST was **not factored** by the Commission while allowing O&M expenses for the period 2014-19.

Accordingly, we have petition no. 133/MP/2019 in CERC on 26.04.2019 and requested Hon'ble Commission to consider the implementation of GST as 'change in law' and allow reimbursement of additional expenditure, from the beneficiaries.

However, the said petition has been disposed of by Hon'ble Commission vide order dated 22.08.2019 granting liberty to the petitioner to raise the claim for reimbursement of additional tax on Operation and Maintenance expenses due to implementation of Goods and Service Act, 2017 along with the truing up petition for the period 2014-19.

The additional impact of GST during FY 2017-18 (01.07.2017 to 31.03.2018) and FY 2018-19 in respect of Tanakpur duly certified by statutory auditors (**Annex-VI**) are tabulated below:

Additional Impact of GST on O&M Expenses (in Rs.)			
2017-18	**2018-19 (01.04.18 to 31.12.18)**	**2018-19 (01.01.19 to 31.03.19)**	**Total**
2938076	3910312	1561897	8410284

The CERC Tariff Regulations, 2014 do not specifically provide reimbursement of the additional tax implications due to implementation of GST. However, Hon'ble Commission under provisions of Regulation 55 of CERC Tariff Regulations, 2014 is vested with the powers to remove difficulty (if any) in implementing the provisions of said regulations and also under Regulation 54 has the powers to relax the same.

Accordingly, the petitioner humbly request the Hon'ble Commission to allow **reimbursement of additional tax paid due to implementation of GST** in respect of Tanakpur Power Station from the respondents, in proportion to their allocation of power.

21. Filing fee in respect of operating power stations of NHPC are being paid regularly on year on year basis to CERC during the month of April in line with CERC (Payment of Fees) Regulations, 2012. The tariff filing fee so paid is recoverable from the respondents as per Regulation 52(1) of CERC Tariff Regulations, 2014. Details of Tariff filing fee paid during 2014-19 in respect of Tanakpur Power Station is as under.

Year	Amount (in Rs.)	UTR No.
2014-15	4,14,480	SBIN81411828677
2015-16	4,14,480	SBIN215117557035
2016-17	4,14,480	SBIN316119888250
2017-18	4,14,480	SBIN317115658067
2018-19	4,14,480	SBIN718116392141
Total	**20,72,400/-**	

Accordingly, filing fee is not being paid separately by the petitioner along with this petition. Copy of letters are attached as **Annexure-VIII**.

22. The above tariff is exclusive of any statutory taxes, levies, duties, cess, charges or any other kind of imposition(s) whatsoever imposed / charged by any Government (Central / State) and / or any other local bodies / authorities / regulatory authorities through any act or regulation in relation to generation of electricity including auxiliary consumption or any other types of consumption including water, transmission of power, environmental protection, sale or on supply of power / energy, and / or in respect of any of its installations associated with Generating Stations and / or on transmission system.

23. The amount of such taxes/duties/cess/levies/charges etc. payable by NHPC to the authorities concerned in any month on account of the said taxes/duties /cess/levies/charges etc. as referred above shall be borne and additionally paid by the respondents to the petitioner

24. Further, the tariff proposal is exclusive of any transmission / communication / ULDC charges to be paid to PGCIL, POSOCO / NLDC under sharing regulations and RLDC Fees and charges under CERC (Fees & Charges of

RLDC and other related matters) Regulations, 2009. These charges as applicable shall be directly recoverable from beneficiaries as per Regulation 43 & 52(2)(a) of CERC Tariff Regulations, 2014.

25. Further, as per regulation 8 (2)(a)(iii) & (iv), generating station shall carry out truing up of tariff based on the performance of controllable parameters such as Auxiliary Energy Consumption (AUX) and refinancing of loan.

a. <u>Truing up of tariff based on actual Auxiliary Energy Consumption (AUX) for 2014-19:</u>

The financial gain on account of actual auxiliary energy consumption being less than the normative auxiliary energy consumption is to be shared in the ratio of 60:40 between generating station & beneficiaries as per regulation 8(6) of CERC Tariff Regulations, 2014 and its subsequent amendment thereof. The details of actual auxiliary energy consumption for period 2014-19 are summarized below:

Parameters	2014-15	2015-16	2016-17	2017-18	2018-19
Normative Auxiliary Consumption	1.0%	1.0%	1.0%	1.0%	1.0%
Actual Auxiliary Consumption	2.0%	2.2%	2.7%	2.2%	2.0%
Saleable Design Energy (MU)	393.95	393.95	393.95	393.95	393.95
Saleable Schedule Energy (MU)	386.69	372.84	339.11	378.02	377.36

It is clear from above that, during 2014-19 period, the actual auxiliary energy consumption is greater than the normative auxiliary energy consumption and sealable schedule generation is also less than saleable design energy. Hence, there is no gain on account auxiliary energy

consumption during 2014-18 as per the procedure laid down in Regulation 8(6)(ii) of CERC Tariff Regulations, 2014. Copy of annual energy bills in support of actual Auxiliary consumption are attached as **Annex-IX**.

b. <u>Truing up of tariff based on refinancing of loan:</u>

As per regulation 8 (2)(a)(iv), generating station shall carry out truing up of tariff of generating station based on Re-financing of Loan. As there is no actual loan outstanding in case of Tanakpur Power Station, no truing up on account of Re-financing of Loan is required.

PART-B: TARIFF PETION FOR THE PERIOD 2019-24

1. In line with regulation 9(2), 10(1) and 12 of CERC Tariff Regulations'2019 petitioner is supposed to submit tariff petition for the period 2019-24 along with the truing up petition for the period 2014-19. The relevant extract of regulation 9(2) & 12 of CERC Tariff Regulations is reproduced as under:

"9 Application for determination of tariff

.....

(2) In case of an existing generating station or unit thereof, or transmission system or element thereof, the application shall be made by the generating company or the transmission licensee, as the case may be, by 31.10.2019, based on admitted capital cost including additional capital expenditure already admitted and incurred up to 31.3.2019 (either based on actual or projected additional capital expenditure) and estimated additional capital expenditure for the respective years of the tariff period 2019-24 along with the true up petition for the period 2014-19 in accordance with the CERC (Terms and Conditions of Tariff) Regulations, 2014."

"12 Truing up of tariff for the period 2014-19

The tariff of the generating stations and the transmission systems for the period 2014-19 shall be trued up in accordance with the provisions of Regulation 8 of Central Electricity Regulatory Commission (Terms and Conditions of Tariff) Regulations, 2014 along with the tariff petition for the period 2019-24. The capital cost admitted as on 31.3.2019 based on the truing up shall form the basis of the opening capital cost as on 1.4.2019 for the tariff determination for the period 2019-24."

Further, as per regulation 10(1) of CERC Tariff Regulations'2019, the petitioner is supposed to file petition as per relevant tariff forms (enclosed with the Tariff Regulation as Annex-I) containing details of projected additional capital expenditure for the tariff period 2019-24.

2. Truing up of tariff for the period 2014-19 along with relevant tariff forms and Annexure enclosed is attached with this petition under **Part-A.**

3. As the cut-off date of the project is already elapsed, the projected add cap for the period 2019-24 is being claimed under provisions of regulation 25 and 26 of CERC Tariff Regulations, 2019 which reads as under:

"25. Additional Capitalisation within the original scope and after the cut-off date:

.....

(2) In case of replacement of assets deployed under the original scope of the existing project after cut-off date, the additional capitalization may be admitted by the Commission, after making necessary adjustments in the gross fixed assets and the cumulative depreciation, subject to prudence check on the following grounds:

a. *The useful life of the assets is not commensurate with the useful life of the project and such assets have been fully depreciated in accordance with the provisions of these regulations;*
b. *The replacement of the asset or equipment is necessary on account of change in law or Force Majeure conditions;*
c. *The replacement of such asset or equipment is necessary on account of obsolescence of technology; and*

d. *The replacement of such asset or equipment has otherwise been allowed by the Commission."*

"26. Additional Capitalisation beyond the original scope:

(1) The capital expenditure, in respect of existing generating station or the transmission system including communication system, incurred or projected to be incurred on the following counts beyond the original scope, may be admitted by the Commission, subject to prudence check:

a. *Liabilities to meet award of arbitration or for compliance of order or directions of any statutory authority, or order or decree of any court of law;*

b. *Change in law or compliance of any existing law;*

c. *Force Majeure events;*

d. *Need for higher security and safety of the plant as advised or directed by appropriate Indian Government Instrumentality or statutory authorities responsible for national or internal security;*

e. *Deferred works relating to ash pond or ash handling system in additional to the original scope of work, on case to case basis:*

Provided also that if any expenditure has been claimed under Renovation and Modernisation (R&M) or repairs and maintenance under O&M expenses, the same shall not be claimed under this Regulation;

f. *Usage of water from sewage treatment plant in thermal generating station.*

(2) In case of de-capitalisation of assets of a generating company or the transmission licensee, as the case may be, the original cost of such asset as on the date of de-capitalisation shall be deducted from the value of gross fixed asset and corresponding loan as well as equity shall be deducted from outstanding loan and the equity respectively in the year such de-capitalisation takes place with corresponding adjustments in cumulative depreciation and cumulative repayment of loan, duly taking into consideration the year in which it was capitalised."

4. The closing capital cost as on 31.03.2019 amounting to Rs. 42036.26 lakh based on the truing up petition (**Part-A**) has been used as opening capital cost as on 31.03.2019 for computation of tariff for the tariff period 2019-24.

5. The details of projected capital expenditure for the tariff period 2019-24 considered in this petition has been given in Form-9A of Annex-II. The same is tabulated below:

(Rs in lakh)

S. No.	Particulars	2019-20	2020-21	2021-22	2022-23	2023-24
A.	Addition during the year / period	87.43	1,441.00	254.00	100.00	200.00
B.	Less: De-capitalisation during the year / period	0.57	680.79	73.02	0.00	40.91
C.	Add: Discharges during the year / period	9.93	0.00	0.00	0.00	0.00
D.	**Net Addition (A-B+C)**	**96.78**	**760.21**	**180.98**	**100.00**	**159.09**

6. Hon'ble Commission vide its order dated 19.02.2016 in petition no. 226/GT/2014 has allowed additional capital expenditure on projection basis.

However, due to unavoidable circumstances which were beyond the control of the petitioner, Power Station was not in a position to incur certain additional capital expenditure during 2014-19. Such additional capitalization which were already allowed by the Hon'ble Commission during 2014-19 period and are essentially required for efficient operation of the generating station are claimed during 2019-24. Hon'ble Commission is requested to allow such additional capitalization (spill over of items from 2014-19 period) during 2019-24 tariff period.

7. **Capital cost:** Considering the above projected additional capitalization and opening capital cost of Rs. 42036.26 lakh (as on 31.03.2019), the year wise capital cost considered for computation of tariff is as under:

(₹ in lakh)

Particulars	2019-20	2020-21	2021-22	2022-23	2023-24
Opening Capital Cost	42036.26	42133.04	42893.25	43074.23	43174.23
Net Additional capitalization during the year	96.78	760.21	180.98	100.00	159.09
Closing Capital Cost	**42133.04**	**42893.25**	**43074.23**	**43174.23**	**43333.33**

8. **Computation of Annual Fixed Charges (AFC):**

Based on the above capital cost, the various components of tariff have been worked out in the following manner as specified in relevant regulations:

a. **Return on Equity (ROE):**

a. The Tanakpur Power Station is a Pondage scheme, the base rate for computation of ROE has been considered at 15.5% for capital

expenditure already incurred up to 31.03.2019 and weighted average rate of interest applicable to the petitioner as a whole (i.e. 7.92%) for additional capital expenditure (excluding add cap on account of change in law and replacement of items which were earlier allowed by the Hon'ble Commission claimed under regulation 25(2) of CERC Tariff Regulations' 2019) w.e.f. 01.04.2019 as per regulation 30(2) of Tariff Regulation'2019.

b. The base rate of ROE considered at point 'a' has been grossed up with the prevailing MAT rate as on 01.04.2019 in line with regulation-31(1) of CERC Tariff Regulation'2019, which will be trued up subsequently based on ' Effective Tax' rate.

b. Depreciation:

As Tanakpur has already completed 12 years of its useful life, spreading of remaining depreciable value has been spread over the balance useful life of power station in line with Regulation 33 of CERC Tariff Regulations, 2019 considering the useful life of the power station as **40 years**.

c. Interest on loan:

The actual loan for this project has already been repaid. The normative loan on account of the additional capital expenditure during the period 2014-19 have also been considered as fully repaid, as the calculated depreciation is more than the amount of normative loan in these years. Accordingly, interest on loan has been considered as zero in all the years of tariff period 2019-24 in line with Regulation 32(3) of CERC Tariff Regulations, 2019.

d. <u>O&M Expenses:</u>

The O&M expenses applicable for Tanakpur for the tariff period 2019-24 has already been notified by the Hon'ble Commission under regulation 35 (2) of CERC (Terms & Conditions of Tariff) Regulations, 2019 based on previous years' actual O&M expenses of the Power Station. The relevant extract of regulation 35 (2) of CERC (Terms & Conditions of Tariff) Regulations, 2019

"35 Operation and Maintenance Expenses:

(2) Hydro Generating Station:

(a)……..

……..

Note: The impact in respect of revision of minimum wage, pay revision and GST, if any, will be considered at the time of determination of tariff.

……..

*(c) **The Security Expenses and Capital Spares for hydro generating stations shall be allowed separately** after prudence check:*

Provided further that the generating station shall submit the assessment of the security requirement and estimated expenses, the details of year-wise actual capital spares consumed at the time of truing up with appropriate justification."

While determining the O&M Expenses for the period 2019-24, Hon'ble Commission has not considered the impact in respect of revision of minimum wage, pay revision and GST, if any and it was mentioned that same will be considered at the time of determination of tariff. Accordingly, the impact of pay revision and GST are claimed over and above the allowed O&M Expenses as per the following details:

(Rs in Lakh)

Particulars	2019-20	2020-21	2021-22	2022-23	2023-24
Allowed O&M Expenses	10520.33	11021.79	11547.15	12097.55	12674.18
Impact of Wage Revision-NHPC Staff	1307.20	1369.55	1434.88	1503.33	1575.03
Impact of GST	57.33	60.07	62.93	65.93	69.08
Impact of Wage Revision-KV Staff	38.04	39.85	41.76	43.75	45.83
Revised O&M Expenses	**11922.90**	**12491.27**	**13086.72**	**13710.56**	**14364.13**

As per regulation 35 (2)(c) of CERC Tariff Regulations'2019, the Security Expenses and Capital Spares for hydro generating stations shall be allowed separately. Accordingly, based on the security requirement the estimated security expenses for the period 2019-24 is projected as under:

(Rs. in lakh)

Year	2019-20	2020-21	2021-22	2022-23	2023-24
Estimated Security Expenses	1335.69	1399.41	1466.16	1536.09	1609.37

Accordingly, Hon'ble Commission is requested to allow the above estimated security expenses for the period 2019-24. The expenditure on account of consumption of capital spares during 2019-24 shall be claimed at the time of truing up of tariff.

e. <u>Interest on working capital</u>

Interest on working capital has been computed on normative basis at the bank rate (MCLR+ 350 bp) (8.55%+3.50%=12.05%) as on 01.04.2019 as per Regulation 34 (c) of CERC Tariff Regulations, 2019.

9. Annual fixed charges (AFC) worked out in respect of Tanakpur for the period 01.04.2019 to 31.03.2024 based on the Central Electricity Regulatory Commission (Terms & Conditions of Tariff) Regulations, 2019 as under: (Refer Form-1 of Annex-II).

(Rs. in lakh)

AFC Component	2019-20	2020-21	2021-22	2022-23	2023-24
Depreciation	706.12	735.81	810.04	826.12	837.78
Interest on Loan	0.00	0.00	0.00	0.00	0.00
Return on Equity	1990.72	2014.57	2040.82	2047.08	2053.00
Interest on Working Capital	602.07	629.62	659.17	688.85	719.87
O & M Expenses	11922.90	12491.27	13086.72	13710.56	14364.13
AFC	**15221.81**	**15871.27**	**16596.74**	**17272.61**	**17974.77**

10. As per first proviso to regulation 14(3) of CERC Tariff Regulations'2014, in case of hydro generating stations the additional capital expenditure on account of **acquiring the minor items or the assets including tools and tackles, furniture, air-conditioners, voltage stabilizers, refrigerators, coolers, computers, fans, washing machines, heat convectors, mattresses, carpets etc. brought after the cut-off date shall not be considered for additional capitalization for determination of tariff w.e.f. 1.4.2014**. This provision regarding acquisition the minor items have been deleted in CERC Tariff Regulations'2019.

It is clear from above that, the additional capitalizations on account of minor items are allowed w.e.f. 01.04.2019. However, in the present petition,

additional capitalisation on account of minor items or the assets including tools and tackles, furniture, air-conditioners, voltage stabilizers, refrigerators, coolers, computers, fans, washing machines, heat convectors, mattresses, carpets etc. have not been considered and same will be claimed at the time of truing up of tariff for the period 2019-24.

11. Filing fee amounting to Rs.4,14,480/- for the year 2019-20 (first year of tariff period 2019-24) has already been electronically transferred through UTR No. SBIN219116877156 in terms of CERC (Payment of Fee) Regulations, 2012 & same has already been intimated to CERC vide letter dtd. 29.04.2014. Copy of said letter is attached as **Annex-VIII**. Further, the filing fee in respect of remaining years of tariff period 2019-24 will be remitted by the petitioner by 30th April of respective of respective year. Accordingly, the Hon'ble Commission is requested to allow reimbursement filing fee from beneficiaries in line with regulation 70(1) of CERC Tariff Regulations'2019.

12. In compliance to Central Electricity Regulatory Commission (Procedure for making of application for determination of tariff, publication of the application and other related matters) Regulations, 2004, the petitioner will publish the notice of tariff petition in respect of Tanakpur Power station in the newspapers. The proof of publication for the same will be submitted separately. Hon'ble Commission is requested to allow recovery of publication expenses from the beneficiaries.

13. The above tariff proposal is exclusive of any statutory taxes, levies, duties, cess or any other kind of imposition(s) whatsoever imposed / charged by any Government (Central / State) and / or any other local bodies / authorities / regulatory authorities in relation to generation of electricity including

auxiliary consumption or any other types of consumption including water, transmission of power, environmental protection, sale or on supply of power / energy, and / or in respect of any of its installations associated with Generating Stations and / or on transmission system.

14. The amount of such taxes / duties / cess / levies etc. payable by NHPC to the authorities concerned in any month on account of the said taxes / duties / cess / levies etc. as referred to above shall be borne and additionally paid by the respondents to NHPC and the same shall be payable by respondents in the proportion to Annual Capacity Charges payable by them.

15. Further, the tariff proposal is exclusive of any transmission / communication / ULDC charges to be paid to PGCIL, POSOCO / NLDC under sharing regulations and RLDC Fees and charges under CERC (Fees & Charges of RLDC and other related matters) Regulations, 2009. These charges as applicable shall be directly recoverable from beneficiaries as per regulation 70 of CERC Tariff Regulations, 2019.

Prayer

Part-A : Truing up of Tariff for the period 2014-19

1. Tariff of Tanakpur Power Station for the period 01.04.2014 to 31.03.2019 may be revised in accordance with Regulation-8 of Central Electricity Regulatory Commission (Terms & Conditions of Tariff) Regulations, 2014.

2. Allow such additional capital expenditure which were not allowed by CERC vide order dated 19.02.2016, but incurred due to site specific requirements during 2014-19 as mentioned in **para-13 (part-A)** above.

3. Allow exclusion of negative entries pertaining to items in the nature of minor assets, tools & tackles, furniture, computers etc. for the purpose of tariff as mentioned in **para-14 (part-A)** above.

4. Allow the net additional capitalization as claimed in **para-15** (part-A) above.

5. Allow truing up of grossing up rate of ROE based on 'effective tax' rate for the period 2014-19 as mentioned in **para-17 (a)** (part-A) above.

6. Allow reimbursement of expenses on account of 'consumption of capital spares' during 2014-19 as mentioned in **para-17 (d)** above.

7. The Annual Fixed Charges (AFC) of Tanakpur Power Station has been revised as **₹ 10564.52 lakh, ₹ 11083.26 lakh, ₹ 11670.06 lakh, ₹ 12332.58 lakh & ₹ 12960.99 lakh** for the FY 2014-15, 2015-16, 2016-17, 2017-18, & 2018-19 respectively, as mentioned in **para-18 (part-A)** above. The difference between calculated AFC and that allowed by CERC vide order dated 19.02.2016 may be allowed to be recovered / refunded from / to the respondents in the manner specified in Regulation 8(13) of CERC (Terms & Conditions of Tariff) Regulations, 2014 and its subsequent amendments.

8. To allow reimbursement of additional expenditure amounting to **Rs. 11,65,05,096** which was not considered for fixation of O&M Expenses for the period 2019-24 considering the same as 'Change in Law' by exercising its power vested under regulation 54 and 55 of CERC Tariff Regulations, 2014 as mentioned in **para-19 (part-A)**.

9. To allow reimbursement of additional tax paid due to implementation of GST from the respondents, in proportion to their allocation of power considering the same as 'Change in Law' by exercising its power vested under regulation 54 and 55 of CERC Tariff Regulations, 2014 as mentioned in **para-20 (part-A)**.

10. NHPC may be allowed to bill the Respondents for levies, taxes, duties, cess, charges, fee etc. if any, as mentioned in **para-22 to 24 (part-A)** above.

Part-B : Tariff Petition for the period 2019-24

11. Tariff of Tanakpur Power Station for the period 01.04.2019 to 31.03.2024 may be determined under Section 62(1) (a) of the Electricity Act, 2003 read with regulation-9(2) of the Central Electricity Regulatory Commission (Terms & Conditions of Tariff) Regulations, 2019 issued on 07.03.2019.

12. Allow the net additional capitalization for the period 2019-24 as claimed in **para-5 (Part-B)**.

13. Allow the additional capitalization (spill over of items from 2014-19 period) during 2019-24 tariff period as claimed in **para-6 (Part-B)**.

14. To allow the impact of wage revision and GST as additional O&M expenses as mentioned in **para-8 (d) (Part-B).**

15. To allow the estimated security expenses separately to be recovered from beneficiaries during 2019-24 as mentioned in **para-8(d) (Part-B).**

16. The Annual Fixed Charges (AFC) of Tanakpur Power Station for the period 2019-24 has been worked out as **₹ 15221.81 lakh**, **₹ 15871.27 lakh**, **₹ 16596.74 lakh**, **₹ 17272.61 lakh** & **₹ 17974.77 lakh** for the FY 2019-20, 2020-21, 2021-22, 2022-23, & 2023-24 respectively, as mentioned in **para-9 (Part-B)** above. The difference between calculated AFC and that allowed by CERC vide order dated 19.02.2016 (for the period 2018-19) may be allowed to be recovered / refunded from / to the respondents in the manner specified in Regulation 10(7) of CERC (Terms & Conditions of Tariff) Regulations, 2019 and its subsequent amendments.

17. Allow additional capital expenditure on account of acquiring the minor items or the assets including tools and tackles at the time of truing up of tariff as mentioned in **para-10 (Part-B)**.

18. Allow reimbursement of filing fee of this petition as mentioned in **para-11 (Part-B).**

19. Allow reimbursement of expenses incurred on publication of notices in the application of tariff for the period 2019-24 as mentioned in **para-12 (Part-B)**.

20. NHPC may be allowed to bill the Respondents for levies, taxes, duties, cess, charges, fee etc. if any, as mentioned in **para-13 to 15 (Part-B)** above.

21. Pass such other and further order / orders as are deemed fit and proper in the facts and circumstances of the case.

NHPC Limited.
Through

(M G Gokhale)
General Manager (Comml.)

Place : Faridabad
Date : 23.10.2019



हरियाणा HARYANA 10AA 039421

BEFORE THE HON'BLE CENTRAL ELECTRICITY REGULATORY COMMISSION, NEW DELHI

Petition No. /GT/ 2019

IN THE MATTER OF:

Petition under 79(1) & 86 of the CERC (Conduct of Business), Regulations, 1999, Section 62(1)(a) of the Electricity Act, 2003 and Regulation 8 & 14(3), 25(3) of CERC (Terms and Conditions of Tariff) Regulations, 2014 for truing up of tariff for the period 2014-19 in respect of **Tanakpur Power Station.**

AND IN THE MATTER OF:

Petition under 79(1) & 86 of the CERC (Conduct of Business), Regulations, 1999, Section 62(1)(a) of the Electricity Act, 2003 and Regulation 9(2), 10(1), 12, 25, 26 & 35 (2) of CERC (Terms and Conditions of Tariff) Regulations, 2019 of CERC (Terms and Conditions of Tariff) Regulations, 2019 for determination of tariff for the period 2019-24 in respect of **Tanakpur Power Station**.

NOTARY JOGINDER PAUL ADVOCATE DISTT. FARIDABAD HARYANA (INDIA) REGD. No.-2012 APPOINTED BY GOVT. OF INDIA

PETITIONER

NHPC Limited.,
(A Govt. of India Enterprise)
NHPC Office Complex, Sector-33,
Faridabad (Haryana) - 121 003.

RESPONDENT

The Chairman,
Punjab State Power Corporation Ltd,
The Mall , Near Kali Badi Mandir,
Patiala - 147 001 (Punjab).

& 12 others

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AFFIDAVIT VERIFYING THE PETITION

I, M G Gokhale S/o Late Sh. G D Gokhale aged 53 years working as General Manager (Commercial) in NHPC Limited, the applicant in the above matter do solemnly affirm and state as follows that:-

1. I am working as General Manager (Commercial) in NHPC Limited, and am well acquainted with the facts of the above matter.

2. The statements made in the petition herein are true to my knowledge and belief and are based on documents / records available and / or management's approval.

Solemnly affirmed at Faridabad on the day of 23rd October, 2019 that the contents of the above affidavit are true to my knowledge, no part of it is false and nothing material has been concealed therefrom.

DEPONENT

IDENTIFIED BEFORE ME

NOTARY JOGINDER PAUL ADVOCATE DISTT. FARIDABAD HARYANA (INDIA) REGD. NO. 2012 APPOINTED BY GOVT OF INDIA

IDENTIFIED THE DEPONENT
Executors His / Her Their
Signature / Thumbs / Impresion

ATTESTED AS IDENTIFIED

Notary Faridabad (Haryana)

23 OCT 2019

एनएचपीसी लिमिटेड
(भारत सरकार का उद्यम)
NHPC Limited
(A Government of India Enterprise)

संदर्भ सं./Ref. No. NH/Comml./Tariff/315/2018

फोन/Phone :
दिनांक/Date : 04.05.2018

Authority Letter

I, M.K. Mittal, S/o Sh. Tek Chand Mittal working as Director (Finance), NHPC Ltd., NHPC Office Complex, Sector-33, Faridabad, Haryana, 121003, hereby authorize following officials of Commercial Division:

1. Sh. Ashok Kumar Pandey, Chief Engineer (Comml.)
2. Sh. Milind Ganesh Gokhale, Chief Engineer (Comml.)

to do all or any of the acts or things hereinafter mentioned below:

1. To institute, defend, argue and conduct petitions, sign and verify petitions, written statements, written submissions and to file the same before the Central Electricity Regulatory Commission.
2. To appear, act and plead before the Central Electricity Regulatory Commission.
3. To compromise, compound or withdraw cases filed before the Central Electricity Regulatory Commission.
4. To file petitions or affidavits before the Central Electricity Regulatory Commission and to obtain the copies of documents, papers, records etc.
5. To apply for the inspection of the records of the proceedings of the Central Electricity Regulatory Commission.
6. To issue notices and accept service of any summons, notices or orders issued by the Central Electricity Regulatory Commission.

NHPC LIMITED FARIDABAD

Contd. 2/-

7. To sign the appeals, petition etc. arising out of any summons, notices or orders issued by the Central Electricity Regulatory Commission on behalf of the Company.
8. To take all such actions as may be necessary in the case.

(M.K. Mittal)
Director (Finance)
04/05/2018
एम. के. मित्तल / M. K. MITTAL
निदेशक (वित्त) / Director (Finance)
एन एच पी सी लिमिटेड / NHPC Limit
(भारत सरकार का उद्यम / A Govt. of India Enterpr
सैक्टर–33, फरीदाबाद / Sector - 33, Faridab

The Specimen signature of

Sh. Ashok Kumar Pandey

Sh. Milind Ganesh Gokhale

(M.K. Mittal)
Director (Finance)
04/05/2018
एम. के. मित्तल / M. K. MITTAL
निदेशक (वित्त) / Director (Finance)
एन एच पी सी लिमिटेड / NHPC Limited
(भारत सरकार का उद्यम / A Govt. of India Enterprise)
सैक्टर–33, फरीदाबाद / Sector - 33, Faridabad

NHPC LIMITED FARIDABAD

ANNEX-I

FORM- 1

Summary Sheet

Name of the Petitioner : NHPC LIMITED
Name of the Generating Station : Tanakpur Power Station
Place (Region / District / State) : Northern / Uttarakhand / Champawat

(Rs. Lakh)

Sl. No.	Particulars	Existing 2013-14	2014-15	2015-16	2016-17	2017-18	2018-19
1	2	3	4	5	6	7	8
1.1	Depreciation	962.93	977.65	986.93	1,027.63	1,078.77	1,089.04
1.2	Interest on Loan	0.00	0.00	0.00	0.00	0.00	0.00
1.3	Return on Equity[1]	1,991.99	2,023.85	2,034.94	2,048.81	2,091.77	2,105.48
1.4	Interest on Working Capital	350.99	461.40	487.94	516.99	548.80	580.97
1.5	O & M Expenses	5,785.51	7,101.62	7,573.45	8,076.63	8,613.24	9,185.51
	Total	**9,091.41**	**10,564.52**	**11,083.26**	**11,670.06**	**12,332.58**	**12,960.99**

Note
1: Details of calculations, considering equity as per regulation, to be furnished.

For D S P & Associates
Chartered Accountants
FR No:-006791N

(CA Atul Jain)
Partner
M.No 091431
UDIN:

D S P & ASSOCIATES * CHARTERED ACCOUNTANTS * FRN:006791N NEW DELHI

From statement to be read alongwith our Independent Auditor's Certificate dated 14th Oct, 19.

For NHPC LTD.

(M G Gokhale)
GM (Comml.)
Commercial Division

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Name of the Petitioner : NHPC LIMITED
Name of the Generating Station : Tanakpur Power Station
Place (Region / District / State) : Northern / Uttarakhand / Champawat

FORM-1(I)

Statement showing claimed capital cost

(₹ Lakh)

Sl. No.	Particulars	2014-15	2015-16	2016-17	2017-18	2018-19
1	2	3	4	5	6	7
1	Opening Capital Cost	40,764.41	40,838.95	40,972.26	41,852.74	41,954.67
2	Add : Addition during the year / period	100.36	186.12	1,074.59	133.32	77.49
3	Less : De-capitalisation during the year / period	46.02	52.81	194.11	31.38	6.058
4	Less : Reversal during the year / period	0.00	0.00	0.00	0.00	0.00
5	Add : Discharges during the year / period	20.20	0.00	0.00	0.00	10.15
6	**Closing Capital Cost**	40,838.95	40,972.26	41,852.74	41,954.67	42,036.26
7	**Average Capital Cost**	40,801.68	40,905.61	41,412.50	41,903.71	41,995.46

FORM-1(II)

Statement showing Return on Equity

(₹ in Lakh)

Sl. No.	Particulars	2014-15	2015-16	2016-17	2017-18	2018-19
1	2	3	4	5	6	7
1	Opening Equity	10,204.59	10,226.95	10,266.95	10,531.09	10,561.67
2	Add : Increase due to addition during the year / period	30.11	55.84	322.38	39.99	23.25
3	Less : Decrease due to de-capitalisation during the year / period	13.81	15.84	58.23	9.42	1.82
4	Less : Decrease due to reversal during the year / period	0.00	0.00	0.00	0.00	0.00
5	Add : Increase due to discharges during the year / period	6.06	0.00	0.00	0.00	3.05
6	**Closing Equity**	10,226.95	10,266.95	10,531.09	10,561.67	10,586.14
7	**Average Equity**	10,215.77	10,246.95	10,399.02	10,546.38	10,573.91
8	Rate of ROE	19.811%	19.859%	19.702%	19.834%	19.912%
9	**Return on Equity**	**2,023.85**	**2,034.94**	**2,048.81**	**2,091.77**	**2,105.48**

For D S P & Associates
Chartered Accountants

Partner

FRN.006791N NEW DELHI

For NHPC LTD.

(M G Gokhale)
GM (Comml.)
Commercial Division

FORM-2

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

Name of the Petitioner : NHPC LIMITED
Name of the Generating Station : Tanakpur Power Station

	Particulars	Unit	Existing 2013-14	2014-15	2015-16	2016-17	2017-18	2018-19
	1	2	3	4	5	6	7	8
1	Installed Capacity	MW	94.2	94.2				
2	Free power to home state	%	12	12				
3	Date of commercial operation (actual / anticipated)							
	Unit-1		01.04.1993	01.04.1993				
	Unit-2		-do-	-do-				
	Unit-3		-do-	-do-				
	Unit-4		-do-	-do-				
4	Type of Station							
	a) Surface / underground		Surface	Surface				
	b) Purely ROR / Pondage / Storage		Purely ROR	Purely ROR				
	c) Peaking / non-peaking		Non-Peaking	Non-Peaking				
	d) No. of hours of peaking		-	-				
	e) Overload capacity (MW) & period		NIL	NIL				
5	Type of excitation							
	a) Rotating exciters on generator							
	b) Static excitation		Static	Static				
6	Design Energy (Annual)[1]	GWh	452.19	452.19				
7	Auxiliary Consumption including Transformation losses	%	1	1				
8	Normative Plant Availability Factor (NAPAF)		55	55				
9.1	Maintenance Spares for WC	% of O&M	15	15				
9.2	Receivables for WC	in Months	2	2				
9.3	Base Rate of Return on Equity	%	15.5	15.50%	15.50%	15.50%	15.50%	15.50%
9.4	Tax Rate[2]	%	20.9605	20.961%	21.342%	21.342%	21.342%	21.549%
9.5	Effective Tax Rate[4]		20.9605	21.760%	21.948%	21.328%	21.851%	22.157%
9.6	SBI Base Rate + 350 basis points as on 01.04.2014[3]	%	12.25%	13.500%	13.500%	13.500%	13.500%	13.500%

1. Month wise 10-day Design energy figures to be given separately with the petition.
2. Tax rate applicable to the company for the year FY 2013-14 should also be furnished.
3. Mention relevant date
4. Effective tax rate is to be computed in accordance with Regulation 25 i.e. actual tax (or advance tax) / gross income, where gross income refers the profit before tax.

For D S P & Associates
Chartered Accountants

D S P & ASSOCIATES * CHARTERED ACCOUNTANTS * FRN:006791N NEW DELHI

For NHPC LTD.

(M G Gokhale)
GM (Comml.)

FORM-3

SALIENT FEATURES OF HYDROELECTRIC PROJECT

Name of the Petitioner : **NHPC LIMITED**

Name of the Generating Station : **Tanakpur Power Station**

1. Location	
State / Distt.	Uttarakhand / Champawat Distt.
River	Sarda
2. Diversion Tunnel	NA
Size, shape	
Length (M)	
3. Dam	
Type	Barrage
Maximum dam height (M)	26.3 from deepest foundation
4. Spillway	
Type	-
Crest level of spillway (M)	Weir El 238.10, Undersluice El 237.50
5. Reservoir	
Full Reservior Level (FRL) (M)	246.7m
Minimum Draw Down Level (MDDL)(M)	Not applicable being ROR
Live storage (MCM)	ROR Scheme
6. Desilting Arrangement	
Type	Hoppers Type
Number and Size	48 Nos. 90mx120m
Particle size to be removed(mm)	0.5 mm and above.
7. Head Race Tunnel	
Size and type	Power Channel, Trapezoidal Type
Length (M)	6387m
Design discharge (Cumecs)	566
8. Surge Shaft	NA
Type	
Diameter (M)	
Height (M)	
9. Penstock/Pressure shafts	
Type	Steel Penstock
Diameter & Length (M)	6.5 m dia, 68 m length
10. Power House	
Installed capacity (No of units x MW)	3 X 31.4 MW
Type of turbine	Vertical Shaft Kaplan
Rated Head (M)	24.25 m Gross Head (meters) =22.0
Rated Discharge (Cumecs)	188.67 cumecs per unit
Head at Full Reservoir Level (M)	23.7
Head at Minimum Draw down Level (M)	---
MW Capability at FRL	94.2
MW Capability at MDDL	---
11. Tail Race Tunnel	
Diameter (M), shape	Open channel concrete lined and boulder pitched
Length (M)	1150 m
Minimum tail water level	222.02 m
12. Switchyard	
Type of Switch gear	Outdoor, Air installed switchgear with SF_6 CB
No. of generator bays	3
No. of Bus coupler bays	1
No. of line bays	3

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

For D S P & Associates
Chartered Accountants

D S P & ASSOCIATES * CHARTERED ACCOUNTANTS * FRN 006791N NEW DELHI

For NHPC LTD.

(M G Gokhale)
GM (Comml.)

FORM- 4

Details of Foreign loans

(Details only in respect of loans applicable to the project under petition)

Name of the Petitioner **NHPC Limited**
Name of the Generating Station **Tanakpur Power Station**
Exchange Rate at COD
Exchange Rate as on 31.3.2014

Sl.	Financial Year (Starting from COD)	Year 1				Year 2				Year 3 and so on			
	1	2	3	4	5	6	7	8	9	10	11	12	13
		Date	Amount (Foregin Currency)	Relevant Exchange Rate	Amount (Rs. Lakh)	Date	Amount (Foregin Currency)	Relevant Exchange Rate	Amount (Rs. Lakh)	Date	Amount (Foregin Currency)	Relevant Exchange Rate	Amount (Rs. Lakh)
	Currency1 [1]												
A 1	At the date of Drawl [2]												
2	Scheduled repayment date of principal												
3	Scheduled payment date of interest												
4	At the end of Financial year												
B	In case of Hedging [3]												
1	At the date of hedging												
2	Period of hedging												
3	Cost of hedging												
	Currency2 [1]												
A 1	At the date of Drawl [2]												
2	Scheduled repayment date of principal												
3	Scheduled payment date of interest												
4	At the end of Financial year												
B	In case of Hedging [3]												
1	At the date of hedging												
2	Period of hedging												
3	Cost of hedging												
	Currency3 [1] **& so on**												
A 1	At the date of Drawl [2]												
2	Scheduled repayment date of principal												
3	Scheduled payment date of interest												
4	At the end of Financial year												
B	In case of Hedging [3]												
1	At the date of hedging												
2	Period of hedging												
3	Cost of hedging												

NOT APPLICABLE

1. Name of the currency to be mentioned e.g. US$, DM, etc.
2. In case of more than one drawl during the year, Exchange rate at the date of each drawl to be given
3. Furnish details of hedging, in case of more than one hedging during the year or part hedging, details of each hedging are to be given
4. Tax (such as withholding tax) details as applicable including change in rates, date from which change effective etc. must be clearly indicated.

For D S P & Associates
Chartered Accountants

D S P & ASSOCIATES * CHARTERED ACCOUNTANTS * FRN 006791N NEW DELHI

For NHPC LTD.

(M G Sokhale)
GM (Comml.)

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FORM- 4A

Details of Foreign Equity

(Details only in respect of Equity infusion if any applicable to the prcject under petition)

Name of the Petitioner : **NHPC Limited**
Name of the Generating Station : **Tanakpur Power Station**
Exchange Rate on date/s of infusion :

Sl.	Financial Year	Year 1				Year 2				Year 3 and so on			
	1	2	3	4	5	6	7	8	9	10	11	12	13
		Date	Amount (Foregin Currency)	Exchange Rate	Amount (Rs. Lakh)	Date	Amount (Foregin Currency)	Exchange Rate	Amount (Rs. Lakh)	Date	Amount (Foregin Currency)	Exchange Rate	Amount (Rs. Lakh)
	Currency1 [1]												
A 1	At the date of infusion [2]												
2													
3													
	Currency2 [1]												
A 1	At the date of infusion [2]												
2													
3													
	Currency3 [1]												
A 1	At the date of infusion [2]												
2													
3													
	Currency4 [1] & so on												
A 1	At the date of infusion [2]												
2													
3													

NOT APPLICABLE

1. Name of the currency to be mentioned e.g. US$, DM, etc.
2. In case of equity infusion more than once during the year, Exchange rate at the date of each infusion to be given.

For D S P & Associates
Chartered Accountants

DSP & ASSOCIATES * CHARTERED ACCOUNTANTS * FRN 006791N NEW DELHI

For NHPC LTD.

(M G Gokhale)
GM (Comml.)

FORM- 5

Abstract of Admitted Capital Cost for the existing Projects

Name of the Petitioner : **NHPC Limited**

Name of the Generating Station : **Tanakpur Power Station**

	Capital Cost as admitted by CERC	
a)	**Capital cost admitted as on 31.03.2014**	Rs.39301.26 Lakh
	(Give reference of the relevant CERC Order with Petition No. & Date)	CERC Tariff Order dtd.19.02.2016 in Petition No.226/GT/2014
b)	Foreign Component, if any (In Million US $ or the relevant Currency)	
c)	Foreign Exchange rate considered for the admitted Capital cost (Rs Lakh)	
d)	Total Foreign Component (Rs. Lakh)	
e)	Domestic Component (Rs. Lakh.)	
f)	Hedging cost, if any, considered for the admitted Capital cost (Rs Lakh)	
	Total Capital cost admitted (Rs. Lakh) (d+e+f)	Rs.39301.26 Lakh

For D S P & Associates
Chartered Accountants

DSP & ASSOCIATES * CHARTERED ACCOUNTANTS * FRN 006791N NEW DELHI

For NHPC LTD.

(M G Gokhale)
GM (Comml.)

FORM- 5A

Abstract of Capital Cost Estimates and Schedule of Commissioning for the New Projects

Name of the Petitioner : **NHPC Limited**
Name of the Generating Station : **Tanakpur Power Station**

New Projects

Capital Cost Estimates

Board of Director/ Agency approving the Capital cost estimates:		
Date of approval of the Capital cost estimates:		
	Present Day Cost	**Completed Cost**
Price level of approved estimates	As on end of _____ qtr. of the year	As on scheduled COD of the Station
Foreign Exchange rate considered for the Capital cost estimates		
Capital Cost excluding IDC, IEDC & FC		
Foreign Component, if any (In Million US $ or the relevant currency)	**NOT APPLICABLE**	
Domestic Component (Rs. Lakh)		
Capital cost excluding IDC, IEDC, FC, FERV & Hedging Cost (Rs. Lakh)		
IDC, IEDC, FC, FERV & Hedging Cost		
Foreign Component, if any (In Million US $ or the relevant currency)	**NOT APPLICABLE**	
Domestic Component (Rs. Lakh)		
Total IDC, IEDC, FC, FERV & Hedging Cost (Rs. Lakh)		
Rate of taxes & duties considered		
Capital cost including IDC, IEDC, FC, FERV & Hedging Cost		
Foreign Component, if any (In Million US $ or the relevant currency)	**NOT APPLICABLE**	
Domestic Component (Rs. Lakh)		
Capital cost including IDC, IEDC & FC (Rs. Lakh)		
Schedule of Commissioning as per investment approval		
Scheduled COD of Unit-I		
Scheduled COD of Unit-II		
.....		
.....		
Scheduled COD of last Unit/Station		

Note:
1. Copy of approval letter should be enclosed
2. Details of Capital Cost are to be furnished as per FORM-5B or 5C as applicable.
3. Details of IDC & Financing Charges are to be furnished as per FORM-14.

For D S P & Associates
Chartered Accountants

DSP & ASSOCIATES * CHARTERED ACCOUNTANTS * FRN 006791N NEW DELHI

For NHPC LTD.

(M G Gokhale)
GM (Comml.)

FORM- 5B

Break-up of Capital Cost for New Hydro Power Generating Station

Name of the Petitioner : **NHPC Limited**
Name of the Generating Station : **Tanakpur Power Station**

(Amount in Lakh)

Sl. No.	Break Down	Original cost as approved by Authority / Investment Approval	Actual Capital Expenditure as on actual / anticipated COD	Liabilities / Provisions	Variation	Reason for Variation
1	2	3	4	5	6 = 3-4-5	7
1.0	**Infrastructure Works**					
1.1	Preliminary including Development					
1.2	Land *					
1.3	R&R Expenditure					
1.4	Buildings					
1.5	Township					
1.6	Maintenance					
1.7	Tools & Plants					
1.8	Communication					
1.9	Environment & Ecology					
1.10	Losses on stock					
1.11	Receipt & Recoveries					
1.12	**Total (Infrastructure works)**					
2.0	**Major Civil Works**					
2.1	Dam, Intake & Desilting Chambers					
2.2	HRT, TRT, Surge Shaft & Pressure shafts					
2.3	Power Plant civil works					
2.4	Other civil works (to be specified)					
2.5	**Total (Major Civil Works)**					
3.0	**Hydro Mechanical equipments**					
4.0	**Plant & Equipment**					
4.1	Initial spares of Plant & Equipment					
4.2	**Total (Plant & Equipment)**					
5.0	**Taxes and Duties**					
5.1	Custom Duty					
5.2	Other taxes & Duties					
5.3	**Total Taxes & Duties**					
6.0	**Construction & Pre-commissioning expenses**					
6.1	Erection, testing & commissioning					
6.2	Construction Insurance					
6.3	Site supervision					
6.4	**Total (Const. & Pre-commissioning)**					
7.0	**Overheads**					
7.1	Establishment					
7.2	Design & Engineering					
7.3	Audit & Accounts					
7.4	Contingency					
7.5	Rehabilitation & Resettlement					
7.6	**Total (Overheads)**					
8.0	**Capital Cost without IDC, FC, FERV & Hedging Cost**					
9.0	**IDC, FC, FERV & Hedging Cost**					
9.1	Interest During Construction (IDC)					
9.2	Financing Charges (FC)					
9.3	Foreign Exchange Rate Variation (FERV)					
9.4	Hedging Cost					
9.5	**Total of IDC, FC, FERV & Hedging Cost**					
10.0	**Capital cost including IDC, FC, FERV & Hedging Cost**					

NOT APPLICABLE

* Provide details of Freehold Land, Leasehold Land and Land under reservoir separately

Note:

1. In case of cost variation, a detailed note giving reasons of such variation should be submitted clearly indicating whether such cost over-run was beyond the control of the generating company.
2. In case of both time & cost overrun, a detailed note giving reasons of such time and cost over-run should be submitted clearly bringing out the agency responsible and whether such time and cost overrun was beyond the control of the generating company.
3. The implication on cost due to time over run, if any shall be submitted separately giving details of increase in prices in different packages from scheduled COD to Actual COD / anticipated COD, increase in IEDC from scheduled COD to actual COD / anticipated COD and increase of IDC from scheduled COD to actual anticipated COD.
4. Impact on account of each reason for Time over run on Cost of project should be quantified and substantiated with necessary documents and supporting workings.
5. A list of balance work assets / work wise including initial spare on original scope of works along with estimate shall be furnished positively.

For D S P & Associates
Chartered Accountants

DSP & ASSOCIATES * CHARTERED ACCOUNTANTS * FRN 006791N NEW DELHI

For NHPC LTD.

(M G Gokhale)
GM (Comml.)

FORM- 5C

Break-up of Capital Cost for Plant & Equipment (New Projects)

Name of the Petitioner : **NHPC Limited**
Name of the Generating Station : **Tanakpur Power Station**

(Amount in Lakh)

Sl. No.	Break Down	Original cost as approved by Authority / Investment Approval [1]	Cost on Actual / anticipated COD [1]	Variation	Reason for Variation *
1	2	Total Cost	Total Cost	3	4
1.0	**Generator,turbine & Accessories**				
1.1	Generator package				
1.2	Turbine package				
1.3	Unit control Board				
1.4	C&I package				
1.5	Bus Duct of GT connection				
1.6	**Total (Generator, turbine & Accessories)**				
2.0	**Auxiliary Electrical Equipment**				
2.1	Step up transformer				
2.2	Unit Auxiliary Transformer				
2.3	Local supply transformer				
2.4	Station transformer				
2.5	SCADA				
2.6	Switchgear, Batteries, DC dist. Board				
2.7	Telecommunication equipment				
2.8	Illumination of Dam, PH and Switchyard				
2.9	Cables & cable facilities, grounding				
2.10	Diesel generating sets				
2.11	**Total (Auxiliary Elect. Equipment)**				
3.0	**Auxiliary equipment & services for power station**				
3.1	EOT crane				
3.2	Other cranes				
3.3	Electric lifts & elevators				
3.4	Cooling water system				
3.5	Drainage & dewatering system				
3.6	Fire fighting equipment				
3.7	Air conditioning, ventilation and heating				
3.8	Water supply system				
3.9	Oil handling equipment				
3.10	Workshop machines & equipment				
3.11	**Total (Auxiliary equipt. & services for PS)**				
4.0	**Switchyard package**				
5.0	**Initial spares for all above equipments**				
6.0	**Total Cost (Plant & Equipment) excluding IDC, FC, FERV & Hedging Cost**				
7.0	**IDC, FC, FERV & Hedging Cost**				
7.1	Interest During Construction (IDC)				
7.2	Financing Charges (FC)				
7.3	Foreign Exchange Rate Variation (FERV)				
7.4	Hedging Cost				
7.5	**Total of IDC, FC, FERV & Hedging Cost**				
8.0	**Total Cost (Plant & Equipment) including IDC, FC, FERV & Hedging cost)**				

NOT APPLICABLE

Note:

1. In case of cost variation, a detailed note giving reasons of such variation should be submitted clearly indicating whether such cost overrun was beyond the control of the generating company.

For D S P & Associates
Chartered Accountants

D S P & ASSOCIATES * CHARTERED ACCOUNTANTS * FRN 006791N NEW DELHI

For NHPC LTD.

(M G Gokhale)
GM (Comml.)

FORM- 5D

Break-up of Construction/Supply/Service packages

Name of the Petitioner : **NHPC Limited**
Name of the Generating Station : **Tanakpur Power Station**

1	Name/No. of Construction / Supply / Service Package	Package A	Package B	Package C	.....	Total Cost of all packages
2	Scope of works[1] (in line with head of cost break-ups as applicable)	NOT APPLICABLE				
3	Whether awarded through ICB / DCB / Departmentally / Deposit Work					
4	No. of bids received					
5	Date of Award					
6	Date of Start of work					
7	Date of Completion of Work / Expected date of completion of work					
8	Value of Award [2] in (Rs. Lakh)					
9	Firm or With Escalation in prices					
10	Actual capital expenditure till the completion or up to COD whichever is earlier (Rs.Lakh)					
11	Taxes & Duties and IEDC (Rs. Lakh)					
12	IDC, FC, FERV & Hedging cost (Rs. Lakh)					
13	Sub-total (10+11+12) (Rs. Lakh)					

Note:

1. If there is any package, which need to be shown in Indian Rupee and foreign currency (ies), the same should be shown separately along with the currency, the exchange rate and the date.

For D S P & Associates
Chartered Accountants

DSP & ASSOCIATES * CHARTERED ACCOUNTANTS * FRN 006791N NEW DELHI

For NHPC LTD.

(M G Gokhale)
GM (Comml.)

FORM- 5E (I)

In case there is cost over run

Name of the Petitioner : NHPC Limited
Name of the Generating Station : Tanakpur Power Station

Sl. No.	Break Down	Original cost as approved by Board Members (₹ Lakh)	Actual / Estimated Cost as incurred / to be incurred (₹ Lakh)	Difference	Reason for Variation (Please submit supporting computations and documents wherever applicable)	Increase in soft cost due to increase in hard cost
		Total Cost	Total Cost	Total Cost		
1.0	**Cost of Land & Site Development**					
1.1	Land*					
1.2	Rehabilitation & Resettlement (R&R)					
1.3	Preliminary Investigation & Site Development					
2.0	**Plant & Equipment**					
2.1	Steam Generator Island					
2.2	Turbine Generator Island					
2.3	BOP Mechanical					
2.3.1	Fuel Handling & Storage system					
2.3.2	External water supply system					
2.3.3	DM water Plant		NOT APPICABLE			
2.3.4	Clarification plant					
2.3.5	Chlorination Plant					
2.3.6	Fuel Handling & Storage system					
2.3.7	Ash Handling System					
2.3.8	Coal Handling Plant					
2.3.9	Rolling Stock and Locomotives					
2.3.10	MGR					
2.3.11	Air Compressor System					
2.3.12	Air Condition & Ventilation System					
2.3.13	Fire fighting System					
2.3.14	HP/LP Piping					
	Total BOP Mechanical					
2.4	**BOP Electrical**					
2.4.1	Switch Yard Package					
2.4.2	Transformers Package					
2.4.3	Switch gear Package					
2.4.4	Cables, Cable facilities & grounding					
2.4.5	Lighting					
2.4.6	Emergency D.G. set					
	Total BOP Electrical					
2.5	**Control & Instrumentation (C & I) Package**					
	Total Plant & Equipment excluding taxes & Duties					
3	**Initial Spares**					
4	**Civil Works**					
4.1	Main plant/Adm. Building					
4.2	CW system					
4.3	Cooling Towers					
4.4	DM water Plant					
4.5	Clarification plant					
4.6	Chlorination plant					
4.7	Fuel handling & Storage system					
4.8	Coal Handling Plant					
4.9	MGR &Marshalling Yard					
4.10	Ash Handling System					
4.11	Ash disposal area development					
4.12	Fire fighting System					
4.13	Township & Colony					
4.14	Temp. construction & enabling works					
4.15	Road & Drainage					
	Total Civil works					
5	Construction & Pre- Commissioning Expenses					
5.1	Erection Testing and commissioning					
5.2	Site supervision					
5.3	Operator's Training					
5.4	Construction Insurance					
5.5	Tools & Plant					
5.6	Start up fuel					
	Total Construction & Pre- Commissioning Expenses					
6.0	**Overheads**					
6.1	Establishment					
6.2	Design & Engineering					
6.3	Audit & Accounts					
6.4	Contingency					
	Total Overheads					
7.0	**Capital cost excluding IDC & FC**					
8.0	**IDC, FC, FERV &Hedging Cost**					
8.1	Interest During Construction (IDC)					
8.2	Financing Charges (FC)					
8.3	Foreign Exchange Rate Variation (FERV)					
8.4	Hedging Cost					
	Total of IDC, FC, FERV & Hedging Cost					
9.0	**Capital cost including IDC, FC, FERV & Hedging Cost**					

***Submit details of Freehold and Lease hold land**

Note : Impact on account of each reason for Cost overrun should be quantified and substantiated with necessary documents and supporting workings.

For D S P & Associates
Chartered Accountants

For NHPC LTD.

(M G Gokhale)
GM (Comml.)

D S P & ASSOCIATES * CHARTERED ACCOUNTANTS * FRN 006791N NEW DELHI

FORM- 5E (ii)

In case there is time over run

Name of the Petitioner : **NHPC Limited**
Name of the Generating Station : **Tanakpur Power Station**

S. No.	Description of Activity / Works / Service	Original Schedule (As per Planning)		Actual Schedule (As per Actual)		Time Over-Run	Reasons for delay	Other Activity effected (Mention Sr No of activity affected)
		Start Date	Completion Date	Actual Start Date	Actual Completion Date	Days		
1								
2		NOT APPLICABLE						
3								
4								
5								
6								
7								
8								
9								
10								

1. Delay on account of each reason in case of time overrun should be quantified and substantiated with necessary documents and supporting workings.
2. Indicates the activities on critical path.

For D S P & Associates
Chartered Accountants

D S P & ASSOCIATES * CHARTERED ACCOUNTANTS * FRN 006791N NEW DELHI

For NHPC LTD.

(M G Gokhale)
GM (Comml.)

FORM- 5F

In case there is claim of additional RoE

Name of the Petitioner : **NHPC Limited**
Name of the Generating Station : **Tanakpur Power Station**

S. No.	Completion Time as per Investment approval (Months)				Actual Completion time				Qualifying time schedule (as per regulation)
	Start Date	Scheduled COD (Date)	Months	Installed Capacity	Start Date	Actual COD (Date)	Actual Completion time in Months	Tested Capacity	Months
Unit 1									
Unit 2									
Unit 3									
Unit 4									
....									
.....									

Note : Necessary documentary evidence in support of actual completion time to be submitted in accordance with Regulation 5(1).

For D S P & Associates
Chartered Accountants

DSP & ASSOCIATES * CHARTERED ACCOUNTANTS * FRN:006791N NEW DELHI

For NHPC LTD.

(M G Gokhale)
GM (Comml.)

FORM- 6

Financial Package upto COD

Name of the Company NHPC LTD.
Name of the Power Station TANAKPUR POWER STATION
Project Cost as on COD[1] Rs 35768 * Lacs
Date of Commercial Operation of the Station[2] 01-04-93

(Amount in lacs)

	Financial Package as Approved		Financial Package as on COD *		As Admitted on COD **	
	Currency and Amount3		Currency and Amount3		Currency and Amount3	
1	2	3	4	5	6	7
TERM LOANS						
GOI LOAN			INR	2683		
UTI LOAN			INR	3347		
BONDS						
A SERIES			INR	3158		
B SERIES			INR	3196		
C SERIES			INR	3483		
D & E SERIES			INR	4027		
F SERIES			INR	5135		
G SERIES			INR	2686		
I SERIES			INR	226		
Total Loans			INR	**27941**	INR	**29535.62**
Equity-						
Foreign						
Domestic			INR	8938	INR	9765.64
Total Equity			INR	**8938**	INR	**9765.64**
Debt : Equity Ratio			3.13 : 1		75.15 : 24.85	

[1] Say US $ 200m + Rs.400 Cr or Rs.1200 Cr including US $200m at an exchange rate of 1US $=Rs.40/-

[2] Date of Commercial Operation means Commercial Operation of the last unit

[3] For example : US $, 200M etc.etc

* Figures are taken for the year 1993-94 as disclosed in last tariff petition No. 30/2005.

** As on 31/03/2009 as approved by CERC in the order dated 23/12/2009 in petition No. 187/2009.The equity and loan figures are normative.

For D S P & Associates
Chartered Accountants

DSP & ASSOCIATES * CHARTERED ACCOUNTANTS * FRN 006791N NEW DELHI

For NHPC LTD.

(M G Gokhale)
GM (Comml.)

FORM-7

Details of Project Specific Loans

Name of the Petitioner — **NHPC Limited**
Name of the Generating Station — **Tanakpur Power Station**

(Amount in lacs)

Particulars	Package1	Package2	Package3	Package4	Package5	Package6
1	2	3	4	5	6	7
Source of Loan[1]						
Currency[2]						
Amount of Loan sanctioned						
Amount of Gross Loan drawn upto 31.03.2014 / COD [3,4,5,13,15]		All actual loans have been repaid.				
Interest Type[6]						
Fixed Interest Rate, if applicable						
Base Rate, if Floating Interest[7]						
Margin, if Floating Interest[8]						
Are there any Caps/Floor[9]	Yes/No					Yes/No
If above is yes,specify caps/floor						
Moratorium Period[10]						
Moratorium effective from						
Repayment Period[11]						
Repayment effective from						
Repayment Frequency[12]						
Repayment Instalment[13,14]						
Base Exchange Rate[16]						
Are Foreign currency hedged?						
If above is yes,specify details[17]						

[1] Source of loan means the agency from whom the loan has been taken such as WB, ADB, WMB, PNB, SBI, ICICI, IFC, PFC etc.

[2] Currency refers to currency of loan such as US$, DM, Yen,Indian Rupee etc.

[3] Details are to be submitted as on 31.03.2014 for existing assets and as on COD for the remaining assets.

[4] Where the loan has been refinanced, details in the Form is to be given for the loan refinaced. However, the details of the original loan is to be given seperately in the same form.

[5] If the Tariff in the petition is claimed seperately for various units, details in the Form is to be given seperately for all the units in the same form.

[6] Interest type means whether the interest is fixed or floating.

[7] Base rate means the base as PLR, LIBOR etc. over which the margin is to be added. Documentary evidence for applicable base rate on different dates from the date of drawl may also be enclosed.

[8] Margin means the points over and above the floating rate.

[9] At times caps/floor are put at which the floating rates are frozen. If such a condition exists, specify the limits.

[10] Moratorium period refers to the period during which loan servicing liability is not required.

[11] Repayment period means the repayment of loan such as 7 years, 10 years, 25 years etc.

[12] Repayment frequency means the interval at which the debt servicing is to be done such as monthly, quarterly, half yearly, annual, etc.

[13] Where there is more than one drawal/repayment for a loan, the date & amount of each drawal/repayement may also be given seperately.

[14] If the repayment instalment amount and repayment date can not be worked out from the data furnished above, the repayment schedule to be furnished seperately.

[15] In case of Foreign loan,date of each drawal & repayment alongwith exchange rate at that date may be given with documentary evidence.

[16] Base exchange rate means the exchange rate prevailing as on 31.03.2014 for existing assets and as on COD for the remaining assets.

[17] In case of hedging specify the details like type of hedging, period of hedging, cost of hedging etc.

[18] In case of foreign loans, provide details of exchange rate considered on date of each repayment of principal and date of interest payment.

[19] At the time of truing up rate of interest with relevant reset date (if any) to be furnished separately

[20] At the time of truing up provide details of refinancing of loans considered earlier. Details such as date on which refinancing done, amount of refinanced loan, terms and conditions of refinanced loan, financing and other charges incurred for refinancing etc.

[21] Call or put option, if any exercised by the generating company for refinancing of loan

[22] Copy of loan agreement

For D S P & Associates
Chartered Accountants

D S P & ASSOCIATES CHARTERED ACCOUNTANTS FRN 091791N NEW DELHI

For NHPC LTD.

(M G Gokhale)
GM (Comml.)

FORM-8

Details of allocation of corporate loans to various projects

Name of the Petitioner : **NHPC Limited**
Name of the Generating Station : **Tanakpur Power Station**

(Amount in lacs)

Particulars	Package1	Package2	Package3	Package4	Package5	Remarks
1	2	3	4	5	6	7
Source of Loan[1]						
Currency[2]						
Amount of Loan sanctioned						
Amount of Gross Loan drawn upto 31.03.2014 / COD [3,4,5,13,15]						
Interest Type[6]		All actual loans have been repaid.				
Fixed Interest Rate, if applicable						
Base Rate, if Floating Interest[7]						
Margin, if Floating Interest[8]						
Are there any Caps/Floor[9]	Yes/No					Yes/No
If above is yes,specify caps/floor						
Moratorium Period[10]						
Moratorium effective from						
Repayment Period[11]						
Repayment effective from						
Repayment Frequency[12]						
Repayment Instalment[13,14]						
Base Exchange Rate[16]						
Are Foreign currency hedged?						
If above is yes,specify details[17]						
	Distribution of loan packages to various projects					
Name of the Projects						Total
Project 1						
Project 2						
Project 3 and so on						

[1] Source of loan means the agency from whom the loan has been taken such as WB, ADB, WMB, PNB, SBI, ICICI, IFC, PFC etc.
[2] Currency refers to currency of loan such as US$, DM, Yen,Indian Rupee etc.
[3] Details are to be submitted as on 31.03.2014 for existing assets and as on COD for the remaining assets.
[4] Where the loan has been refinanced, details in the Form is to be given for the loan refinaced. However, the details of the original loan is to be given seperately in the same form.
[5] If the Tariff in the petition is claimed seperately for various units, details in the Form is to be given seperately for all the units in the same form.
[6] Interest type means whether the interest is fixed or floating.
[7] Base rate means the base as PLR, LIBOR etc. over which the margin is to be added. Documentary evidence for applicable base rate on different dates from the date of drawl may also be enclosed.
[8] Margin means the points over and above the floating rate.
[9] At times caps/floor are put at which the floating rates are frozen. If such a condition exists, specify the limits.
[10] Moratorium period refers to the period during which loan servicing liability is not required.
[11] Repayment period means the repayment of loan such as 7 years, 10 years, 25 years etc.
[12] Repayment frequency means the interval at which the debt servicing is to be done such as monthly, quarterly, half yearly, annual, etc.
[13] Where there is more than one drawal/repayment for a loan, the date & amount of each drawal/repayement may also be given seperately.
[14] If the repayment instalment amount and repayment date can not be worked out from the data furnished above, the repayment schedule to be furnished seperately.
[15] In case of Foreign loan,date of each drawal & repayment alongwith exchange rate at that date may be given with documentary evidence.
[16] Base exchange rate means the exchange rate prevailing as on 31.03.2014 for existing assets and as on COD for the remaining assets.
[17] In case of hedging specify the details like type of hedging, period of hedging, cost of hedging etc.
[18] In case of foreign loans, provide details of exchange rate considered on date of each repayment of principal and date of interest payment.
[19] At the time of truing up rate of interest with relevant reset date (if any) to be furnished separately
[20] At the time of truing up provide details of refinancing of loans considered earlier. Details such as date on which refinancing done, amount of refinanced loan, terms and conditions of refinanced loan, financing and other charges incurred for refinancing etc.
[21] Call or put option, if any exercised by the generating company for refinancing of loan
[22] Copy of loan agreement

For D S P & Associates
Chartered Accountants

For NHPC LTD.

(M G Gokhale)
GM (Comml.)

FORM -9A

Year wise Statement of Additional Capitalisation after COD

Name of the Petitioner : NHPC Ltd.
Name of the Generating Station : Tanakpur Power station
COD : 01.04.1993
Financial Year : 2014-15

(AMOUNT IN RS.)

S. No.	Head of Work / Equipment	Head of account	ACE Claimed (Actual / Projected)				Regulation under which claimed	Justification
			Accural basis	Un-discharged Liability included in col.3	Cash basis	IDC included in col.3		
1	2	3	4	5	6=4-5	7	8	10
A	APPROVED PROPOSAL							
1	Purchase of 1 no. Unit Auxiliary Transformers (UATs).	410713	0	0	0		14(3)(viii)	CERC has allowed Rs. 12.16 (15-2.84) Lacs for UAT against replacement . Tender for purchase of 1 no. Unit Auxiliary Transformers (UATs) was processed but it could not be materialised. Accordingly, it was decided by the management that all types of transformer should be procured in one package. As a result it has been kept in 2017-18 CERC has allowed an amount of Rs. 15 Lacs for UAT IN 2014-15 against replacement of OLD UAT (Rs. 2.84 Lacs).
	Sub total		0	0	0			
B	ACTUAL EXPENDITURE (AS PER BOOKS OF ACCOUNTS) AS PROPOSED EARLIER							
1	625 KVA, 415 VOLT SILENT DG SET WITH AMF PANEL AND ACCES. CONF.TO CPCB NORMS, KVS 630 KOHLER MAKE	411002	5761660	-	5761660		14 (3)(viii)	**Existing System** 500KVA DG sets were being used **Necessity of Incurring expenditure:** DG sets has been installed to use as Back up power to power house auxiliaries. Old 500 KVA DG sets has been replaced by 625 KVA Silent type DG sets as per CPCB norms.Survey off case under Process. In the tariff petetion 2009-14, 3 numbers DG set were approved for Rs. 100 Lacs as under: 2010-11 for Rs.40 lacs;2011-12 Rs.20 lacs and 2012-13 Rs.40 lakhs Out of which 02 nos. 625 KVA, DG sets were purchased in FY 2012-13 amounting to Rs. 99.47 Lacs and third DG set purchased in FY 2014-15 amounting to Rs. 57.61 Lacs. Hence the same is being included in the tariff petetion 2014-19. The DG against which the above purchase has been effected is detailed below: Old DG set has actually been deleted during 2018-19 (refer item no.B(6)). However the same amount is indicated as assumed deletion during 2014-15 (refer tiem no. 1 of Form-9B(i).
		TOTAL	5761660	0	5761660			

DSP & ASSOCIATES * CHARTERED ACCOUNTANTS * FRN 015791N NEW DELHI

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S. No.	Head of Work / Equipment		ACE Claimed (Actual / Projected)				Regulation under which claimed	Justification
		Head of account	Accural basis	Un-discharged Liability included in col.3	Cash basis	IDC included in col.3		
1	2	3	4	5	6=4-5	7	8	10
C	ACTUAL EXPENDITURE (AS PER BOOKS OF ACCOUNTS) DUE TO SITE REQUIREMENT WHICH WERE NOT PROPOSED EARLIER							
1	COOLING WATER PUMP, BEACON WEIR MAKE HORIZONTAL SPLIT CASING, MODEL SDC 150/200	411112	389474		389474		14 (3) (viii)	**Existing,** Cooling water pumps used for for ragular supply of cold water to generating unit, Beacon Weir make horizontal split casing, MODEL SDC 150/200 are very old and frequently breakdown due to wear/tear and ageing of their component. These cooling water pumps are in operation since commissioning of Power Station. Since existing cooling water pumps have completed their useful life i.e. 25 years, they require replacement . **Necessity of Incurring expenditure:** Old pumps completed their life and replaced with new one. **Impact on Efficiency/performance:** New pumps have better reliabilty & pumping capacity and required for continuous operation. Old DG set has actually been deleted during 2017-18 (refer item no. B(1) of Form-9B(i)). However the same amount is indicated as assumed deletion during 2014-15 (refer item no. A(1) of Form-9B(i)).
2	HIGH MAST LIGHTING, LENGTH 20 METER	410905	652800		652800		14 (3) (viii)	**Existing Arrangement:** The project was having halogen lights to illuminate the switch yard. **Necessity of Incurring expenditure:** Earlier the illumination in the switchyard area was done with halogen and HPSV lights installed at a certain height which was not sufficient to cover the equipments installed at height in switchyare area. To ensure a better visibility in the area and cover all the equipments at heights, high mast light was installed. The high mast lights not only covers the equipmet installed at height but also covers a wide area which is a necessity keeping in view the security aspect of the Power Station being close to Indo Nepal border. **Impact on Efficiency/performance:** For better monitoring keeping in view the criticallity of the High voltage system in switchyard and enhancement of security aspect of the Power Station being close to Indo Nepal border.
3	CO2 FLOODING SYSTEM	410712	2338770		2338770			Existing Arrangement: The existing CO2 system was installed since commissioning in the year and was in service for last 22 years. **Necessity for Incurring Expenditure:** The existing CO2 Flooding System is working on counter weight technology, which is obsolete technology. The existing system is vey old, un-reliable and it experiences frequent problems and hence, it needs replacement. Since existing CO2 Flooding System has become obsolete and it experiences frequent problems therefore it is necessary to replace with new technology CO2 flooding System. **Impact on Efficiency/Performance:** Since CO2 Flooding sysytem is a equipment of fire safety for the generator and needs to be in good working condition, hence the replacement of obsolete CO2 Flooding System with new technology (upgraded version) is necessary to enhance the reliabi ity of the system and prevent downtime of generating units. **Replacement Value:** Assumed deletion value of old item is indicated at item no. B(3) of Form-9B(i)

DSP & ASSOCIATES CHARTERED ACCOUNTANTS FRN.00[illegible]91N NEW DELHI

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S. No.	Head of Work / Equipment		ACE Claimed (Actual / Projected)				Regulation under which claimed	Justification
		Head of account	Accural basis	Un-discharged Liability included in col.3	Cash basis	IDC included in col.3		
1	2	3	4	5	6=4-5	7	8	10
4	KENWOOD VHF HAND HELD SETS TK-2307,5W, WITH KNB-45L 2000MAH LI-ION BATTERY, KSC-35 RAPID CHARGER	411804	127036		127,036			Necessity of Incurring expenditure: Kenwood VHF Hand held set along with repeater are purchased as per requirement of CISF at TPS new 10 hand held sets has been provided for security reasons. Impact on Efficiency/Performance: Being on Indo Nepal border security is of utmost importance to safeguard power haose and other installations. Replacement value of old item indicated at item no. B(12) Form-9(B)(i)
5	VHF REPEATER KENWOOD SYNTHESIZED BACK TO BACK TRANSCEIVER MODEL TK-7160	411804	64,004	-	64,004		-	
6	LT DISTRIBUTION PANEL ,1.1 KV, INCOMING ACB- 1000X1, OUTGOING MCCB- 400X5, 250X3	410713	371,102		371,102	-		**Existing System:** LT panel is around 25 years old & obsolete.Installed at the time of commissioning. **Necessity for Incurring Expenditure:** Panel used for Supplying various feeders (illumination & offices) power for 33/11 KV substation DPH complex. **Effect on Efficency/ Performance:** Old item actually deleted during 2015-16 (refer item no.B(37) of Form-9B(i)) , but same amount is indicated as assumed deletion during 2014-15 refer item no.4 of Form-9(B)(i).
7	LT DISTRIBUTION PANEL ,1.1 KV, INCOMING MCCB- 630X2, OUTGOING MCCB- 100X15, 250X5	410713	331,500		331,500	-		
	Sub total		**4274686.00**	**0.00**	**4274686.00**			
	Total		**10036346.00**	**0.00**	**10036346.00**			

For D S P & Associates
Chartered Accountants

DSP & ASSOCIATES * CHARTERED ACCOUNTANTS * FRN 006791N NEW DELHI

For NHPC LTD.

(M G Gokhale)
GM (Comml.)

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Year wise Statement of Additional Capitalisation after COD

FORM-9A

Name of the Petitioner : NHPC Ltd.
Name of the Generating Station : Tanakpur Power station
COD : 01.04.1993

Financial Year : 2015-16

(AMOUNT IN RS.)

S. No.	Head of Work / Equipment		ACE Claimed (Actual / Projected)				Regulation under which claimed	Justification	Admitted Cost by the Commission, if any
			Accural basis	Un-discharged Liability included in col.3	Cash basis	IDC included in col.3			
1	2		3	4	5 = 3 - 4	6	7	8	9
A	APPROVED PROPOSAL								
1	Unit Auxiliary Transformers (UATs) 1 no.	410713	0.00	0.00	0.00		14(3)(viii)	**CERC has allowed Rs. 13.16 Lacs(16-2.84) for the purchase.** It has been decided by the management that all types of transformer should be procured in one package. As a result it has been kept in 2017-18.	13.16 (16-2.84)
2	Telephone Exchange	411902	0.00	0.00	0.00		14(3)(viii)	**CERC has allowed Rs. 26.84 Lacs(35-8.16) for the purchase.** This item could not be purchased due to poor response and Shifted to F.Y 2017-18.	26.84 (35-8.16)
	Sub total		**0.00**	**0.00**	**0.00**				40.00
B	**ACTUAL EXPENDITURE DUE TO SITE REQUIREMENT WHICH WERE NOT PROPOSED EARLIER**								
1	SUBMERSIBLE PUMP 3 HP MODY-M204T (3 nos.)	410713	200895		200895		14(3)(viii)	**Existing System:** Submersibile pumps are required for Dewatering of water accumalated in top cover area. **Necessity of Incurring expenditure:** Old submersible pumps were purchased during 2007-08 and completed their life. Hence replaced with new ones. **Impact on Efficiency/ performance:** New submersible pumps have better reliabilty and required for dewatering of leakage water through the shaft seal accumulated in turbine pit at regular interval. They are indispensable for power house operation as well as to avoid flooding of turbine pit. **Replacement Value:** Old pumps are acutally deleted during 2017-18 (refer item no. B7-B9 of Form-9B(i). However the same deletion value is indicated as assumed deletion during 2015-16 in Form-9B(i) (refer item no. A (1-3).	
2	Energy Efficient Motors for Cooling Water Arrangement and automation using VFD System (SQUIRREL CAGE INDUCTION MOTOR 150 HP, 415V)	410712	1569885		1569885		14(3)(viii)	**Existing Arrangement:** 6nos. 150HP cooling water motor-pumping units have been installed for cooling of Generating Units. These motor units are in operation since **commissioning** i.e. for more that 20 years. **Necessity for Incurring Expenditure:** In view of efficiency and life expectancy of motors, it is proposed to replace existing 20 years old cooling water motors in phased manner with new energy efficient motors and their automation using VFD system for life extension of cooling system and energy efficiency. The main advantages of installing VFD system are: 1. Energy Savings 2. Improved Process Control 3. Lower System Maintenance **Impact on Efficiency/Performance:** Replacement of existing cooling water motors with new energy efficient motors and their automation using VFD system shall help in life extension of cooling system and energy efficiency. The performance of power plant shall be enhanced due to: 1. Energy Savings 2. Improved Process Control 3. Lower System Maintenance Motors along with panels are installed in phase manner. Out of 6 pumps, 2 two pumps are purchased during 2015-16 and 4 pumps are instaled during 2016-17. **2 nos old pumps are actually deleted during 2016-17 (refer item no. 32&33 of Form-9B(i), however the same is indicated as assumed deletion during 2015-16 (refer item no. A 4&5)**	

USP & ASSOCIATES CHARTERED ACCOUNTANTS FRN 006791N NEW DELHI

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S. No.	Head of Work / Equipment		ACE Claimed (Actual / Projected)				Regulation under which claimed	Justification	Admitted Cost by the Commission, if any
			Accural basis	Un-discharged Liability included in col.3	Cash basis	IDC included in col.3			
4	CONTROL ROOM BUILDING AT BARRAGE	410304	1870411		1870411		14 (3)(viii)	**Existing Arrangement** There was a sudden collapse adjacent to barrage controll room at tanakpur barrage site on 31st Aug 2014. **Necessity of Incurring expenditure** There was a sudden collapse adjacent to barrage controll room at tanakur barrage site on 31st Aug 2014. The concrete block D/S warped wall portion between RD +/- 75.60M to RD +/- 102M got badly damaged as the area between 61.9M to 103M was settled down about 1.5M to 3M vertically. For taking the restoration work of damaged structutes it was apprehended that the existing controll room building may also collapse. Hence before start of the restoration work, the control panels etc were shifted to the prefab control room building constructed art the cost of 18.70 Lakhs. **Impact on efficiency/performance** For smooth functioning of barrage operation and maintenance. New building is now being used as office complex.	
5	School Buildings (KV)	410322	798743		798743		14(3)(viii)	KV School runs within the premises of power station have been maintained by power station. As per the requirement, additional toilet was constructed for KV School.	
6	LV MOTOR CONTROL CENTRE (MCC) 415V AC WITH INCOMMER- 01 NOS (100A) OUTGOINGS- 03 NOS (63A-02 NOS, 4	410711	982475		982475		14(3)(viii)	**Existing Arrangement:** The existing panels are for control of tail race channel gates of power house. **Necessity for Incurring Expenditure:** Due to ageing and poor condition of panel, it is necessary to replace these panels with new panels. **Impact on Efficiency/Performance:** Replacement of panel will enhance the performance and reduce the downtime of illumination system. Replcement Vaiue: Replacement vailue of old item is indicated in Form-9B(i) (refer item no. B(1))	
7	BPJ (BULLET PROOF JACKET) III MEDIUM SIZE 14 no. BPJ (BULLET PROOF JACKET) III LARGE SIZE 4 no.	412503	628674		628674		14(3)(viii)	**Necessity of Incurring expenditure:** These bullet proof jackets have been purchased keeping in view the securithy aspect of the Power Station. The Tanakpur Power Station is very close to the International Border (Nepal) and for maintenace of vital installations and present senario, it was considered essential by the CISF Authorities that the solders are required to be provided bullet proof jackets and helmet.	
8	SPIKE ROAD BLOCK WITH DRIVE MECHANISM AND MICROPROCESSOR BASED CONTROL PANEL 01 no.	412503	313000		313000		14(3)(viii)	**Necessity of Incurring expenditure:** Spike road block with drive mechanism and microprocessor based control panel has been purchased keeping in view the security aspect of the Power Station. The TPS is very close to the International Border (Nepal) and for maintenace of vital installations and present senirio, it was considered essential by the CISF Authorities to install Spike road block with drive mechanism and microprocessor based control panel.	
9	TURBINE OIL FILTRATION PLANT(1 No.)	410713	1004700		1004700		14(3)(viii)	**Existing Arrangement:** TWO NOS. TUREINE OIL FILTRATION PLANTS ARE BEING USED FOR FILTRATION OF FOREIGN MATERIAL AND CONTROL OF MOISTURE CONTENT OF THE OIL USED IN GGB, TGB AND PP SETS OF ALL THE THREE UNITS. **Necessity for Incurring Expenditure:** OneTurbine oil filtration plant using for filtration of GGB, TGB AND PP SETS of all the three units in operation/ service since commissioning of Power Station during 1992-93 i.e. giving service for more than 24 years and has covered its life resulting long periods of filtration of oil and needs replacement. **Impact on Efficiency/Performance:** It is essential for maintaining the quality of turbine oil for good performance & efficiency of the units. Filtration of oil in lesser period will reduce the overall maintenance cycle time. **Replacement of old itemt indicated as assumed deletion in Form-9B(i) (refer item no. A5)**	
10	CENTRIFUGAL TYPE MONOBLOCK PUMP 3PHASE, 2HP	410713	27260		27260		14(3)(viii)	**Necessity of Incurring expenditure:** Being used for cleaning/washing of Hydromechanical Gates, stoplog gates at Barrage site. (New Purchase)	
11	SUBMERSIBLE PUMP 3HP, KIRLOSKAR, MODEL: ETERNA CW2200	410713	38472		38472		14(3)(viii)	**Necessity of Incurring expenditure:** Installed in Power channel at HR Gate down stream side for PPM sample collection. (New Purchase)	

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S. No.	Head of Work / Equipment		ACE Claimed (Actual / Projected)				Regulation under which claimed	Justification	Admitted Cost by the Commission, if any
			Accural basis	Un-discharged Liability included in col.3	Cash basis	IDC included in col.3			
12	MONOBLOCK PUMP SET 3-PHASE 415 VOLTS 3 HP	410713	36700		36700		14(3)(viii)	**Existing Arrangement** To cater the demand of drinking water for barrage complex staff and locals one pump was being used. **Necessity of Incurring expenditure** As new buliding was constructed and the existing water supply scheme was not sufficient to cater the demand of employees , CISF Staff and pilgrims and also the existing pump installed was not working properly (was at the time of commissioning) . **Impact on efficiency/performance** To cater the demand of drinking water for barrage complex staff and locals.	
13	REFRIGERATED AIR DRYER CAPACITY:60 CFM, PRESSURE:14 KG/ CM2, SHALCOT MODEL:SR-60-NSP AC-14	410713	84236		84236		14(3)(viii)	**Necessity of Incurring expenditure:** Refrigerated Air dryer was purchased for cleaning of CMR panel, sliprings and windings of Generators, transformers etc. so that proper cleaning may be ensured and development of faults may be averted for minimization of outage.	
14	AED PHOENIX (AUTOMATIC EXTERNAL DEFIBRILLATION)	412005	130560		130560		14(3)(viii)	**Necessity for Incurring Expenditure:** Ii is a new purchase and used for revival of the heart of the patient in case of failure used in Project Hospital.	
15	MICROPROCESSOR BASED DIGITAL GOVERNOR ELECTRONIC PANEL Digital Speed Governor for Generating Units.	410701	9204531		9204531		14(3)(viii)	**Necessity for Incurring Expenditure:** Since existing governors has become obsolete,installed at the time of commissioning, therefore it is necessary to replace these Governors with new technology digital speed governors for better response & control. **Impact on Efficiency/Performance:** Replacement of obsolete governors with new technology digital speed governors will solve the problem of non-availabily of spares & services for future and thus shall help in maintaining the efficiency, run & maintain the machines performance for future. Replacement value of old item is indicated in Form-9B(i) (refere item no.12)	
16	415VAC LV IND.DIST. PANEL-INC. 400A 2 NOS, ATS 400A 1 NOS,OUT.12 NOS 63A & ST. LIGHT CONT 65A 3 NOS	410711	357000		357000		14(3)(viii)	**Existing Arrangement:** The existing panels are for distribution of power supply for illumination system of power house. **Necessity for Incurring Expenditure:** Due to ageing and poor condition of panel, it is necessary to replace these panels with new panels. **Impact on Efficiency/Performance:** Replacement of panel will enhance the performance and reduce the downtime of illumination system . Repalcement cost indicated in Form-9B(i) (refer item no. B(14) during 2015-16)	
17	AUTOMATIC GATE AT ENTRANCE	410304	684778		684778			**Necessity for Incurring Expenditure:** Tanakpur Power Station is very close to the International Border (Nepal) and for security and maintenance of vital installations in present scenario. For better safety and security of power station automatic gate entrance is installed.	
18	1600A LT DISTRIBUTION PANEL WITH 2NOS 1600ACB's, 2NO 250A,2NO 100A, 2NO 63A, 4NO 32A MCCB	410711	576300		576300			**Necessity for Incurring Expenditure:** Panel used for supplying various feeders (illumination & offices) at DPH Barrage with replacement of old distribution panel Replacement cost indicated in Form-9B(i) (refer item no. B(11)	
19	415V,50HZ LT DIST PANEL-I/C 1N 400A MCCB & O/G:2NOS 125A MCCBS,1N 63A,2NOS 32A,1NO 16A,1NO 10A MCBS	410807	82620		82620			**Existing System:** Power supply to left bank (Nepal side) of TPS Barrage was controlled from DPH barrage . **Necessity of Incurring expenditure:** for supplying various feeders for illumination on the left bank (Nepal side) of TPS Barrage to avoid voltage drop as SSB units has been deployed for safety of nepal border. **Effect on Efficency/ Performance:** Safety of Power Staation being near to Nepal border has necessitated uniterrupted power supply to project installation. Replacement vailue of old item is indicated in Form-9B(i) (refer item no. B(2))	

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S. No.	Head of Work / Equipment		ACE Claimed (Actual / Projected)				Regulation under which claimed	Justification	Admitted Cost by the Commission, if any
			Accural basis	Un-discharged Liability included in col.3	Cash basis	IDC included in col.3			
21	EXIR BULLET NETWORK CAMERA - MAKE- HIKVISION, MODEL- DS-2CD2232-I5	412503	20998		20998		14(3)(viii)	**Necessity for Incurring Expenditure:** Purchased in order to improve security and surveillance of power station and other vital installations.	
Sub-total			**18612238.00**	**0**	**18612238.00**				

For D S P & Associates

Chartered Accountants

DSP & ASSOCIATES * CHARTERED ACCOUNTANTS * FRN 006711N NEW DELHI

For NHPC LTD.

(M G Gokhale)

GM (Comml.)

FORM-9A

Year wise Statement of Additional Capitalisation after COD

Name of the Petitioner : NHPC Ltd.
Name of the Generating : Tanakpur Power station
COD : 01.04.1993
Financial Year : 2016-17

(AMOUNT IN RS.)

S. No.	Head of Work / Equipment		ACE Claimed (Actual / Projected)				Regulation under which claimed	Justification	
			Accural basis	Un-discharged Liability included in	Cash basis	IDC included in col.3			ADMITTED COST
1	2	3	4	5	6=4-5	7	8	10	
A	APPROVED PROPOSAL AS PROPOSED EARLIER								
1	Unit Auxiliary Transformers (UATs).	410713	0.00	0.00	0.00		Regulation 14(3)(viii)	Purchase of 3 no. Unit Auxiliary Transformers may please be read as Purchase of 1 no. Unit Auxiliary Transformer. Item actually purchased during 2017-18 (refer item no. B(1))	Amount approved Rs. 14.16 Lacs
2	Station Service Transformers (SSTs).	410703	0.00	0.00	0.00		Regulation 14(3)(viii)	Item actually purchased during 2017-18 (refer item no. B(1)) Item Actually purchased during 2017-18 (refer item no. B(1))	Amount approved Rs. 12.71 Lacs in 2016-17.
3	Complete runner assembly	410701	0.00	0.00	0.00		Regulation 14(3)(viii)	The proposal for purchase runner has been reviewed and in place of complete runner, blades of runners are replaced.	Amount approved 2016-17 Rs. 1284.77 Lacs.
Sub-total			0	0	0				

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S. No.	Head of Work / Equipment		ACE Claimed (Actual / Projected)				Regulation under which claimed	Justification	
			Accural basis	Un-discharged Liability included in	Cash basis	IDC included in col.3			ADMITTED COST
1	2	3	4	5	6=4-5	7	8	10	
B	ACTUAL EXPENDITURE DUE TO SITE REQUIREMENT WHICH WERE NOT PROPOSED EARLIER								
1	ONE COMPLETE SET OF STOPLOG GATES AS PER DRAWING NO. 25/53 A	410601	1,24,07,994		1,24,07,994		14(3)(viii)	**Existing System:** **Necessity of Incurring expenditure:** The facts and figure regarding maintenance of gates during last 3 years shows that only 8 gates could be repaired annually in the eight months of lean period (as 4 months no R&M works due to flood period) with 2 Set of Stoplog gate as an average 60 days are required for R&M of each Gate. Therefore, at least 12 gates (approx 50 %) could be repaired yearly with 3 set of stoplog gate and on alternate year cycle , every gate could be attended for repair which is quite essential to save Barrage from any disaster during flood. After 2013 flood in uttrakhand, Govt. Audit Party (CAG) audited the Barrage and pointed out to ensure that before monsoon all barrage gates were in working condition and all works in barrage area, which could have restricted gate operation were completed before start of monsoon season. Malfunctioning due to non-maintenance of gates attract water spillage/leakage from Gates which leads loss of generation. Efficient & water spillage/leakage proof operation of barrage gates enhance the generation capacity resulting efficient performance of power station as well as barrage safety from any disaster due to damage of gate during flood season.	
2	OPU PUMP WITH MOTOR (039,099) FOR 40 MW KAAPLAN TURBINE	410701	16,98,300		16,98,300		14(3)(viii)	**Existing System:** Two sets of OPU pump with motors are fitted for operation of each unit. **Necessity of Incurring expenditure:** OPU pump motor sets fitted in Unit # 2 is in operation/ service since commisioning of Power station during 1992-93 i.e giving service for more than 25 years and was covered their life and needs replacement. Impact on **Efficiency/ performance**: It is essential for the performance and efficiency of the unit by supplying high pressure oil for controlling of the Generating Unit through Governor. Replacement Value of old pumps is indicated at item no. B7 of Form-9B(i)	

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S. No.	Head of Work / Equipment		ACE Claimed (Actual / Projected)				Regulation under which claimed	Justification	
			Accural basis	Un-discharged Liability included in	Cash basis	IDC included in col.3			ADMITTED COST
1	2	3	4	5	6=4-5	7	8	10	
3	SUBMERSIBLE PUMP 3 HP MODY-M204T (9 nos.)	410713	5,19,750		5,19,750		14(3)(viii)	**Existing System:** Submersibile pumps are required for Dewatering of water accumalated in top cover area. **Necessity of Incurring expenditure:** Old submersible pumps completed their life and replaced with new one. **Impact on Efficiency/ performance:** New submersible pumps have better reliabilty and required for dewatering of leakage water through the shaft seal accumulated in turbine pit at regular interval. There is no direct impact on efficiency/ performace of units, but they are indispensable for power house operation as well as to avoid flooding of turbine pit. Theses are new purchase with out any replacement. Replacement value of old pumps are indicated at item no. B(2),B(18) to B(23) in Form-9B(i) during 2014-15 and item no. B(10) to B(11) in Form-9B(i) during 2017-18.	
4	VCB (VACCUM CIRCUIT BREAKER) OUT. TYPE 1000/1250 A, 33 KV, 50HZ, EL. & MAN. OPER.,OVB VBF-36.16.25	410807	2,72,391		2,72,391		14(3)(viii)	**Existing System:** Oil circuit breaker used for controlling of 33 KV supply from UPCL to feed the power house auxiliaries and others during shutdown of generating units. **Necessity for Incurring Expenditure:** VCB is used for controling the 33 KV supply taken from UPCL to feed the power house auxiliaries and others during shutdown of generating units being of latest technology. Moreover spare parts of old OCB are not available. **Effect on Efficency/ Performance:** Oil circuit breaker model was around 25 year old which is obsolete . Spare parts are not available. Replacement value is indicated during 2016-17 in Form-9B(i) (refer item no. A1)	

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S. No.	Head of Work / Equipment		ACE Claimed (Actual / Projected)				Regulation under which claimed	Justification	
			Accural basis	Un-discharged Liability included in	Cash basis	IDC included in col.3			ADMITTED COST
1	2	3	4	5	6=4-5	7	8	10	
5	Energy Efficient Motors for Cooling Water Arrangement and automation using VFD System (SQUIRREL CAGE INDUCTION MOTOR 150 HP, 415V)	410712	30,47,252		30,47,252		14(3)(viii)	**Existing Arrangement:** 6nos. 150HP cooling water motor-pumping units have been installed for cooling of Generating Units. These motor units are in operation since **commissioning** i.e. for more that 20 years. **Necessity for Incurring Expenditure:** In view of efficiency and life expectancy of motors, it is proposed to replace existing 20 years old cooling water motors in phased manner with new energy efficient motors and their automation using VFD system for life extension of cooling system and energy efficiency. The main advantages of installing VFD system are: 1. Energy Savings 2. Improved Process Control 3. Lower System Maintenance **Impact on Efficiency/Performance:** Replacement of existing cooling water motors with new energy efficient motors and their automation using VFD system shall help in life extension of cooling system and energy efficiency. The performance of power plant shall be enhanced due to: 1. Energy Savings 2. Improved Process Control 3. Lower System Maintenance Motors along with panels are installed in phase manner. Out of 6 pumps, 2 two pumps are purchased during 2015-16 and 4 pumps are instaled during 2016-17. Old pumps are actually de-capitalised during 2019-18	
6	VRLA TYPE BATTERY BANK 48V,DC,200AH.	410713	1,29,246		1,29,246		14(3)(viii)	**Existing System:** The battery bank had been replaced during 2004 and 2006. **Necessity for Incurring Expenditure:** In view of life cycle of lead acid batteries, replacement of above batteries was again due. So old battery Banks were replaced with new battery banks **Impact on Efficiency/Performance:** for reliable DC Power to Protection and control system. Replacement value of old item is indicated at item no. B3 to B6 in Form-9B(i) during 2016-17	
7	220V DC 800 AH BATTERY BANK	410713	36,22,834		36,22,834				

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S. No.	Head of Work / Equipment		ACE Claimed (Actual / Projected)				Regulation under which claimed	Justification	
			Accural basis	Un-discharged Liability included in	Cash basis	IDC included in col.3			ADMITTED COST
1	2	3	4	5	6=4-5	7	8	10	
8	2 no. NUMERICAL COMPLETE GENERATING UNIT PROTECTION SYSTEM FOR 3 X 31.4 MW HYDRO GENERATING UNIT	410711	19,12,500		19,12,500		14(3)(viii)	**Necessity for Incurring Expenditure:** Obsolete old electro-mechanical relays were replaced in phased manner with new advanced microprocessor based Numerical Protection relays for better protection of capital equipment, protection reliability, fault diagnostic and analysis. Two NUMERICAL COMPLETE GENERATING UNIT PROTECTION SYSTEM FOR 3 X 31.4 MW HYDRO GENERATING UNIThave been capitalised during 2016-17 and balance one number shall be PURCHASED IN AND capitalised in 2017-18. Old relays are actully decapitalised during 2018-19 (refer item no. B11 & B12). Hoever the same value is considered as assumed deletion during 2016-17	
9	MICROPROCESSOR BASED DIGITAL GOVERNOR ELECTRONIC PANEL (EHGC) (2 NO.) for Unit 1&2)	410701	1,65,24,000		1,65,24,000		14(3)(viii)	**The existing** governors were of M/s BHEL make, Type EHG-40. **Necessity for Incurring Expenditure:** As intimated by OEM; these governors had become obsolete, have completed around 25 years of operation and OEM does not support for spares of the same,therefore it was necessary to replace them with new **technology digital speed governors for better response & control.** **Impact on Efficiency/Performance:** Replacement of governors with new technology digital speed governors shall help in maintaining the efficiency, running & maintain the machines performance for future. Replacement value of old governor is indicated at item no. B1& B2 in Form-9B(i) during 2016-17. Installation charges are capitalised during 2017-18 (refer item no. C9)	
10	HM Work shop building conference hall and civil office building at barrage and store at silt Ejector	410304	5468416		54,68,416		14(3)(viii)	**Existing Arrangement** Old building collapsed in 2015 and was being used as HM workshop. **Necessity for Incurring Expenditure:** - There was no space at barrage site for stacking of inventory and sitting of employees. - Old HM workshop situated at right guide bund got collapsed due to erosion in bund. **Impact on efficiency/performance** For better functioning on daily routine work of barrage.Existing Arrangement	
11	C/O HM WORKSHOP BUILD, CONFERENCE HALL & CIVIL BUILD AT BARRAGE AND C/O STORE AT SILT EJECTOR	410306	566385		5,66,385		14(3)(viii)		

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S. No.	Head of Work / Equipment		ACE Claimed (Actual / Projected)				Regulation under which claimed	Justification	
			Accural basis	Un-discharged Liability included in	Cash basis	IDC included in col.3			ADMITTED COST
1	2	3	4	5	6=4-5	7	8	10	
12	RUNNER BLADE FOR 40 MW KAPLAN TURBINE, DRAWING NO. 02040719001	410714	5,04,90,000		5,04,90,000		14(3)(viii)	**Existing Arrangement** 06 nos. of runner blades are fitted with the runner assembly for the operation of every unit. **Necessity for Incurring Expenditure:** Runner blades installed in Unit#1 in 2008-09 have been completed 08 years of life. As the condition of runner blades is severely damaged and not repairable, new runner blades were purchased and installed in Unit#2 during its capital maintainance in 2017-18. **Impact on Efficiency/Performance:** New blades will avoid water/ pressure loss and hence energy loss during operation for good performance and efficiency of the unit. **Old blades are actually de-capitalised during 2017-18 (refer item no. B13). Same value is claimed as assumed deletion during 2016-17.**	
13	C/o Dyke at RD 4075 mtrs along the right bank of river Sharda	410601	7313318		7313318		14(3)(viii)	**Existing System:** The Dykes are provided at different locations in downstream of barrage. During flood season flood water in downstream of barrage may hit and destroy the left embankment of power channel. To SAFEGUARD THE STRUCTURE Dykes areconstructed regularly to divert the flood water. **Necessity for Incurring Expenditure:** During flood season flood water in downstream of barrage may hit and destroy the left embankment of power channel. To SAFEGUARD THE STRUCTURE Dykes areconstructed regularly to divert the flood water. **Effect on Efficency/ Performance:** Embankment of Power Channel are safeguarded from extensive damage.due to flood water.	
14	PORTABLE 1000 CFM DIESEL AIR COMPRESSOR, ELGI EQUIPMENTS LTD/PG1000S-275	411115	3294600		3294600		14(3)(viii)	**Existing System:** Compressor of capacity of 750cfm was being used and wastransferred from Dhualiganga Project **Necessity for Incurring Expenditure:** The compressor had completed its useful life and was giving problems. Moreover the spare parts of the model were not avaialble with the OEM. **Effect on Efficency/ Performance:** To increase the efficiency of silt ejector. Old item already deleted during 2014-15 (refer item no. B1) Form-9B(i)	

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S. No.	Head of Work / Equipment		ACE Claimed (Actual / Projected)				Regulation under which claimed	Justification	
			Accural basis	Un-discharged Liability included in	Cash basis	IDC included in col.3			ADMITTED COST
1	2	3	4	5	6=4-5	7	8	10	
15	HORIZONTAL DOUBLE MOUNTING SIREN 3 PHASE 400/440 VOLT, 2800 RPM 50HZ AC AUDIBLE RANGE 11.5KM 7.5 HP	411902	192270		192270		14(3)(viii)	**Existing System:** The range of existing siren is around 3 KMs. **Necessity for Incurring Expenditure:** Higher range siren is required for alerting villagers residing at up stream and down stream of barrage **to avoid any mishappening/ casualties.** **Effect on Efficency/ Performance:** Higher range siren used for alerting for villagers situated up stram and down stream of barrage.	
Sub-total			**107459256.00**		**107459256.00**				
Total			**107459256.00**	**0.00**	**107459256.00**				

Note:

1. Exclusions claimed on assets not allowed in Tariff should be supported by the specific reference of Commission Order date, Petition No., amount disallowed, etc..

2. For inter unit transfer, nature of transfer i.e. temporary or permanent should be mentioned. It is to be certified that exclusion sought in receiving station only and not in sending station or in both the station.

For NHPC LTD.

(M G Gokhale)
GM (Comml.)

For D S P & Associates
Chartered Accountants

D.S.P. & ASSOCIATES * CHARTERED ACCOUNTANTS * FRN 016791N NEW DELHI

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Form-9A

Year wise Statement of Additional Capitalisation after COD

Name of the Petitioner : NHPC Ltd.

Name of the Generating Station : Tanakpur Power station

COD : 01.04.1993

Financial Year : 2017-18

(AMOUNT IN Rs.)

S. No.	Head of Work / Equipment	Head of Account	ACE Claimed (Actual / Projected)				Regulation under which claimed	JUSTIFICATION	Admitted Cost by the Commission, if any
			Accural basis	Un-discharged Liability included in col.3	Cash basis	IDC included in col.3			
1	2	3	4	5	6=4-5	7	8	9	
A	**APPROVED PROPOSAL**								
	STATION SERVICE TRANSFORMER, 1000 KVA, 11/0.415KV, 50 HZ, DRY TYPE, THREE PHASE TRANSFORMER		0.00	0.00	0.00	0.00	Regulation 14(3)(viii)	Purchased as in B below	**Amount alowed Rs. 14.70 Lacs.**
	Sub total		**0.00**	**0.00**	**0.00**	**0.00**			14.70
B	**ACTUAL EXPENDITURE (AS PER BOOKS OF ACCOUNTS) AS PROPOSED EARLIER**								
1	UNIT AUXILIARY TRANSFORMER ,DRY TYPE, 11/0.415 KV. 3 PHASE, 800 KVA	**410713**	4065750.00	996750.00	3069000.00		Regulation 14(3)(viii)	**Amount allowed** 2014-15 Rs. 12.16 Lacs. 2015-16 Rs. 13.16 Lacs 2016-17 Rs. 14.16 Lacs --- 39.48 Lacs ---	
2	STATION SERVICE TRANSFORMER, 1000 KVA, 11/0.415KV, 50 HZ, DRY TYPE, THREE PHASE TRANSFORMER	**410713**	2993700.00	724500.00	2269200.00		Regulation 14(3)(viii)	**Amount allowed** 2016-17 Rs. 12.71 Lacs 2017-18 Rs. 14.70 Lacs	
	Sub total		**7059450.00**	**1721250.00**	**5338200.00**				

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S. No.	Head of Work / Equipment	Head of Account	ACE Claimed (Actual / Projected)				Regulation under which claimed	JUSTIFICATION	Admitted Cost by the Commission, if any
			Accural basis	Un-discharged Liability included in col.3	Cash basis	IDC included in col.3			
C	ACTUAL EXPENDITURE (AS PER BOOKS OF ACCOUNTS) DUE TO SITE REQUIREMENT WHICH WERE NOT PROPOSED EARLIER								
1	LT PANEL WITH IC 400 A, 4P MCCB-1NO,OG 4P MCCBS-6 NOS(125&100A),SPN MCBS-6(32 &25A)	410711	179912		179912		Regulation 14(3)(viii)	**Existing System:** LT panel is around 25 years old & obsolute **Necessity of Incurring expenditure:** New purchase for supplying various feeders for illumination and offices on the right bank of TPS Barrage as a **safety measure**. Necessity for Incurring Expenditure: Panel used for Supplying various feeders (illumination & offices) power for supply to Sharda Sadan Guest House. **Effect on Efficency/ Performance:** Improved efficency of system. Replacement value indicated assuemd deletion in Form-9B(i) (refer item no. A6)	
2	NUMERICAL COMPLETE GENERATING UNIT PROTECTION SYSTEM FOR 3 X 31.4 MW HYDRO GENERATING UNIT	410711	956250		956250		Regulation 14(3)(viii)	Necessity for Incurring Expenditure: Obsolete old electro-mechanical relays were replaced in phased manner with new advanced microprocessor based Numerical Protection relays for better protection of capital equipment, protection reliability, fault diagnostic and analysis. Two NUMERICAL COMPLETE GENERATING UNIT PROTECTION SYSTEM FOR 3 X 31.4 MW HYDRO GENERATING UNIT have been capitalised during 2016-17 and balance one number PURCHASED IN AND capitalised in 2017-18. Replacement value indicated assuemd deletion in Form-9B(i) (refer item no. A7)	

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S. No.	Head of Work / Equipment	Head of Account	ACE Claimed (Actual / Projected)				Regulation under which claimed	JUSTIFICATION	Admitted Cost by the Commission, if any
			Accural basis	Un-discharged Liability included in col.3	Cash basis	IDC included in col.3			
3	Energy Efficient Motors for Cooling Water Arrangement and automation using VFD System (SQUIRREL CAGE INDUCTION MOTOR 150 HP, 415V)	410712	352340		352340		Regulation 14(3)(viii)	**Existing Arrangement:** 6nos. 150HP cooling water motor-pumping units have been installed for cooling of Generating Units. These motor units are in operation since **commissioning** i.e. for more that 20 years. **Necessity for Incurring Expenditure:** In view of efficiency and life expectancy of motors, it is proposed to replace existing 20 years old cooling water motors in phased manner with new energy efficient motors and their automation using VFD system for life extension of cooling system and energy efficiency. The main advantages of installing VFD system are: 1. Energy Savings 2. Improved Process Control 3. Lower System Maintenance **Impact on Efficiency/Performance:** Replacement of existing cooling water motors with new energy efficient motors and their automation using VFD system shall help in life extension of cooling system and energy efficiency. The performance of power plant shall be enhanced due to: 1. Energy Savings 2. Improved Process Control 3. Lower System Maintenance Amount is on account of insallation charges	
4	RADAR BASED WATER LEVEL MEASUREMENT, SENSOR AND REMOTE DISPLAY WITH 4 - 20 MA RETRANSMISSION OUTPUT AT BARRAGE POND	410713	260000		260000		Regulation 14(3)(viii)	**Existing System:** Water level conveyed through telephone from barrage control room to power house control room. **Necessity for Incurring Expenditure:** Installed at Barrage for Measurement of water level of barrage pond (Radar type) so that real time data is available at Power House. **Effect on Efficency/ Performance:** Real time monitoring of water level resulting in Improved efficency of system. **(Radar type)** Replacement of old item is indicated in Form-9B(i) (refer item A8)	

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S. No.	Head of Work / Equipment	Head of Account	ACE Claimed (Actual / Projected)				Regulation under which claimed	JUSTIFICATION	Admitted Cost by the Commission, if any
			Accural basis	Un-discharged Liability included in col.3	Cash basis	IDC included in col.3			
5	RADAR BASED WATER LEVEL MEASUREMENT, SENSOR AND REMOTE DISPLAY WITH 4 - 20 MA RETRANSMISSION OUTPUT AT TANAKPUR BARRAGE	412503	260000		260000		Regulation 14(3)(viii)	**Existing Arrangement** In moonsoon period , round the clock recording of discharge / level communicated to barrage contol room was done manually on hourly basis which was not efficient. **Necessity of Incurring expenditure** The instrument was installed on upstream side of tanakpur Barrage.A discharge data display at barrage control room was beneficial for operating the barrage operation. **Impact on efficiency/performance** For smooth functioning of barrage gate/Head regulator operation and maintenance . Installed at Gauge & Discharge site , Boom Mandir s for measurement and display discharge level of River Sharda. Replacement value indicated as assumed deletion in Form-9B(i) (refer item no. A8)	
6	SUBMERSIBLE PUMP 2000 LPM OR MORE AT 30 METER HEAD WITH STARTER PANEL,MAKE- SB PUMP, MODEL- DW- 306	410713	1025001		1025001		Regulation 14(3)(viii)	**Existing System:** In addition to VT Pumps, Submersibile pumps are also required in Drainage and Dewatering system for operation at regular interval. **Necessity of Incurring expenditure:** Old submersible pumps completed their life and replaced with new one. **Impact on Efficiency/ performance:** New submersible pumps have better reliabilty & pumping capacity and required for dewatering at regular interval. There is no direct impact on efficiency/ performace of units, but they are indispensable for power house operation as well as for emergent situation. Replacement value indicated in Form-9B(i) (refer item no. B3 to B5)	
7	FEED BACK TRANSDUCER (LVDT) I/P 24VDC, O/P - 4-20 MA	410714	504900		504900		Regulation 14(3)(viii)	**Existing Arrangement:** There is no provision for LVDT in old analog governor. **Necessity for Incurring Expenditure:** LVDT has been installed as a part of new digital MAX DNA Governor for measurement/ feed back of Guide vane opening and closing. **Gross Value of Old Asset:** Item is new and not a replacement item. **Impact on Efficiency/ Performance:** The feed back signals are more accurate in the digital form for smooth control of the unit.	

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S. No.	Head of Work / Equipment	Head of Account	ACE Claimed (Actual / Projected)				Regulation under which claimed	JUSTIFICATION	Admitted Cost by the Commission, if any
			Accural basis	Un-discharged Liability included in col.3	Cash basis	IDC included in col.3			
8	SPEED SIGNAL GENERATOR-AET 108A,I/P -+9 TO 25V,O/P-2V,FREQ. -0.05-20KHZ	410714	677025		677025		Regulation 14(3)(viii)	**Existing Arrangement:** There is no provision for SSG in old analog governor. **Necessity for Incurring Expenditure:** SSG has been installed as a part of new digital MAX DNA Governor for measurement of speed of unit. **Gross Value of Old Asset:** Item is new and not a replacement item. **Impact on Efficiency/ Performance:** The speed signals in digital form are more accurate for smooth control of the unit.	
9	MICROPROCESSOR BASED DIGITAL GOVERNOR ELECTRONIC PANEL (EHGC) (for Unit 1&2)	410714	3778024		3778024		Regulation 14(3)(viii)	**Existing System:** The existing governors were of M/s BHEL make, Type EHG-40. **Necessity for Incurring Expenditure:** As intimated by OEM; these governors had become obsolete, therefore it was necessary to replace with new technology digital speed governors for better response & control. **Impact on Efficiency/Performance:** Replacement of obsolete governors with new technology digital speed governors would solve the problem of non-availably of spares & services for future and thus shall help in maintaining the efficiency, run & maintain the machines performance for future. Expenditure is on account of installation charges for item capitalised during 2016-17 (refer item no. B9)	
	Sub Total		**7993452**		**7993452**				
	Total		**15052902.00**	**1721250.00**	**13331652.00**				

For D S P & Associates
Chartered Accountants

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For NHPC LTD.

(M G Gokhale)
GM (Comml.)

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FORM-9A

Year wise Statement of Additional Capitalisation after COD

Name of the Petitioner : NHPC Ltd.

Name of the Generating Station : Tanakpur Power station

COD : 01.04.1993

Financial Year : 2018-19

(AMOUNT IN Rs.)

S. No.	Head of Work / Equipment		ACE Claimed (Actual / Projected)				Regulation under which claimed		Admitted Cost by the Commission, if any
		Head of account	Accural basis	Un-discharged Liability included in col.3	Cash basis	IDC included in col.3		Special Remark	
1	2	3	4	5	6=4-5	7	8	9	10
A	APPROVED PROPOSAL								
	Sub total			NIL					
B	ACTUAL EXPENDITURE (AS PER BOOKS OF ACCOUNTS) AS PROPOSED EARLIER								
1	SERVER BASED IP-PBX SYSTEM WITH ALL ACCESSORIES, MAKE- TADIRAN, MODEL - AEONIX	411902	2868391	286839	2581552		14(3)(viii)	**Aleardy approved in 2015-16 at page 32 of 44 Rs. 26.84 Lacs (35-8.16)**	
	Sub total		**2868391**	**286839**	**2581552**				
C	ACTUAL EXPENDITURE (AS PER BOOKS OF ACCOUNTS) DUE TO SITE REQUIREMENT WHICH WERE NOT PROPOSED EARLIER								
1	ROOFTOP ENERGY EFFICIENT SOLAR PV GRID CONNECTED POWER PLANT,100KWP	412503	4562250		4562250		14(3)(i)	**Necessity for Incurring Expenditure:** As per sanction order no. 5/23/2009-p&c(pt-iii) dated 03/11/2014 with 30/11/2012-13/NHM dated 17/03/2017 the proposal was initiated for procurement of Roof Top Energy efficient solar PV Grid connected Power Plant,100KWP. **.Impact on Efficiency/Performance:** SAVING ON ACCOUNT OF ELECTRICITY IN VIEW OF dIRECTION OF GOVT. **NEW PURCHASE**	

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2	AUTOMATIC URINE ANALYSER - MAKE-TRANSASIA ERBA. MODEL-LAURAM	412005	154462		154462		14(3)(viii)	**Existing system:** There was no instument at the project for the same and thw same was done manually which was not accurate and also time consuming. **Necessity for Incurring Expenditure:** For proper diagnosis and treatment thereafter machine with latest technilogy was required. Moreover the facility is not available in the vicinity of the Power Sation. **Inmpct on efficiencr /Performance:** For proper diagnosis and treatment thereafter machine.	
3	AUTOMATED HEMATOLOGY ANALYSER -MAKE-SYSMEX ,MODEL- XP-100 TRANSASIA	412005	450642		450642		14(3)(viii)	**Existing system:** There was no instument at the project for the same and thw same was done manually which was not accurate and also time consuming. **Necessity for Incurring Expenditure:** For proper diagnosis and treatment thereafter machine with latest technilogy was required. Moreover the facility is not available in the vicinity of the Power Sation. Some parameters could not be checked the manual procedure. **Inmpct on efficiencr /Performance:** For proper diagnosis and treatment thereafter machine.	
	Sub Total		**5167354**		**5167354**				
	Total		**8035745**	**286839**	**7748906**				

For D S P & Associates
Chartered Accountants

D S P & ASSOCIATES * CHARTERED ACCOUNTANTS * FRN 005791N NEW DELHI

For NHPC LTD.

(M G Gokhale)
GM (Comml.)

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FORM-9B

Statement of Additional Capitalisation during fag end of the Project

Name of the Petitioner : NHPC LTD.

Name of the Generating Station :Tanakpur Power Station

COD : 01.04.1993

Sl. No.	Head of Work / Equipment	Work/Equipment added during last five years of useful life of each Unit/Station	Amount capitalised /Proposed to be capitalised (Rs Lakh)	Justification for capitalisation proposed	Impact on life extension
1	2	3	4	5	6
1					
2		**Not Applicable**			
3					
4					

Note:

1. Cost Benefit analysis for capital additions done should be submitted along with petition for approval of such schemes

2. Justification for additional capital expenditure claim for each asset should be relevant to regulation under which claim and the necessity of capitalization of the asset

For D S P & Associates
Chartered Accountants

DSP & ASSOCIATES * CHARTERED ACCOUNTANTS * FRN 006791N NEW DELHI

For NHPC Limited

(M G Gokhale)
General Manager (Comml.)

FORM-9D

Statement showing Items / assets / works claimed under Exclusions

(AMOUNT IN RS.)

Name of the Petitioner : NHPC Limited

Name of the Generating Station : Tanakpur Power Station

COD : 1-Apr-93

2014-15

Sl. No.	Head of Work / Equipment	Head of account	ACE Claimed under Exclusion				Justification
			Accural basis	Un-discharged Liability included in col.3	Cash basis	IDC included in col.3	
1	2		3	4	5=3-4	6	7
	2014-15						
1	SUBMERSIBLE PUMP SET 40 HP ROCKWELL RP 200-B1	410713	2,00,146		2,00,146		
2	FULLY AUTOMATIC STAR DELTA (FASD) STARTER WITH TIMER FOR 40 HP	410806	1,16,280		1,16,280	-	
3	PORTABLE ULTRASONIC CLAMP-ON FLOWMETER, PIPE RANGE 50MM-1000MM NB, 4-20MA AND PULSE OUTPUT	410713	2,95,800		2,95,800		
4	VACUUM CLEANER	410713	51,510		51,510		
5	HYDRAULIC JACK CAPACITY-10 TON WITH PUMP AND ACCESORIES	410713	43,835	-	43,835	-	It is not covered under any count at sl. no. 14(3) of CERC (Terms & conditions of tariff) regulations, 2014 dated 21/02/2014.
6	HYDRAULIC JACK CAPACITY-20 TON WITH PUMP AND ACCESORIES	410713	55,870	-	55,870	-	It is not covered under any count at sl. no. 14(3) of CERC (Terms & conditions of tariff) regulations, 2014 dated 21/02/2014.
7	HYDRAULIC JACK CAPACITY-50 TON WITH PUMP AND ACCESORIES	410713	73,060	-	73,060	-	It exists in "Not Considerable" item list, as per first paragraph of page 51 at sl. no. 14(3) of CERC (Terms & conditions of tariff) regulations, 2014 dated 21/02/2014.
8	GT OIL PUMP,415V+- 10%,3PH,50 HZ,750 LPM AT 11 MTR. HEAD,1100 LPM AT 7.5 MTR. HEAD.TYPE-4BTL3.	410714	92,118		92,118		- Item was purchased as spare for oil circulation of Generating Transformers during Emergency conditions to avoid outage . - One for replacement and other kept as spare.
9	CURRENT TRANSFORMER (CT) RATIO 600-300-150/1 AMPS OUTDOOR TYPE FOR GENERATOR BAY	410714	9,11,014		9,11,014		CT was required as spare for 220 KV Switch yard for emergency breakdown hours to avoid outage and losses of Power plant.
10	CVT 220V3KV/110V3V, RATED CAP 4400 PF +/- 10% PF, FREQUENCY 50HZ, HERMETICALLY SEALED	410714	7,38,789		7,38,789		CVT was required as spare for 220 KV Switch yard for emergency breakdown hours to avoid outage.
11	RUNNER (UNDER RESTORATION WITH BHEL)	410714	1	-	1	-	It exists in "Not Considerable" item list, as per first paragraph of page 51 at sl. no. 14(3) of CERC (Terms & conditions of tariff) regulations, 2014 dated 21/02/2014.
12	1600AMP LT DISTRIBUTION PANEL WITH 2 NOS 1600A ACB, 6NOS 250A MCCB, 5 NOS 100A MCCB	410807	44,944		44,944		this amount is installation actual purchase in 2013-14 not appearing in claim hence tis amount tfd to 9D
13	GODREJ CHAIR PCH-9P02A(KAREENA)	411701	37,032	-	37,032	-	It exists in "Not Considerable" item list, as per first paragraph of page 51 at sl. no. 14(3) of CERC (Terms & conditions of tariff) regulations, 2014 dated 21/02/2014.
14	VISITOR CHAIR KAREENA PCH-9P12TX	411701	58,940	-	58,940	-	Not covered under any count at sl. no. 14(3) of CERC
15	VISITOR CHAIR KAREENA PCH-9P12TX	411701	15,166	-	15,166	-	Not covered under any count at sl. no. 14(3) of CERC
16	BOOK RACK SINGLE SIDED WOOD & STEEL	411701	8,000	-	8,000	-	It exists in "Not Considerable" item list, as per first paragraph of page 51 at sl. no. 14(3) of CERC (Terms & conditions of tariff) regulations, 2014 dated 21/02/2014.

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Sl. No.	Head of Work / Equipment	Head of account	ACE Claimed under Exclusion				Justification
			Accural basis	Un-discharged Liability included in col.3	Cash basis	IDC included in col.3	
17	CHAIR PCH 5002T GODREJ	411701	15,890	-	15,890	-	It is not covered under any count at sl. no. 14(3) of CERC (Terms & conditions of tariff) regulations, 2014 dated 21/02/2014.
18	CHAIR (MEDIUM BACK, PP CUSHIONED ARMS, NYLON BASE, GAS LIFT, LEATHERITE TAPESTRY), GEEKEN GM225	411701	2,26,080	-	2,26,080	-	It exists in "Not Considerable" item list, as per first paragraph of page 51 at sl. no. 14(3) of CERC (Terms & conditions of tariff) regulations, 2014 dated 21/02/2014.
19	WOODEN DIVAN	411701	7,900	-	7,900		IUT Not covered under any count at sl. no. 14(3) of CERC
20	SOFA SET 7 SEATER	411701	33,900	-	33,900		IUT Not covered under any count at sl. no. 14(3) of CERC
21	CHAIR KAREENA 9P01A	411701	1,13,960	-	1,13,960	-	It is not covered under any count at sl. no. 14(3) of CERC (Terms & conditions of tariff) regulations, 2014 dated 21/02/2014.
22	CHAIR KAREENA 9P01A	411701	12,827	-	12,827	-	It is not covered under any count at sl. no. 14(3) of CERC (Terms & conditions of tariff) regulations, 2014 dated 21/02/2014.
23	HP PAVILION 500-210IX WITH LED(W1972)	411801	2,49,010	-	2,49,010	-	It exists in "Not Considerable" item list, as per first paragraph of page 51 at sl. no. 14(3) of CERC (Terms & conditions of tariff) regulations, 2014 dated 21/02/2014.
24	PERSONAL COMPUTER (DESKTOP)	411801	3,43,480		3,43,480	-	Not covered under any count at sl. no. 14(3) of CERC
25	LAP TOP DELL 15R 4GB RAM S00GB HD	411801	48,200	-	48,200		IUT Not covered under any count at sl. no. 14(3) of CERC
26	HP LASER JET PRINTER, HP M1005	411803	64,000	-	64,000	-	It exists in "Not Considerable" item list, as per first paragraph of page 51 at sl. no. 14(3) of CERC (Terms & conditions of tariff) regulations, 2014 dated 21/02/2014.
27	HP LJ PRO 200 COLOUR MFP M276N PRINTER	411803	1,00,570	-	1,00,570	-	It exists in "Not Considerable" item list, as per first paragraph of page 51 at sl. no. 14(3) of CERC (Terms & conditions of tariff) regulations, 2014 dated 21/02/2014.
28	MULTIFUNCTION PRINT/FAX/COPY MACHINE, BROTHER - MFC- 1911NW	411803	26,980	-	26,980	-	Not covered under any count at sl. no. 14(3) of CERC
29	SAMSUNG ML4510ND PRINTER	411803	37,434	-	37,434	-	It exists in "Not Considerable" item list, as per first paragraph of page 51 at sl. no. 14(3) of CERC (Terms & conditions of tariff) regulations, 2014 dated 21/02/2014.
30	ONLINE UPS SYSTEM 1 KVA	411804	1,21,200		1,21,200	-	Not covered under any count at sl. no. 14(3) of CERC
31	ONLINE UPS SYSTEM 1 KVA	411804	20,200	-	20,200	-	Not covered under any count at sl. no. 14(3) of CERC
32	UPS 3 KVA	411804	61,000	-	61,000	-	Not covered under any count at sl. no. 14(3) of CERC
33	LED TV 48 INCH, SAMSUNG, MODEL - UA48H5100	411903	77,000	-	77,000	-	It exists in "Not Considerable" item list, as per first paragraph of page 51 at sl. no. 14(3) of CERC (Terms & conditions of tariff) regulations, 2014 dated 21/02/2014.
34	FULL HD 1080P VIDEO CONFERENCING EQUIPMENT INCLUDING FULL HD CAMERA INCLUDING ACCESORIES, CISCO SX20	411903	3,66,691	-	3,66,691		IUT Not covered under any count at sl. no. 14(3) of CERC
35	Fax-Machine	412003	13,125		13,125		ADJUSTMENT

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Sl. No.	Head of Work / Equipment	Head of account	ACE Claimed under Exclusion				Justification
			Accural basis	Un-discharged Liability included in col.3	Cash basis	IDC included in col.3	
36	FRIDGE	412005	1	-	1	-	It is not covered under any count at sl. no. 14(3) of CERC (Terms & conditions of tariff) regulations, 2014 dated 21/02/2014.
37	WHEEL CHAIR	412005	1	-	1	-	Not covered under any count at sl. no. 14(3) of CERC
38	SPLIT TYPE AIR CONDITIONER 2.0 (6000 K. CAL/HR)	412008	1,08,949	-	1,08,949	-	Not covered under any count at sl. no. 14(3) of CERC
39	AIR CONDITIONER SPLIT TYPE 1.5 TON	412008	3,57,150	-	3,57,150	-	It exists in "Not Considerable" item list, as per first paragraph of page 51 at sl. no. 14(3) of CERC (Terms & conditions of tariff) regulations, 2014 dated 21/02/2014.
40	WINDOW TYPE AIR CONDITIONER 1.5 TON	412008	1,38,000	-	1,38,000	-	Not covered under any count at sl. no. 14(3) of CERC
41	WINDOW TYPE AIR CONDITIONER 1.5 TON	412008	29,650	-	29,650	-	Not covered under any count at sl. no. 14(3) of CERC
42	WATER PURIFIER WIH RO, UV , CAPACITY 15LPH WITH 08LTR. STORAGE	412011	35,000	-	35,000	-	Not covered under any count at sl. no. 14(3) of CERC
43	WATER PURIFIER WIH RO, UV , CAPACITY 15LPH WITH 08LTR. STORAGE	412011	17,500	-	17,500	-	Not covered under any count at sl. no. 14(3) of CERC
44	WATER COOLER 80 LITRES	412011	90,681	-	90,681	-	Not covered under any count at sl. no. 14(3) of CERC
45	WATER COOLERS FULL STAINLESS STEEL BODY, 150/ 150 LTRS., MAKE- USHA - SS150150	412011	1,33,812	-	1,33,812	-	It exists in "Not Considerable" item list, as per first paragraph of page 51 at sl. no. 14(3) of CERC (Terms & conditions of tariff) regulations, 2014 dated 21/02/2014.
46	WATER PURIFIER WIH RO, UV , CAPACITY 15LPH WITH 08LTR. STORAGE	412011	17,001	-	17,001	-	Not covered under any count at sl. no. 14(3) of CERC
47	WATER PURIFIER WIH RO, UV , CAPACITY 15LPH WITH 08LTR. STORAGE	412011	17,500	-	17,500	-	Not covered under any count at sl. no. 14(3) of CERC
48	WATER PURIFIER WIH RO, UV , CAPACITY 15LPH WITH 08LTR. STORAGE	412011	17,001	-	17,001	-	Not covered under any count at sl. no. 14(3) of CERC
49	10 NOS CEILING FAN	412011	13,300	-	13,300	-	Not covered under any count at sl. no. 14(3) of CERC
50	MULTIMEDIA PROJECTOR WITH ACCESSORIES, DELL-1610HD	412501	1,36,500	-	1,36,500	-	Not covered under any count at sl. no. 14(3) of CERC
51	DIGITAL MEGGER	412502	13,352		13,352		
52	THERMOVISION CAMERA WITH ACCESSORIES, TESTO 875-1I	412502	2,72,850		2,72,850		
53	DIGITAL WEIGHING BALANCE OF 220G CAPACITY WITH .001G ACCURACY WITH WIND SHIELD	412502	38,694		38,694		
54	DIGITAL WEIGHING MACHINE/ELECTRONIC BALANCE OF 3-4 KG CAPACITY WITH MINIMUM ACCURACY OF 0.01 GM	412502	2,03,756		2,03,756		Not covered under any count at sl. no. 14(3) of CERC

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Sl. No.	Head of Work / Equipment	Head of account	ACE Claimed under Exclusion				Justification
			Accural basis	Un-discharged Liability included in col.3	Cash basis	IDC included in col.3	
55	COMMON METER READING INSTRUMENT(CMRI) COMPLETE WITH SOFTWARE, COMM. CABLE TO PC AND CHARGER ETC	412502	72,604	-	72,604	-	Not covered under any count at sl. no. 14(3) of CERC
56	IMPACT VALUE TESTING MACHINE OF AGGREGATE TESTING EQUIPMENT, MAKE NATIONAL	412502	7,613	-	7,613	-	It exists in "Not Considerable" item list, as per first paragraph of page 51 at sl. no. 14(3) of CERC (Terms & conditions of tariff) regulations, 2014 dated 21/02/2014.
57	Car sterio,	412503	7,990		7,990		ADJUSTMENT
58	Electronic Weighing M/c - 6 KG, least count 1gm.(02/06/2007)	412503	8,755		8,755		ADJUSTMENT
59	TRICYCLE RICKSHAW TROLLY FOR WASTE MANAGEMENT	412503	31,500	-	31,500	-	Not covered under any count at sl. no. 14(3) of CERC
60	WALL SUPPORTING EXTENSION UP TO 36 FT ALUMINUM LADDER STEP 1" DIA (FIRE BRIGADE TYPE)	412503	27,678	-	27,678	-	Not covered under any count at sl. no. 14(3) of CERC
61	REFRIGERATOR SAMSUNG DOUBLE DOOR 253 LTR MODEL RT26FAJSALX	412503	26,400	-	26,400	-	It exists in "Not Considerable" item list, as per first paragraph of page 51 at sl. no. 14(3) of CERC (Terms & conditions of tariff) regulations, 2014 dated 21/02/2014.
62	WATER COOLER FULL STAINLESS STEEL BODY, CAPACITY-150/150 {MAKE:VOLTAS, MODEL:TUSHAR]	412503	49,100	-	49,100	-	Not covered under any count at sl. no. 14(3) of CERC
63	WATER COOLER SIZE 20/20, COOLING CAPACITY 20 LTR AND STORAGE 20 LTR	412503	22,100	-	22,100	-	Not covered under any count at sl. no. 14(3) of CERC
64	LED TV 48 INCH, SAMSUNG, MODEL - UA48H5100	412503	77,000	-	77,000	-	It exists in "Not Considerable" item list, as per first paragraph of page 51 at sl. no. 14(3) of CERC (Terms & conditions of tariff) regulations, 2014 dated 21/02/2014.
65	INDUSTRIAL TORCH HEAVY DUTY	412503	5,902	-	5,902	-	It exists in "Not Considerable" item list, as per first paragraph of page 51 at sl. no. 14(3) of CERC (Terms & conditions of tariff) regulations, 2014 dated 21/02/2014.
66	WELDING SET,PORTABLE INVERTOR BASED RECTIFIER,1-PHASE, CURRENT RANGE UPTO 200 AMP	412503	23,371		23,371		Welding set purchased for performing the Capital, annual and miscelleneous repair work for Hydro-Mechanical gates of Barrage..
67	WALL SUPPORTING ALUMINIUM LADDER SIZE-20	412503	27,678	-	27,678	-	It exists in "Not Considerable" item list, as per first paragraph of page 51 at sl. no. 14(3) of CERC (Terms & conditions of tariff) regulations, 2014 dated 21/02/2014.
68	TWIN CYLINDER TROLLEY (STANDARD SIZE)	412503	14,175	-	14,175	-	Not covered under any count at sl. no. 14(3) of CERC
69	HOT AIR OVEN FROM 50 DEGREE C FROM 250 DEGREE C OF 90 LTRS CAPACITY CONSISTING OF 2 TRAYS.	412503	24,480	-	24,480	-	It exists in "Not Considerable" item list, as per first paragraph of page 51 at sl. no. 14(3) of CERC (Terms & conditions of tariff) regulations, 2014 dated 21/02/2014.
70	PLAN SET TELEPHONE	412801	13,450	-	13,450	-	Not covered under any count at sl. no. 14(3) of CERC
71	Heat Convector for Barrage HM(29.3.2007)	412801	2,637		2,637		ADJUSTMENT
72	Web Camera (21.5.06)	412801	1,249		1,249		ADJUSTMENT
73	WALL SUPPORTING ALUMINIUM LADDER SIZE-10	412801	13,546	-	13,546	-	Not covered under any count at sl. no. 14(3) of CERC

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DSP & ASSOCIATES
FRN 006791N
NEW DELHI
CHARTERED ACCOUNTANTS

Sl. No.	Head of Work / Equipment	Head of account	ACE Claimed under Exclusion				Justification
			Accural basis	Un-discharged Liability included in col.3	Cash basis	IDC included in col.3	
74	NUMERIC 1KVA UPS	412801	20,755	-	20,755	-	Not covered under any count at sl. no. 14(3) of CERC
75	3.75G HSUPA USB ADAPTER MODEM MAKE:D-LINK MODEL: DWM-156	412801	4,000	-	4,000	-	It exists in "Not Considerable" item list, as per first paragraph of page 51 at sl. no. 14(3) of CERC (Terms & conditions of tariff) regulations, 2014 dated 21/02/2014.
76	LINE INTERACTIVE UPS 800 VA	412801	16,250	-	16,250	-	Not covered under any count at sl. no. 14(3) of CERC
77	LINE INTERACTIVE UPS 800 VA	412801	9,750	-	9,750	-	It exists in "Not Considerable" item list, as per first paragraph of page 51 at sl. no. 14(3) of CERC (Terms & conditions of tariff) regulations, 2014 dated 21/02/2014.
78	NOKIA ASHA 502 CE	412801	3,500	-	3,500		IUT Not covered under any count at sl. no. 14(3) of CERC
79	NOKIA ASHA 502 CE	412801	3,500	-	3,500		IUT Not covered under any count at sl. no. 14(3) of CERC
80	Web Camera (13/06/2007)	412801	900		900		ADJUSTMENT
81	Web Camera (13/06/2007)	412801	899		899		ADJUSTMENT
82	Web Camera (21.5.06)	412801	850		850		ADJUSTMENT
83	Pen Drive-Transcend 1GB (1.9.06 & 3.10.06)	412801	1,475		1,475		ADJUSTMENT
84	Heat Convector for Barrage HM(29.3.2007)	412801	1,475		1,475		ADJUSTMENT
85	Ladders 206/202/208 L	412801	1,475		1,475		ADJUSTMENT
86	Heat Convector for Barrage HM(29.3.2007)	412801	850		850		ADJUSTMENT
87	COOLING WATER PUMP, BEACON WEIR MAKE HORIZONTAL SPLIT CASING, MODEL SDC 150/200		389474		389474		ADJUSTMENT (refer item no. 517 of Form-98(i)
	Total		7235031	0	7235031	0	

Note:
1. Exclusions claimed on assets not allowed in Tariff should be supported by the specific reference of Commission Order date, Petition No., amount disallowed, etc..
2. For inter unit transfer, nature of transfer i.e. temporary or permanent should be mentioned. It is to be certified that exclusion sought in receiving station only and not in

For D S P & Associates
Chartered Accountants

For NHPC LTD.

(M G Gokhale)
GM (Comml.)

D S P & ASSOCIATES
FRN.006791N
NEW DELHI
CHARTERED ACCOUNTANTS

FORM-9D

Statement showing items / assets / works claimed under Exclusions

Name of the Petitioner : NHPC Limited
Name of the Generating Station : Tanakpur Power Station
COD : 1-Apr-93

(AMOUNT IN Rs.)

ACTUAL EXPENDITURE (AS PER BOOKS OF ACCOUNTS) DUE TO SITE REQUIREMENT BUT NOT BEING CLAIMED IN TARIFF / KEPT UNDER EXCLUSION CATEGORY

2015-16

Sl. No.	Name of the Assets	Claim/ Exclusion	HEAD OF ACCOUNT	ACE Claimed under Exclusion				Justification
				Accural basis	Un-discharged Liability included in col.3	Cash basis	IDC included in col.3	
1	2			3	4	5=3-4	6	7
1	DISPLAY BOARD SIZE 36X19 FOR 6 PARAMETERS 7SEG LED HT.2 APPRX.	exclusion	411804	72322		72322		
2	VERTICAL TURBINE PUMP,15000LPM DISCHARGE, 26.1 MTR HEAD, KIRLOSKAR, MODEL NO-BHM 25	exclusion	410713	1740000		1740000		
3	CISCO ROUTER 1921 WITH 02 NOS GIGABIT ETHERNET PORTS.	exclusion	411804	29400		29400		
4	CISCO ADD-ON CARD (4 PORTS)	exclusion	411804	19425		19425		
5	UPS 2 KVA ONLINE	exclusion	411804	37275		37275		
6	HIGH PRESSURE RECIPROCATING AIR COMPRESSOR 70BAR 15T2X15	exclusion	410714	375750		375750		
7	WELDING SET, CURRENT RANGE UP 600AMP, 3-PH, 50HZ	exclusion	410714	147900		147900		
8	SURVEY INSTRUMENT AND ACCESSORIES (TOTAL STATION)	exclusion	412502	18,56,083		18,56,083	tfd from kotli bhel	
9	EARTH GROUND CLAMP METER	exclusion	412502	1,29,540		1,29,540		
10	CURRENT TRANSFORMER 132 KV, CTR 300-200/1; CLASS 5P10; BURDEN 30VA	exclusion	410714	1,30,370		1,30,370		
11	DIGITAL EARTH TESTER	exclusion	412502	112710		112710		
12	COMPRESSION TESTING MACHINE - ENKAY MODEL: EKE317E	exclusion	412502	262500		262500		
13	UPS 1000VA, MAKE: NUMERIC, MODEL: DIGITAL 1000 PLUS V	exclusion	412801	96,800		96,800		Not covered under any count at sl. no. 14(3) of CERC
14	EUROCLEAN VACCUM CLEANER (WET AND DRY)	exclusion	411130	41,100		41,100		Not covered under any count at sl. no. 14(3) of CERC
15	VACCUM CLEANER WET AND DRY MAKE-EUREKA FORBES, MODEL - EUROCLEAN-WD	exclusion	411130	13,990		13,990		Not covered under any count at sl. no. 14(3) of CERC
16	GRINDER AG-5	exclusion	411130	2,805		2,805		Not covered under any count at sl. no. 14(3) of CERC
17	CHAIN PIPE WRENCH 1000MM	exclusion	411130	3,867		3,867		It exists in "Not Considerable" item list, as per first paragraph of page 51 at sl. no. 14(3) of CERC (Terms & conditions of tariff) regulations, 2014 dated 21/02/2014.
18	CIRCULAR SAW (184MM BLADE DIA , 1400W)	exclusion	411130	5,335		5,335		It exists in "Not Considerable" item list, as per first paragraph of page 51 at sl. no. 14(3) of CERC (Terms & conditions of tariff) regulations, 2014 dated 21/02/2014.
19	CHAIR PCH-7003	exclusion	411701	3,80,550		3,80,550		It exists in "Not Considerable" item list, as per first paragraph of page 51 at sl. no. 14(3) of CERC (Terms & conditions of tariff) regulations, 2014 dated 21/02/2014.
20	CHAIR PCH. 7002	exclusion	411701	1,31,580		1,31,580		It exists in "Not Considerable" item list, as per first paragraph of page 51 at sl. no. 14(3) of CERC (Terms & conditions of tariff) regulations, 2014 dated 21/02/2014.
21	GODREJ TABLE T8	exclusion	411701	1,08,190		1,08,190		It exists in "Not Considerable" item list, as per first paragraph of page 51 at sl. no. 14(3) of CERC (Terms & conditions of tariff) regulations, 2014 dated 21/02/2014.
22	GODREJ TABLE T9	exclusion	411701	1,70,810		1,70,810		It exists in "Not Considerable" item list, as per first paragraph of page 51 at sl. no. 14(3) of CERC (Terms & conditions of tariff) regulations, 2014 dated 21/02/2014.
23	GODREJ TABLE T-104.	exclusion	411701	63,087		63,087		It exists in "Not Considerable" item list, as per first paragraph of page 51 at sl. no. 14(3) of CERC (Terms & conditions of tariff) regulations, 2014 dated 21/02/2014.
24	BOOK CASE (4 DOOR BOOK CASE), GODREJ	exclusion	411701	46,464		46,464		It exists in "Not Considerable" item list, as per first paragraph of page 51 at sl. no. 14(3) of CERC (Terms & conditions of tariff) regulations, 2014 dated 21/02/2014.
25	PERSONAL COMPUTER (DESKTOP) - MAKE ACER MODEL VERITON M200-H81	exclusion	411801	8,53,556		8,53,556		It exists in "Not Considerable" item list, as per first paragraph of page 51 at sl. no. 14(3) of CERC (Terms & conditions of tariff) regulations, 2014 dated 21/02/2014.
26	HP LASER JET PRINTER, HP M1005	exclusion	411803	13,200		13,200		It exists in "Not Considerable" item list, as per first paragraph of page 51 at sl. no. 14(3) of CERC (Terms & conditions of tariff) regulations, 2014 dated 21/02/2014.
27	HP OFFICE JET 7110 WIDE FORMAT PRINTER (A3 SIZE)	exclusion	411803	19,999		19,999		It exists in "Not Considerable" item list, as per first paragraph of page 51 at sl. no. 14(3) of CERC (Terms & conditions of tariff) regulations, 2014 dated 21/02/2014.

DSP & ASSOCIATES CHARTERED ACCOUNTANTS FRN 005791N NEW DELHI

28	1500 VA INVERTOR SET WITH 2 NOS. 12 V,150 AH BATTERIES AND INVERTOR TROLLY	exclusion	411804	33,488		33,488		Not covered under any count at sl. no. 14(3) of CERC
29	LED MONITOR 15.6" ACER MAKE, P166HQL	exclusion	411804	5,145		5,145		Not covered under any count at sl. no. 14(3) of CERC
30	UPS 500 VA SUPERTECH	exclusion	411804	3		3		Not covered under any count at sl. no. 14(3) of CERC
31	WIRELESS ROUTER DLINK DIR-868L	exclusion	411804	12,012		12,012		Not covered under any count at sl. no. 14(3) of CERC
32	AIR CONDITIONER SPLIT TYP 1.5 TON	exclusion	412008	38,354		38,354		It exists in "Not Considerable" item list, as per first paragraph of page 51 at sl. no. 14(3) of CERC (Terms & conditions of tariff) regulations, 2014 dated 21/02/2014.
33	AIR CONDITIONER SPLIT TYP 1.0 TON Model: SAC123DYA Make: Voltas	exclusion	412008	33,559		33,559		It exists in "Not Considerable" item list, as per first paragraph of page 51 at sl. no. 14(3) of CERC (Terms & conditions of tariff) regulations, 2014 dated 21/02/2014.
34	AIR COOLER	exclusion	412011	1,45,000		1,45,000		Not covered under any count at sl. no. 14(3) of CERC
35	STUDIOMASTER CHAIRMAN UNIT VAK 10C	exclusion	412501	9,750		9,750		Not covered under any count at sl. no. 14(3) of CERC
36	STUDIOMASTER DELEGATE UNIT VAK 10D	exclusion	412501	87,070		87,070		Not covered under any count at sl. no. 14(3) of CERC
37	AMPLIFIER : MIXER PA AMPLIFIER VOX PRIORITY ON CHANNEL ONE, 160 WATT RMS, STUDIO MASTER ARC-120A	exclusion	412501	13,570		13,570		Not covered under any count at sl. no. 14(3) of CERC
38	WALL SPEAKER 3 20 WATT STUDIO MASTER ARC-20	exclusion	412501	16,432		16,432		Not covered under any count at sl. no. 14(3) of CERC
39	STUDIOMASTER CONTROLLER VAK 10S (AUDIO PROCESSING SYSTEM)	exclusion	412501	35,400		35,400		Not covered under any count at sl. no. 14(3) of CERC
40	TRICYCLE RICKSHAW TROLLY FOR WASTE MANAGEMENT	exclusion	412503	31,500		31,500		Not covered under any count at sl. no. 14(3) of CERC
41	Retro Reflection Caution Board	exclusion	412503	10,584		10,584		Not covered under any count at sl. no. 14(3) of CERC
42	BROAD BAND MODEM, TPLINK, D820R	exclusion	412801	1,400		1,400		Not covered under any count at sl. no. 14(3) of CERC
43	SINGLE BED WITH 6'X3'	exclusion	412801	89,694		89,694		Not covered under any count at sl. no. 14(3) of CERC
44	BROADBAND MODEM, D-LINK 2730U	exclusion	412801	4,762		4,762		Not covered under any count at sl. no. 14(3) of CERC
45	GIGABIT SWITCH 8 PORT, DGS-1008A : D-LINK	exclusion	412801	10,600		10,600		Not covered under any count at sl. no. 14(3) of CERC
46	FIXED WIRELESS PHONE (GSM),MAKE:BEETEL,MODEL: FWP F1	exclusion	412801	11,200		11,200		Not covered under any count at sl. no. 14(3) of CERC
47	MOBILE SET SAMSUNG MAKE MODEL NO. GURU 1207	exclusion	412801	1,330		1,330		Not covered under any count at sl. no. 14(3) of CERC
48	3G USB MODEM MICROMAX MMX 210G	exclusion	412801	3,939		3,939		Not covered under any count at sl. no. 14(3) of CERC
49	DIGITAL MULTIMETER (HAND HELD)DISPLAY: 3-1/2 DIGIT	exclusion	412502	1,53,000		1,53,000		Digital Multi-meter was required for day to day maintenance of protection and control system of power House and switchyard complex.
50	TRUE RMS DIGITAL CLAMP METER AC/DC 0-600 V, AC/DC CURRENT UP TO 1000 AMP	exclusion	412502	28,560		28,560		Digital Clamp Meter was required for day to day maintenance of protection and control system of power House and switchyard complex.
	Total			76,40,960		75,88,038	0	

For NHPC LTD.

For D S P & Associates
Chartered Accountants

(M G Gokhale)
GM (Comml.)

FORM 9D

Year wise Statement of Additional Capitalisation after COD
FY - 2016-17

Statement showing items / assets / works claimed under Exclusions

Name of the Petitioner : NHPC Limited

Name of the Generating Station : Tanakpur Power Station

COD : 01-04-1993

(AMOUNT IN RS.)

2016-17

ACE Claimed under Exclusion

Sl. No.	Head of Work / Equipment		A/c head	Accural basis	Un-discharged Liability included in col.3	Cash basis	IDC included in col.3		Justification
1	2			3	4	5=3-4	6	7	
1	HS LUBRICATION SYSTEM COMPLETE UNIT FOR 40 MW KAPLAN TURBINE, BHEL DRAWING NO. 02550529014#34		410701	21,22,875		21,22,875			**Existing System:** One no. HS lubrication system is installed for operation of each unit. **Necessity of incurring expenditure:** HS lubrication systems installed in the units are in operation/ service since commisioning of Power station during 1992-93 i.e giving service for more than 25 years and was covered their life, to meet any breakdown of existing HS lubrication systems. **Impact on Efficiency/performance:** It is essential for the performance and efficiency of the unit for making oil film during starting and stopping of the unit.
2	DIGITAL DISPLAY BOARD 65, SAMSUNG/65JU6470	exclusion	410711	349000		349000			Not covered under any count at sl. no. 14(3) of CERC
3	SQUIRREL CAGE INDUCTION MOTOR 150 HP, 415V		410712	3,31,500		3,31,500			one no motor kept as spare
4	DIGITAL READ OUT UNIT FOR STRAIN GAUGE	exclusion	410713	84375		84375			Not covered under any count at sl. no. 14(3) of CERC
5	MAGNETIC DRILL MACHINE WITH STAND AND ACCESSORY - Make-BOSCH, Model-GBM 32-4+ GMB 32	exclusion	410713	175440		175440			Not covered under any count at sl. no. 14(3) of CERC
6	PILLAR TYPE DRILL MACHINE WITH ACCESSORY - MAKE-SKP, MODEL 25 SPR	exclusion	410713	115260		115260			Not covered under any count at sl. no. 14(3) of CERC
7	GUIDE VANE WITH LEVER,STRAP,COVER PLATE & SPLIT DOWEL(BHEL DRG NO.02030119001,ITEM NO.7,16,20,21,27)	exclusion	410714	8721000		87,21,000			**Existing Arrangement** 24 nos. of guide vanes are installed in each unit and are the parts of water and load regulation system. **Necessity for Incurring Expenditure:** Guide vanes of unit#1 &2 fitted in the unit are in operation / service since commissioning of power station during 1992-93. i.e. giving service for more than 25 years and were covered their life and 03 guide vanes are replaced in Unit#1 and 02 guide vanes are replaced during the capital maintenance of Unit # 2. Gross Value of Old Asset: Acquisition cost: The item was a part of E&M package commissioned in year 1993. However no seperate cost of the item is available at the power station. **Impact on Efficiency/Performance:** It is to avoid water loss in close condition of guide vanes and for efficient water control and hence poweer during running of the machine.
8	WOUND ROTOR POLE ASSY., 1-253-02-29104	exclusion	410714	19507500	27/07/2016	1,95,07,500			Necessity for incurring Expenditure: **New Purchased as spare** to meet out the requirement due to frequent dovelopment of rotor earth faults in generating units. Old Poles had been installed in Generating Units were in operation since commissioning i.e. for more that 20 years.
9	WATER DISTILLATION UNIT - MAKE-BIONICSMODEL-BST-WDG/3S	exclusion	411115	23715		23715			Not covered under any count at sl. no. 14(3) of CERC
10	VOLTAGE STABLISER 5.0 KVA, 230 VOLT - SUPER UNIQUE	exclusion	411130	27500		27500			Not covered under any count at sl. no. 14(3) of CERC
11	VOLTAGE STABLISER, 4KVA, 230 VOLT - SUPER UNIQUE	exclusion	411130	34000		34000			Not covered under any count at sl. no. 14(3) of CERC
12	CHAIR KAREENA 9P01A	exclusion	411701	317284		317284			Not covered under any count at sl. no. 14(3) of CERC
13	EXECUTIVE REVOLVING CHAIR GEEKEN-404	exclusion	411701	72640		72640			Not covered under any count at sl. no. 14(3) of CERC
14	EXECUTIVE TABLE WITH BOTH SIDE DRAWERS UNITS (03 AND 02 NOS DRAWERS) (1365X680X735)-GEEKEN-BDC	exclusion	411701	140967		140967			Not covered under any count at sl. no. 14(3) of CERC
15	EXECUTIVE TABLE WITH ONE SIDE 03 NOS. DRAWERS (DIMENSIONS: 1199X590X735) GEEKEN-DC	exclusion	411701	80703		80703			Not covered under any count at sl. no. 14(3) of CERC
16	FU9N01AX069SLNBD- MONARCH HIGH BACK CHAIR	exclusion	411701	28287		28287			Not covered under any count at sl. no. 14(3) of CERC
17	FU9N01AX069SLNBD- MONARCH HIGH BACK CHAIR	exclusion	411701	1000		1000			Not covered under any count at sl. no. 14(3) of CERC
18	GODREJ NUMERO UNO MOBILE PEDESTAL	exclusion	411701	72783		72783			Not covered under any count at sl. no. 14(3) of CERC
19	GODREJ NUMERO UNO MOBILE PEDESTAL	exclusion	411701	1000		1000			Not covered under any count at sl. no. 14(3) of CERC
20	LAPTOP (COMPUTER) - LENOVO E- 460 (20EUA02CIG)	exclusion	411801	56385		56385			Not covered under any count at sl. no. 14(3) of CERC
21	PERSONAL COMPUTER (DESKTOP) - ACER/ VARITRON	exclusion	411801	1199070		1199070			Not covered under any count at sl. no. 14(3) of CERC
22	HP LASER JET PRINTER, HP M1005	exclusion	411803	13199		13199			Not covered under any count at sl. no. 14(3) of CERC
23	HP LASER JET PRINTER, HP M1005	exclusion	411803	13199		13199			Not covered under any count at sl. no. 14(3) of CERC
24	HP LASER JET PRINTER, HP M1005	exclusion	411803	13199		13199			Not covered under any count at sl. no. 14(3) of CERC
25	LASER PRINTER, HPN LASERJET PRO 1020 MONOCHROME	exclusion	411803	25290		25290			Not covered under any count at sl. no. 14(3) of CERC

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Sl. No.	Head of Work / Equipment		A/c head	Accural basis	Un-discharged Liability Included in col.3	Cash basis	IDC Included in col.3		Justification
1	2			3	4	5=3-4	6	7	
26	LASER PRINTER, HPN LASERJET PRO 1020 MONOCHROME	exclusion	411803	134880		134880			Not covered under any count at sl. no. 14(3) of CERC
27	LASER PRINTER, HPN LASERJET PRO 1020 MONOCHROME	exclusion	411803	109590		109590			Not covered under any count at sl. no. 14(3) of CERC
28	1000 MBPS OFC MODULE	exclusion	411804	31280		31280			Not covered under any count at sl. no. 14(3) of CERC
29	24 PORT SWITCH WITHOUT ROUTING - D-LINK/ 888 DGS-3120-24TC/INEI	exclusion	411804	600		600			Not covered under any count at sl. no. 14(3) of CERC
30	24 PORT SWITCH WITHOUT ROUTING - D-LINK/ 888 DGS-3120-24TC/INEI	exclusion	411804	28043		28043			Not covered under any count at sl. no. 14(3) of CERC
31	24 PORT SWITCH WITHOUT ROUTING - D-LINK/ 888 DGS-3120-24TC/INEI	exclusion	411804	600		600			Not covered under any count at sl. no. 14(3) of CERC
32	24 PORT SWITCH WITHOUT ROUTING - D-LINK/ 888 DGS-3120-24TC/INEI	exclusion	411804	28043		28043			Not covered under any count at sl. no. 14(3) of CERC
33	24 PORT SWITCH WITHOUT ROUTING - D-LINK/ 888 DGS-3120-24TC/INEI	exclusion	411804	600		600			Not covered under any count at sl. no. 14(3) of CERC
34	24 PORT SWITCH WITHOUT ROUTING - D-LINK/ 888 DGS-3120-24TC/INEI	exclusion	411804	28043		28043			Not covered under any count at sl. no. 14(3) of CERC
35	24 PORT SWITCH WITHOUT ROUTING - D-LINK/ 888 DGS-3120-24TC/INEI	exclusion	411804	600		600			Not covered under any count at sl. no. 14(3) of CERC
36	24 PORT SWITCH WITHOUT ROUTING - D-LINK/ 888 DGS-3120-24TC/INEI	exclusion	411804	28043		28043			Not covered under any count at sl. no. 14(3) of CERC
37	24 PORT SWITCH WITHOUT ROUTING - D-LINK/ 888 DGS-3120-24TC/INEI	exclusion	411804	600		600			Not covered under any count at sl. no. 14(3) of CERC
38	24 PORT SWITCH WITHOUT ROUTING - D-LINK/ 888 DGS-3120-24TC/INEI	exclusion	411804	28043		28043			Not covered under any count at sl. no. 14(3) of CERC
39	24 PORT SWITCH WITHOUT ROUTING - D-LINK/ 888 DGS-3120-24TC/INEI	exclusion	411804	600		600			Not covered under any count at sl. no. 14(3) of CERC
40	24 PORT SWITCH WITHOUT ROUTING - D-LINK/ 888 DGS-3120-24TC/INEI	exclusion	411804	28043		28043			Not covered under any count at sl. no. 14(3) of CERC
41	48 PORT MANAGE LAN SWITCH WITH MINIMUM 02 FIBER SLOT - D-LINK DGS-3120-48TC/INEI	exclusion	411804	600		600			Not covered under any count at sl. no. 14(3) of CERC
42	48 PORT MANAGE LAN SWITCH WITH MINIMUM 02 FIBER SLOT - D-LINK DGS-3120-48TC/INEI	exclusion	411804	72264		72264			Not covered under any count at sl. no. 14(3) of CERC
43	48 PORT MANAGE LAN SWITCH WITH MINIMUM 02 FIBER SLOT - D-LINK DGS-3120-48TC/INEI	exclusion	411804	600		600			Not covered under any count at sl. no. 14(3) of CERC
44	48 PORT MANAGE LAN SWITCH WITH MINIMUM 02 FIBER SLOT - D-LINK DGS-3120-48TC/INEI	exclusion	411804	72264		72264			Not covered under any count at sl. no. 14(3) of CERC
45	48 PORT MANAGE LAN SWITCH WITH MINIMUM 02 FIBER SLOT - D-LINK DGS-3120-48TC/INEI	exclusion	411804	600		600			Not covered under any count at sl. no. 14(3) of CERC
46	48 PORT MANAGE LAN SWITCH WITH MINIMUM 02 FIBER SLOT - D-LINK DGS-3120-48TC/INEI	exclusion	411804	72264		72264			Not covered under any count at sl. no. 14(3) of CERC
47	BIOMETRIC READER - RBH/ RBH-BFR-300 SERIES	exclusion	411804	775656		775656			Not covered under any count at sl. no. 14(3) of CERC
48	DATA CAPURE UTILITY FOR BIOMETRIC FINGER PRINT READER, BIO-LYNX /STAR LINK	exclusion	411804	16968		16968			Not covered under any count at sl. no. 14(3) of CERC
49	SITC OF SQL BASED TIME ATTENDANCE, FINGER ENROLLMENT SOFTWARE WITH 5 USERS - RBH/ RBH-AXIOM PROSOFT	exclusion	411804	79275		79275			Not covered under any count at sl. no. 14(3) of CERC
50	WORKSTATION, HP Z230 MT		411804	179025		179025		Not Claimable	Not covered under any count at sl. no. 14(3) of CERC
51	Mobile Hand Set Moto G 3rd Generation (Black 16 GB)	exclusion	411902	10099		10099			Not covered under any count at sl. no. 14(3) of CERC
52	KENT ELITE -I (R/O) WATER PURIFIER-25 LTRS /HOUR PURIFICATION	exclusion	412001	29500		29500			Not covered under any count at sl. no. 14(3) of CERC
53	KENT ELITE -I (R/O) WATER PURIFIER-25 LTRS /HOUR PURIFICATION	exclusion	412001	29500		29500			Not covered under any count at sl. no. 14(3) of CERC
54	KENT ELITE -I (R/O) WATER PURIFIER-25 LTRS /HOUR PURIFICATION	exclusion	412001	29500		29500			Not covered under any count at sl. no. 14(3) of CERC
55	KENT ELITE -I (R/O) WATER PURIFIER-25 LTRS /HOUR PURIFICATION	exclusion	412001	29500		29500			Not covered under any count at sl. no. 14(3) of CERC
56	RO PURIFIER,MAKE-AQUAFRESH RO, MODEL NO-AQ50LPH	exclusion	412001	45000		45000			Not covered under any count at sl. no. 14(3) of CERC
57	RO PURIFIER,MAKE-AQUAFRESH RO, MODEL NO-AQ50LPH	exclusion	412001	45000		45000			Not covered under any count at sl. no. 14(3) of CERC
58	WATER COOLER WITH STORAGE 80 LTS AND COOLING 60 LTS./HR.	exclusion	412001	36500		36500			Not covered under any count at sl. no. 14(3) of CERC
59	WATER COOLER WITH STORAGE 80 LTS AND COOLING 60 LTS./HR.	exclusion	412001	36500		36500			Not covered under any count at sl. no. 14(3) of CERC
60	WATER COOLER WITH STORAGE 80 LTS AND COOLING 60 LTS./HR.	exclusion	412001	36500		36500			Not covered under any count at sl. no. 14(3) of CERC
61	OPHTALMOSCOPE FIBRE OPTIC, WITH 2.5 V BATTERY HANDLE - HEINE BETA 200S	exclusion	412005	21525		21525			Not covered under any count at sl. no. 14(3) of CERC
62	OTOSCOPE FIBRE OPTIC, WITH 2.5 V BATTERY HANDLE - HEINE BETA 400	exclusion	412005	14175		14175			Not covered under any count at sl. no. 14(3) of CERC
63	SPHYGMOMANOMETER - PORTABLE, NON MERCURIAL, LARGE DIAMETER SCALE 56MM - HEINE GAMMA G7	exclusion	412005	5775		5775			Not covered under any count at sl. no. 14(3) of CERC
64	SPHYGMOMANOMETER - PORTABLE, NON MERCURIAL, LARGE DIAMETER SCALE 56MM - HEINE GAMMA G7	exclusion	412005	5775		5775			Not covered under any count at sl. no. 14(3) of CERC

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DSP & ASSOCIATES FRN 006791N NEW DELHI CHARTERED ACCOUNTANTS

Sl. No.	Head of Work / Equipment		A/c head	Accural basis	Un-discharged Liability included in col.3	Cash basis	IDC included in col.3		Justification
1	2			3	4	5=3-4	6	7	
65	SPHYGMOMANOMETER - WALL / TABLE, NON MERCURIAL, LARGE DIAMETER SCALE 130MM - HEINE GAMMA XXL LF	exclusion	412005	8925		8925			Not covered under any count at sl. no. 14(3) of CERC
66	SPHYGMOMANOMETER - WALL / TABLE, NON MERCURIAL, LARGE DIAMETER SCALE 130MM - HEINE GAMMA XXL LF	exclusion	412005	8925		8925			Not covered under any count at sl. no. 14(3) of CERC
67	STETHOSCOPE LITTMANN CLASSIC - III - LITTMANN CLASSIC - III	exclusion	412005	6825		6825			Not covered under any count at sl. no. 14(3) of CERC
68	STETHOSCOPE LITTMANN CLASSIC - III - LITTMANN CLASSIC - III	exclusion	412005	6825		6825			Not covered under any count at sl. no. 14(3) of CERC
69	AIR CONDITIONER SPLIT TYP 1.5 TON	exclusion	412008	42450		42450			Not covered under any count at sl. no. 14(3) of CERC
70	AIR CONDITIONER SPLIT TYP 1.5 TON	exclusion	412008	42450		42450			Not covered under any count at sl. no. 14(3) of CERC
71	AIR CONDITIONER SPLIT TYP 1.5 TON	exclusion	412008	42450		42450			Not covered under any count at sl. no. 14(3) of CERC
72	AIR CONDITIONER SPLIT TYPE 1.5 TON(5 STAR) ALONG WITH ACCESSORY	exclusion	412008	380400		380400			Not covered under any count at sl. no. 14(3) of CERC
73	AIR CONDTIONER 2 TON CAPACITY SPLIT TYPE(5 STAR) CARRIER DURAEDGE, MODEL-CAC524DE5R5, ALONG WITH ACC	exclusion	412008	506000		506000			Not covered under any count at sl. no. 14(3) of CERC
74	STABLISER FOR AIR CONDITIONER, 4KVA, 230 VOLT	exclusion	412008	5490		5490			Not covered under any count at sl. no. 14(3) of CERC
75	STABLISER FOR AIR CONDITIONER, 4KVA, 230 VOLT	exclusion	412008	5490		5490			Not covered under any count at sl. no. 14(3) of CERC
76	STABLISER FOR AIR CONDITIONER, 4KVA, 230 VOLT	exclusion	412008	5490		5490			Not covered under any count at sl. no. 14(3) of CERC
77	WINDOW TYPE AIR CONDITIONER 1.5 TON (5 STAR)	exclusion	412008	127500		127500			Not covered under any count at sl. no. 14(3) of CERC
78	ELECTRONIC BALANCE 15 KG, CITIZEN, CTG15	exclusion	412502	11970		11970			Not covered under any count at sl. no. 14(3) of CERC
79	CCTV CAMERA OUT DOOR. (NIGHT VISION) 1. MEGAPIXEL HD CAMERA, HIKVISION, MODEL DS-2CE16COT-IRP	exclusion	412503	2233		2233			Not covered under any count at sl. no. 14(3) of CERC
80	CCTV CAMERA OUT DOOR. (NIGHT VISION) 1. MEGAPIXEL HD CAMERA, HIKVISION, MODEL DS-2CE16COT-IRP	exclusion	412503	2233		2233			Not covered under any count at sl. no. 14(3) of CERC
81	CCTV CAMERA OUT DOOR. (NIGHT VISION) 1. MEGAPIXEL HD CAMERA, HIKVISION, MODEL DS-2CE16COT-IRP	exclusion	412503	2233		2233			Not covered under any count at sl. no. 14(3) of CERC
82	CCTV CAMERA OUT DOOR. (NIGHT VISION) 1. MEGAPIXEL HD CAMERA, HIKVISION, MODEL DS-2CE16COT-IRP	exclusion	412503	2233		2233			Not covered under any count at sl. no. 14(3) of CERC
83	DRILL MACHINE HEAVY DUTY,ROTARY HAMMER MODEL NO. GBH 2-26DRE-BOSCH MAKE		412503	14098		14098			Not covered under any count at sl. no. 14(3) of CERC
84	KENWOOD MAKE VHF TK-2207, 5W HAND HELD SET WITH KNB-29N,1500MAH NI-MH BATT,KSC-31CHARGER & ACCESS.	exclusion	412503	176256		176256			Not covered under any count at sl. no. 14(3) of CERC
85	LIFE JACKET FOR ADULTS (APPROVED BY THE MERCANTILE MARINE DEPARTMENT)	exclusion	412503	29400		29400			Not covered under any count at sl. no. 14(3) of CERC
86	AUTOCLAVE ELECTRIC STAINLESS STEEL 12X12	exclusion	412801	4351		4351			Not covered under any count at sl. no. 14(3) of CERC
87	BOOK CASE	exclusion	412801	1		1			Not covered under any count at sl. no. 14(3) of CERC
88	BOOK CASE	exclusion	412801	1		1			Not covered under any count at sl. no. 14(3) of CERC
89	CEILING FAN AC 1200 MM WITH CAPACITOR, DOUBLE BALL BEARING, RESISTANCE TYPE REGULATOR,IS: 374-1979	exclusion	412801	16150		16150			Not covered under any count at sl. no. 14(3) of CERC
90	CIELING FAN 56	exclusion	412801	1703		1703			Not covered under any count at sl. no. 14(3) of CERC
91	CIELING FAN 56	exclusion	412801	1703		1703			Not covered under any count at sl. no. 14(3) of CERC
92	CIELING FAN 56	exclusion	412801	1703		1703			Not covered under any count at sl. no. 14(3) of CERC
93	CIELING FAN 56	exclusion	412801	1703		1703			Not covered under any count at sl. no. 14(3) of CERC
94	CIELING FAN 56	exclusion	412801	1703		1703			Not covered under any count at sl. no. 14(3) of CERC
95	COMPUTER CHAIR GEEKEN-734	exclusion	412801	4340		4340			Not covered under any count at sl. no. 14(3) of CERC
96	COMPUTER CHAIR GEEKEN-734	exclusion	412801	4340		4340			Not covered under any count at sl. no. 14(3) of CERC
97	COMPUTER CHAIR GEEKEN-734	exclusion	412801	4340		4340			Not covered under any count at sl. no. 14(3) of CERC
98	EXHAUST FAN LIGHT DUTY 300 MM	exclusion	412801	15336		15336			Not covered under any count at sl. no. 14(3) of CERC
99	FLATBED SCANNER, MAKE - CANON, MODEL - LIDE 120, SIZE A4	exclusion	412801	4300		4300			Not covered under any count at sl. no. 14(3) of CERC
100	FLATBED SCANNER, MAKE - CANON, MODEL - LIDE 120, SIZE A4	exclusion	412801	4300		4300			Not covered under any count at sl. no. 14(3) of CERC
101	FLATBED SCANNER, MAKE - CANON, MODEL - LIDE 120, SIZE A4	exclusion	412801	4300		4300			Not covered under any count at sl. no. 14(3) of CERC
102	FLATBED SCANNER, MAKE - CANON, MODEL - LIDE 120, SIZE A4	exclusion	412801	4300		4300			Not covered under any count at sl. no. 14(3) of CERC
103	FLATBED SCANNER, MAKE - CANON, MODEL - LIDE 120, SIZE A4	exclusion	412801	4300		4300			Not covered under any count at sl. no. 14(3) of CERC

ASSOCIATES CHARTERED ACCOUNTANTS FRN 006791N NEW DELHI

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Sl. No.	Head of Work / Equipment		A/c head	Accural basis	Un-discharged Liability included in col.3	Cash basis	IDC included in col.3		Justification
1	2			3	4	5=3-4	6	7	
104	INTEX MOBILE PHONE	exclusion	412801	3500		3500			Not covered under any count at sl. no. 14(3) of CERC
105	Oxyzen Gas Cylinder Co2	exclusion	412801	1		1			Not covered under any count at sl. no. 14(3) of CERC
106	Oxyzen Gas Cylinder Co2	exclusion	412801	1		1			Not covered under any count at sl. no. 14(3) of CERC
107	Oxyzen Gas Cylinder Co2	exclusion	412801	1		1			Not covered under any count at sl. no. 14(3) of CERC
108	Oxyzen Gas Cylinder Co2	exclusion	412801	1		1			Not covered under any count at sl. no. 14(3) of CERC
109	PEDESTAL FAN 400 MM SWEEP	exclusion	412801	2554		2554			Not covered under any count at sl. no. 14(3) of CERC
110	PEDESTAL FAN 400 MM SWEEP	exclusion	412801	2554		2554			Not covered under any count at sl. no. 14(3) of CERC
111	PEDESTAL FAN 400 MM SWEEP	exclusion	412801	2554		2554			Not covered under any count at sl. no. 14(3) of CERC
112	PEDESTAL FAN 400 MM SWEEP	exclusion	412801	2554		2554			Not covered under any count at sl. no. 14(3) of CERC
113	PEDESTAL FAN 400 MM SWEEP	exclusion	412801	2554		2554			Not covered under any count at sl. no. 14(3) of CERC
114	PEDESTAL FAN 400 MM SWEEP	exclusion	412801	2554		2554			Not covered under any count at sl. no. 14(3) of CERC
115	PEDESTAL FAN 400 MM SWEEP	exclusion	412801	2554		2554			Not covered under any count at sl. no. 14(3) of CERC
116	PEDESTAL FAN 400 MM SWEEP	exclusion	412801	2554		2554			Not covered under any count at sl. no. 14(3) of CERC
117	PLAN SET TELEPHONE	exclusion	412801	2576		2576			Not covered under any count at sl. no. 14(3) of CERC
118	PLAN SET TELEPHONE	exclusion	412801	2576		2576			Not covered under any count at sl. no. 14(3) of CERC
119	PLAN SET TELEPHONE	exclusion	412801	2576		2576			Not covered under any count at sl. no. 14(3) of CERC
120	PLAN SET TELEPHONE	exclusion	412801	2576		2576			Not covered under any count at sl. no. 14(3) of CERC
121	PLAN SET TELEPHONE	exclusion	412801	2576		2576			Not covered under any count at sl. no. 14(3) of CERC
122	POWER SUPPLY UNIT ALONG WITH BATTERY BACK UP TO 2 HOURS, RBH/ RBH-REM-PSU	exclusion	412801	33396		33396			Not covered under any count at sl. no. 14(3) of CERC
123	REVOLVING CHAIR ORDINARY GEEKEN-411	exclusion	412801	4636		4636			Not covered under any count at sl. no. 14(3) of CERC
124	REVOLVING CHAIR ORDINARY GEEKEN-411	exclusion	412801	4636		4636			Not covered under any count at sl. no. 14(3) of CERC
125	REVOLVING CHAIR ORDINARY GEEKEN-411	exclusion	412801	4636		4636			Not covered under any count at sl. no. 14(3) of CERC
126	REVOLVING CHAIR ORDINARY GEEKEN-411	exclusion	412801	55632		55632			Not covered under any count at sl. no. 14(3) of CERC
127	SET-TOP-BOX(DIGITAL CABLE RECIEVER)-ABPL	exclusion	412801	20800		20800			Not covered under any count at sl. no. 14(3) of CERC
128	SET-TOP-BOX(DIGITAL CABLE RECIEVER)-ABPL	exclusion	412801	27200		27200			Not covered under any count at sl. no. 14(3) of CERC
129	UPS 1000VA, MAKE: NUMERIC, MODEL: DIGITAL 1000 PLUS V	exclusion	412801	110700		110700			Not covered under any count at sl. no. 14(3) of CERC
130	USB MODEM 3G D-LINK DWP-157	exclusion	412801	1675		1675			Not covered under any count at sl. no. 14(3) of CERC
131	VHF WIRELESS MICROPHONES AWM-490V2	exclusion	412801	3450		3450			Not covered under any count at sl. no. 14(3) of CERC
132	VHF WIRELESS MICROPHONES AWM-490V2	exclusion	412801	3450		3450			Not covered under any count at sl. no. 14(3) of CERC
133	WALL FAN 400 MM SWEEP	exclusion	412801	22130		22130			Not covered under any count at sl. no. 14(3) of CERC
134	WEB CAMERA I-BALL ROBO K20	exclusion	412801	1275		1275			Not covered under any count at sl. no. 14(3) of CERC
	IUT								
199	Microsoft Office Std 2016 SNGL OLP C (35 nos.)	IUT	412201	642950				Form Corporate Office	
200	Symantec Antivirus Solution for Mobile/Tablet/ for 3 years	IUT	412201	2215					
			TOTAL	3,81,03,491		3,74,58,326			

Note:
1. Exclusions claimed on assets not allowed in Tariff should be supported by the specific reference of Commission Order date, Petition No., amount disallowed, etc..
2. For inter unit transfer, nature of transfer i.e. temporary or permanent should be mentioned. It is to be certified that exclusion sought in receiving station only and not in sending station or in both the station.

For D S P & Associates
Chartered Accountants

For NHPC LTD.

(M G Gokhale)
GM (Commi.)

DSP & ASSOCIATES CHARTERED ACCOUNTANTS FRN: 003791N NEW DELHI

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FORM-9D

Statement showing items / assets / works claimed under Exclusions

Name of the Petitioner : NHPC Limited
Name of the Generating Station : Tanakpur Power Station
COD : 1-Apr-93

(AMOUNT IN RS.)

2017-18								
				ACE Claimed under Exclusion				
Sl. No.	Head of Work / Equipment	exclusion/replacement	HEAD OF ACCOUNT	Accural basis	Un-discharged Liability included in col.3	Cash basis	IDC included in col.3	Justification
1	2			3	4	5=3-4	6	7
1	PUG CUTTING MACHINE PORTABLE - MAKE-ESAB, MODEL--ESAB PUG NM CUTTING MACHINE		410713	40396		40396		
2	PUG CUTTING MACHINE PORTABLE - MAKE-ESAB, MODEL--ESAB PUG NM CUTTING MACHINE		410713	40396		40396		
3	GUIDE VANE WITH LEVER,STRAP,COVER PLATE & SPLIT DOWEL(BHEL DRG NO.02030119001,ITEM NO.7,16,20,21,27)		410714	38468000		38468000		
4	AIR PLASMA CUTTING M/C EQUIPPED WITH SUITABLE CUTTING TORCH & COMPLETE ACCES.- ESAB, CUTMASTER 100		410713	367808		367808		
5	MECHANICAL PULLER, CAPACITY 20 TON, NO. OF JAW 3		410713	35123		35123		
6	MECHANICAL PULLER, CAPACITY 30 TON, NO. OF JAW 3		410713	87296		87296		
7	CONVENTIONAL JACK, 15TON, STROKE MINIMUM 150MM		410713	169252		169252		
8	HYDRAULIC JACK CAPACITY-50 TON WITH PUMP AND ACCESORIES		410713	248804		248804		
9	HYDRAULIC ALUMINIUM JACK 50 TON WITH PUMP AND ACCESSORIES		410713	413256		413256		
10	HYDRAULIC JACK CAPACITY-10 TON WITH PUMP AND ACCESORIES		410713	76125		76125		
11	HYDRAULIC LOCK NUT JACK 100 TON WITH PUMP AND ACCESSORIES		410713	233766		233766		
12	HYDRAULIC PULLER, CAPACITY 15 TON		410713	244789		244789		
13	ROTARY HAMMER, DRILL MACHINE UPTO 22 MM, MODEL NO. GBH2-22E-BOSCH MAKE	exclusion	410713	14608		14608		Not covered under any count at sl. no. 14(3) of CERC
14	WELDING SET, CURRENT RANGE UP 600AMP, 3-PH, 50HZ	exclusion	410714	56948		56948		Not covered under any count at sl. no. 14(3) of CERC
15	WELDING SET, CURRENT RANGE UP 600AMP, 3-PH, 50HZ	exclusion	410714	56948		56948		Not covered under any count at sl. no. 14(3) of CERC
16	7.5 HP, 950 RPM INDUCTION MOTOR WITH EM BRAKE	exclusion	411112	70278		70278		Not covered under any count at sl. no. 14(3) of CERC
17	VACCUM CLEANER WET AND DRY MAKE-EUREKA FORBES, MODEL - EUROCLEAN-WD	exclusion	411130	14200		14200		Not covered under any count at sl. no. 14(3) of CERC
18	VACCUM CLEANER WET AND DRY MAKE-EUREKA FORBES, MODEL - EUROCLEAN-WD	exclusion	411130	14200		14200		Not covered under any count at sl. no. 14(3) of CERC
19	CENTRE TABLE CHINAR WOODEN	exclusion	411701	25000		25000		IUT
20	2TB EXTERNAL HDD	exclusion	411801	6490		6490		
21	2TB EXTERNAL HDD	exclusion	411801	6490		6490		
22	4 TB SURVEILLANCE HARD DISK	exclusion	411801	10443		10443		
23	4 TB SURVEILLANCE HARD DISK	exclusion	411801	10443		10443		
24	4 TB SURVEILLANCE HARD DISK	exclusion	411801	10443		10443		

DSP ASSOCIATES FRN 006791N NEW DELHI CHARTERED ACCOUNTANTS

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Sl. No.	Head of Work / Equipment	exclusion/replacement	HEAD OF ACCOUNT	ACE Claimed under Exclusion				Justification
				Accural basis	Un-discharged Liability included in col.3	Cash basis	IDC included in col.3	
1	2			3	4	5=3-4	6	7
25	4 TB SURVEILLANCE HARD DISK	exclusion	411801	10443		10443		
26	SERVER(OS-WINDOW SERVER 2012,XEON PROCESSOR 32GB RAM,3 TB HDD,RAID 5) - HPE DL180 GEN 9 E 5-2620 V4	exclusion	411801	383250		383250		Not covered under any count at sl. no. 14(3) of CERC
27	LAPTOP DELL INS 5559 (Y566505HIN9)I5-6200U/4/1TB/WIN10/WHT GLOSS/15.6" 5BQ1K72	exclusion	411801	40000		40000		IUT
28	LAPTOP ACCER TRAVELMATE P243M	exclusion	411801	48162		48162		IUT
29	DIGITAL PHOTOCOPIER CUM PRINTER (SIZE A3) , SHARP/ AR-6026N	exclusion	411902	86835		86835		
30	DIGITAL PHOTOCOPIER CUM PRINTER (SIZE A3) , SHARP/ AR-6026N	exclusion	411902	86835		86835		
31	DIGITAL HEAMOGLOBINO METER	exclusion	412005	8653		8653		
32	OXYGEN CYLINDER FOR AMBULANCE PURPOSE	exclusion	412005	5664		5664		
33	OXYGEN CYLINDER FOR AMBULANCE PURPOSE	exclusion	412005	5664		5664		
34	ELECTRIC OPERATED PLASTER CUTTER	exclusion	412005	9520		9520		
35	BATTERY OPERATED SUCTION MACHINE	exclusion	412005	13832		13832		
36	AIR CONDITIONER SPLIT TYP 1.5 TON	exclusion	412008	42450		42450		Not covered under any count at sl. no. 14(3) of CERC
37	AIR CONDITIONER SPLIT TYP 1.5 TON	exclusion	412008	42450		42450		Not covered under any count at sl. no. 14(3) of CERC
38	AIR CONDITIONER SPLIT TYP 1.5 TON	exclusion	412008	42450		42450		Not covered under any count at sl. no. 14(3) of CERC
39	HITACHI WINDOW AC - 1TR KAZE PLUS (3 STAR) 312 KXDAI	exclusion	412008	22000		22000		Not covered under any count at sl. no. 14(3) of CERC
40	STABLISER FOR AIR CONDITIONER, 4KVA, 230 VOLT	exclusion	412008	5490		5490		Not covered under any count at sl. no. 14(3) of CERC
41	STABLISER FOR AIR CONDITIONER, 4KVA, 230 VOLT	exclusion	412008	5490		5490		Not covered under any count at sl. no. 14(3) of CERC
42	STABLISER FOR AIR CONDITIONER, 4KVA, 230 VOLT	exclusion	412008	5490		5490		Not covered under any count at sl. no. 14(3) of CERC
43	WATER COOLER 120 LTR	exclusion	412011	42500		42500		Not covered under any count at sl. no. 14(3) of CERC
44	WATER COOLER 120 LTR	exclusion	412011	42500		42500		Not covered under any count at sl. no. 14(3) of CERC
45	WATER PERIFIER AQUAGUARD TOTAL PROTEC+RO&UV	exclusion	412011	27990		27990		Not covered under any count at sl. no. 14(3) of CERC
46	AQUAGUARD REVIVA RO DOMESTIC WITH 8 LTR STORAGE	exclusion	412011	16200		16200		Not covered under any count at sl. no. 14(3) of CERC
47	AQUAGUARD REVIVA RO DOMESTIC WITH 8 LTR STORAGE	exclusion	412011	16200		16200		Not covered under any count at sl. no. 14(3) of CERC
48	COMMON METER READING INSTRUMENT(CMRI) COMPLETE WITH SOFTWARE, COMM. CABLE TO PC AND CHARGER ETC	exclusion	412502	36720		36720		Not covered under any count at sl. no. 14(3) of CERC
49	COMMON METER READING INSTRUMENT(CMRI) COMPLETE WITH SOFTWARE, COMM. CABLE TO PC AND CHARGER ETC	exclusion	412502	36720		36720		Not covered under any count at sl. no. 14(3) of CERC
50	SWING TWIN DUSTBIN WITH IRON FRAME SET VOLUME 60LTRS CAPACITY, NILKAMAL-RFLB60L1	exclusion	412503	171000		171000		

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Sl. No.	Head of Work / Equipment	exclusion/replacement	HEAD OF ACCOUNT	ACE Claimed under Exclusion				Justification
				Accural basis	Un-discharged Liability included in col.3	Cash basis	IDC included in col.3	
1	2			3	4	5=3-4	6	7
80	WHEEL BARROW DUSTBIN VOLUME 200 LTRS CAPACITY, HIMALAYA MAKE	exclusion	412503	5650		5650		
81	WHEEL BARROW DUSTBIN VOLUME 200 LTRS CAPACITY, HIMALAYA MAKE	exclusion	412503	5650		5650		
82	BIO MEDICAL WASTE 4 BIN SET VOLUME 40 LTRS - MAKE:HIMALAYA ENTERPRISES	exclusion	412503	4950		4950		
83	ROAD SIDE/GARDEN DUSTBINS (MONKEY/ELEPHANT SHAPE) VOLUME 100 L CAPACITY - MAKE:HIMALAYA ENTERPRISES	exclusion	412503	3300		3300		
84	ROAD SIDE/GARDEN DUSTBINS (MONKEY/ELEPHANT SHAPE) VOLUME 100 L CAPACITY - MAKE:HIMALAYA ENTERPRISES	exclusion	412503	3300		3300		
85	ROAD SIDE/GARDEN DUSTBINS (MONKEY/ELEPHANT SHAPE) VOLUME 100 L CAPACITY - MAKE:HIMALAYA ENTERPRISES	exclusion	412503	3300		3300		
86	COMMUNITY WHEELS DUSTBIN WITH MATELIC JACKET VOLUME 660 LTRS - MAKE:NILKAMAL. MODEL:WB660L1	exclusion	412503	32000		32000		
87	COMMUNITY WHEELS DUSTBIN WITH MATELIC JACKET VOLUME 660 LTRS - MAKE:NILKAMAL. MODEL:WB660L1	exclusion	412503	32000		32000		
88	COMMUNITY WHEELS DUSTBIN WITH MATELIC JACKET VOLUME 660 LTRS - MAKE:NILKAMAL. MODEL:WB660L1	exclusion	412503	32000		32000		
89	SAW MACHINE 4.8 HP, 73.5 CC PETROL ENGINE, 24" BAR, MODEL NO. KK-CSP-7524, KISAN KRAFT	exclusion	412503	28909		28909		
90	BRUSH CUTTER - ENGINE DRIVEN(WITH NYLONE HEAD AND BLADE)	exclusion	412503	22300		22300		
91	BRUSH CUTTER - ENGINE DRIVEN(WITH NYLONE HEAD AND BLADE)	exclusion	412503	22300		22300		
92	BRUSH CUTTER - ENGINE DRIVEN(WITH NYLONE HEAD AND BLADE)	exclusion	412503	22300		22300		
93	BRUSH CUTTER - ENGINE DRIVEN(WITH NYLONE HEAD AND BLADE)	exclusion	412503	22300		22300		
94	LYF Mobile Phone	exclusion	412801	3500		3500		Not covered under any count at sl. no. 14(3) of CERC
95	Nokia 225 Black	exclusion	412801	3300		3300		IUT
96	EXHAUST FAN LIGHT DUTY 300 MM	exclusion	412801	14850		14850		
105	HAND HELD SEARCH LIGHT	exclusion	412801	3000		3000		
106	HAND HELD SEARCH LIGHT	exclusion	412801	3000		3000		
107	HAND HELD SEARCH LIGHT	exclusion	412801	3000		3000		
108	HAND HELD SEARCH LIGHT	exclusion	412801	3000		3000		
109	MEDIA CONVERTOR 10/100 MBPS	exclusion	412801	2660		2660		
110	MEDIA CONVERTOR 10/100 MBPS	exclusion	412801	2660		2660		
111	MEDIA CONVERTOR 10/100 MBPS	exclusion	412801	2660		2660		
112	INFRARED THERMOMETER	exclusion	412801	1947		1947		
113	INFRARED THERMOMETER	exclusion	412801	1947		1947		

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Sl. No.	Head of Work / Equipment	exclusion/replacement	HEAD OF ACCOUNT	ACE Claimed under Exclusion				Justification
				Accural basis	Un-discharged Liability included in col.3	Cash basis	IDC included in col.3	
1	2			3	4	5=3-4	6	7
114	INFRARED THERMOMETER	exclusion	412801	1947		1947		
115	INFRARED THERMOMETER	exclusion	412801	1947		1947		
116	INFRARED THERMOMETER	exclusion	412801	1947		1947		
117	MIXER GRINDER MX 116 MAHARAJA WHITE LINE	exclusion	412801	3000		3000		
118	ELECTRIC KETTLE STAINLESS STEEL	exclusion	412801	2624		2624		
119	ELECTRIC KETTLE STAINLESS STEEL	exclusion	412801	2624		2624		
120	SPHYGMONOMETER (B.P INSTRUMENT)	exclusion	412801	2016		2016		
121	SPHYGMONOMETER (B.P INSTRUMENT)	exclusion	412801	2016		2016		
122	SPHYGMONOMETER (B.P INSTRUMENT)	exclusion	412801	2016		2016		
123	SPHYGMONOMETER (B.P INSTRUMENT)	exclusion	412801	2016		2016		
124	OXYGEN FLOW METER WITH HUMIDIFIER & ROTAMETER	exclusion	412801	1947		1947		
125	OXYGEN FLOW METER WITH HUMIDIFIER & ROTAMETER	exclusion	412801	1947		1947		
126	FETAL MONITOR PORTABLE: MODEL: BPL FIRST BEATS; MAKE: BPL	exclusion	412801	2829		2829		
127	PULSE-OXIMETER	exclusion	412801	1848		1848		
128	PULSE-OXIMETER	exclusion	412801	1848		1848		
129	ABC DRY POWDER MULTIPURPOSE TYPE FIRE EXTINGUISERS CAP. 5 KG	exclusion	412801	34		34		
130	ABC Type fire extinguisher Cap. 0.5 KG	exclusion	412801	12		12		
131	Water CO2 type Fire Extinguisher 9 ltr. Cap.	exclusion	412801	23		23		
132	CO2 type Fire Extinguisher 6.8 Kg Cap.	exclusion	412801	6		6		
133	Microsoft Office Std 2016 SNGL OLP C (73 nos.)	IUT	412201	1331374				Form Corporate Office
134	Others	IUT	412201	342600				
				43968414		**42294440**		

Note:

1. Exclusions claimed on assets not allowed in Tariff should be supported by the specific reference of Commission Order date, Petition No., amount disallowed, etc..
2. For inter unit transfer, nature of transfer i.e. temporary or permanent should be mentioned. It is to be certified that exclusion sought in receiving station only and not in sending station or in both the

For D S P & Associates
Chartered Accountants

DSP & ASSOCIATES CHARTERED ACCOUNTANTS FRN:006791N NEW DELHI

For NHPC LTD.

(M G GOKHALE)
GM (Comml.)

DSP & ASSOCIATES CHARTERED ACCOUNTANTS FRN:006791N NEW DELHI

FORM-9D

Statement showing Items / assets / works claimed under Exclusions

Name of the Petitioner : NHPC Limited
Name of the Generating Station : Tanakpur Power Station
COD : 1-Apr-93

(AMOUNT IN Rs)

2018-19								
				ACE Claimed under Exclusion				
Sl. No.	Head of Work / Equipment	exclusion/replacement	HEAD OF ACCOUNT	Accural basis	Un-discharged Liability included in col.3	Cash basis	IDC included in col.3	Justification
1	2			3	4	5=3-4	6	7
1	AIR COMPRESSOR 5HP, 3 PHASE,415V, 2 STAGE.,INGERSOLL RAND/247S-C5	exclusion		115834		115834		
2	415V,1000 AMPS,50KA,4P,AIR CIRCUIT BREAKER,EDO TYPE (SR18G),CAT:SL96073 ,L&T MAKE CN-CS1000 S1	exclusion	410807	190570		190570		
3	415 V, 03 PHASE INDUCTION MOTOR 7.5 KW, MAKE-BHARAT BIJLEE, MODEL-2H16M633	exclusion	411203	49118		49118		
4	415 V, 03 PHASE INDUCTION MOTOR 13/15 KW, MAKE-BHARAT BIJLEE, MODEL-2H18L633	exclusion	411203	59634		59634		
5	415 V, 03 PHASE INDUCTION MOTOR 13/15 KW, MAKE-BHARAT BIJLEE, MODEL-2H18L633	exclusion	411203	59634		59634		
6	ANGLE GRINDER 125MM, 1400WATT, MAKE: BOSCH, MODEL:GWS 14-125CI	exclusion	410713	8378		8378		Not covered under any count at sl. no. 14(3) of CERC
7	ANGLE GRINDER 125MM, 1400WATT, MAKE: BOSCH, MODEL:GWS 14-125CI	exclusion	410713	8378		8378		Not covered under any count at sl. no. 14(3) of CERC
8	ANGLE GRINDER 125MM, 1400WATT, MAKE: BOSCH, MODEL:GWS 14-125CI	exclusion	410713	8378		8378		Not covered under any count at sl. no. 14(3) of CERC
9	1800 VA INVERTER SET WITH 02 NO. 12 V 180 AH BATTERIES AND INVERTER TROLLEY, MICROTEK/ JM2000	exclusion	410713	40710		40710		Not covered under any count at sl. no. 14(3) of CERC
10	1800 VA INVERTER SET WITH 02 NO. 12 V 180 AH BATTERIES AND INVERTER TROLLEY, MICROTEK/ JM2000	exclusion	410713	40710		40710		Not covered under any count at sl. no. 14(3) of CERC
11	1800 VA INVERTER SET WITH 02 NO. 12 V 180 AH BATTERIES AND INVERTER TROLLEY, MICROTEK/ JM2000	exclusion	410713	40710		40710		Not covered under any count at sl. no. 14(3) of CERC
12	MID BACK CHAIR WITH ARMS, MAKE METHODEX	exclusion	411701	92040		92040		Not covered under any count at sl. no. 14(3) of CERC
13	REVOLVING CHAIR WITH HIGH BACK	exclusion	411701	10266		10266		Not covered under any count at sl. no. 14(3) of CERC
14	EXECUTIVE TABLE, MAKE METHODEX	exclusion	411701	14030		14030		Not covered under any count at sl. no. 14(3) of CERC
15	EXECUTIVE TABLE, MAKE METHODEX	exclusion	411701	14030		14030		Not covered under any count at sl. no. 14(3) of CERC
16	HEAVY DUTY STEEL RACK, MAKE METHODEX	exclusion	411701	42480		42480		Not covered under any count at sl. no. 14(3) of CERC
17	CONFERENCE TABLE 10 SEATER WITH WIRE MANAGEMENT, MAKE METHODEX	exclusion	411701	57230		57230		Not covered under any count at sl. no. 14(3) of CERC
18	ALL IN ONE DESKTOP COMPUTER, VERITON Z4 640 G-I5 -7400- 21.5	exclusion	411801	570000		570000		Not covered under any count at sl. no. 14(3) of CERC
19	HP LAPTOP 348 G4, I7@7500U,8 GB RAM , 1 TB HDD, WINDOWS 10 PRO. PRELOADED,MAKE: HPMODEL: 348 G4	exclusion	411801	259128		259128		Not covered under any count at sl. no. 14(3) of CERC
20	MONOCHROME LASERJET MULTIFUNCTION PRINTER A4 SIZE, MAKE-SAMSUNGMODEL-XPRESS SL-M2876ND	exclusion	411803	367875		367875		Not covered under any count at sl. no. 14(3) of CERC
21	CANON LASERJET COLOR MULTIFUNCTION PRINTER MF633CDW	exclusion	411803	31766		31766		Not covered under any count at sl. no. 14(3) of CERC
22	CANON LASERJET COLOR MULTIFUNCTION PRINTER MF633CDW	exclusion	411803	31766		31766		Not covered under any count at sl. no. 14(3) of CERC
23	SINGLE MODE GIGABIT SFP/GBIC MODULE	exclusion	411804	23912		23912		Not covered under any count at sl. no. 14(3) of CERC
24	TRIPOD SCREEN 6X4 FEET FLOOR STANDING	exclusion	411804	5970		5970		Not covered under any count at sl. no. 14(3) of CERC
25	WI-FI ACCESS POINT 802.11N/AC, D' LINK, DAP-2660	exclusion	411804	89680		89680		Not covered under any count at sl. no. 14(3) of CERC
26	PROJECTOR SCREEN (MOTERIZED)	exclusion	411804	23175		23175		Not covered under any count at sl. no. 14(3) of CERC
27	LAN SWITCH, 16 PORT	exclusion	411804	55106		55106		Not covered under any count at sl. no. 14(3) of CERC
28	LAYER2 FULLY MANAGED SWITCH WITH 24 RJ45 PORTS AND 4 SFP PORTS,ALCATEL LUCENT OS6860-24	exclusion	411804	64074		64074		Not covered under any count at sl. no. 14(3) of CERC
29	LAYER2 FULLY MANAGED SWITCH WITH 24 RJ45 PORTS AND 4 SFP PORTS,ALCATEL LUCENT OS6860-24	exclusion	411804	64074		64074		Not covered under any count at sl. no. 14(3) of CERC
30	LAYER2 FULLY MANAGED SWITCH WITH 24 RJ45 PORTS AND 4 SFP PORTS,ALCATEL LUCENT OS6860-24	exclusion	411804	64074		64074		Not covered under any count at sl. no. 14(3) of CERC
31	MULTIMEDIA PROJECTOR	exclusion	411804	79250		79250		Not covered under any count at sl. no. 14(3) of CERC
32	MULTIMEDIA PROJECTOR	exclusion	411804	79250		79250		Not covered under any count at sl. no. 14(3) of CERC

ASSOCIATES FRN 006791N NEW DELHI CHARTERED ACCOUNTANTS

Sl. No.	Head of Work / Equipment	exclusion/replacement	HEAD OF ACCOUNT	ACE Claimed under Exclusion				Justification
				Accural basis	Un-discharged Liability included in col.3	Cash basis	IDC included in col.3	
33	LAYER2 NETWORK SWITCH - 48 ETHERNET PORTS AND 04 SFP PORTS, ALCATEL LUCENT OS6450-48	exclusion	411804	355533		355533		Not covered under any count at sl. no. 14(3) of CERC
34	LAYER3 FULLY MANAGED SWITCH WITH 24 RJ45 PORTS AND & 4 SFP PORTS, D' LINK DGS-3630	exclusion	411804	121588		121588		Not covered under any count at sl. no. 14(3) of CERC
35	SMARTPHONE 2 GB RAM, 1.0GHZ, 16 GB , 5.5-MAKE- ASUS, MODEL; ZENPHONE MAX	exclusion	411904	8067		8067		Not covered under any count at sl. no. 14(3) of CERC
36	SMARTPHONE 2 GB RAM, 1.0GHZ, 16 GB , 5.5-MAKE- ASUS, MODEL; ZENPHONE MAX	exclusion	411904	8067		8067		Not covered under any count at sl. no. 14(3) of CERC
37	WATER PURIFIER CAP. 8 LTR.	exclusion	412001	17200		17200		Not covered under any count at sl. no. 14(3) of CERC
38	24 PPM MONO DIGITAL PHOTOCOPIER WITH NETWORK AND DADF, MAKE- XEROX, MODEL-WORKCENTRE 5024DAD+N	exclusion	412003	213000		213000		Not covered under any count at sl. no. 14(3) of CERC
39	LED TV 32 INCH - MI LED SMARRT TV 4A 32	exclusion	412007	431970		431970		Not covered under any count at sl. no. 14(3) of CERC
40	WINDOW TYPE AIR CONDITIONER 1.5 TON	exclusion	412008	339200		339200		Not covered under any count at sl. no. 14(3) of CERC
41	AIR CONDITIONER SPLIT TYP 1.5 TON	exclusion	412008	159916		159916		Not covered under any count at sl. no. 14(3) of CERC
42	AIR CONDITIONER SPLIT TYP 1.5 TON	exclusion	412008	481800		481800		Not covered under any count at sl. no. 14(3) of CERC
43	WATER COOLER 80 LITRES	exclusion	412011	31489		31489		Not covered under any count at sl. no. 14(3) of CERC
44	ULTRASONIC THICKNESS GAUGE UTG-111A	exclusion	412502	15930		15930		Not covered under any count at sl. no. 14(3) of CERC
45	WALL MOUNT RACK 6U (FOR CCTV ACCESSORIES)	exclusion	412503	6180		6180		Not covered under any count at sl. no. 14(3) of CERC
46	WALL MOUNT RACK 6U (FOR CCTV ACCESSORIES)	exclusion	412503	6180		6180		Not covered under any count at sl. no. 14(3) of CERC
47	WALL MOUNT RACK 6U (FOR CCTV ACCESSORIES)	exclusion	412503	6180		6180		Not covered under any count at sl. no. 14(3) of CERC
48	WALL MOUNT RACK 12 U SPIKTEL MAKE	exclusion	412503	7852		7852		Not covered under any count at sl. no. 14(3) of CERC
49	OIL FILLED ROOM HEATER, 11 FING, 230VOLT	exclusion	412503	49100		49100		Not covered under any count at sl. no. 14(3) of CERC
50	ULTRASONIC MONKEY REPELLER - MODEL JWP-315M	exclusion	412503	14750		14750		Not covered under any count at sl. no. 14(3) of CERC
51	ULTRASONIC MONKEY REPELLER - MODEL JWP-315M	exclusion	412503	14750		14750		Not covered under any count at sl. no. 14(3) of CERC
52	SWITCH 24 PORT, 4FIBER PORT D- LINK/MODEL DG-GS1528	exclusion	412503	16190		16190		Not covered under any count at sl. no. 14(3) of CERC
53	ONLINE UPS SYSTEM 1 KVA	exclusion	412503	17486		17486		Not covered under any count at sl. no. 14(3) of CERC
54	ONLINE UPS SYSTEM 1 KVA	exclusion	412503	17486		17486		Not covered under any count at sl. no. 14(3) of CERC
55	ONLINE UPS SYSTEM 1 KVA	exclusion	412503	17486		17486		Not covered under any count at sl. no. 14(3) of CERC
56	ONLINE UPS SYSTEM 1 KVA	exclusion	412503	17486		17486		Not covered under any count at sl. no. 14(3) of CERC
57	LED MONITOR 40 INCH SVL MAKE, MODEL:40LC43	exclusion	412503	19428		19428		Not covered under any count at sl. no. 14(3) of CERC
58	3 MP VARI FOCAL IR BULLET NETWORK CAMERA CP PLUS/ CP-UNC-TB30ZL6-MS	exclusion	412503	102540		20508		Not covered under any count at sl. no. 14(3) of CERC
59	NETWORK VIDEO RECORDER 16 CHANNEL CP PLUS/CP-UN R-416 T2N	exclusion	412503	21608		21608		Not covered under any count at sl. no. 14(3) of CERC
60	IP PTZ OUTDOOR CAMERA 2.0 MP WITH ADAPTOR CP PLUS/CP-UN P-2020TL10-P	exclusion	412503	53968		53968		Not covered under any count at sl. no. 14(3) of CERC
61	IP PTZ OUTDOOR CAMERA 2.0 MP WITH ADAPTOR CP PLUS/CP-UN P-2020TL10-P	exclusion	412503	53968		53968		Not covered under any count at sl. no. 14(3) of CERC
62	EXHAUST FAN LIGHT DUTY 300 MM	exclusion	412801	54040		54040		Not covered under any count at sl. no. 14(3) of CERC
63	CIELING FAN 56	exclusion	412801	74360		74360		Not covered under any count at sl. no. 14(3) of CERC
64	WALL FAN 400 MM SWEEP	exclusion	412801	16288		16288		Not covered under any count at sl. no. 14(3) of CERC
65	PEDESTAL FAN 400 MM SWEEP	exclusion	412801	19824		19824		Not covered under any count at sl. no. 14(3) of CERC
66	MEDIA CONVERTOR 10/100 MBPS	exclusion	412801	2660		2660		Not covered under any count at sl. no. 14(3) of CERC
67	MEDIA CONVERTOR 10/100 MBPS	exclusion	412801	2660		2660		Not covered under any count at sl. no. 14(3) of CERC
68	MEDIA CONVERTOR 10/100 MBPS	exclusion	412801	2660		2660		Not covered under any count at sl. no. 14(3) of CERC

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DSP ASSOCIATES CHARTERED ACCOUNTANTS FRN 006791N NEW DELHI

Sl. No.	Head of Work / Equipment	exclusion/replacement	HEAD OF ACCOUNT	ACE Claimed under Exclusion				Justification
				Accural basis	Un-discharged Liability included in col.3	Cash basis	IDC included in col.3	
69	8 PORT GIGABIT SWITCH 10/100 /1000 MBPS	exclusion	412801	2914		2914		Not covered under any count at sl. no. 14(3) of CERC
70	8 PORT GIGABIT SWITCH 10/100 /1000 MBPS	exclusion	412801	2914		2914		Not covered under any count at sl. no. 14(3) of CERC
71	8 PORT GIGABIT SWITCH 10/100 /1000 MBPS	exclusion	412801	2914		2914		Not covered under any count at sl. no. 14(3) of CERC
72	FLYING INSECT KILLER - SPIDER FLY KILLER FITTED WITH DOUBLE TUBE, CROMPTON GREAVES	exclusion	412801	47985		47985		Not covered under any count at sl. no. 14(3) of CERC
73	OFC MEDIA CONVERTER,MAKE- SPIKTEL, MODEL-HTB-1100S-25KM	exclusion	412801	3643		3643		Not covered under any count at sl. no. 14(3) of CERC
74	OFC MEDIA CONVERTER,MAKE- SPIKTEL, MODEL-HTB-1100S-25KM	exclusion	412801	3643		3643		Not covered under any count at sl. no. 14(3) of CERC
75	OFC MEDIA CONVERTER,MAKE- SPIKTEL, MODEL-HTB-1100S-25KM	exclusion	412801	3643		3643		Not covered under any count at sl. no. 14(3) of CERC
76	OFFLINE UPS- 1 KVA MAKE:LUMINIOUS MODEL:LB1000 UNO	exclusion	412801	100000		100000		Not covered under any count at sl. no. 14(3) of CERC
77	VISITOR CHAIR WITH ARM SEAT BACK PADED, MAKE METHODEX	exclusion	412801	4012		4012		Not covered under any count at sl. no. 14(3) of CERC
78	VISITOR CHAIR WITH ARM SEAT BACK PADED, MAKE METHODEX	exclusion	412801	4012		4012		Not covered under any count at sl. no. 14(3) of CERC
79	VISITOR CHAIR WITH ARM SEAT BACK PADED, MAKE METHODEX	exclusion	412801	4012		4012		Not covered under any count at sl. no. 14(3) of CERC
80	LIU 6 PORT FULLY LOADED-RACKMOUNT	exclusion	412801	4546		4546		Not covered under any count at sl. no. 14(3) of CERC
81	LIU 6 PORT FULLY LOADED-RACKMOUNT	exclusion	412801	4546		4546		Not covered under any count at sl. no. 14(3) of CERC
82	LIU 6 PORT FULLY LOADED-RACKMOUNT	exclusion	412801	4546		4546		Not covered under any count at sl. no. 14(3) of CERC
83	DIGITAL LUXMETER NM-103, NEUMAN & MILLER & NM-103	exclusion	412801	3821		3821		Not covered under any count at sl. no. 14(3) of CERC
84	DIGITAL LUXMETER NM-103, NEUMAN & MILLER & NM-103	exclusion	412801	3821		3821		Not covered under any count at sl. no. 14(3) of CERC
85	CHAIR PCH-7032	exclusion	411701	5033	IUT	5033		Not covered under any count at sl. no. 14(3) of CERC
86	GODREJ COMP. CHAIR 7031	exclusion	411701	5325	IUT	5325		Not covered under any count at sl. no. 14(3) of CERC
87	TABLE T-8 GODREJ MAKE	exclusion	411701	5511	IUT	5511		Not covered under any count at sl. no. 14(3) of CERC
88	TABLE T-8 GODREJ MAKE	exclusion	411701	5511	IUT	5511		Not covered under any count at sl. no. 14(3) of CERC
89	COMPUTER CHAIR PCH-7031	exclusion	411701	5632	IUT	5632		Not covered under any count at sl. no. 14(3) of CERC
90	TABLE T-8 GODREJ MAKE	exclusion	411701	5786	IUT	5786		Not covered under any count at sl. no. 14(3) of CERC
91	CHAIR PCH 7031 GODREJ	exclusion	411701	5799	IUT	5799		Not covered under any count at sl. no. 14(3) of CERC
92	GODREJ CHAIR PCH-7032	exclusion	411701	5991	IUT	5991		Not covered under any count at sl. no. 14(3) of CERC
93	GODREJ CHAIR PCH-7032	exclusion	411701	5992	IUT	5992		Not covered under any count at sl. no. 14(3) of CERC
94	STEEL ALMIRAH BIG GODREJ	exclusion	411701	6282	IUT	6282		Not covered under any count at sl. no. 14(3) of CERC
95	TABLE T-8 GODREJ MAKE	exclusion	411701	6322	IUT	6322		Not covered under any count at sl. no. 14(3) of CERC
96	TABLE T-8 GODREJ MAKE	exclusion	411701	6322	IUT	6322		Not covered under any count at sl. no. 14(3) of CERC
97	TABLE T-8 GODREJ MAKE	exclusion	411701	6322	IUT	6322		Not covered under any count at sl. no. 14(3) of CERC
98	TABLE T-8 GODREJ MAKE	exclusion	411701	6322	IUT	6322		Not covered under any count at sl. no. 14(3) of CERC
99	TABLE T-8 GODREJ MAKE	exclusion	411701	6322	IUT	6322		Not covered under any count at sl. no. 14(3) of CERC
100	GODREJ STEEL SMALL ALMIRAH	exclusion	411701	6516	IUT	6516		Not covered under any count at sl. no. 14(3) of CERC
101	CHAIR PCH7002	exclusion	411701	6527	IUT	6527		Not covered under any count at sl. no. 14(3) of CERC
102	GODREJ CHAIR PCH-7002	exclusion	411701	6527	IUT	6527		Not covered under any count at sl. no. 14(3) of CERC
103	GODREJ 2 DRS. VERTICAL FILING CABINET	exclusion	411701	6899	IUT	6899		Not covered under any count at sl. no. 14(3) of CERC
104	GODREJ 2 DRS. VERTICAL FILING CABINET	exclusion	411701	6899	IUT	6899		Not covered under any count at sl. no. 14(3) of CERC
105	TABLE T-9 GODREJ MAKE	exclusion	411701	6964	IUT	6964		Not covered under any count at sl. no. 14(3) of CERC
106	TABLE T-9 GODREJ MAKE	exclusion	411701	6964	IUT	6964		Not covered under any count at sl. no. 14(3) of CERC

ASSOCIATES CHARTERED ACCOUNTANTS FRN 006791N NEW DELHI

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Sl. No.	Head of Work / Equipment	exclusion/replacement	HEAD OF ACCOUNT	ACE Claimed under Exclusion				Justification
				Accural basis	Un-discharged Liability included in col.3	Cash basis	IDC included in col.3	
107	GODREJ EXE. CHAIR 7002	exclusion	411701	7025	IUT	7025		Not covered under any count at sl. no. 14(3) of CERC
108	GODREJ EXE. CHAIR 7002	exclusion	411701	7025	IUT	7025		Not covered under any count at sl. no. 14(3) of CERC
109	GODREJ EXE. CHAIR 7002	exclusion	411701	7025	IUT	7025		Not covered under any count at sl. no. 14(3) of CERC
110	GODREJ CHAIR PCH-7002	exclusion	411701	8807	IUT	8807		Not covered under any count at sl. no. 14(3) of CERC
111	GODREJ CHAIR PCH-7002	exclusion	411701	9106	IUT	9106		Not covered under any count at sl. no. 14(3) of CERC
112	TABLE T-9 GODREJ MAKE	exclusion	411701	9697	IUT	9697		Not covered under any count at sl. no. 14(3) of CERC
113	TABLE T-9 GODREJ MAKE	exclusion	411701	9697	IUT	9697		Not covered under any count at sl. no. 14(3) of CERC
114	TABLE T-9 GODREJ MAKE	exclusion	411701	9697	IUT	9697		Not covered under any count at sl. no. 14(3) of CERC
115	TABLE T-9 GODREJ MAKE	exclusion	411701	9697	IUT	9697		Not covered under any count at sl. no. 14(3) of CERC
116	TABLE T-9 GODREJ MAKE	exclusion	411701	9698	IUT	9698		Not covered under any count at sl. no. 14(3) of CERC
117	STORE WELL MINOR 3 SHELVES GODREJ	exclusion	411701	9923	IUT	9923		Not covered under any count at sl. no. 14(3) of CERC
118	STORE WELL MINOR 3 SHELVES GODREJ	exclusion	411701	9923	IUT	9923		Not covered under any count at sl. no. 14(3) of CERC
119	TABLE T-9 GODREJ MAKE	exclusion	411701	9981	IUT	9981		Not covered under any count at sl. no. 14(3) of CERC
120	TABLE T-9 GODREJ MAKE	exclusion	411701	9982	IUT	9982		Not covered under any count at sl. no. 14(3) of CERC
121	GODREJ STOREWELL PLAIN 3 SHELVES HR&T	exclusion	411701	10292	IUT	10292		Not covered under any count at sl. no. 14(3) of CERC
122	GODREJ STOREWELL PLAIN 3 SHELVES HR&T	exclusion	411701	10292	IUT	10292		Not covered under any count at sl. no. 14(3) of CERC
123	GODREJ STOREWELL PLAIN 3 SHELVES HR&T	exclusion	411701	10292	IUT	10292		Not covered under any count at sl. no. 14(3) of CERC
124	GODREJ STOREWEL PLAIN BIG WITH 4 SHELVES	exclusion	411701	10530	IUT	10530		Not covered under any count at sl. no. 14(3) of CERC
125	STEEL ALMIRAH BIG GODREJ	exclusion	411701	11735	IUT	11735		Not covered under any count at sl. no. 14(3) of CERC
126	GODREJ 4 DRS. VERTICAL FILING CABINET	exclusion	411701	12151	IUT	12151		Not covered under any count at sl. no. 14(3) of CERC
127	GODREJ 4 DRS. VERTICAL FILING CABINET	exclusion	411701	12152	IUT	12152		Not covered under any count at sl. no. 14(3) of CERC
128	STEEL ALMIRAH BIG GODREJ	exclusion	411701	13064	IUT	13064		Not covered under any count at sl. no. 14(3) of CERC
129	GODREJ STOREWELL PLAIN BIG WITH 4 SHELVES ,	exclusion	411701	13412	IUT	13412		Not covered under any count at sl. no. 14(3) of CERC
130	GODREJ STOREWELL PLAIN BIG WITH 4 SHELVES ,	exclusion	411701	13412	IUT	13412		Not covered under any count at sl. no. 14(3) of CERC
131	GODREJ STOREWELL PLAIN BIG WITH 4 SHELVES ,	exclusion	411701	13412	IUT	13412		Not covered under any count at sl. no. 14(3) of CERC
132	ROOM HEATER	exclusion	412801	980	IUT	980		Not covered under any count at sl. no. 14(3) of CERC
133	ROOM HEATER DOUBLE ROD	exclusion	412801	1050	IUT	1050		Not covered under any count at sl. no. 14(3) of CERC
134	ROOM HEATER D/ ROD	exclusion	412801	1050	IUT	1050		Not covered under any count at sl. no. 14(3) of CERC
135	ROOM HEATER D/ ROD	exclusion	412801	1050	IUT	1050		Not covered under any count at sl. no. 14(3) of CERC
136	ROOM HEATER D/ ROD	exclusion	412801	1050	IUT	1050		Not covered under any count at sl. no. 14(3) of CERC
137	CHAIR SUPREME	exclusion	412801	1430	IUT	1430		Not covered under any count at sl. no. 14(3) of CERC
138	CHAIR SUPREME	exclusion	412801	1430	IUT	1430		Not covered under any count at sl. no. 14(3) of CERC
139	OFFICE CHAIR HYDRULIC	exclusion	412801	1687	IUT	1687		Not covered under any count at sl. no. 14(3) of CERC
140	COMPUTER TABLE	exclusion	412801	1700	IUT	1700		Not covered under any count at sl. no. 14(3) of CERC
141	Chair Plastic With Cushion	exclusion	412801	1895	IUT	1895		Not covered under any count at sl. no. 14(3) of CERC
142	Chair Plastic With Cushion	exclusion	412801	1895	IUT	1895		Not covered under any count at sl. no. 14(3) of CERC
143	COMPUTER TABLE	exclusion	412801	3618	IUT	3618		Not covered under any count at sl. no. 14(3) of CERC
144	FILE RACK BIG	exclusion	412801	4291	IUT	4291		Not covered under any count at sl. no. 14(3) of CERC

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DSP & ASSOCIATES CHARTERED ACCOUNTANTS FRN 006791N NEW DELHI

Sl. No.	Head of Work / Equipment	exclusion/replacement		ACE Claimed under Exclusion				Justification
			HEAD OF ACCOUNT	Accural basis	Un-discharged Liability included in col.3	Cash basis	IDC included in col.3	
145	FILE RACK BIG	exclusion	412801	4292	IUT	4292		Not covered under any count at sl. no. 14(3) of CERC
146	COMPUTER TABLE	exclusion	412801	4492	IUT	4492		Not covered under any count at sl. no. 14(3) of CERC
147	COMPUTER TABLE	exclusion	412801	4492	IUT	4492		Not covered under any count at sl. no. 14(3) of CERC
148	COMPUTER TABLE	exclusion	412801	4492	IUT	4492		Not covered under any count at sl. no. 14(3) of CERC
149	COMPUTER TABLE	exclusion	412801	4493	IUT	4493		Not covered under any count at sl. no. 14(3) of CERC
150	COMPUTER TABLE	exclusion	412801	4493	IUT	4493		Not covered under any count at sl. no. 14(3) of CERC
151	Godrej Visitor Chair PCH-7003 Colour-5035	exclusion	412801	4667	IUT	4667		Not covered under any count at sl. no. 14(3) of CERC
152	Godrej Visitor Chair PCH-7003 Colour-5035	exclusion	412801	4667	IUT	4667		Not covered under any count at sl. no. 14(3) of CERC
153	Godrej Visitor Chair PCH-7003 Colour-5035	exclusion	412801	4668	IUT	4668		Not covered under any count at sl. no. 14(3) of CERC
154	CHAIR 7032	exclusion	412801	4702	IUT	4702		Not covered under any count at sl. no. 14(3) of CERC
155	COMPUTER CHAIR 7031	exclusion	412801	4702	IUT	4702		Not covered under any count at sl. no. 14(3) of CERC
156	COMPUTER CHAIR 7031	exclusion	412801	4702	IUT	4702		Not covered under any count at sl. no. 14(3) of CERC
				6132875		6050843		

For D S P & Associates
Chartered Accountants

For NHPC LTD.

(M G Gokhale)
GM (Comml.)

DSP & ASSOCIATES * CHARTERED ACCOUNTANTS * FRN: 03679N NEW DELHI

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FORM-9B (i)

Details of Assets De-capitalized during the period

Name of the Petitioner : NHPC Ltd.

Name of the Generating Station : Tanakpur Power station

Region : Northern | State : Uttarakhand | District :Champawat

COD : 1-Apr-93

(AMOUNT IN RS.)

FY - 2014-15								
A	Deletion of assets (as per books of accounts) against replacement as approved							
S.No.	Description	Nature of de-capitlization (whether claimed under exclusion or as additional capital expenditure)	Account	Amount	Acquisition Date	Depreciation recovered till date of de-capitalization	Year of De-cpitalisation	Remarks
1	2		3	4	5	6		
A	Assumed deletion							
1	DG Set 500 KVA	Claim	411002	775136	1993		2018-19	Replacement cost against item no. B(1) Form-9A (2014-15).
2	Beacon Pump- Model-sdc150/200 (21/04/04)	Claim	411112	124790	2004	118550	2017-18	Replacement cost against item no. C(1) Form-9A (2014-15)
3	CO2 FLOODING SYSTEM	Claim	410712	557285	1993	417269		Replacement cost against item no. C(1) Form-9A (2014-15)
4	800AMP LT DISTRIBUTION PANEL WITH 1 NO 800A ACB, 4NOS 250A MCCB, 8 NOS	Claim	410801	105787	1993	79277	2015-16	
			TOTAL	1457211				

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FY - 2014-15								
A	Deletion of assets (as per books of accounts) against replacement as approved							
S.No.	Description	Nature of de-capitlization (whether claimed under exclusion or as additional capital expenditure)	Account	Amount	Acquisition Date	Depreciation recovered till date of de-capitalization	Year of De-cpitalisation	Remarks
1	2		3	4	5	6		
B	Deletion of assets (as per books of accounts)							
1	Air Compressor, 750Cfm (from Dhauliganga)	Claim	411115	858274	2000	772447	2014-15	Replaement agiant addition claimed during 2016-17 (refer item no. B14 of Form-9A)
2	RESIDENTIAL BUILDING	claim	410325	149661	1988	42752504	2014-15	Not replaced
3	SUBMERSIBLE PUMPS	claim	412020	24492	2005	14685	2014-15	Replacement value against addition at item no. B(7) during 2016-17.
4	SUBMERSIBLE PUMPS	claim	412020	4539	2005	4538	2014-15	IUT
5	GENERATOR KIRLOSKAR	claim	412020	28254	2005	20799	2014-15	IUT
6	Fume eliminator	claim	412503	139880	2003	71776	2014-15	
7	INMAR-SAT Phone	claim	411805	160735	1999	144662	2014-15	IUT
8	UP-29-0382 (TATA Bus)	claim	411507	823028	1999	740725	2014-15	
9	URN-9954 (Ashok Leyland)	claim	411508	8711	1985	0	2014-15	
10	JKR-385 (Half Body Truck)	claim	411508	7293	1987	0	2014-15	
11	JKR-3857 (Half Body Truck)	claim	411508	7294	1987	0	2014-15	
12	Kenwood hand held wire-less sets	claim	411902	11139	2000	11138	2014-15	Refer item no. 9A 2014-15 (refer item no C(4&5))
13	Monoblock Pump	claim	411112	7481	1997	7480	2014-15	
14	Easy weld,SSR-600 with remote, code-N-61-0642	claim	411114	118055	2001	106249	2014-15	
15	ESAB easy weld,SSR-400	claim	411114	113953	1995	102558	2014-15	
16	Fire Tender-UP-02B-0217	claim	411505	8711	1985	0	2014-15	
17	Pump (25 HP) from Chamera-I	claim	411112	29148	1998	29148	2014-15	
18	Perfect Submersible Pump,3.5HP, Model-P-3/3.5	claim	411112	44011	1998	44010	2014-15	

DSP & ASSOCIATES CHARTERED ACCOUNTANTS FRN-003791N NEW DELHI

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FY - 2014-15								
A	Deletion of assets (as per books of accounts) against replacement as approved							
S.No.	Description	Nature of de-capitlization (whether claimed under exclusion or as additional capital expenditure)	Account	Amount	Acquisition Date	Depreciation recovered till date of de-capitalization	Year of De-cpitalisation	Remarks
1	2		3	4	5	6		
19	Submersible pump	claim	411112	49000	2000	48999	2014-15	Replacement value against addition at item no. B(7) during 2016-17.
20	Submersible pump(13.7.2)	claim	411112	47651	2002	37930	2014-15	
21	Submersible pump(13.7.2)	claim	411112	47651	2002	37930	2014-15	
22	Submersible pump(13.7.2)	claim	411112	47650	2002	37929	2014-15	
23	Submersible pump(13.7.2)	claim	411112	47650	2002	37929	2014-15	
24	Perfect Submersible Pump,35HP, Model-6/35	claim	411112	116958	1998	105262	2014-15	
25	Perfect make Sumersible pumpMD-P-6/35, 35HP	claim	411112	116958	1997	105262	2014-15	
26	Perfect submersible Pump	claim	411112	126946	2000	114251	2014-15	
27	Motorised Valve (25/02/2004)	exclusion	410713	74701	2004	24927	2014-15	spares
28	Motorised Valve (25/02/2004)	exclusion	410713	74700	2004	24926	2014-15	spares
29	Motorised Valve (25/02/2004)	exclusion	410713	74700	2004	24926	2014-15	spares
31	3M-MP-8725 Multimedia Projector	exclusion	412501	487760	2000	288036	2014-15	spares
32	LOW VACUUM DEHYDRATION UNIT	exclusion	410714	255000	2010	50988	2014-15	spares
33	220 KV, SINGLE PHASE, 5 CORE. CTR 600-300-150/1, OUTDOOR CURRENT TRANSFORMER	exclusion	410714	446968	2013	66794	2014-15	spares
34	DIGITAL AUTOMATIC VOLTAGE REGULATOR (DAVR) SUITABLE FOR 11 KV, 40 MW HYDROGENERATOR	exclusion	410714	5437381	2013	812474	2014-15	spares

DSP & ASSOCIATES * CHARTERED ACCOUNTANTS * FRN 006791N NEW DELHI

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FY - 2014-15								
A	Deletion of assets (as per books of accounts) against replacement as approved							
S.No.	Description	Nature of de-capitlization (whether claimed under exclusion or as additional capital expenditure)	Account	Amount	Acquisition Date	Depreciation recovered till date of de-capitalization	Year of De-cpitalisation	Remarks
1	2		3	4	5	6		
35	LAND FREE HOLD GOMTI NAGAR LUCKNOW	exclusion	410101	10500418	2001		2014-15	Addition of these IUT items are not considered for tariff hence deletion iskept under exclusion.
36	ROADS BIBHUTI KHANDVINARMRA KHAND	exclusion	410201	191975	2005	44145	2014-15	
37	ROADS BIBHUTI KHAND	exclusion	410201	415704	2005	95610	2014-15	
38	ROADS bibhti and vinamara khand	exclusion	410201	335276	2005	77104	2014-15	
39	OFFICE BUILDING LO LUCKNOW	exclusion	410304	7728741	2005	1786351	2014-15	
40	OFFICE BUILDING TEMPORARY LUCKNOW	exclusion	410305	155996	2005	155995	2014-15	
41	REGISTRATION CHARGES TRANSIT CAMP AT KANPUR ROAD	exclusion	410321	32990	2008	5668	2014-15	
42	VINAMRA KHAND GOMTI NAGAR	exclusion	410321	14872760	2005	3106202	2014-15	
43	WATER SUPPLY SYSTAM @ BIBHUTI KHAND	exclusion	411201	121488	2005	27943	2014-15	
44	WATER SUPPLY SYSTAM @BIBHUTI KHAND	exclusion	411201	1254644	2005	288562	2014-15	
45	WOUND ROTOR POLE ASSY., 1-253-02-29104	exclusion	410714	2477332	2012	334237	2014-15	Capital spare consumed
46	Hand pump	exclusion	411112	6259	1992	6259	2014-15	General nature items & do not form part of Capitalization as per count at sl. no. 14(3) of CERC
47	PHOTOCOPY MACHINE	exclusion	412020	108161	2002	70065	2014-15	IUT
48	ELECTRIC FITTING	exclusion	412020	12585	2000	12584	2014-15	IUT
49	Griller	exclusion	411115	17550	1992	17549	2014-15	General nature items & do not form part of Capitalization as per count at sl. no. 14(3) of CERC
50	Chain pully	exclusion	411130	22527	1995	22526	2014-15	General nature items & do not form part of Capitalization as per count at sl. no. 14(3) of CERC

DSP & ASSOCIATES CHARTERED ACCOUNTANTS NEW DELHI

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FY - 2014-15								
A	Deletion of assets (as per books of accounts) against replacement as approved							
S.No.	Description	Nature of de-capitlization (whether claimed under exclusion or as additional capital expenditure)	Account	Amount	Acquisition Date	Depreciation recovered till date of de-capitalization	Year of De-cpitalisation	Remarks
1	2		3	4	5	6		
51	Chain pully	exclusion	411130	22527	1995	22526	2014-15	General nature items & do not form part of Capitalization as per count at sl. no. 14(3) of CERC
52	Chain pully	exclusion	411130	22526	1995	22525	2014-15	General nature items & do not form part of Capitalization as per count at sl. no. 14(3) of CERC
53	Chain pully	exclusion	411130	22526	1995	22525	2014-15	General nature items & do not form part of Capitalization as per count at sl. no. 14(3) of CERC
54	Punching machine	exclusion	411130	11276	1987	11276	2014-15	General nature items & do not form part of Capitalization as per count at sl. no. 14(3) of CERC
55	Grinder	exclusion	411130	9222	1993	9222	2014-15	General nature items & do not form part of Capitalization as per count at sl. no. 14(3) of CERC
56	Grinder	exclusion	411130	9223	1993	9223	2014-15	General nature items & do not form part of Capitalization as per count at sl. no. 14(3) of CERC
57	Vaccum cleaner	exclusion	411130	8098	1991	8098	2014-15	General nature items & do not form part of Capitalization as per count at sl. no. 14(3) of CERC
58	Cycles	exclusion	411512	1400	1998	1399	2014-15	General nature items & do not form part of Capitalization as per count at sl. no. 14(3) of CERC
59	Cycles	exclusion	411512	1400	1999	1399	2014-15	General nature items & do not form part of Capitalization as per count at sl. no. 14(3) of CERC
60	Hanging chairs (from TSD)	exclusion	411701	6081	1985	6080	2014-15	General nature items & do not form part of Capitalization as per count at sl. no. 14(3) of CERC
61	Hanging chairs (from TSD)	exclusion	411701	6081	1985	6080	2014-15	General nature items & do not form part of Capitalization as per count at sl. no. 14(3) of CERC

DSP & ASSOCIATES * CHARTERED ACCOUNTANTS * FRN 005 N NEW DELHI

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FY - 2014-15								
A	Deletion of assets (as per books of accounts) against replacement as approved							
S.No.	Description	Nature of de-capitlization (whether claimed under exclusion or as additional capital expenditure)	Account	Amount	Acquisition Date	Depreciation recovered till date of de-capitalization	Year of De-cpitalisation	Remarks
1	2		3	4	5	6		
62	Hanging chairs (from TSD)	exclusion	411701	6081	1985	6080	2014-15	General nature items & do not form part of Capitalization as per count at sl. no. 14(3) of CERC
63	Hanging chairs (from TSD)	exclusion	411701	6081	1985	6080	2014-15	General nature items & do not form part of Capitalization as per count at sl. no. 14(3) of CERC
64	Hanging chairs (from TSD)	exclusion	411701	6080	1985	6079	2014-15	General nature items & do not form part of Capitalization as per count at sl. no. 14(3) of CERC
65	Revolving chairs	exclusion	411701	1612	2001	1611	2014-15	General nature items & do not form part of Capitalization as per count at sl. no. 14(3) of CERC
66	Revolving chairs	exclusion	411701	1628	2000	1627	2014-15	General nature items & do not form part of Capitalization as per count at sl. no. 14(3) of CERC
67	Revolving chairs	exclusion	411701	1628	2000	1627	2014-15	General nature items & do not form part of Capitalization as per count at sl. no. 14(3) of CERC
68	Revolving chairs	exclusion	411701	1628	2000	1627	2014-15	General nature items & do not form part of Capitalization as per count at sl. no. 14(3) of CERC
69	Revolving chairs	exclusion	411701	1627	2000	1626	2014-15	General nature items & do not form part of Capitalization as per count at sl. no. 14(3) of CERC
70	Revolving chairs	exclusion	411701	1627	2000	1626	2014-15	General nature items & do not form part of Capitalization as per count at sl. no. 14(3) of CERC
71	Chairs withot arm (from TSD)	exclusion	411701	3836	1985	3835	2014-15	General nature items & do not form part of Capitalization as per count at sl. no. 14(3) of CERC
72	Chairs withot arm (from TSD)	exclusion	411701	3836	1985	3835	2014-15	General nature items & do not form part of Capitalization as per count at sl. no. 14(3) of CERC

ASP & ASSOCIATES CHARTERED ACCOUNTANTS FRN.016791N NEW DELHI

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FY - 2014-15								
A	Deletion of assets (as per books of accounts) against replacement as approved							
S.No.	Description	Nature of de-capitlization (whether claimed under exclusion or as additional capital expenditure)	Account	Amount	Acquisition Date	Depreciation recovered till date of de-capitalization	Year of De-cpitalisation	Remarks
1	2		3	4	5	6		
73	Godrej chairs	exclusion	411701	4011	1999	4010	2014-15	General nature items & do not form part of Capitalization as per count at sl. no. 14(3) of CERC
74	Godrej chairs	exclusion	411701	4011	1999	4010	2014-15	General nature items & do not form part of Capitalization as per count at sl. no. 14(3) of CERC
75	Godrej chairs	exclusion	411701	4011	1999	4010	2014-15	General nature items & do not form part of Capitalization as per count at sl. no. 14(3) of CERC
76	Godrej chairs	exclusion	411701	4011	1999	4010	2014-15	General nature items & do not form part of Capitalization as per count at sl. no. 14(3) of CERC
77	Godrej chairs	exclusion	411701	4011	1999	4010	2014-15	General nature items & do not form part of Capitalization as per count at sl. no. 14(3) of CERC
78	Almirah (from TSD)	exclusion	411701	1683	1999	1682	2014-15	General nature items & do not form part of Capitalization as per count at sl. no. 14(3) of CERC
79	Almirah (from TSD)	exclusion	411701	1683	1999	1682	2014-15	General nature items & do not form part of Capitalization as per count at sl. no. 14(3) of CERC
80	Table T-8 (from TSD)	exclusion	411701	2984	1985	2983	2014-15	General nature items & do not form part of Capitalization as per count at sl. no. 14(3) of CERC
81	Table T-8 (from TSD)	exclusion	411701	8031	1985	8030	2014-15	General nature items & do not form part of Capitalization as per count at sl. no. 14(3) of CERC
82	Table, T-9	exclusion	411701	7369	2005	7368	2014-15	General nature items & do not form part of Capitalization as per count at sl. no. 14(3) of CERC
83	Table, T-9	exclusion	411701	7369	2005	7368	2014-15	General nature items & do not form part of Capitalization as per count at sl. no. 14(3) of CERC

DSP & ASSOCIATES CHARTERED ACCOUNTANTS FRN-0[illegible]791N NEW DELHI

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FY - 2014-15								
A	Deletion of assets (as per books of accounts) against replacement as approved							
S.No.	Description	Nature of de-capitlization (whether claimed under exclusion or as additional capital expenditure)	Account	Amount	Acquisition Date	Depreciation recovered till date of de-capitalization	Year of De-cpitalisation	Remarks
1	2		3	4	5	6		
84	Printer table	exclusion	411701	3045	2000	3044	2014-15	General nature items & do not form part of Capitalization as per count at sl. no. 14(3) of CERC
85	Printer table 3007	exclusion	411701	4454	1999	4453	2014-15	General nature items & do not form part of Capitalization as per count at sl. no. 14(3) of CERC
86	Printer table 3007	exclusion	411701	4453	1999	4452	2014-15	General nature items & do not form part of Capitalization as per count at sl. no. 14(3) of CERC
87	Refrigerators (01/04/03)	exclusion	411707	13800	2003	6948	2014-15	General nature items & do not form part of Capitalization as per count at sl. no. 14(3) of CERC
88	Matresses	exclusion	411707	2225	2000	2224	2014-15	General nature items & do not form part of Capitalization as per count at sl. no. 14(3) of CERC
89	Matresses	exclusion	411707	2225	2000	2224	2014-15	General nature items & do not form part of Capitalization as per count at sl. no. 14(3) of CERC
90	Matresses	exclusion	411707	2225	2000	2224	2014-15	General nature items & do not form part of Capitalization as per count at sl. no. 14(3) of CERC
91	Matresses	exclusion	411707	2225	2000	2224	2014-15	General nature items & do not form part of Capitalization as per count at sl. no. 14(3) of CERC
92	Matresses	exclusion	411707	2225	2000	2224	2014-15	General nature items & do not form part of Capitalization as per count at sl. no. 14(3) of CERC
93	Matresses	exclusion	411707	2225	2000	2224	2014-15	General nature items & do not form part of Capitalization as per count at sl. no. 14(3) of CERC
94	Matresses	exclusion	411707	2225	2000	2224	2014-15	General nature items & do not form part of Capitalization as per count at sl. no. 14(3) of CERC

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FY - 2014-15								
A	Deletion of assets (as per books of accounts) against replacement as approved							
S.No.	Description	Nature of de-capitlization (whether claimed under exclusion or as additional capital expenditure)	Account	Amount	Acquisition Date	Depreciation recovered till date of de-capitalization	Year of De-cpitalisation	Remarks
1	2		3	4	5	6		
95	Matresses	exclusion	411707	2225	2000	2224	2014-15	General nature items & do not form part of Capitalization as per count at sl. no. 14(3) of CERC
96	Carpet	exclusion	411701	11424	1991	11424	2014-15	General nature items & do not form part of Capitalization as per count at sl. no. 14(3) of CERC
97	Carpet	exclusion	411707	42786	1989	42786	2014-15	General nature items & do not form part of Capitalization as per count at sl. no. 14(3) of CERC
98	Carpets	exclusion	411707	8660	1984	8660	2014-15	General nature items & do not form part of Capitalization as per count at sl. no. 14(3) of CERC
99	Carpets	exclusion	411707	14622	1984	14622	2014-15	General nature items & do not form part of Capitalization as per count at sl. no. 14(3) of CERC
100	Carpets	exclusion	411707	12314	1988	12314	2014-15	General nature items & do not form part of Capitalization as per count at sl. no. 14(3) of CERC
101	Carpets	exclusion	411707	247509	2000	146168	2014-15	General nature items & do not form part of Capitalization as per count at sl. no. 14(3) of CERC
102	Carpets	exclusion	411707	92288	2002	50447	2014-15	General nature items & do not form part of Capitalization as per count at sl. no. 14(3) of CERC
103	Compaq Deskpro, Pentium-III	exclusion	411801	61588	2001	55429	2014-15	General nature items & do not form part of Capitalization as per count at sl. no. 14(3) of CERC
104	Computers	exclusion	411801	52700	2003	47430	2014-15	General nature items & do not form part of Capitalization as per count at sl. no. 14(3) of CERC
105	Computers	exclusion	411801	52700	2003	47430	2014-15	General nature items & do not form part of Capitalization as per count at sl. no. 14(3) of CERC

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FY - 2014-15								
A	Deletion of assets (as per books of accounts) against replacement as approved							
S.No.	Description	Nature of de-capitlization (whether claimed under exclusion or as additional capital expenditure)	Account	Amount	Acquisition Date	Depreciation recovered till date of de-capitalization	Year of De-cpitalisation	Remarks
1	2		3	4	5	6		
106	Computers	exclusion	411801	52700	2003	47430	2014-15	General nature items & do not form part of Capitalization as per count at sl. no. 14(3) of CERC
107	Computers	exclusion	411801	39900	2005	39899	2014-15	General nature items & do not form part of Capitalization as per count at sl. no. 14(3) of CERC
108	Computers	exclusion	411801	39900	2005	39899	2014-15	General nature items & do not form part of Capitalization as per count at sl. no. 14(3) of CERC
109	Computers	exclusion	411801	39900	2005	39899	2014-15	General nature items & do not form part of Capitalization as per count at sl. no. 14(3) of CERC
110	Computers	exclusion	411801	39900	2005	39899	2014-15	General nature items & do not form part of Capitalization as per count at sl. no. 14(3) of CERC
111	Computers	exclusion	411801	39900	2005	39899	2014-15	General nature items & do not form part of Capitalization as per count at sl. no. 14(3) of CERC
112	Computers (11/10/05)	exclusion	411801	28903	2005	28902	2014-15	General nature items & do not form part of Capitalization as per count at sl. no. 14(3) of CERC
113	Computers (11/10/05)	exclusion	411801	28903	2005	28902	2014-15	General nature items & do not form part of Capitalization as per count at sl. no. 14(3) of CERC
114	Computers (11/10/05)	exclusion	411801	28903	2005	28902	2014-15	General nature items & do not form part of Capitalization as per count at sl. no. 14(3) of CERC
115	Computers (11/10/05)	exclusion	411801	28903	2005	28902	2014-15	General nature items & do not form part of Capitalization as per count at sl. no. 14(3) of CERC
116	Computers (11/10/05)	exclusion	411801	28903	2005	28902	2014-15	General nature items & do not form part of Capitalization as per count at sl. no. 14(3) of CERC

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FY - 2014-15								
A	Deletion of assets (as per books of accounts) against replacement as approved							
S.No.	Description	Nature of de-capitlization (whether claimed under exclusion or as additional capital expenditure)	Account	Amount	Acquisition Date	Depreciation recovered till date of de-capitalization	Year of De-cpitalisation	Remarks
1	2		3	4	5	6		
117	Computers (11/10/05)	exclusion	411801	28903	2005	28902	2014-15	General nature items & do not form part of Capitalization as per count at sl. no. 14(3) of CERC
118	Computers (11/10/05)	exclusion	411801	28903	2005	28902	2014-15	General nature items & do not form part of Capitalization as per count at sl. no. 14(3) of CERC
119	Computers (11/10/05)	exclusion	411801	28903	2005	28902	2014-15	General nature items & do not form part of Capitalization as per count at sl. no. 14(3) of CERC
120	Computers (11/10/05)	exclusion	411801	28903	2005	28902	2014-15	General nature items & do not form part of Capitalization as per count at sl. no. 14(3) of CERC
121	Computers (11/10/05)	exclusion	411801	28903	2005	28902	2014-15	General nature items & do not form part of Capitalization as per count at sl. no. 14(3) of CERC
122	Computers (11/10/05)	exclusion	411801	28903	2005	28902	2014-15	General nature items & do not form part of Capitalization as per count at sl. no. 14(3) of CERC
123	Computers (9/8/05)	exclusion	411801	35200	2005	35199	2014-15	General nature items & do not form part of Capitalization as per count at sl. no. 14(3) of CERC
124	Computers (9/8/05)	exclusion	411801	35200	2005	35199	2014-15	General nature items & do not form part of Capitalization as per count at sl. no. 14(3) of CERC
125	Computers (9/8/05)	exclusion	411801	35200	2005	35199	2014-15	General nature items & do not form part of Capitalization as per count at sl. no. 14(3) of CERC
126	Computers (9/8/05)	exclusion	411801	35200	2005	35199	2014-15	General nature items & do not form part of Capitalization as per count at sl. no. 14(3) of CERC
127	Computers (9/8/05)	exclusion	411801	35200	2005	35199	2014-15	General nature items & do not form part of Capitalization as per count at sl. no. 14(3) of CERC

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FY - 2014-15								
A	Deletion of assets (as per books of accounts) against replacement as approved							
S.No.	Description	Nature of de-capitlization (whether claimed under exclusion or as additional capital expenditure)	Account	Amount	Acquisition Date	Depreciation recovered till date of de-capitalization	Year of De-cpitalisation	Remarks
1	2		3	4	5	6		
128	Computers (9/8/05)	exclusion	411801	35200	2005	35199	2014-15	General nature items & do not form part of Capitalization as per count at sl. no. 14(3) of CERC
129	Computers (9/8/05)	exclusion	411801	35200	2005	35199	2014-15	General nature items & do not form part of Capitalization as per count at sl. no. 14(3) of CERC
130	PERSONAL COMPUTER(DESKTOP)	exclusion	411801	36000	2010	35999	2014-15	General nature items & do not form part of Capitalization as per count at sl. no. 14(3) of CERC
131	PERSONAL COMPUTER(DESKTOP)	exclusion	411801	36000	2010	35999	2014-15	General nature items & do not form part of Capitalization as per count at sl. no. 14(3) of CERC
132	PERSONAL COMPUTER (DESKTOP), HCL INFINITI L A375 PRO	exclusion	411801	37434	2012	14885	2014-15	General nature items & do not form part of Capitalization as per count at sl. no. 14(3) of CERC
133	LENOVO THINKCENTRE M92P DESKTOP COMPUTER	exclusion	411801	38260	2014	2161	2014-15	General nature items & do not form part of Capitalization as per count at sl. no. 14(3) of CERC
134	Hand disk	exclusion	411804	14300	1995	14299	2014-15	General nature items & do not form part of Capitalization as per count at sl. no. 14(3) of CERC
135	HP all in one printer,scanner and Fax (14.05.2008)	exclusion	411803	20592	2008	9041	2014-15	General nature items & do not form part of Capitalization as per count at sl. no. 14(3) of CERC
136	Lipi T-6045/450 LPM Pedestal Printer (transfer from computer head)	exclusion	411803	208202	1999	187382	2014-15	General nature items & do not form part of Capitalization as per count at sl. no. 14(3) of CERC
137	Printer	exclusion	411803	10800	2009	10799	2014-15	General nature items & do not form part of Capitalization as per count at sl. no. 14(3) of CERC
138	Printer	exclusion	411803	10800	2009	10799	2014-15	General nature items & do not form part of Capitalization as per count at sl. no. 14(3) of CERC

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FY - 2014-15								
A	Deletion of assets (as per books of accounts) against replacement as approved							
S.No.	Description	Nature of de-capitlization (whether claimed under exclusion or as additional capital expenditure)	Account	Amount	Acquisition Date	Depreciation recovered till date of de-capitalization	Year of De-cpitalisation	Remarks
1	2		3	4	5	6		
139	Laser Jet Printer (28/11/05)	exclusion	411803	18304	2005	18303	2014-15	General nature items & do not form part of Capitalization as per count at sl. no. 14(3) of CERC
140	Printer HP Laserjet 1320	exclusion	411803	23400	2005	23399	2014-15	General nature items & do not form part of Capitalization as per count at sl. no. 14(3) of CERC
141	Printer HP Laserjet 1320	exclusion	411803	23400	2005	23399	2014-15	General nature items & do not form part of Capitalization as per count at sl. no. 14(3) of CERC
142	Printer HP Laserjet 1320	exclusion	411803	23400	2005	23399	2014-15	General nature items & do not form part of Capitalization as per count at sl. no. 14(3) of CERC
143	Printer HP Laserjet 1320	exclusion	411803	23400	2005	23399	2014-15	General nature items & do not form part of Capitalization as per count at sl. no. 14(3) of CERC
144	Scanner, SJ-5200-CHP	exclusion	411804	17609	2000	17608	2014-15	General nature items & do not form part of Capitalization as per count at sl. no. 14(3) of CERC
145	24 port Cabletron ELS 100 stack module Lan Switch (Tr. From C.O.)	exclusion	411804	86180	2004	77562	2014-15	General nature items & do not form part of Capitalization as per count at sl. no. 14(3) of CERC
146	24 port Cabletron ELS 100 stack module Lan Switch (Tr. From C.O.)	exclusion	411804	86180	2004	77562	2014-15	General nature items & do not form part of Capitalization as per count at sl. no. 14(3) of CERC
147	DSL Modem (17.3.08)	exclusion	411804	11433	2008	11432	2014-15	General nature items & do not form part of Capitalization as per count at sl. no. 14(3) of CERC
148	DSL Modem (17.3.08)	exclusion	411804	11433	2008	11432	2014-15	General nature items & do not form part of Capitalization as per count at sl. no. 14(3) of CERC
149	DSL Modem (17.3.08)	exclusion	411804	11433	2008	11432	2014-15	General nature items & do not form part of Capitalization as per count at sl. no. 14(3) of CERC

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FY - 2014-15								
A	Deletion of assets (as per books of accounts) against replacement as approved							
S.No.	Description	Nature of de-capitlization (whether claimed under exclusion or as additional capital expenditure)	Account	Amount	Acquisition Date	Depreciation recovered till date of de-capitalization	Year of De-cpitalisation	Remarks
1	2		3	4	5	6		
150	C.D.Rom with remote	exclusion	411804	14175	1998	14174	2014-15	General nature items & do not form part of Capitalization as per count at sl. no. 14(3) of CERC
151	CD writer,7510E	exclusion	411804	16905	2000	16904	2014-15	General nature items & do not form part of Capitalization as per count at sl. no. 14(3) of CERC
152	LAN EXTENDER	exclusion	411804	20400	2011	18360	2014-15	General nature items & do not form part of Capitalization as per count at sl. no. 14(3) of CERC
153	Anti Glare Screen for comp.monitor	exclusion	411801	1989	2000	1988	2014-15	General nature items & do not form part of Capitalization as per count at sl. no. 14(3) of CERC
154	Anti Glare Screen for comp.monitor	exclusion	411801	1989	2000	1988	2014-15	General nature items & do not form part of Capitalization as per count at sl. no. 14(3) of CERC
155	Anti Glare Screen for comp.monitor	exclusion	411801	1989	2000	1988	2014-15	General nature items & do not form part of Capitalization as per count at sl. no. 14(3) of CERC
156	Anti Glare Screen for comp.monitor	exclusion	411801	1989	2000	1988	2014-15	General nature items & do not form part of Capitalization as per count at sl. no. 14(3) of CERC
157	Anti Glare Screen for comp.monitor	exclusion	411801	1989	2000	1988	2014-15	General nature items & do not form part of Capitalization as per count at sl. no. 14(3) of CERC
158	Anti Glare Screen for comp.monitor	exclusion	411801	1989	2000	1988	2014-15	General nature items & do not form part of Capitalization as per count at sl. no. 14(3) of CERC
159	Anti Glare Screen for comp.monitor	exclusion	411801	1989	2000	1988	2014-15	General nature items & do not form part of Capitalization as per count at sl. no. 14(3) of CERC
160	Anti Glare Screen for comp.monitor	exclusion	411801	1989	2000	1988	2014-15	General nature items & do not form part of Capitalization as per count at sl. no. 14(3) of CERC

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FY - 2014-15								
A	Deletion of assets (as per books of accounts) against replacement as approved							
S.No.	Description	Nature of de-capitlization (whether claimed under exclusion or as additional capital expenditure)	Account	Amount	Acquisition Date	Depreciation recovered till date of de-capitalization	Year of De-cpitalisation	Remarks
1	2		3	4	5	6		
161	Anti Glare Screen for comp.monitor	exclusion	411801	1989	2000	1988	2014-15	General nature items & do not form part of Capitalization as per count at sl. no. 14(3) of CERC
162	Anti Glare Screen for comp.monitor	exclusion	411801	1989	2000	1988	2014-15	General nature items & do not form part of Capitalization as per count at sl. no. 14(3) of CERC
163	DIGITAL COPIER & MULTIFUNCTIONAL OFFICE MACHINE, SAMSUNG SCX4828FN	exclusion	411803	19686	2010	19685	2014-15	General nature items & do not form part of Capitalization as per count at sl. no. 14(3) of CERC
164	Fax Modem, US ROBOTICS 56K-BPS	exclusion	411902	9706	1999	9705	2014-15	General nature items & do not form part of Capitalization as per count at sl. no. 14(3) of CERC
165	15W/100W,HF,SSB static, mobile model system	exclusion	411902	134981	2001	77788	2014-15	General nature items & do not form part of Capitalization as per count at sl. no. 14(3) of CERC
166	LED TV 48 INCH, SAMSUNG, MODEL - UA48H5100	exclusion	411903	77000	2014	0	2014-15	General nature items & do not form part of Capitalization as per count at sl. no. 14(3) of CERC
167	FRIDGE	exclusion	412005	1	2014	0	2014-15	General nature items & do not form part of Capitalization as per count at sl. no. 14(3) of CERC
168	WHEEL CHAIR	exclusion	412005	1	2014	0	2014-15	General nature items & do not form part of Capitalization as per count at sl. no. 14(3) of CERC
169	AIR CONDTIONER 2 TON CAPACITY SPLIT TYPE	exclusion	412008	27990	2011	6065	2014-15	General nature items & do not form part of Capitalization as per count at sl. no. 14(3) of CERC
170	CEILING FAN	exclusion	412011	1330	2014	0	2014-15	General nature items & do not form part of Capitalization as per count at sl. no. 14(3) of CERC
171	CEILING FAN	exclusion	412011	1330	2014	0	2014-15	General nature items & do not form part of Capitalization as per count at sl. no. 14(3) of CERC

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FY - 2014-15								
A	Deletion of assets (as per books of accounts) against replacement as approved							
S.No.	Description	Nature of de-capitlization (whether claimed under exclusion or as additional capital expenditure)	Account	Amount	Acquisition Date	Depreciation recovered till date of de-capitalization	Year of De-cpitalisation	Remarks
1	2		3	4	5	6		
172	CEILING FAN	exclusion	412011	1330	2014	0	2014-15	General nature items & do not form part of Capitalization as per count at sl. no. 14(3) of CERC
173	CEILING FAN	exclusion	412011	1330	2014	0	2014-15	General nature items & do not form part of Capitalization as per count at sl. no. 14(3) of CERC
174	CEILING FAN	exclusion	412011	1330	2014	0	2014-15	General nature items & do not form part of Capitalization as per count at sl. no. 14(3) of CERC
175	CEILING FAN	exclusion	412011	1330	2014	0	2014-15	General nature items & do not form part of Capitalization as per count at sl. no. 14(3) of CERC
176	CEILING FAN	exclusion	412011	1330	2014	0	2014-15	General nature items & do not form part of Capitalization as per count at sl. no. 14(3) of CERC
177	CEILING FAN	exclusion	412011	1330	2014	0	2014-15	General nature items & do not form part of Capitalization as per count at sl. no. 14(3) of CERC
178	CEILING FAN	exclusion	412011	1330	2014	0	2014-15	General nature items & do not form part of Capitalization as per count at sl. no. 14(3) of CERC
179	CEILING FAN	exclusion	412011	1330	2014	0	2014-15	General nature items & do not form part of Capitalization as per count at sl. no. 14(3) of CERC
180	Duplicating machine	exclusion	412003	4100	1989	4099	2014-15	General nature items & do not form part of Capitalization as per count at sl. no. 14(3) of CERC
181	Typewriter	exclusion	412002	5834	1990	5833	2014-15	General nature items & do not form part of Capitalization as per count at sl. no. 14(3) of CERC
182	XEROX MULTIFUNCTIONA PRINTER MODEL NO. 3100 PRINT/COPY/COLOUR SCAN AND FAX. LEDGER PRINTING MACHINE	exclusion	412020	13190	2011	2635	2014-15	General nature items & do not form part of Capitalization as per count at sl. no. 14(3) of CERC

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FY - 2014-15								
A	Deletion of assets (as per books of accounts) against replacement as approved							
S.No.	Description	Nature of de-capitlization (whether claimed under exclusion or as additional capital expenditure)	Account	Amount	Acquisition Date	Depreciation recovered till date of de-capitalization	Year of De-cpitalisation	Remarks
1	2		3	4	5	6		
183	Refrigerator 230 Ltr (04/06/07)	exclusion	412011	13490	2007	4304	2014-15	General nature items & do not form part of Capitalization as per count at sl. no. 14(3) of CERC
184	Refrigerator 175 Ltr. (27/3/06)	exclusion	412013	9028	2006	3365	2014-15	General nature items & do not form part of Capitalization as per count at sl. no. 14(3) of CERC
185	Desert cooler	exclusion	412007	1950	1998	1949	2014-15	General nature items & do not form part of Capitalization as per count at sl. no. 14(3) of CERC
186	Water cooler	exclusion	412007	18237	1993	18237	2014-15	General nature items & do not form part of Capitalization as per count at sl. no. 14(3) of CERC
187	Water cooler	exclusion	412007	13278	1993	13278	2014-15	General nature items & do not form part of Capitalization as per count at sl. no. 14(3) of CERC
188	Water cooler	exclusion	412007	25401	1988	25401	2014-15	General nature items & do not form part of Capitalization as per count at sl. no. 14(3) of CERC
189	Fogginh Machine	exclusion	412005	52000	2001	30120	2014-15	General nature items & do not form part of Capitalization as per count at sl. no. 14(3) of CERC
190	Water Cooler CS 40/40 2008MSR 1067	exclusion	412011	20300	2009	6071	2014-15	General nature items & do not form part of Capitalization as per count at sl. no. 14(3) of CERC
191	Water Cooler CS 40/80 2009BSR 8181	exclusion	412011	21850	2009	6526	2014-15	General nature items & do not form part of Capitalization as per count at sl. no. 14(3) of CERC
192	Water Cooler CS 40/80 2009BSR 8198	exclusion	412011	21850	2009	6526	2014-15	General nature items & do not form part of Capitalization as per count at sl. no. 14(3) of CERC
193	Heat convector	exclusion	412503	1240	1999	1239	2014-15	General nature items & do not form part of Capitalization as per count at sl. no. 14(3) of CERC

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FY - 2014-15								
A	Deletion of assets (as per books of accounts) against replacement as approved							
S.No.	Description	Nature of de-capitlization (whether claimed under exclusion or as additional capital expenditure)	Account	Amount	Acquisition Date	Depreciation recovered till date of de-capitalization	Year of De-cpitalisation	Remarks
1	2		3	4	5	6		
194	Heat convector	exclusion	412503	1240	1999	1239	2014-15	General nature items & do not form part of Capitalization as per count at sl. no. 14(3) of CERC
195	Heat convector	exclusion	412503	1240	1999	1239	2014-15	General nature items & do not form part of Capitalization as per count at sl. no. 14(3) of CERC
196	Heat convector	exclusion	412503	1240	1999	1239	2014-15	General nature items & do not form part of Capitalization as per count at sl. no. 14(3) of CERC
197	Heat convector	exclusion	412503	1240	1999	1239	2014-15	General nature items & do not form part of Capitalization as per count at sl. no. 14(3) of CERC
198	Heat convector	exclusion	412503	1240	1999	1239	2014-15	General nature items & do not form part of Capitalization as per count at sl. no. 14(3) of CERC
199	DRAGON LIGHT WITH CHARGER	exclusion	412502	5610	2013	157	2014-15	General nature items & do not form part of Capitalization as per count at sl. no. 14(3) of CERC
200	DRAGON LIGHT WITH CHARGER	exclusion	412502	5610	2013	157	2014-15	General nature items & do not form part of Capitalization as per count at sl. no. 14(3) of CERC
201	AIWA TV with asse.	exclusion	412503	9871	2000	9870	2014-15	General nature items & do not form part of Capitalization as per count at sl. no. 14(3) of CERC
202	AIWA TV with asse.	exclusion	412503	9871	2000	9870	2014-15	General nature items & do not form part of Capitalization as per count at sl. no. 14(3) of CERC
203	Sharp VCR, model MA-31	exclusion	412501	11500	1999	11499	2014-15	General nature items & do not form part of Capitalization as per count at sl. no. 14(3) of CERC
204	HYDRAULIC JACK 10 TON CAPACITY WITH HANDLE	exclusion	412503	28280	2012	2841	2014-15	General nature items & do not form part of Capitalization as per count at sl. no. 14(3) of CERC

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FY - 2014-15								
A	Deletion of assets (as per books of accounts) against replacement as approved							
S.No.	Description	Nature of de-capitlization (whether claimed under exclusion or as additional capital expenditure)	Account	Amount	Acquisition Date	Depreciation recovered till date of de-capitalization	Year of De-cpitalisation	Remarks
1	2		3	4	5	6		
205	HYDRAULIC JACK 5 TON	exclusion	412503	21405	2012	2154	2014-15	General nature items & do not form part of Capitalization as per count at sl. no. 14(3) of CERC
206	Electronic Weighing M/c - 6 KG, least count 1gm.(02/06/2007)	exclusion	412503	8755	2007	2673	2014-15	General nature items & do not form part of Capitalization as per count at sl. no. 14(3) of CERC
207	Water cooler, Model-Sr 60/120	exclusion	412503	26402	2001	15409	2014-15	General nature items & do not form part of Capitalization as per count at sl. no. 14(3) of CERC
208	Foggine machine	exclusion	412503	52000	1995	46800	2014-15	General nature items & do not form part of Capitalization as per count at sl. no. 14(3) of CERC
209	Mats design	exclusion	412503	6163	1986	6162	2014-15	General nature items & do not form part of Capitalization as per count at sl. no. 14(3) of CERC
210	Car sterio, model-XRS-1807, No. 807378	exclusion	412503	7990	1999	7989	2014-15	General nature items & do not form part of Capitalization as per count at sl. no. 14(3) of CERC
211	Folding Ladder	exclusion	412801	4446	1993	4445	2014-15	General nature items & do not form part of Capitalization as per count at sl. no. 14(3) of CERC
212	Ladders 206/202/208 L	exclusion	412801	2637	1993	2636	2014-15	General nature items & do not form part of Capitalization as per count at sl. no. 14(3) of CERC
213	CHAIR (GODREJ PCH7004)	exclusion	412801	4528	2010	4527	2014-15	General nature items & do not form part of Capitalization as per count at sl. no. 14(3) of CERC
214	CHAIR (GODREJ PCH7004)	exclusion	412801	4528	2010	4527	2014-15	General nature items & do not form part of Capitalization as per count at sl. no. 14(3) of CERC
215	CHAIR (GODREJ PCH7004)	exclusion	412801	4528	2010	4527	2014-15	General nature items & do not form part of Capitalization as per count at sl. no. 14(3) of CERC

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FY - 2014-15								
A	Deletion of assets (as per books of accounts) against replacement as approved							
S.No.	Description	Nature of de-capitlization (whether claimed under exclusion or as additional capital expenditure)	Account	Amount	Acquisition Date	Depreciation recovered till date of de-capitalization	Year of De-cpitalisation	Remarks
1	2		3	4	5	6		
216	CHAIR (GODREJ PCH7004)	exclusion	412801	4528	2010	4527	2014-15	General nature items & do not form part of Capitalization as per count at sl. no. 14(3) of CERC
217	Chair- CH-11	exclusion	412801	1431	1989	1430	2014-15	General nature items & do not form part of Capitalization as per count at sl. no. 14(3) of CERC
218	Chair- CH-13	exclusion	412801	763	1991	762	2014-15	General nature items & do not form part of Capitalization as per count at sl. no. 14(3) of CERC
219	Chair- CH-13	exclusion	412801	876	1986	875	2014-15	General nature items & do not form part of Capitalization as per count at sl. no. 14(3) of CERC
220	Chair- CH-13	exclusion	412801	1345	1991	1344	2014-15	General nature items & do not form part of Capitalization as per count at sl. no. 14(3) of CERC
221	Chair- CH-13	exclusion	412801	1344	1991	1343	2014-15	General nature items & do not form part of Capitalization as per count at sl. no. 14(3) of CERC
222	Chair- CH-13	exclusion	412801	1344	1991	1343	2014-15	General nature items & do not form part of Capitalization as per count at sl. no. 14(3) of CERC
223	Table-T-104	exclusion	412801	2690	1985	2689	2014-15	General nature items & do not form part of Capitalization as per count at sl. no. 14(3) of CERC
224	Table-T-8	exclusion	412801	1658	1988	1657	2014-15	General nature items & do not form part of Capitalization as per count at sl. no. 14(3) of CERC
225	Table-T-8 & T-9	exclusion	412801	1810	1987	1809	2014-15	General nature items & do not form part of Capitalization as per count at sl. no. 14(3) of CERC
226	Wooden benches	exclusion	412801	1196	2001	1195	2014-15	General nature items & do not form part of Capitalization as per count at sl. no. 14(3) of CERC

ASSOCIATES FRN 006791N NEW DELHI CHARTERED ACCOUNTANTS

FY - 2014-15								
A	Deletion of assets (as per books of accounts) against replacement as approved							
S.No.	Description	Nature of de-capitlization (whether claimed under exclusion or as additional capital expenditure)	Account	Amount	Acquisition Date	Depreciation recovered till date of de-capitalization	Year of De-cpitalisation	Remarks
1	2		3	4	5	6		
227	Ceiling Fan48 1200 MM (29.05.08)	exclusion	412801	923	2008	922	2014-15	General nature items & do not form part of Capitalization as per count at sl. no. 14(3) of CERC
228	Ceiling Fan48 1200 MM (29.05.08)	exclusion	412801	923	2008	922	2014-15	General nature items & do not form part of Capitalization as per count at sl. no. 14(3) of CERC
229	Ceiling Fan48 1200 MM (29.05.08)	exclusion	412801	923	2008	922	2014-15	General nature items & do not form part of Capitalization as per count at sl. no. 14(3) of CERC
230	Ceiling Fan48 1200 MM (29.05.08)	exclusion	412801	922	2008	921	2014-15	General nature items & do not form part of Capitalization as per count at sl. no. 14(3) of CERC
231	Ceiling Fan48 1200 MM (29.05.08)	exclusion	412801	922	2008	921	2014-15	General nature items & do not form part of Capitalization as per count at sl. no. 14(3) of CERC
232	Ceiling Fan48 1200 MM (29.05.08)	exclusion	412801	922	2008	921	2014-15	General nature items & do not form part of Capitalization as per count at sl. no. 14(3) of CERC
233	Padestal Fan 400mm (11.11.08)	exclusion	412801	1695	2008	1694	2014-15	General nature items & do not form part of Capitalization as per count at sl. no. 14(3) of CERC
234	Padestal Fan 400mm (11.11.08)	exclusion	412801	1695	2008	1694	2014-15	General nature items & do not form part of Capitalization as per count at sl. no. 14(3) of CERC
235	Padestal Fan 400mm (11.11.08)	exclusion	412801	1695	2008	1694	2014-15	General nature items & do not form part of Capitalization as per count at sl. no. 14(3) of CERC
236	Padestal Fan 400mm (11.11.08)	exclusion	412801	1695	2008	1694	2014-15	General nature items & do not form part of Capitalization as per count at sl. no. 14(3) of CERC
237	Padestal Fan 400mm (11.11.08)	exclusion	412801	1695	2008	1694	2014-15	General nature items & do not form part of Capitalization as per count at sl. no. 14(3) of CERC

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FY - 2014-15								
A	Deletion of assets (as per books of accounts) against replacement as approved							
S.No.	Description	Nature of de-capitlization (whether claimed under exclusion or as additional capital expenditure)	Account	Amount	Acquisition Date	Depreciation recovered till date of de-capitalization	Year of De-cpitalisation	Remarks
1	2		3	4	5	6		
238	Padestal Fan 400mm (11.11.08)	exclusion	412801	1695	2008	1694	2014-15	General nature items & do not form part of Capitalization as per count at sl. no. 14(3) of CERC
239	HAND HELD SEARCH LIGHT	exclusion	412801	4950	2011	4949	2014-15	General nature items & do not form part of Capitalization as per count at sl. no. 14(3) of CERC
240	Pen Drive-Transcend 1GB (1.9.06 & 3.10.06)	exclusion	412801	1249	2006	1248	2014-15	General nature items & do not form part of Capitalization as per count at sl. no. 14(3) of CERC
241	Pen Drive-Transcend 1GB (1.9.06 & 3.10.06)	exclusion	412801	1249	2006	1248	2014-15	General nature items & do not form part of Capitalization as per count at sl. no. 14(3) of CERC
242	Internal CD Writer (28/11/05)	exclusion	412801	1350	2005	1349	2014-15	General nature items & do not form part of Capitalization as per count at sl. no. 14(3) of CERC
243	Internal CD Writer (28/11/05)	exclusion	412801	1350	2005	1349	2014-15	General nature items & do not form part of Capitalization as per count at sl. no. 14(3) of CERC
244	Internal CD Writer (28/11/05)	exclusion	412801	1350	2005	1349	2014-15	General nature items & do not form part of Capitalization as per count at sl. no. 14(3) of CERC
245	Internal CD Writer (28/11/05)	exclusion	412801	1350	2005	1349	2014-15	General nature items & do not form part of Capitalization as per count at sl. no. 14(3) of CERC
246	Internal CD Writer (28/11/05)	exclusion	412801	1350	2005	1349	2014-15	General nature items & do not form part of Capitalization as per count at sl. no. 14(3) of CERC
247	Internal CD Writer (28/11/05)	exclusion	412801	1350	2005	1349	2014-15	General nature items & do not form part of Capitalization as per count at sl. no. 14(3) of CERC
248	8 Port ethernet switch	exclusion	412801	1980	2004	1979	2014-15	General nature items & do not form part of Capitalization as per count at sl. no. 14(3) of CERC

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FY - 2014-15								
A	Deletion of assets (as per books of accounts) against replacement as approved							
S.No.	Description	Nature of de-capitlization (whether claimed under exclusion or as additional capital expenditure)	Account	Amount	Acquisition Date	Depreciation recovered till date of de-capitalization	Year of De-cpitalisation	Remarks
1	2		3	4	5	6		
249	8 Port ethernet switch	exclusion	412801	1980	2004	1979	2014-15	General nature items & do not form part of Capitalization as per count at sl. no. 14(3) of CERC
250	8 port fast ethernet switch-HUB (19.09.08)	exclusion	412801	1400	2008	1399	2014-15	General nature items & do not form part of Capitalization as per count at sl. no. 14(3) of CERC
251	8 port fast ethernet switch-HUB (25.08.08)	exclusion	412801	890	2008	889	2014-15	General nature items & do not form part of Capitalization as per count at sl. no. 14(3) of CERC
252	8 port fast ethernet switch-HUB (25.08.08)	exclusion	412801	890	2008	889	2014-15	General nature items & do not form part of Capitalization as per count at sl. no. 14(3) of CERC
253	8 port fast ethernet switch-HUB (25.08.08)	exclusion	412801	890	2008	889	2014-15	General nature items & do not form part of Capitalization as per count at sl. no. 14(3) of CERC
254	Typewriter	exclusion	412801	2328	1995	2327	2014-15	General nature items & do not form part of Capitalization as per count at sl. no. 14(3) of CERC
255	Typewriter	exclusion	412801	2275	1995	2274	2014-15	General nature items & do not form part of Capitalization as per count at sl. no. 14(3) of CERC
256	Typewriter	exclusion	412801	2275	1995	2274	2014-15	General nature items & do not form part of Capitalization as per count at sl. no. 14(3) of CERC
257	Typewriter	exclusion	412801	2089	1984	2088	2014-15	General nature items & do not form part of Capitalization as per count at sl. no. 14(3) of CERC
258	Typewriter	exclusion	412801	2089	1984	2088	2014-15	General nature items & do not form part of Capitalization as per count at sl. no. 14(3) of CERC
259	Typewriter	exclusion	412801	2089	1984	2088	2014-15	General nature items & do not form part of Capitalization as per count at sl. no. 14(3) of CERC

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FY - 2014-15								
A	Deletion of assets (as per books of accounts) against replacement as approved							
S.No.	Description	Nature of de-capitlization (whether claimed under exclusion or as additional capital expenditure)	Account	Amount	Acquisition Date	Depreciation recovered till date of de-capitalization	Year of De-cpitalisation	Remarks
1	2		3	4	5	6		
260	Typewriter	exclusion	412801	2089	1984	2088	2014-15	General nature items & do not form part of Capitalization as per count at sl. no. 14(3) of CERC
261	Typewriter	exclusion	412801	2089	1984	2088	2014-15	General nature items & do not form part of Capitalization as per count at sl. no. 14(3) of CERC
262	Typewriter	exclusion	412801	1094	1987	1093	2014-15	General nature items & do not form part of Capitalization as per count at sl. no. 14(3) of CERC
263	Typewriter	exclusion	412801	1094	1987	1093	2014-15	General nature items & do not form part of Capitalization as per count at sl. no. 14(3) of CERC
264	Typewriter	exclusion	412801	1094	1987	1093	2014-15	General nature items & do not form part of Capitalization as per count at sl. no. 14(3) of CERC
265	Typewriter	exclusion	412801	1094	1987	1093	2014-15	General nature items & do not form part of Capitalization as per count at sl. no. 14(3) of CERC
266	Typewriter	exclusion	412801	4258	1991	4257	2014-15	General nature items & do not form part of Capitalization as per count at sl. no. 14(3) of CERC
267	Typewriter	exclusion	412801	4258	1991	4257	2014-15	General nature items & do not form part of Capitalization as per count at sl. no. 14(3) of CERC
268	Typewriter	exclusion	412801	4258	1991	4257	2014-15	General nature items & do not form part of Capitalization as per count at sl. no. 14(3) of CERC
269	Typewriter	exclusion	412801	4257	1991	4256	2014-15	General nature items & do not form part of Capitalization as per count at sl. no. 14(3) of CERC
270	Typewriter	exclusion	412801	4257	1991	4256	2014-15	General nature items & do not form part of Capitalization as per count at sl. no. 14(3) of CERC

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FY - 2014-15								
A	Deletion of assets (as per books of accounts) against replacement as approved							
S.No.	Description	Nature of de-capitlization (whether claimed under exclusion or as additional capital expenditure)	Account	Amount	Acquisition Date	Depreciation recovered till date of de-capitalization	Year of De-cpitalisation	Remarks
1	2		3	4	5	6		
271	Typewriter	exclusion	412801	4257	1991	4256	2014-15	General nature items & do not form part of Capitalization as per count at sl. no. 14(3) of CERC
272	Typewriter	exclusion	412801	4257	1991	4256	2014-15	General nature items & do not form part of Capitalization as per count at sl. no. 14(3) of CERC
273	LPG Stove three burner (17.05.2008)	exclusion	412801	2740	2008	2739	2014-15	General nature items & do not form part of Capitalization as per count at sl. no. 14(3) of CERC
274	Desert cooler MS sheet body with heavy dutu exhaust fan (8.03.2008)	exclusion	412801	3610	2008	3609	2014-15	General nature items & do not form part of Capitalization as per count at sl. no. 14(3) of CERC
275	Desert Cooler MS sheet body(28.05.2007)	exclusion	412801	2500	2007	2499	2014-15	General nature items & do not form part of Capitalization as per count at sl. no. 14(3) of CERC
276	Vaccum cleaner	exclusion	412801	3990	1993	3989	2014-15	General nature items & do not form part of Capitalization as per count at sl. no. 14(3) of CERC
277	MATTRESS (72'X36) (4 THICK)	exclusion	412801	3644	2012	3643	2014-15	General nature items & do not form part of Capitalization as per count at sl. no. 14(3) of CERC
278	MATTRESS (72'X36) (4 THICK)	exclusion	412801	3644	2012	3643	2014-15	General nature items & do not form part of Capitalization as per count at sl. no. 14(3) of CERC
279	MATTRESS (72'X36) (4 THICK)	exclusion	412801	3644	2012	3643	2014-15	General nature items & do not form part of Capitalization as per count at sl. no. 14(3) of CERC
280	MATTRESS (72'X36) (4 THICK)	exclusion	412801	3644	2012	3643	2014-15	General nature items & do not form part of Capitalization as per count at sl. no. 14(3) of CERC
281	MATTRESS (72'X36) (4 THICK)	exclusion	412801	3644	2012	3643	2014-15	General nature items & do not form part of Capitalization as per count at sl. no. 14(3) of CERC

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FY - 2014-15								
A	Deletion of assets (as per books of accounts) against replacement as approved							
S.No.	Description	Nature of de-capitlization (whether claimed under exclusion or as additional capital expenditure)	Account	Amount	Acquisition Date	Depreciation recovered till date of de-capitalization	Year of De-cpitalisation	Remarks
1	2		3	4	5	6		
282	MATTRESS (72'X36) (4 THICK)	exclusion	412801	3644	2012	3643	2014-15	General nature items & do not form part of Capitalization as per count at sl. no. 14(3) of CERC
283	MATTRESS (72'X36) (4 THICK)	exclusion	412801	3644	2012	3643	2014-15	General nature items & do not form part of Capitalization as per count at sl. no. 14(3) of CERC
284	MATTRESS (72'X36) (4 THICK)	exclusion	412801	3644	2012	3643	2014-15	General nature items & do not form part of Capitalization as per count at sl. no. 14(3) of CERC
285	MATTRESS (72'X36) (4 THICK)	exclusion	412801	3644	2012	3643	2014-15	General nature items & do not form part of Capitalization as per count at sl. no. 14(3) of CERC
286	MATTRESS (72'X36) (4 THICK)	exclusion	412801	3644	2012	3643	2014-15	General nature items & do not form part of Capitalization as per count at sl. no. 14(3) of CERC
287	MATTRESS (72'X36) (4 THICK)	exclusion	412801	3644	2012	3643	2014-15	General nature items & do not form part of Capitalization as per count at sl. no. 14(3) of CERC
288	MATTRESS (72'X36) (4 THICK)	exclusion	412801	3644	2012	3643	2014-15	General nature items & do not form part of Capitalization as per count at sl. no. 14(3) of CERC
289	Dental chair,etc.	exclusion	412801	2166	1992	2165	2014-15	General nature items & do not form part of Capitalization as per count at sl. no. 14(3) of CERC
290	CENTRAL TABEL CE-RO	exclusion	411701	6200	2012	1462	2014-15	IUT
291	SOFA SOFTL CE-RO	exclusion	411701	16740	2004	10471	2014-15	IUT
292	WOODEN CHAIR(LKO)	exclusion	411701	4522	2000	4521	2014-15	IUT
293	WOODEN CHAIR(LKO)	exclusion	411701	4522	2000	4521	2014-15	IUT
294	WOODEN CHAIR(LKO)	exclusion	411701	4522	2000	4521	2014-15	IUT
295	WOODEN CHAIR(LKO)	exclusion	411701	4522	2000	4521	2014-15	IUT

FY - 2014-15								
A	Deletion of assets (as per books of accounts) against replacement as approved							
S.No.	Description	Nature of de-capitlization (whether claimed under exclusion or as additional capital expenditure)	Account	Amount	Acquisition Date	Depreciation recovered till date of de-capitalization	Year of De-cpitalisation	Remarks
1	2		3	4	5	6		
296	WOODEN CHAIR(LKO)	exclusion	411701	4522	2000	4521	2014-15	IUT
297	WOODEN CHAIR(LKO)	exclusion	411701	4522	2000	4521	2014-15	IUT
298	WOODEN CHAIR(LKO)	exclusion	411701	4605	2000	4604	2014-15	IUT
299	WOODEN CHAIR(LKO)	exclusion	411701	4605	2000	4604	2014-15	IUT
300	WOODEN CHAIR(LKO)	exclusion	411701	4605	2000	4604	2014-15	IUT
301	WOODEN CHAIR(LKO)	exclusion	411701	4605	2000	4604	2014-15	IUT
302	WOODEN CHAIR(LKO)	exclusion	411701	4605	2000	4604	2014-15	IUT
303	WOODEN CHAIR(LKO)	exclusion	411701	4605	2000	4604	2014-15	IUT
304	WOODEN CHAIR(LKO)	exclusion	411701	4605	2000	4604	2014-15	IUT
305	WOODEN CHAIR(LKO)	exclusion	411701	4605	2000	4604	2014-15	IUT
306	WOODEN CHAIR(LKO)	exclusion	411701	4605	2000	4604	2014-15	IUT
307	WOODEN CHAIR(LKO)	exclusion	411701	4605	2000	4604	2014-15	IUT
308	WOODEN CHAIR(LKO)	exclusion	411701	4605	2000	4604	2014-15	IUT
309	WOODEN CHAIR(LKO)	exclusion	411701	4605	2000	4604	2014-15	IUT
310	CHAIR FUL ARMS	exclusion	411701	4696	2000	4695	2014-15	IUT
311	CHAIR FUL ARMS	exclusion	411701	4696	2000	4695	2014-15	IUT
312	CHAIR FUL ARMS	exclusion	411701	4696	2000	4695	2014-15	IUT
313	VEETNA CHAIR	exclusion	411701	5500	2000	5499	2014-15	IUT
314	Regency CHAIR	exclusion	411701	5400	2003	5399	2014-15	IUT
315	REGENCY CHAIR	exclusion	411701	5500	2000	5499	2014-15	IUT
316	REGENCY CHAIR	exclusion	411701	5400	2000	5399	2014-15	IUT

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FY - 2014-15								
A	Deletion of assets (as per books of accounts) against replacement as approved							
S.No.	Description	Nature of de-capitlization (whether claimed under exclusion or as additional capital expenditure)	Account	Amount	Acquisition Date	Depreciation recovered till date of de-capitalization	Year of De-cpitalisation	Remarks
1	2		3	4	5	6		
317	STORE WELL OFFICE FURNITURE FOR LUCKNOW OFFICE	exclusion	411701	4760	2003	4759	2014-15	IUT
318	store well OFFICE FURNITURE FOR LO LUCKNOW	exclusion	411701	4760	2003	4759	2014-15	IUT
319	store well OFFICE FURNITURE FOR LO LUCKNOW	exclusion	411701	5573	2003	5572	2014-15	IUT
320	STORE WELL BIG SIZE FURNITURE FOR LO LUCKNOW	exclusion	411701	4760	2003	4759	2014-15	IUT
321	OFFICE FURNITURE FOR LO LUCKNOW	exclusion	411701	4760	2003	4759	2014-15	IUT
322	STOREWELL STEEL BIG SIZE M/S S KUMAR EXPORTS,LKO	exclusion	411701	4760	2003	4759	2014-15	IUT
323	STOREWELL STEEL BIG SIZE M/S S KUMAR EXPORTS,LKO	exclusion	411701	4760	2003	4759	2014-15	IUT
324	STOREWELL STEEL BIG SIZE M/S S KUMAR EXPORTS,LKO	exclusion	411701	4760	2003	4759	2014-15	IUT
325	STOREWELL GODREJ MAKE,LKO	exclusion	411701	4522	2001	4521	2014-15	IUT
326	STOREWELL STEE	exclusion	411701	4522	2001	4521	2014-15	IUT
327	THREE SEATER SOFA M/S MODERN INTERIOR , LO LUCKNOW	exclusion	411701	22441	2000	22440	2014-15	IUT
328	SOFA SET FOR LO LUCKNOW	exclusion	411701	7480	2000	7479	2014-15	IUT
329	SOFA SET FOR LO LUCKNOW	exclusion	411701	3851	2000	3850	2014-15	IUT
330	TABLE(t-9) FOR LO LUCKNOW	exclusion	411701	4852	2000	4851	2014-15	IUT
331	Computer tabel	exclusion	411701	5868	2003	5867	2014-15	IUT
332	OFFFICE FURNITURE	exclusion	411701	5080	2000	5079	2014-15	IUT
333	OFFFICE FURNITURE	exclusion	411701	5080	2000	5079	2014-15	IUT

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FY - 2014-15								
A	Deletion of assets (as per books of accounts) against replacement as approved							
S.No.	Description	Nature of de-capitlization (whether claimed under exclusion or as additional capital expenditure)	Account	Amount	Acquisition Date	Depreciation recovered till date of de-capitalization	Year of De-cpitalisation	Remarks
1	2		3	4	5	6		
334	OFFFICE FURNITURE	exclusion	411701	5080	2000	5079	2014-15	IUT
335	OFFFICE FURNITURE TABLE DOUBLE DRAWER	exclusion	411701	5080	2000	5079	2014-15	IUT
336	TABLE DOUBLE DRQWER	exclusion	411701	5080	2000	5079	2014-15	IUT
337	TABLE DOUBLE DRAWER	exclusion	411701	5080	2000	5079	2014-15	IUT
338	TABLE DOUBLE DRAWER	exclusion	411701	5080	2000	5079	2014-15	IUT
339	TABLE DOUBLE DRAWER	exclusion	411701	5080	2000	5079	2014-15	IUT
340	TABLE DOUBLE DRAWER	exclusion	411701	5080	2000	5079	2014-15	IUT
341	TABLE DOUBLE DRAWER	exclusion	411701	5080	2000	5079	2014-15	IUT
342	TABLE DOUBLE DRAWER	exclusion	411701	5080	2000	5079	2014-15	IUT
343	TABLE DOUBLE DRAWER	exclusion	411701	5080	2000	5079	2014-15	IUT
344	TABLE DOUBLE DRAWER	exclusion	411701	5080	2000	5079	2014-15	IUT
345	OFFFICE FURNITURE	exclusion	411701	5080	2000	5079	2014-15	IUT
346	Table duble drwar	exclusion	411701	5080	2000	5079	2014-15	IUT
347	TABLE DOUBLE DRAWER	exclusion	411701	5080	2000	5079	2014-15	IUT
348	TABLE DOUBLE DRAWER	exclusion	411701	5080	2000	5079	2014-15	IUT
349	TABLE DOUBLE DRAWER	exclusion	411701	5080	2000	5079	2014-15	IUT
350	TABLE DOUBLE DRAWER	exclusion	411701	5080	2000	5079	2014-15	IUT
351	Table -t 202	exclusion	411701	16101	2000	10627	2014-15	IUT
352	Table -t 202	exclusion	411701	16101	2000	10627	2014-15	IUT
353	modular partition including table and drawer	exclusion	411701	10714	2005	10713	2014-15	IUT

GSP & ASSOCIATES FRN 005791N NEW DELHI CHARTERED ACCOUNTANTS

FY - 2014-15								
A	Deletion of assets (as per books of accounts) against replacement as approved							
S.No.	Description	Nature of de-capitlization (whether claimed under exclusion or as additional capital expenditure)	Account	Amount	Acquisition Date	Depreciation recovered till date of de-capitalization	Year of De-cpitalisation	Remarks
1	2		3	4	5	6		
354	modular partition including table and drwaer	exclusion	411701	10714	2005	10713	2014-15	IUT
355	modular partition including table and drwaer	exclusion	411701	10714	2005	10713	2014-15	IUT
356	FURNITURES	exclusion	411701	3405	2000	3404	2014-15	IUT
357	FURNITURES	exclusion	411701	1519	2003	1518	2014-15	IUT
358	FURNITURES	exclusion	411701	1519	2003	1518	2014-15	IUT
359	SINGLE BED MADE OF 19MM BOARD WITH 6MM TEAK M/S UP EXPORT LKO.	exclusion	411701	5610	2001	5609	2014-15	IUT
360	DOUBLE BED BOX TYPE UP EXPORT CO.LTD.	exclusion	411701	13090	2001	8615	2014-15	IUT
361	SINGLE BED MADE OF 19MM BOARD WITH 6MM TEAK M/S UP EXPORT LKO.	exclusion	411701	5610	2001	5609	2014-15	IUT
362	SINGLE BED MADE OF 19MM BOARD WITH 6MM TEAK M/S UP EXPORT LKO.	exclusion	411701	5610	2001	5609	2014-15	IUT
363	SINGLE BED MADE OF 19MM BOARD WITH 6MM TEAK M/S UP EXPORT LKO.	exclusion	411701	5610	2001	5609	2014-15	IUT
364	REVOLVING CHAIR GODREJ & BAYCLE MFD	exclusion	411701	2500	2000	2499	2014-15	IUT
365	REVOLVING CHAIR GODREJ & BAYCLE MFD	exclusion	411701	2500	2000	2499	2014-15	IUT
366	REVOLVING CHAIR GODREJ & BAYCLE MFD	exclusion	411701	2500	2000	2499	2014-15	IUT
367	COMPUTER CHAIR	exclusion	411701	3004	2000	3003	2014-15	IUT
368	REGENCY CHAIR	exclusion	411701	3386	2003	3385	2014-15	IUT
369	VEENTA CHAIR	exclusion	411701	3386	2003	3385	2014-15	IUT
370	TV TROLLY UP EXPORT LKO	exclusion	411701	1964	2001	1963	2014-15	IUT

DSP & ASSOCIATES FRN 006791N NEW DELHI CHARTERED ACCOUNTANTS

FY - 2014-15								
A	Deletion of assets (as per books of accounts) against replacement as approved							
S.No.	Description	Nature of de-capitlization (whether claimed under exclusion or as additional capital expenditure)	Account	Amount	Acquisition Date	Depreciation recovered till date of de-capitalization	Year of De-cpitalisation	Remarks
1	2		3	4	5	6		
371	SOFA CLOTH	exclusion	411701	2553	2000	2552	2014-15	IUT
372	MATTRESS	exclusion	411701	1708	2000	1707	2014-15	IUT
373	MATTRESS	exclusion	411701	1708	2000	1707	2014-15	IUT
374	MATTRESS	exclusion	411701	1708	2000	1707	2014-15	IUT
375	MATTRESS	exclusion	411701	1708	2000	1707	2014-15	IUT
376	MATTRESS	exclusion	411701	1708	2000	1707	2014-15	IUT
377	MATTRESS	exclusion	411701	1708	2000	1707	2014-15	IUT
378	WOODEN DIVAN WITH MATTRESS	exclusion	411702	16000	2012	3721	2014-15	IUT
379	TOSHIBA SPLIT AC 2.0T	exclusion	411702	55000	2009	17956	2014-15	IUT
380	TV -L.E.D. - 40FS500	exclusion	411702	16500	2013	932	2014-15	IUT
381	AQUA GUARD, GUEST HOUSE LUCKNOW	exclusion	411707	4993	2005	4992	2014-15	IUT
382	AQUA GUARD, GUEST HOUSE LUCKNOW	exclusion	411707	4993	2005	4992	2014-15	IUT
383	AQUA GUARD, GUEST HOUSE LUCKNOW	exclusion	411707	4993	2005	4992	2014-15	IUT
384	WASHING MACHINE, GUEST HOUSE LUCKNOW	exclusion	411707	7368	2005	7367	2014-15	IUT
385	GUEST HOUSE LUCKNOW	exclusion	411707	4993	2005	4992	2014-15	IUT
386	AC for lucknow office	exclusion	411707	4993	2005	4992	2014-15	IUT
387	AC for lo lucknow	exclusion	411707	4993	2005	4992	2014-15	IUT
388	AC for lo lucknow	exclusion	411707	4993	2005	4992	2014-15	IUT
389	AC for lo lucknow	exclusion	411707	4993	2005	4992	2014-15	IUT
390	LAPTOP DELL INSPIRON -5537	exclusion	411801	56175	2014	2307	2014-15	IUT

DSP & ASSOCIATES CHARTERED ACCOUNTANTS FRN:006791N NEW DELHI

FY - 2014-15								
A	Deletion of assets (as per books of accounts) against replacement as approved							
S.No.	Description	Nature of de-capitlization (whether claimed under exclusion or as additional capital expenditure)	Account	Amount	Acquisition Date	Depreciation recovered till date of de-capitalization	Year of De-cpitalisation	Remarks
1	2		3	4	5	6		
391	DELL NOTE BOOK- XPS 16 (CORE I7) S.NO.FN3N4BS	exclusion	411801	79650	2010	71685	2014-15	IUT
392	EPSON MAKE COMPUTER PRINTER DOT MATRIX	exclusion	411801	1480	2000	1479	2014-15	IUT
393	HP PRINTER M/S NEW KALPTRU COMPUTERS(4IN ONE)	exclusion	411801	1352	2004	1351	2014-15	IUT
394	COMPUTER	exclusion	411801	8460	2012	3187	2014-15	IUT
395	COMPUTER M/S RAKSHIT COMPUTER(ONE SET TRFD TO C.O. IN 2003-04)	exclusion	411801	14984	2012	5637	2014-15	IUT
396	COMPUTER M/S RAKSHIT COMPUTER(ONE SET TRFD TO C.O. IN 2003-04)	exclusion	411801	14984	2012	5637	2014-15	IUT
397	COMPUTER M/S RAKSHIT COMPUTER(ONE SET TRFD TO C.O. IN 2003-04)	exclusion	411801	14984	2012	5637	2014-15	IUT
398	HP PRINTER M/S NEW KALPTRU COMPUTERS(4IN ONE)	exclusion	411801	9359	2012	3518	2014-15	IUT
399	PRINTER(HP-MAKE)	exclusion	411803	11516	2003	11515	2014-15	IUT
400	PRINTER	exclusion	411803	1450	2002	1449	2014-15	IUT
401	AIR CONDITIONER(4 NOS. TRF.FROM CO. & 1NO. TRF TO CO.)LKO	exclusion	412008	55060	2000	49554	2014-15	IUT
402	AIR CONDITIONER(4 NOS. TRF.FROM CO. & 1NO. TRF TO CO.)LKO	exclusion	412008	55060	2000	49554	2014-15	IUT
403	AIR CONDITIONER(4 NOS. TRF.FROM CO. & 1NO. TRF TO CO.)LKO	exclusion	412008	55060	2000	49554	2014-15	IUT
404	AIR CONDITIONER LG MAKE(SAHOO AGENCIES,LKO)	exclusion	412008	14849	2004	14848	2014-15	IUT

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FY - 2014-15								
A	Deletion of assets (as per books of accounts) against replacement as approved							
S.No.	Description	Nature of de-capitlization (whether claimed under exclusion or as additional capital expenditure)	Account	Amount	Acquisition Date	Depreciation recovered till date of de-capitalization	Year of De-cpitalisation	Remarks
1	2		3	4	5	6		
405	AIR CONDITIONER (TRF.FROM DGHEP)LUCKNOW	exclusion	412008	20955	2005	17804	2014-15	IUT
406	AC TRANSFER FROM DPS	exclusion	412008	20955	2005	17804	2014-15	IUT
407	WATER COOLER	exclusion	412011	13910	2000	13909	2014-15	IUT
408	AIR COOLER	exclusion	412011	4097	2000	4096	2014-15	IUT
409	INVERTER MICRO MAKE	exclusion	412020	22454	2002	13461	2014-15	IUT
410	AQUAGUARD CLASSIC	exclusion	412020	7990	2012	634	2014-15	IUT
411	SERVO VOTAGES STABLIZER	exclusion	412020	45266	2005	29319	2014-15	IUT
412	SONY CYBER CAMERA	exclusion	412020	11542	2005	11541	2014-15	IUT
413	SAMSUNG TV	exclusion	412501	9520	2005	9519	2014-15	IUT
414	TV SET SONY	exclusion	412501	14016	2002	14015	2014-15	IUT
415	TV FOR GUEST HOUSE ,LUKNOW	exclusion	412501	3482	2002	3481	2014-15	IUT
416	TV	exclusion	412501	13487	2001	7809	2014-15	IUT
417	CAR AUDIO	exclusion	412501	6787	2000	6786	2014-15	IUT
418	LG REFRIGERATOR	exclusion	412505	7710	2000	7709	2014-15	IUT
419	NOKIA ASHA 502 CE	exclusion	412801	3500	2012	3499	2014-15	IUT
420	BEETAL CORDLESS TELEPHONE (SL NO. 00983492CBD)	exclusion	412801	3500	2009	3499	2014-15	IUT
421	Storewell	exclusion	412801	1	2012	0	2014-15	IUT
422	Storewell	exclusion	412801	1	2012	0	2014-15	IUT
423	Storewell	exclusion	412801	1	2012	0	2014-15	IUT
424	Veenta Chair	exclusion	412801	1	2012	0	2014-15	IUT

ASSOCIATES CHARTERED ACCOUNTANTS FRN 006791N NEW DELHI

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FY - 2014-15								
A	Deletion of assets (as per books of accounts) against replacement as approved							
S.No.	Description	Nature of de-capitlization (whether claimed under exclusion or as additional capital expenditure)	Account	Amount	Acquisition Date	Depreciation recovered till date of de-capitalization	Year of De-cpitalisation	Remarks
1	2		3	4	5	6		
425	Veenta Chair	exclusion	412801	1	2012	0	2014-15	IUT
426	Veenta Chair	exclusion	412801	1	2012	0	2014-15	IUT
427	wardrope	exclusion	412801	1	2012	0	2014-15	IUT
428	REFRIGERATOR GODREJ	exclusion	412801	4216	2005	4215	2014-15	IUT
429	Fan	exclusion	412801	1	2012	0	2014-15	IUT
430	Fan	exclusion	412801	1	2012	0	2014-15	IUT
431	HEAT CONVECTOR	exclusion	412801	1	2012	0	2014-15	IUT
432	HEAT CONVECTOR	exclusion	412801	1	2012	0	2014-15	IUT
433	HEAT CONVECTOR	exclusion	412801	1	2012	0	2014-15	IUT
434	HEAT CONVECTOR	exclusion	412801	1	2012	0	2014-15	IUT
435	HEAT CONVECTOR	exclusion	412801	1	2012	0	2014-15	IUT
436	Pedestal Fan	exclusion	412801	1	2012	0	2014-15	IUT
437	Stablizer	exclusion	412801	1	2012	0	2014-15	IUT
438	DINING TABLE SET	exclusion	412801	6948	2005	6947	2014-15	IUT
439	Chair	exclusion	412801	1	2012	0	2014-15	IUT
440	Chair(CHR-4)	exclusion	412801	1	2012	0	2014-15	IUT
441	Chair(CHR-4)	exclusion	412801	1	2012	0	2014-15	IUT
442	Chair(CHR-4)	exclusion	412801	1	2012	0	2014-15	IUT
443	Chair(CHR-4)	exclusion	412801	1	2012	0	2014-15	IUT
444	Chair(CHR-4)	exclusion	412801	1	2012	0	2014-15	IUT
445	Chair(CHR-4)	exclusion	412801	1	2012	0	2014-15	IUT

ASSOCIATES * CHARTERED ACCOUNTANTS * FRN:004791N NEW DELHI

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FY - 2014-15								
A	Deletion of assets (as per books of accounts) against replacement as approved							
S.No.	Description	Nature of de-capitlization (whether claimed under exclusion or as additional capital expenditure)	Account	Amount	Acquisition Date	Depreciation recovered till date of de-capitalization	Year of De-cpitalisation	Remarks
1	2		3	4	5	6		
446	Chair(CHR-4)	exclusion	412801	1	2012	0	2014-15	IUT
447	Chair(CHR-4)	exclusion	412801	1	2012	0	2014-15	IUT
448	Chair(CHR-4)	exclusion	412801	1	2012	0	2014-15	IUT
449	Chair(CHR-4)	exclusion	412801	1	2012	0	2014-15	IUT
450	Chair(CHR-4)	exclusion	412801	1	2012	0	2014-15	IUT
451	Chair(CHR-4)	exclusion	412801	1	2012	0	2014-15	IUT
452	Chair PCH	exclusion	412801	1	2012	0	2014-15	IUT
453	Chair PCH	exclusion	412801	1	2012	0	2014-15	IUT
454	Chair PCH	exclusion	412801	1	2012	0	2014-15	IUT
455	Chair PCH	exclusion	412801	1	2012	0	2014-15	IUT
456	Chair PCH	exclusion	412801	1	2012	0	2014-15	IUT
457	Chair PCH	exclusion	412801	1	2012	0	2014-15	IUT
458	Chair PCH	exclusion	412801	1	2012	0	2014-15	IUT
459	Chair PCH	exclusion	412801	1	2012	0	2014-15	IUT
460	Chair PCH	exclusion	412801	1	2012	0	2014-15	IUT
461	Chair PCH	exclusion	412801	1	2012	0	2014-15	IUT
462	Chair PCH	exclusion	412801	1	2012	0	2014-15	IUT
463	Chair PCH	exclusion	412801	1	2012	0	2014-15	IUT
464	Chair PCH	exclusion	412801	1	2012	0	2014-15	IUT
465	Chair PCH	exclusion	412801	1	2012	0	2014-15	IUT
466	Chair PCH	exclusion	412801	1	2012	0	2014-15	IUT

DSP & ASSOCIATES CHARTERED ACCOUNTANTS FRN:006791N NEW DELHI

FY - 2014-15								
A	Deletion of assets (as per books of accounts) against replacement as approved							
S.No.	Description	Nature of de-capitlization (whether claimed under exclusion or as additional capital expenditure)	Account	Amount	Acquisition Date	Depreciation recovered till date of de-capitalization	Year of De-cpitalisation	Remarks
1	2		3	4	5	6		
467	Dressing Chair	exclusion	412801	1	2012	0	2014-15	IUT
468	Dressing Chair	exclusion	412801	1	2012	0	2014-15	IUT
469	Easy Chair	exclusion	412801	1	2012	0	2014-15	IUT
470	Easy Chair	exclusion	412801	1	2012	0	2014-15	IUT
471	Table-T-8	exclusion	412801	1	2012	0	2014-15	IUT
472	Table-T-8	exclusion	412801	1	2012	0	2014-15	IUT
473	Table-T-8	exclusion	412801	1	2012	0	2014-15	IUT
474	Table-T-8	exclusion	412801	1	2012	0	2014-15	IUT
475	Table-T-8	exclusion	412801	1	2012	0	2014-15	IUT
476	Table-T-8	exclusion	412801	1	2012	0	2014-15	IUT
477	Table-T-8	exclusion	412801	1	2012	0	2014-15	IUT
478	Table-T-8	exclusion	412801	1	2012	0	2014-15	IUT
479	Table-T-8	exclusion	412801	1	2012	0	2014-15	IUT
480	Table-T-8	exclusion	412801	1	2012	0	2014-15	IUT
481	Table-T-8	exclusion	412801	1	2012	0	2014-15	IUT
482	Table-T-8	exclusion	412801	1	2012	0	2014-15	IUT
483	Table-T-8	exclusion	412801	1	2012	0	2014-15	IUT
484	Table-T-8	exclusion	412801	1	2012	0	2014-15	IUT
485	Table-T-8	exclusion	412801	1	2012	0	2014-15	IUT
486	Table-T-8	exclusion	412801	1	2012	0	2014-15	IUT
487	Table-T-8	exclusion	412801	1	2012	0	2014-15	IUT

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FY - 2014-15								
A	Deletion of assets (as per books of accounts) against replacement as approved							
S.No.	Description	Nature of de-capitlization (whether claimed under exclusion or as additional capital expenditure)	Account	Amount	Acquisition Date	Depreciation recovered till date of de-capitalization	Year of De-cpitalisation	Remarks
1	2		3	4	5	6		
488	Centre table	exclusion	412801	1	2012	0	2014-15	IUT
489	Centre table	exclusion	412801	1	2012	0	2014-15	IUT
490	Centre table	exclusion	412801	1	2012	0	2014-15	IUT
491	Guest House gate Lko	exclusion	412801	1	2012	0	2014-15	IUT
492	Double Bed	exclusion	412801	1	2012	0	2014-15	IUT
493	Single Bed	exclusion	412801	1	2012	0	2014-15	IUT
494	Single Bed	exclusion	412801	1	2012	0	2014-15	IUT
495	Single Bed	exclusion	412801	1	2012	0	2014-15	IUT
496	Single Bed	exclusion	412801	1	2012	0	2014-15	IUT

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FY - 2014-15								
A	Deletion of assets (as per books of accounts) against replacement as approved							
S.No.	Description	Nature of de-capitlization (whether claimed under exclusion or as additional capital expenditure)	Account	Amount	Acquisition Date	Depreciation recovered till date of de-capitalization	Year of De-cpitalisation	Remarks
1	2		3	4	5	6		
497	Matteress	exclusion	412801	1	2012	0	2014-15	IUT
498	Matteress	exclusion	412801	1	2012	0	2014-15	IUT
499	FILING CABINET	exclusion	412801	1	2012	0	2014-15	IUT
500	FILING CABINET	exclusion	412801	1	2012	0	2014-15	IUT
501	FILING CABINET	exclusion	412801	1	2012	0	2014-15	IUT
502	FILING CABINET	exclusion	412801	1	2012	0	2014-15	IUT
503	GODREJ RACKS	exclusion	412801	1	2012	0	2014-15	IUT
504	GODREJ RACKS	exclusion	412801	1	2012	0	2014-15	IUT
505	T.V. TROLLY	exclusion	412801	1	2012	0	2014-15	IUT
506	CASH CHEST	exclusion	412801	1	2012	0	2014-15	IUT
507	SUPERFLAME CHULHA	exclusion	412801	1	2012	0	2014-15	IUT
508	TABLE LAMP	exclusion	412801	1	2012	0	2014-15	IUT
509	HALF CRENZA	exclusion	412801	1	2012	0	2014-15	IUT
510	HALF CRENZA	exclusion	412801	1	2012	0	2014-15	IUT
511	ALUMINIUM STOOL	exclusion	412801	1	2012	0	2014-15	IUT
512	WATER TANK	exclusion	412801	1	2012	0	2014-15	IUT
513	GEYSER	exclusion	412801	1	2012	0	2014-15	IUT
514	GEYSER	exclusion	412801	1	2012	0	2014-15	IUT

DSP & ASSOCIATES FRN:006791N NEW DELHI CHARTERED ACCOUNTANTS

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FY - 2014-15								
A	Deletion of assets (as per books of accounts) against replacement as approved							
S.No.	Description	Nature of de-capitlization (whether claimed under exclusion or as additional capital expenditure)	Account	Amount	Acquisition Date	Depreciation recovered till date of de-capitalization	Year of De-cpitalisation	Remarks
1	2		3	4	5	6		
515	GEYSER	exclusion	412801	1	2012	0	2014-15	IUT
516	GEYSER	exclusion	412801	1	2012	0	2014-15	IUT
517	GEYSER	exclusion	412801	1	2012	0	2014-15	IUT
518	ATLES CYCLE	exclusion	412801	1	2012	0	2014-15	IUT
519	COOLING WATER PUMP, BEACON WEIR MAKE HORIZONTAL SPLIT CASING, MODEL SDC 150/200	exclusion	411112	389474	2014	0	2014-16	Inter Head Ajustment
			SUB TOTAL	53233450				

For D S P & Associates
Chartered Accountants

DSP & ASSOCIATES * CHARTERED ACCOUNTANTS * FRN:006791N NEW DELHI

For NHPC LTD.
(M G Gokhale)
GM (Comml.)

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FORM-9B (i)

Details of Assets De-capitalized during the period

Name of the Petitioner : NHPC Ltd.

Name of the Generating Station Tanakpur Power station

Region : Northern State : Uttarakhand District :Champawat

COD 1-Apr-93

(Amount in Rs.)

FY - 2015-16

Sl. No.	Name of the Asset	Head of account	Nature of de-capitlization (whether claimed under exclusion or as additional capital expenditure)	Original Value of the Asset Capitalised	Year Put to use	Depreciation recovered till date of de-capitalization	Year of De-cpitalisation	Remarks
1	2		3	4	5	6		
A	**Assumed Deletion**							
1	Submersible Pump W/Motor (05.06.2007)	411112	Assumed Deletion	36529	2007	26262	2017-18	Replacement cost against item no. B(1) of Form-9A during 2015-16
2	Submursible Pump W/ Motor (03-03-2008)	411112	Assumed Deletion	33663	2008	21769	2017-18	
3	Submursible Pump W/ Motor (03-03-2008)	411112	Assumed Deletion	33663	2008	21769	2017-18	
4	SQUIRREL CAGE INDUCTION MOTOR 150 HP, 415V	410701	Assumed Deletion	70221	1993	52624	2016-17	Replacement cost against item no. B(2) of Form-9A during 2015-16
5	SQUIRREL CAGE INDUCTION MOTOR 150 HP, 415V	410701	Assumed Deletion	70221	1993	52624	2016-17	
6	TURBINE OIL FILTRATION PLANT	410713	Assumed Deletion	226778	1993	56831	2015-16	Replacement cost against item no. B(9) of Form-9A during 2015-16
			TOTAL	**471075**				
B	**Deletion of assets (as per books of accounts)**							

DSP & ASSOCIATES * CHARTERED ACCOUNTANTS * FRN 006791N NEW DELHI

FY - 2015-16								
Sl. No.	Name of the Asset	Head of account	Nature of de-capitlization (whether claimed under exclusion or as additional capital expenditure)	Original Value of the Asset Capitalised	Year Put to use	Depreciation recovered till date of de-capitalization	Year of De-cpitalisation	Remarks
1	2		3	4	5	6		
1	LV MOTOR CONTROL CENTRE (MCC) 415V AC WITH INCOMMER- 01 NOS (100A) OUTGOINGS- 03 NOS (63A-02 NOS, 4	410711	Claimed	221762	1993	168760	2015-16	Replacement cost against item no. B(6) of Form-9A during 2015-16
2	415 AC LV	410701	Claimed	80581	1993	60855	2015-16	Replacement cost against item no. B(19) of Form-9A during 2015-16
3	UP-29-1077 (Gypsy)	411501	claim	343974	2000	309577	2015-16	
4	UP-29-0247 (Gypsy)	411501	claim	316431	1998	284788	2015-16	
5	UA-03-0806 (Ambassador)	411501	claim	404826	2002	364343	2015-16	
6	BHV - 5894	411502	claim	13308	1984	13308	2015-16	
7	UP-29-1095	411502	claim	343974	2000	309577	2015-16	
8	UP-29-1094	411502	claim	343974	2000	309577	2015-16	
9	UP-29-1096	411502	claim	343974	2000	309577	2015-16	
10	VoIP FXO Gateway 4port &2.4GHz wreless mod.,disc antna & acc. connectivty(barrage to admn bldg.& PH)	411805	Exclusion	250045	2008	122390	2015-16	
11	1600AMP LT DISTRIBUTION PANEL WITH 2 NOS 1600A ACB, 6NOS 250A MCCB, 5 NOS 100A MCCB	410801	Exclusion	186637		139866	2015-16	Deletion value already claimed as assumed deletion at item no. B(18) of Form-9B(i) during 2015-16

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Sl. No.	Name of the Asset	Head of account	Nature of de-capitlization (whether claimed under exclusion or as additional capital expenditure)	Original Value of the Asset Capitalised	Year Put to use	Depreciation recovered till date of de-capitalization	Year of De-cpitalisation	Remarks
1	2		3	4	5	6		
12	MICROPROCESSOR FOR SPEED GOVERNOR 415 AC LV	410701	**Claimed**	2077618		1581067	2015-16	Replacement cost against item no. B15 Form-9A
13	GT OIL PUMP 2014-15	410714	exclusion	10975		8320	2015-16	General nature items & do not form part of Capitalization as per count at sl. no. 14(3) of CERC
14	CONTOL PANEL 2015-16	410711	**Claimed**	213908		162784	2015-16	Replacement cost against item no. B16 Form-9A
15	ROTOR TEMPERATURE INDICATOR MODEL KR2000	410714	exclusion	39655		29717	2015-16	General nature items & do not form part of Capitalization as per count at sl. no. 14(3) of CERC
16	ROTOR TEMPERATURE INDICATOR MODEL KR2000	410714	exclusion	39655		29717	2015-16	General nature items & do not form part of Capitalization as per count at sl. no. 14(3) of CERC
17	ROTOR TEMPERATURE INDICATOR MODEL KR2000	410714	exclusion	39655		29717	2015-16	General nature items & do not form part of Capitalization as per count at sl. no. 14(3) of CERC
18	GOV. OLU PUMP,ROTARY GEAR TYPE,50LPM,6KG/SQCM,	410714	exclusion	10237		7672	2015-16	General nature items & do not form part of Capitalization as per count at sl. no. 14(3) of CERC

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FY - 2015-16								
Sl. No.	Name of the Asset	Head of account	Nature of de-capitlization (whether claimed under exclusion or as additional capital expenditure)	Original Value of the Asset Capitalised	Year Put to use	Depreciation recovered till date of de-capitalization	Year of De-cpitalisation	Remarks
1	2		3	4	5	6		
19	Propeller Shaft Front-1.4.03	410714	exclusion	746		745	2015-16	General nature items & do not form part of Capitalization as per count at sl. no. 14(3) of CERC
20	Propeller Shaft Front-1.4.03	410714	exclusion	745		744	2015-16	General nature items & do not form part of Capitalization as per count at sl. no. 14(3) of CERC
21	Propeller Shaft Front-1.4.03	410714	exclusion	745		744	2015-16	General nature items & do not form part of Capitalization as per count at sl. no. 14(3) of CERC
22	Propeller Shaft Front-1.4.03	410714	exclusion	979		978	2015-16	General nature items & do not form part of Capitalization as per count at sl. no. 14(3) of CERC
23	Propeller Shaft Front-1.4.03	410714	exclusion	979		978	2015-16	General nature items & do not form part of Capitalization as per count at sl. no. 14(3) of CERC
24	Propeller Shaft Front-1.4.03	410714	exclusion	979		978	2015-16	General nature items & do not form part of Capitalization as per count at sl. no. 14(3) of CERC
25	Propeller Shaft Front-1.4.03	410714	exclusion	979		978	2015-16	General nature items & do not form part of Capitalization as per count at sl. no. 14(3) of CERC

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FY - 2015-16								
Sl. No.	Name of the Asset	Head of account	Nature of de-capitlization (whether claimed under exclusion or as additional capital expenditure)	Original Value of the Asset Capitalised	Year Put to use	Depreciation recovered till date of de-capitalization	Year of De-cpitalisation	Remarks
1	2		3	4	5	6		
26	HS PUMP,36LPM, MAX.PRESSURE 210 KG/CM2,GEAR TYPE FOR HS LUBRICATIONS SYSTEM TANAKPUR	410714	exclusion	7886		5910	2015-16	General nature items & do not form part of Capitalization as per count at sl. no. 14(3) of CERC
27	Thrust Bearing Spring Assy (02.02.09)	410714	exclusion	6567		6556	2015-16	General nature items & do not form part of Capitalization as per count at sl. no. 14(3) of CERC
28	IDLER VALVE (RELIEF & BY PASS VALVE) DIA 70/90 OF PPSET PART NO-306	410714	exclusion	27025		20253	2015-16	General nature items & do not form part of Capitalization as per count at sl. no. 14(3) of CERC
29	REVOLVING SHAFT SLEEV FOR 31.4 MW KAPLAN TURBINE	410714	exclusion	113280		84892	2015-16	General nature items & do not form part of Capitalization as per count at sl. no. 14(3) of CERC
30	Current Transformer (CT) outdoor type for generator bay (21.01.09)	410714	exclusion	170461		127743	2015-16	General nature items & do not form part of Capitalization as per count at sl. no. 14(3) of CERC
31	Current Transformer (CT) outdoor type for generator bay (21.01.09)	410714	exclusion	170461		127743	2015-16	General nature items & do not form part of Capitalization as per count at sl. no. 14(3) of CERC
32	Current Transformer (CT) outdoor type for Line bay (21.01.09)	410714	exclusion	170955		128114	2015-16	General nature items & do not form part of Capitalization as per count at sl. no. 14(3) of CERC

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FY - 2015-16								
Sl. No.	Name of the Asset	Head of account	Nature of de-capitlization (whether claimed under exclusion or as additional capital expenditure)	Original Value of the Asset Capitalised	Year Put to use	Depreciation recovered till date of de-capitalization	Year of De-cpitalisation	Remarks
1	2		3	4	5	6		
33	Complete Pole Unit Assembly without housing 245 KV 40 KA (11.9.08)	410714	exclusion	266809		199947	2015-16	General nature items & do not form part of Capitalization as per count at sl. no. 14(3) of CERC
34	GV Lever 016(Cap-02-03)	410714	exclusion	23839		17865	2015-16	General nature items & do not form part of Capitalization as per count at sl. no. 14(3) of CERC
35	Cutting Edge (BEML Dozer)-1.4.03	410714	exclusion	38467	2003	38467	2015-16	General nature items & do not form part of Capitalization as per count at sl. no. 14(3) of CERC
36	Cutting Edge (BEML Dozer)-1.4.03	410714	exclusion	17480	2003	17480	2015-16	General nature items & do not form part of Capitalization as per count at sl. no. 14(3) of CERC
37	800AMP LT DISTRIBUTION PANEL WITH 1 NO 800A ACB, 4NOS 250A MCCB, 8 NOS 100A MCCB	410801	**Claimed**	105787		79277	2015-16	Replacement cost against item no. B6 &B7 Form-9A during 2014-15
38	Ring spanner	411130	exclusion	5129	1994	5129	2015-16	General nature items & do not form part of Capitalization as per count at sl. no. 14(3) of CERC
39	Ring spanner	411130	exclusion	5129	1994	5129	2015-16	General nature items & do not form part of Capitalization as per count at sl. no. 14(3) of CERC

DSP & ASSOCIATES CHARTERED ACCOUNTANTS FRN 008791N NEW DELHI

FY - 2015-16								
Sl. No.	Name of the Asset	Head of account	Nature of de-capitlization (whether claimed under exclusion or as additional capital expenditure)	Original Value of the Asset Capitalised	Year Put to use	Depreciation recovered till date of de-capitalization	Year of De-cpitalisation	Remarks
1	2		3	4	5	6		
40	Ring spanner	411130	exclusion	5128	1994	5128	2015-16	General nature items & do not form part of Capitalization as per count at sl. no. 14(3) of CERC
41	Ring spanner	411130	exclusion	5128	1994	5128	2015-16	General nature items & do not form part of Capitalization as per count at sl. no. 14(3) of CERC
42	Coir matting	411707	exclusion	25174	1989	25174	2015-16	General nature items & do not form part of Capitalization as per count at sl. no. 14(3) of CERC
43	Hitkari carpet	411707	exclusion	16924	1989	16924	2015-16	General nature items & do not form part of Capitalization as per count at sl. no. 14(3) of CERC
44	Modi woolen carpets	411707	exclusion	18105	1989	18105	2015-16	General nature items & do not form part of Capitalization as per count at sl. no. 14(3) of CERC
45	UPS 500 VA SUPERTECH	411801	exclusion	1	2013	0	2015-16	General nature items & do not form part of Capitalization as per count at sl. no. 14(3) of CERC
46	UPS 500 VA SUPERTECH	411801	exclusion	1	2013	0	2015-16	General nature items & do not form part of Capitalization as per count at sl. no. 14(3) of CERC

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FY - 2015-16

Sl. No.	Name of the Asset	Head of account	Nature of de-capitlization (whether claimed under exclusion or as additional capital expenditure)	Original Value of the Asset Capitalised	Year Put to use	Depreciation recovered till date of de-capitalization	Year of De-cpitalisation	Remarks
1	2		3	4	5	6		
47	UPS 500 VA SUPERTECH	411801	exclusion	1	2013	0	2015-16	General nature items & do not form part of Capitalization as per count at sl. no. 14(3) of CERC
48	MOBILE HANDSET SAMSUNG GRAND QUATTRO	412501	exclusion	15500	2014	1217	2015-16	General nature items & do not form part of Capitalization as per count at sl. no. 14(3) of CERC
49	Dental Chair	412801	exclusion	2165	1992	2164	2015-16	General nature items & do not form part of Capitalization as per count at sl. no. 14(3) of CERC
50	Dental Chair	412801	exclusion	2165	1992	2164	2015-16	General nature items & do not form part of Capitalization as per count at sl. no. 14(3) of CERC
51	Dental Chair	412801	exclusion	2165	1992	2164	2015-16	General nature items & do not form part of Capitalization as per count at sl. no. 14(3) of CERC
52	UPS 500VA (05.05.08)	412801	exclusion	29850	2008	29835	2015-16	General nature items & do not form part of Capitalization as per count at sl. no. 14(3) of CERC
53	UPS 650 VA (28/11/05)	412801	exclusion	39410	2005	39396	2015-16	General nature items & do not form part of Capitalization as per count at sl. no. 14(3) of CERC

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FY - 2015-16								
Sl. No.	Name of the Asset	Head of account	Nature of de-capitlization (whether claimed under exclusion or as additional capital expenditure)	Original Value of the Asset Capitalised	Year Put to use	Depreciation recovered till date of de-capitalization	Year of De-cpitalisation	Remarks
1	2		3	4	5	6		
54	UPS-700VA,24volt	412801	exclusion	4400	2005	4399	2015-16	General nature items & do not form part of Capitalization as per count at sl. no. 14(3) of CERC
	Sub Total			**65,82,733**				

For D S P & Associates
Chartered Accountants

DSP & ASSOCIATES * CHARTERED ACCOUNTANTS * FRN 006791N NEW DELHI

For NHPC LTD.

(M G Gokhale)
GM (Comml.)
(M G Gokhale)

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FORM-9B (i)

FY - 2016-17

Details of Assets De-capitalized during the period

Name of the Petitioner : NHPC Ltd.

Name of the Generating Station : Tanakpur Power station

Region : Northern State : Uttarakhand District :Champawat

COD : 1-Apr-93

(AMOUNT IN Rs.)

Sl. No.	Name of the Asset	Head of account	Nature of de-capitlization (whether claimed under exclusion or as additional capital expenditure)	Original Value of the Asset Capitalised	Year Put to use	Depreciation recovered till date of de-capitalization	Year of De-capitalisation	Remarks
A. Assumed Deletion								
1	VCB (VACCUM CIRCUIT BREAKER)	410807	assumed deletion	59079	1993	46330	2016-17	
2	SQUIRREL CAGE INDUCTION MOTOR 150 HP, 415V	410712	assumed deletion	79396	1993	59499	2018-19	
3	SQUIRREL CAGE INDUCTION MOTOR 150 HP, 415V	410712	assumed deletion	79396	1993	59499	2018-19	
4	SQUIRREL CAGE INDUCTION MOTOR 150 HP, 415V	410712	assumed deletion	79396	1993	59499	2018-19	
5	SQUIRREL CAGE INDUCTION MOTOR 150 HP, 415V	410712	assumed deletion	79396	1993	59499	2018-19	
6	NUMERICAL COMPLETE GENERATING UNIT PROTECTION SYSTEM FOR 3 X 31.4 MW HYDRO GENERATING UNIT	410701	assumed deletion	207400	1993	155426	2018-19	
7	NUMERICAL COMPLETE GENERATING UNIT PROTECTION SYSTEM FOR 3 X 31.4 MW HYDRO GENERATING UNIT	410701	assumed deletion	207400	1993	155426	2018-19	
8	RUNNER BLADE FOR 40 MW KAPLAN TURBINE, DRAWING NO. 02040719001	410701	assumed deletion	10950720	1993	8206740		
			Total	**11742183**				

DSP & ASSOCIATES CHARTERED ACCOUNTANTS FRN 006791N NEW DELHI

Sl. No.	Name of the Asset	Head of account	Nature of de-capitlization (whether claimed under exclusion or as additional capital expenditure)	Original Value of the Asset Capitalised	Year Put to use	Depreciation recovered till date of de-capitalization	Year of De-capitalisation	Remarks
B. Deletion of assets (as per books of accounts)								
1	MICROPROCESSOR BASED DIGITAL GOVERNOR ELECTRONIC PANEL (EHGC)	410701	Claimed	1791936		1342877		Replacement value against item no. B (9)
2	MICROPROCESSOR BASED DIGITAL GOVERNOR ELECTRONIC PANEL (EHGC)	410701	Claimed	1791936		1342877		
3	220V DC 800 AH BATTERY BANK	410701	Claimed	392876		294421		deleted from main generating equipment
4	220V DC 800 AH BATTERY BANK	410701	Claimed	392876		294421		
5	VRLA TYPE BATTERY BANK 48V,DC,200AH.	410701	Claimed	14016		10504		
6	VRLA TYPE BATTERY BANK 48V,DC,200AH.	410701	Claimed	14016		10504		
7	OPU PUMP WITH MOTOR (039,099) FOR 40 MW KAAPLAN TURBINE	410701	Claimed	368342		276035		Replacement value against item no. B (2)
8	TETRA PODS (PLAIN CEMENT CONCRETE 800)	410601	exclusion	45,58,597	2011	1252482	2016-17	General nature items & do not form part of Capitalization as per count at sl. no. 14(3) of CERC
9	TETRA PODS (Plain Cement Concrete Tetrapods)	410601	exclusion	11,75,755	2011	27228	2016-17	General nature items & do not form part of Capitalization as per count at sl. no. 14(3) of CERC
10	Casting of Tetra Pods	410601	exclusion	5,59,163	2010	5037	2016-17	General nature items & do not form part of Capitalization as per count at sl. no. 14(3) of CERC
11	Coles Hydraulic Truck crane 80/88Ton Crane, S.no.23158413	411109	Claimed	1,79,482	1980	0	2016-17	Replacement value already claimed as assumed deletion during 2013-14.
12	Ashok Leyland HIPPO 141W.B. Dumper	411103	Claimed	42,670	1986	0	2016-17	No replacement
13	BEML Loader T-No 1710-102 (Tr. from Chamera-I)	411102	Claimed	1,65,628	1986	0	2016-17	No replacement
14	Escorts 5E-5Ton, No.sE/248 Ch. No.E27341, Crane	411109	Claimed	61,387	1986	0	2016-17	Replaced with 12.5 T TIL crane
15	MANDATORY SPARES FOR DIGITAL AVR OF STATIC EXCITATION SYSTEM OF TANAKPUR ONE SET	410714	exclusion	12,37,566	2013	504819	2016-17	Replacement value already claimed as

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Sl. No.	Name of the Asset	Head of account	Nature of de-capitlization (whether claimed under exclusion or as additional capital expenditure)	Original Value of the Asset Capitalised	Year Put to use	Depreciation recovered till date of de-capitalization	Year of De-capitalisation	Remarks
16	MANDATORY SPARES FOR DIGITAL AVR OF STATIC EXCITATION SYSTEM OF TANAKPUR ONE SET	410714	exclusion	12,60,680	2013	514284	2016-17	assumed deletion during 2012-13.
17	Escorts M67HC17 Crane,17Ton	411109	Claimed	1,06,284	1984	0	2016-17	
18	Hydraulic PumpRP Kit(HK17Crane)-1.4.03	410714	Claimed	12,969	2003	166	2016-17	No replacement
19	Boom maker equipment, Ch. No.ALE H18 2085, Eng. No.ALEH46655	411130	Claimed	47,064	1988	0	2016-17	No replacement
20	Diesel eng.	411130	Claimed	69,254	1988	1	2016-17	No replacement
21	V-SAT	411805	Claimed	10,88,190	2000	0	2016-17	No replacement
22	Land-Unclassifed	410121	Claimed	11,91,640				
23	Triltmeter	411130	exclusion	26,356	1988	0	2016-17	General nature items & do not form part of Capitalization as per count at sl. no. 14(3) of CERC
24	Telt meter S.No. 4606,	412502	exclusion	19,767	1988	2662	2016-17	General nature items & do not form part of Capitalization as per count at sl. no. 14(3) of CERC
25	Telt meter S.No. 4607,	412502	exclusion	19,767	1988	2662	2016-17	General nature items & do not form part of Capitalization as per count at sl. no. 14(3) of CERC
26	Telt meter S.No. 4608,	412502	exclusion	19,767	1988	2662	2016-17	General nature items & do not form part of Capitalization as per count at sl. no. 14(3) of CERC
27	Telt meter S.No. 4609	412502	exclusion	19,766	1988	2662	2016-17	General nature items & do not form part of Capitalization as per count at sl. no. 14(3) of CERC
28	Concrete Mixture	411110	exclusion	31,193	1991	0	2016-17	General nature items & do not form part of Capitalization as per count at sl. no. 14(3) of CERC
29	Field strength meter	412503	exclusion	17,820	2000	-85	2016-17	No replacement
30	ROUTER CISCO 1841 MODULAR WITH WIC-2T CARD AND V.35 (24.01.08)	411806	exclusion	75,000	2008	0	2016-17	No replacement
31	THRUST BEARING	410701	exclusion	47,163				deleted from main generating equipment

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Sl. No.	Name of the Asset	Head of account	Nature of de-capitlization (whether claimed under exclusion or as additional capital expenditure)	Original Value of the Asset Capitalised	Year Put to use	Depreciation recovered till date of de-capitalization	Year of De-capitalisation	Remarks
32	SQUIRREL CAGE INDUCTION MOTOR 150 HP, 415V	410701	exclusion	70221		52624		Deletion value is already claimed as assumed deletion during 2015-16 (refer item no. A4 &A5 of Form-9B(i))
33	SQUIRREL CAGE INDUCTION MOTOR 150 HP, 415V	410701	exclusion	70221		52624		
34	Multimedia Projector (31-03-05)	412501	exclusion	1,55,948	2005	76701	2016-17	General nature items & do not form part of Capitalization as per count at sl. no. 14(3) of CERC
35	3.75G HSUPA USB ADAPTER MODEM MAKE:D-LINK MODEL: DWM-156	412801	exclusion	2,000	2014	1999	2016-17	General nature items & do not form part of Capitalization as per count at sl. no. 14(3) of CERC
36	Echo sounder	411130	exclusion	1,23,000	1996	116850	2016-17	General nature items & do not form part of Capitalization as per count at sl. no. 14(3) of CERC
37	Table-T-8	412801	exclusion	1,827	1989	1826	2016-17	General nature items & do not form part of Capitalization as per count at sl. no. 14(3) of CERC
38	Typewriter	412801	exclusion	2,327	1995	2326	2016-17	General nature items & do not form part of Capitalization as per count at sl. no. 14(3) of CERC
39	Chairs	412801	exclusion	920	1985	919	2016-17	General nature items & do not form part of Capitalization as per count at sl. no. 14(3) of CERC
40	Chairs	412801	exclusion	920	1985	919	2016-17	General nature items & do not form part of Capitalization as per count at sl. no. 14(3) of CERC
41	Godrej filing cabinet	411701	exclusion	4,580	2000	4579	2016-17	General nature items & do not form part of Capitalization as per count at sl. no. 14(3) of CERC

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Sl. No.	Name of the Asset	Head of account	Nature of de-capitlization (whether claimed under exclusion or as additional capital expenditure)	Original Value of the Asset Capitalised	Year Put to use	Depreciation recovered till date of de-capitalization	Year of De-capitalisation	Remarks
42	Hand pump	411112	exclusion	6,260	1992	6260	2016-17	General nature items & do not form part of Capitalization as per count at sl. no. 14(3) of CERC
43	VoIP Telephone (09.04.08)	411902	exclusion	5,390	2008	5389	2016-17	General nature items & do not form part of Capitalization as per count at sl. no. 14(3) of CERC
44	VoIP Telephone (09.04.08)	411902	exclusion	5,390	2008	5389	2016-17	General nature items & do not form part of Capitalization as per count at sl. no. 14(3) of CERC
45	VoIP Telephone (09.04.08)	411902	exclusion	5,390	2008	5389	2016-17	General nature items & do not form part of Capitalization as per count at sl. no. 14(3) of CERC
46	VoIP Telephone (09.04.08)	411902	exclusion	5,390	2008	5389	2016-17	General nature items & do not form part of Capitalization as per count at sl. no. 14(3) of CERC
47	Colour Scanner (5/8/05)	411804	exclusion	86,940	2005	82593	2016-17	General nature items & do not form part of Capitalization as per count at sl. no. 14(3) of CERC
48	D link WI G Ads12+router	412801	exclusion	2,500	2013	2499	2016-17	General nature items & do not form part of Capitalization as per count at sl. no. 14(3) of CERC
49	22 LCD COLOR TV	412501	exclusion	14,370	2012	3055	2016-17	General nature items & do not form part of Capitalization as per count at sl. no. 14(3) of CERC
50	Cordless Telephone 2 line set (22-09-07)	411902	exclusion	5,700	2007	5699	2016-17	General nature items & do not form part of Capitalization as per count at sl. no. 14(3) of CERC
51	Cordless Telephone 2 line set (24-01-08)	411902	exclusion	5,650	2008	5649	2016-17	General nature items & do not form part of Capitalization as per count at sl. no. 14(3) of CERC

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Sl. No.	Name of the Asset	Head of account	Nature of de-capitlization (whether claimed under exclusion or as additional capital expenditure)	Original Value of the Asset Capitalised	Year Put to use	Depreciation recovered till date of de-capitalization	Year of De-capitalisation	Remarks
52	Plan set telephone (02/05/2007)	412801	exclusion	2,507	2007	2506	2016-17	General nature items & do not form part of Capitalization as per count at sl. no. 14(3) of CERC
53	Plan set telephone (02/05/2007)	412801	exclusion	2,506	2007	2505	2016-17	General nature items & do not form part of Capitalization as per count at sl. no. 14(3) of CERC
54	Plan set telephone (03.09.08)	412801	exclusion	2,550	2008	2549	2016-17	General nature items & do not form part of Capitalization as per count at sl. no. 14(3) of CERC
55	Plan set telephone (03.09.08)	412801	exclusion	2,550	2008	2549	2016-17	General nature items & do not form part of Capitalization as per count at sl. no. 14(3) of CERC
56	Plan set telephone (03.09.08)	412801	exclusion	2,550	2008	2549	2016-17	General nature items & do not form part of Capitalization as per count at sl. no. 14(3) of CERC
57	Plan set telephone (03.09.08)	412801	exclusion	2,550	2008	2549	2016-17	General nature items & do not form part of Capitalization as per count at sl. no. 14(3) of CERC
58	Plan set telephone (25/04/2007)	412801	exclusion	2,507	2007	2506	2016-17	General nature items & do not form part of Capitalization as per count at sl. no. 14(3) of CERC
59	Plan set telephone (25/04/2007)	412801	exclusion	2,506	2007	2505	2016-17	General nature items & do not form part of Capitalization as per count at sl. no. 14(3) of CERC
60	Plan set telephone (25/04/2007)	412801	exclusion	2,506	2007	2505	2016-17	General nature items & do not form part of Capitalization as per count at sl. no. 14(3) of CERC
61	Plan tele. set-Beetal (12/9/05)	411902	exclusion	2,915	2005	2914	2016-17	General nature items & do not form part of Capitalization as per count at sl. no. 14(3) of CERC

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Sl. No.	Name of the Asset	Head of account	Nature of de-capitlization (whether claimed under exclusion or as additional capital expenditure)	Original Value of the Asset Capitalised	Year Put to use	Depreciation recovered till date of de-capitalization	Year of De-capitalisation	Remarks
62	Plan tele. set-Beetal (12/9/05)	411902	exclusion	2,915	2005	2914	2016-17	General nature items & do not form part of Capitalization as per count at sl. no. 14(3) of CERC
63	Telephone (1+1 system)	411902	exclusion	3,995	1998	3994	2016-17	General nature items & do not form part of Capitalization as per count at sl. no. 14(3) of CERC
64	PLAN SET TELEPHONE	412801	exclusion	2,627	2010	2626	2016-17	General nature items & do not form part of Capitalization as per count at sl. no. 14(3) of CERC
65	PLAN SET TELEPHONE	412801	exclusion	2,627	2010	2626	2016-17	General nature items & do not form part of Capitalization as per count at sl. no. 14(3) of CERC
66	PLAN SET TELEPHONE	412801	exclusion	2,627	2010	2626	2016-17	General nature items & do not form part of Capitalization as per count at sl. no. 14(3) of CERC
67	PLAN SET TELEPHONE	412801	exclusion	2,627	2010	2626	2016-17	General nature items & do not form part of Capitalization as per count at sl. no. 14(3) of CERC
68	TELEPHONE SET WITH CLI	412801	exclusion	1,046	2010	1045	2016-17	General nature items & do not form part of Capitalization as per count at sl. no. 14(3) of CERC
69	TELEPHONE SET WITH CLI	412801	exclusion	1,046	2010	1045	2016-17	General nature items & do not form part of Capitalization as per count at sl. no. 14(3) of CERC
70	TELEPHONE SET WITH CLI	412801	exclusion	1,046	2010	1045	2016-17	General nature items & do not form part of Capitalization as per count at sl. no. 14(3) of CERC
71	Mobile phone-Nokia-6300(19/06/07)	411902	exclusion	11,300	2007	4614	2016-17	General nature items & do not form part of Capitalization as per count at sl. no. 14(3) of CERC

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Sl. No.	Name of the Asset	Head of account	Nature of de-capitlization (whether claimed under exclusion or as additional capital expenditure)	Original Value of the Asset Capitalised	Year Put to use	Depreciation recovered till date of de-capitalization	Year of De-capitalisation	Remarks
72	Mobile phone-Nokia-6600 (6/1/06)	411902	exclusion	9,880	2006	4586	2016-17	General nature items & do not form part of Capitalization as per count at sl. no. 14(3) of CERC
73	MOBILE HANDSET SAMSUNG 3530	412801	exclusion	4,850	2011	4849	2016-17	General nature items & do not form part of Capitalization as per count at sl. no. 14(3) of CERC
74	Fax Machine (22/10/05)	411902	exclusion	9,151	2005	4303	2016-17	General nature items & do not form part of Capitalization as per count at sl. no. 14(3) of CERC
75	Fax Machine (22/10/05)	411902	exclusion	9,151	2005	4303	2016-17	General nature items & do not form part of Capitalization as per count at sl. no. 14(3) of CERC
76	Fax Machine (22/10/05)	411902	exclusion	9,151	2005	4303	2016-17	General nature items & do not form part of Capitalization as per count at sl. no. 14(3) of CERC
77	Fax Machine (22/10/05)	411902	exclusion	9,150	2005	4302	2016-17	General nature items & do not form part of Capitalization as per count at sl. no. 14(3) of CERC
78	Violtage stabiliser	412503	exclusion	7,220	1995	7219	2016-17	General nature items & do not form part of Capitalization as per count at sl. no. 14(3) of CERC
79	PLAN SET TELEPHONE	412801	exclusion	2,627	2012	2626	2016-17	General nature items & do not form part of Capitalization as per count at sl. no. 14(3) of CERC
80	PLAN SET TELEPHONE	412801	exclusion	2,627	2012	2626	2016-17	General nature items & do not form part of Capitalization as per count at sl. no. 14(3) of CERC
81	PLAN SET TELEPHONE	412801	exclusion	2,627	2012	2626	2016-17	General nature items & do not form part of Capitalization as per count at sl. no. 14(3) of CERC

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Sl. No.	Name of the Asset	Head of account	Nature of de-capitlization (whether claimed under exclusion or as additional capital expenditure)	Original Value of the Asset Capitalised	Year Put to use	Depreciation recovered till date of de-capitalization	Year of De-capitalisation	Remarks
82	Woolen carpet (70sqm)	411701	exclusion	53,610	1992	48249	2016-17	General nature items & do not form part of Capitalization as per count at sl. no. 14(3) of CERC
83	SAMSUNG METRO 3322 MOBILE	412801	exclusion	3,500	2012	3499	2016-17	General nature items & do not form part of Capitalization as per count at sl. no. 14(3) of CERC
84	MOBILE PHONE 7939	412801	exclusion	3,500	2008	3499	2016-17	General nature items & do not form part of Capitalization as per count at sl. no. 14(3) of CERC
85	Emergency Light	412801	exclusion	1,000	1997	999	2016-17	General nature items & do not form part of Capitalization as per count at sl. no. 14(3) of CERC
86	Emergency Light	412801	exclusion	998	1997	997	2016-17	General nature items & do not form part of Capitalization as per count at sl. no. 14(3) of CERC
87	Emergency Light	412801	exclusion	998	1997	997	2016-17	General nature items & do not form part of Capitalization as per count at sl. no. 14(3) of CERC
88	Emergency Light	412801	exclusion	998	1997	997	2016-17	General nature items & do not form part of Capitalization as per count at sl. no. 14(3) of CERC
89	Emergency Light	412801	exclusion	998	1997	997	2016-17	General nature items & do not form part of Capitalization as per count at sl. no. 14(3) of CERC
90	Emergency Light	412801	exclusion	998	1997	997	2016-17	General nature items & do not form part of Capitalization as per count at sl. no. 14(3) of CERC
91	HAND HELD SEARCH LIGHT	410713	exclusion	6,885	2012	1619	2016-17	General nature items & do not form part of Capitalization as per count at sl. no. 14(3) of CERC

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Sl. No.	Name of the Asset	Head of account	Nature of de-capitlization (whether claimed under exclusion or as additional capital expenditure)	Original Value of the Asset Capitalised	Year Put to use	Depreciation recovered till date of de-capitalization	Year of De-capitalisation	Remarks
92	LAP TOP DELL 15R 4GB RAM S00GB HD	411801	exclusion	48,200	2011	45790	2016-17	General nature items & do not form part of Capitalization as per count at sl. no. 14(3) of CERC
93	Typewriter	412002	exclusion	5,155	1991	5154	2016-17	General nature items & do not form part of Capitalization as per count at sl. no. 14(3) of CERC
94	Typewriter	412002	exclusion	5,741	1992	5740	2016-17	General nature items & do not form part of Capitalization as per count at sl. no. 14(3) of CERC
95	Typewriter	412801	exclusion	1,732	1989	1731	2016-17	General nature items & do not form part of Capitalization as per count at sl. no. 14(3) of CERC
96	Typewriter	412801	exclusion	1,949	1989	1948	2016-17	General nature items & do not form part of Capitalization as per count at sl. no. 14(3) of CERC
97	Typewriter	412801	exclusion	2,305	1995	2304	2016-17	General nature items & do not form part of Capitalization as per count at sl. no. 14(3) of CERC
98	Typewriter	412801	exclusion	2,275	1995	2274	2016-17	General nature items & do not form part of Capitalization as per count at sl. no. 14(3) of CERC
99	Typewriter	412801	exclusion	2,328	1995	2327	2016-17	General nature items & do not form part of Capitalization as per count at sl. no. 14(3) of CERC
100	Typewriter	412801	exclusion	2,276	1995	2275	2016-17	General nature items & do not form part of Capitalization as per count at sl. no. 14(3) of CERC
101	Typewriter	412801	exclusion	8,381	1985	8380	2016-17	General nature items & do not form part of Capitalization as per count at sl. no. 14(3) of CERC

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Sl. No.	Name of the Asset	Head of account	Nature of de-capitlization (whether claimed under exclusion or as additional capital expenditure)	Original Value of the Asset Capitalised	Year Put to use	Depreciation recovered till date of de-capitalization	Year of De-capitalisation	Remarks
102	Typewriter	412801	exclusion	2,089	1984	2088	2016-17	General nature items & do not form part of Capitalization as per count at sl. no. 14(3) of CERC
103	Typewriter	412801	exclusion	2,089	1984	2088	2016-17	General nature items & do not form part of Capitalization as per count at sl. no. 14(3) of CERC
104	Typewriter	412801	exclusion	1,094	1987	1093	2016-17	General nature items & do not form part of Capitalization as per count at sl. no. 14(3) of CERC
105	Typewriter	412801	exclusion	1,094	1987	1093	2016-17	General nature items & do not form part of Capitalization as per count at sl. no. 14(3) of CERC
106	Typewriter	412801	exclusion	3,610	1989	3609	2016-17	General nature items & do not form part of Capitalization as per count at sl. no. 14(3) of CERC
107	Typewriter	412801	exclusion	3,610	1989	3609	2016-17	General nature items & do not form part of Capitalization as per count at sl. no. 14(3) of CERC
108	Typewriter	412801	exclusion	3,610	1989	3609	2016-17	General nature items & do not form part of Capitalization as per count at sl. no. 14(3) of CERC
109	Typewriter	412801	exclusion	3,610	1989	3609	2016-17	General nature items & do not form part of Capitalization as per count at sl. no. 14(3) of CERC
110	Typewriter	412801	exclusion	3,610	1989	3609	2016-17	General nature items & do not form part of Capitalization as per count at sl. no. 14(3) of CERC
111	Typewriter	412801	exclusion	3,610	1989	3609	2016-17	General nature items & do not form part of Capitalization as per count at sl. no. 14(3) of CERC

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Sl. No.	Name of the Asset	Head of account	Nature of de-capitlization (whether claimed under exclusion or as additional capital expenditure)	Original Value of the Asset Capitalised	Year Put to use	Depreciation recovered till date of de-capitalization	Year of De-capitalisation	Remarks
112	Typewriter	412801	exclusion	3,610	1989	3609	2016-17	General nature items & do not form part of Capitalization as per count at sl. no. 14(3) of CERC
113	Typewriter	412801	exclusion	3,610	1989	3609	2016-17	General nature items & do not form part of Capitalization as per count at sl. no. 14(3) of CERC
114	Typewriter	412801	exclusion	3,610	1989	3609	2016-17	General nature items & do not form part of Capitalization as per count at sl. no. 14(3) of CERC
115	Typewriter	412801	exclusion	3,610	1989	3609	2016-17	General nature items & do not form part of Capitalization as per count at sl. no. 14(3) of CERC
116	Typewriter	412801	exclusion	3,610	1989	3609	2016-17	General nature items & do not form part of Capitalization as per count at sl. no. 14(3) of CERC
117	Typewriter	412801	exclusion	3,609	1989	3608	2016-17	General nature items & do not form part of Capitalization as per count at sl. no. 14(3) of CERC
118	Typewriter	412801	exclusion	3,609	1989	3608	2016-17	General nature items & do not form part of Capitalization as per count at sl. no. 14(3) of CERC
119	Typewriter	412801	exclusion	3,984	1989	3983	2016-17	General nature items & do not form part of Capitalization as per count at sl. no. 14(3) of CERC

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Sl. No.	Name of the Asset	Head of account	Nature of de-capitlization (whether claimed under exclusion or as additional capital expenditure)	Original Value of the Asset Capitalised	Year Put to use	Depreciation recovered till date of de-capitalization	Year of De-capitalisation	Remarks
120	Typewriter	412801	exclusion	4,183	1990	4182	2016-17	General nature items & do not form part of Capitalization as per count at sl. no. 14(3) of CERC
121	Typewriter	412801	exclusion	4,183	1990	4182	2016-17	General nature items & do not form part of Capitalization as per count at sl. no. 14(3) of CERC
122	Typewriter	412801	exclusion	4,258	1991	4257	2016-17	General nature items & do not form part of Capitalization as per count at sl. no. 14(3) of CERC
123	Typewriter	412801	exclusion	2,145	1984	2144	2016-17	General nature items & do not form part of Capitalization as per count at sl. no. 14(3) of CERC
124	Propeller Shaft Front-1.4.03	410714	exclusion	1,857	2003	1	2016-17	General nature items & do not form part of Capitalization as per count at sl. no. 14(3) of CERC
125	Propeller Shaft Front-1.4.03	410714	exclusion	1,857	2003	1	2016-17	General nature items & do not form part of Capitalization as per count at sl. no. 14(3) of CERC
	Total deletion during 2016-17			**1,77,27,395**				

Note: Year wise detail need to be submitted.

For NHPC LTD.

For D S P & Associates

Chartered Accountants

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(M G Gokhale)

GM (Comml.)

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Details of Assets De-capitalized during the period

Name of the Petitioner : NHPC Ltd.
Name of the Generating Station : Tanakpur Power station
Region : Northern
State : Uttarakhand District :Champawat
COD : 1-Apr-93

(AMOUNT IN RS.)

FY - 2017-18								
Sl. No.	Name of the Asset	Head of account	Nature of de-capitlization (whether claimed under exclusion or as additional capital expenditure)	Original Value of the Asset Capitalised	Year Put to use	Depreciation recovered till date of de-capitalization	Year of De-cpitalisation	Remarks
1	2		3	4	5	6		
A	ASSUMED DELETION							
1	Purchase of 1 no. Unit Auxiliary Transformers (UATs).5030250011		assumed deletion	284212	1993	255791	2017-18	Refer item no. B1 in Form 9A / FY 2017-18
2	Purchase of 1 no. Unit Auxiliary Transformers (UATs).5030250012		assumed deletion	284212	1993	255791	2017-18	
3	Purchase of 1 no. Unit Auxiliary Transformers (UATs).5030250013		assumed deletion	284212	1993	255791	2017-18	
4	Purchase of 1 no. Station Service Transformers (SSTs).5030250009		assumed deletion	429270	1993	386343	2017-18	Refer item no. B2 in Form 9A / FY 2017-18
5	Purchase of 1 no. Station Service Transformers (SSTs).5030250010		assumed deletion	329000	1993	296000	2017-18	
6	LT Panel		assumed deletion	38876	1993	29702	2017-18	Refer item no. C1 in Form 9A / FY 2017-18
7	NUMERICAL COMPLETE GENERATING UNIT PROTECTION SYSTEM		assumed deletion	201316	1993	157872	2017-18	Refer item no. C2 in Form 9A / FY 2017-18
8	RADAR BASED WATER LEVEL MEASUREMENT		assumed deletion	591478	1993	254830	2017-18	Refer item no. C4 &C5 in Form 9A / FY 2017-18
			TOTAL	2442576.00				
B	Deletion of Assets (as per books of accounts)							
1	Beacon Pump- Model-sdc150/200 (21/04/04)	411112	Exclusion	124790	2004	118550	2017-18	Assumed deletion already claimed during 2014-15 (refer item no. A(2) of Form-9B(i))
3	Perfect submersible Pump	411112	Claim	157148	2001	149291	2017-18	Replacement value against addition at item no. B(6) during 2017-18.
4	Perfect submersible Pump	411112	Claim	157148	2001	149291	2017-18	
5	Perfect submersible Pump	411112	Claim	157148	2001	149291	2017-18	
6	Perfect submersible pump, model-P-8135,35HP, s.no.2697/98	411112	Claim	157148	2001	149291	2017-18	No pump purchased as replacement

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Sl. No.	Name of the Asset	Head of account	Nature of de-capitlization (whether claimed under exclusion or as additional capital expenditure)	Original Value of the Asset Capitalised	Year Put to use	Depreciation recovered till date of de-capitalization	Year of De-cpitalisation	Remarks
7	Submersible Pump W/Motor (05.06.2007)	411112	**Exclusion**	36529	2007	26262	2017-18	Assumed deletion already claimed during 2015-16 (refer item no. A(1) to A(3) of Form-9B(i))
8	Submursible Pump W/ Motor (03-03-2008)	411112	**Exclusion**	33663	2008	21769	2017-18	
9	Submursible Pump W/ Motor (03-03-2008)	411112	**Exclusion**	33663	2008	21769	2017-18	
10	Submursible Pump W/ Motor (03-03-2008)	411112	**Claim**	33662	2008	21768	2017-18	Replacement value against addition at item no. B(7) during 2016-17.
11	Submursible Pump W/ Motor (03-03-2008)	411112	**Claim**	33662	2008	21768	2017-18	
13	RUNNER BLADE FOR 40 MW KAPLAN TURBINE, DRAWING NO. 02040719001	410701	**Exclusion**	10950720	1993	8206740	2017-18	Deletion already claimed as assumed deletion during 2016-17 (refer item no. A8)
14	Mixture with diesel eng.	412502	Exclusion	15555	1985	15554	2017-18	
15	Extension ladder 10.5mtr.(6/8/05)	412503	Exclusion	63757	2005	32278	2017-18	
16	ESAB easy weld, SSR-600, code-01398	411114	Exclusion	118055	2001	112152	2017-18	Purchased welding set current range up to 600Amp, 3Ph, 50Hz with O.ID: 8701250003
17	HM Work shop building conference hall and civil office building at barrage and store at silt Ejector	410304	Exclusion	8645	2017	5459771		
18	Digital Megger (15/12/03)	410806	Exclusion	121310	2003	0	2017-18	
19	Centrifugal monoblock Pump 0.75KW/1 HP 32/25mm (02.03.09)	411112	Exclusion	5600	2009	0	2017-18	
20	Centrifugal monoblock Pump 0.75KW/1 HP 50/50mm (02.03.09)	411112	Exclusion	5900	2009	0	2017-18	
21	Monoblock Pump	411112	Exclusion	9763	1992	0	2017-18	
22	Monoblock Pump	411112	Exclusion	9763	1992	0	2017-18	
23	Monoblock Pump	411112	Exclusion	7480	1997	0	2017-18	
24	Monoblock Pump	411112	Exclusion	7480	1997	0	2017-18	
25	Monoblock pump	411112	Exclusion	7720	2001	0	2017-18	
26	Heavy duty drill machine (25/01/05)	411116	Exclusion	13338	2005	0	2017-18	
27	HMP make drilling mach.	411116	Exclusion	4093	1993	0	2017-18	
28	HMP make drilling mach.	411116	Exclusion	4093	1993	0	2017-18	
29	Jack Hammers	411116	Exclusion	11791	1984	0	2017-18	
30	Jack Hammers	411116	Exclusion	11790	1984	0	2017-18	
31	Jack Hammers	411116	Exclusion	11791	1984	0	2017-18	

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Sl. No.	Name of the Asset	Head of account	Nature of de-capitlization (whether claimed under exclusion or as additional capital expenditure)	Original Value of the Asset Capitalised	Year Put to use	Depreciation recovered till date of de-capitalization	Year of De-cpitalisation	Remarks
32	Jack Hammers	411116	Exclusion	11791	1984	0	2017-18	
33	Chain pully	411130	Exclusion	29635	1998	0	2017-18	
34	Chain hoist (1.5Ton)	411130	Exclusion	59159	2000	0	2017-18	
35	Chain hoist (1.5Ton)	411130	Exclusion	59158	2000	0	2017-18	
36	Hydraulic Jack	411130	Exclusion	65000	2001	0	2017-18	
37	Hydraulic Jack	411130	Exclusion	156000	2001	0	2017-18	
38	Hydraulic PUMP For 100 ton hydraulic Jack(6530020019)	411130	Exclusion	102150	2001	0	2017-18	
39	Hydraulic Jack	411130	Exclusion	5850	2001	0	2017-18	
40	Hydraulic Jack	411130	Exclusion	14600	2001	0	2017-18	
41	Hydraulic Jack	411130	Exclusion	141216	2001	0	2017-18	
42	Hydraulic Jack	411130	Exclusion	124384	2001	0	2017-18	
43	Hydraulic Jack	411130	Exclusion	15184	2001	0	2017-18	
44	Hydraulic Jack	411130	Exclusion	101936	2001	0	2017-18	
45	Hydraulic Jack, model-Rc-2545 (1no.), RC104 (2no.), RC-55 (2no.)	411130	Exclusion	59800	2001	0	2017-18	
46	Hydraulic Jack, model-Rc-2545 (1no.), RC104 (2no.), RC-55 (2no.)	411130	Exclusion	50400	2001	0	2017-18	
47	Grinder	411130	Exclusion	9223	1993	0	2017-18	
48	Grinder	411130	Exclusion	9223	1993	0	2017-18	
49	Ultima heavy duty Vaccum Cleaner	411130	Exclusion	23500	2008	0	2017-18	
50	Chasis for Mini Bus	411507	Exclusion	16015	1985	0	2017-18	
51	Revolving chairs	411701	Exclusion	1612	2001	0	2017-18	
52	Easy chairs	411707	Exclusion	2316	2000	0	2017-18	
53	Easy chairs	411707	Exclusion	2315	2000	0	2017-18	
54	Easy chairs	411707	Exclusion	2315	2000	0	2017-18	
55	Easy chairs	411707	Exclusion	2315	2000	0	2017-18	
56	Study chair	411707	Exclusion	1134	2000	0	2017-18	
57	Study chair	411707	Exclusion	1134	2000	0	2017-18	

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Sl. No.	Name of the Asset	Head of account	Nature of de-capitlization (whether claimed under exclusion or as additional capital expenditure)	Original Value of the Asset Capitalised	Year Put to use	Depreciation recovered till date of de-capitalization	Year of De-cpitalisation	Remarks
58	Study chair	411707	Exclusion	1180	2000	0	2017-18	
59	Study chair	411707	Exclusion	1179	2000	0	2017-18	
60	Study chair	411707	Exclusion	1179	2000	0	2017-18	
61	Study chair	411707	Exclusion	1179	2000	0	2017-18	
62	Study chair	411707	Exclusion	1179	2000	0	2017-18	
63	Micro Wave Oven 28 ltr (Convection) (17.05.08)	411707	Exclusion	11500	2008	0	2017-18	
64	CVT	411804	Exclusion	4980	1998	0	2017-18	
65	DSL MODEM (19.1.07)	411806	Exclusion	19240	2007	0	2017-18	
66	Mobile Hand Set Moto G 3rd Generation (Black 16 GB)	411902	Exclusion	10099	2016	0	2017-18	
67	Clock quality attendance system	412001	Exclusion	12281	1985	0	2017-18	
68	Clock quality attendance system	412001	Exclusion	12280	1985	0	2017-18	
69	Aquaguard	412007	Exclusion	6090	1999	0	2017-18	
70	Desert cooler	412007	Exclusion	1950	1998	0	2017-18	
71	Water cooler	412007	Exclusion	10487	1991	0	2017-18	
72	Water cooler	412007	Exclusion	10487	1991	0	2017-18	
73	Water cooler	412007	Exclusion	10487	1991	0	2017-18	
74	Air Conditioner Split type 1.5 Ton (27-09-07)	412008	Exclusion	21058	2007	0	2017-18	
75	Air Conditioner Split type 1.5 Ton (27-09-07)	412008	Exclusion	21058	2007	0	2017-18	
76	AKAI Colour TV-CT-21W9, S no. 2197	412501	Exclusion	9090	1999	0	2017-18	
77	AKAI Colour TV-CT-21W9, S no. 1089	412501	Exclusion	7590	1999	0	2017-18	
78	AKAI Colour TV-CT-21W9, S no. 2194,	412501	Exclusion	7590	1999	0	2017-18	
79	AKAI Colour TV-CT-21W9, S no. 2390,	412501	Exclusion	9090	1999	0	2017-18	
80	AKAI Colour TV-CT-21W9, S no. 3289	412501	Exclusion	9090	1999	0	2017-18	
81	AKAI Colour TV-CT-21W9, S no.3285	412501	Exclusion	7590	1999	0	2017-18	
82	AKAI Colour TV-CT-A321	412501	Exclusion	12500	1999	0	2017-18	
83	Bellete Colour TV with Bushter and Antenna	412501	Exclusion	6280	1984	0	2017-18	
84	Colour TV (Vidocone Model 3605R)	412501	Exclusion	9200	1996	0	2017-18	
85	Colour TV (Vidocone Model 3605R)	412501	Exclusion	9200	1996	0	2017-18	

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Sl. No.	Name of the Asset	Head of account	Nature of de-capitlization (whether claimed under exclusion or as additional capital expenditure)	Original Value of the Asset Capitalised	Year Put to use	Depreciation recovered till date of de-capitalization	Year of De-cpitalisation	Remarks
86	Crown Colour TV VT 70 DLX with remote control	412501	Exclusion	5756	1986	0	2017-18	
87	AIWA TV with asse.	412503	Exclusion	9871	2000	0	2017-18	
88	AIWA TV with asse.	412503	Exclusion	9871	2000	0	2017-18	
89	AIWA TV with asse.	412503	Exclusion	9871	2000	0	2017-18	
90	AIWA TV with asse.	412503	Exclusion	9870	2000	0	2017-18	
91	AIWA TV with asse.	412503	Exclusion	9870	2000	0	2017-18	
92	HYDRAULIC JACK 10 TON CAPACITY WITH HANDLE	412503	Exclusion	28280	2012	0	2017-18	
93	Electronic Weighing M/c - 5 KG, least count 500 mg. (02/06/2007)	412503	Exclusion	6180	2007	0	2017-18	
94	Pneumate wrench	412503	Exclusion	105102	2001	0	2017-18	
95	Godrej Refridgerator, 165ltr. S. No. 08500192	412503	Exclusion	8200	2001	0	2017-18	
96	Vaccum cleaner	412503	Exclusion	11629	1993	0	2017-18	
97	Lifting machine	412503	Exclusion	6006	1994	0	2017-18	
98	Lifting machine	412503	Exclusion	6006	1994	0	2017-18	
99	Lifting machine	412503	Exclusion	6006	1994	0	2017-18	
100	Lifting machine	412503	Exclusion	6006	1994	0	2017-18	
101	Lifting machine	412503	Exclusion	6006	1994	0	2017-18	
102	Lifting machine	412503	Exclusion	6006	1994	0	2017-18	
103	Ladders 206/202/208 L	412801	Exclusion	2637	1993	0	2017-18	
104	Chair- CH-13	412801	Exclusion	876	1986	0	2017-18	
105	Chair- CH-13	412801	Exclusion	1345	1991	0	2017-18	
106	PLASTIC CHAIR MAKE-SUPRIME MODEL -HARWARD	412801	Exclusion	950	2012	0	2017-18	
107	PLASTIC CHAIR MAKE-SUPRIME MODEL -HARWARD	412801	Exclusion	950	2012	0	2017-18	
108	PLASTIC CHAIR MAKE-SUPRIME MODEL -HARWARD	412801	Exclusion	950	2012	0	2017-18	
109	PLASTIC CHAIR MAKE-SUPRIME MODEL -HARWARD	412801	Exclusion	950	2012	0	2017-18	
110	PLASTIC TABLE	412801	Exclusion	2010	2013	0	2017-18	
111	PLASTIC TABLE	412801	Exclusion	2010	2013	0	2017-18	

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Sl. No.	Name of the Asset	Head of account	Nature of de-capitlization (whether claimed under exclusion or as additional capital expenditure)	Original Value of the Asset Capitalised	Year Put to use	Depreciation recovered till date of de-capitalization	Year of De-cpitalisation	Remarks
112	Single Bed 6*3 (17/1/06)	412801	Exclusion	1300	2006	0	2017-18	
113	Single Bed 6*3 (17/1/06)	412801	Exclusion	1300	2006	0	2017-18	
114	Single Bed 6*3 (17/1/06)	412801	Exclusion	1300	2006	0	2017-18	
115	Single Bed 6*3 (17/1/06)	412801	Exclusion	1300	2006	0	2017-18	
116	PAKE TABLE (STOOL) 30X14X21	412801	Exclusion	2000	2012	0	2017-18	
117	PAKE TABLE (STOOL) 30X14X21	412801	Exclusion	2000	2012	0	2017-18	
118	Takht	412801	Exclusion	2028	2001	0	2017-18	
119	Takht	412801	Exclusion	2028	2001	0	2017-18	
120	Heat convector Blow hot (22.01.08)	412801	Exclusion	1850	2008	0	2017-18	
121	Heat convector Blow hot (22.01.08)	412801	Exclusion	1850	2008	0	2017-18	
122	Heat Convector blow hot for silt ejector (7.2.07)	412801	Exclusion	1500	2007	0	2017-18	
123	Heat Convector for Barrage HM(29.3.2007)	412801	Exclusion	1475	2007	0	2017-18	
124	Heat Convector for Barrage HM(29.3.2007)	412801	Exclusion	1475	2007	0	2017-18	
125	Oil filled radiator,230 V AC,50 Hz 800W/1 200W/2000W (Three heating position (27.12.07)	412801	Exclusion	4280	2007	0	2017-18	
126	Color TV, Sansui Make-14, (26.02.2008)	412801	Exclusion	3690	2008	0	2017-18	
127	Color TV, Sansui Make-14, (26.02.2008)	412801	Exclusion	3690	2008	0	2017-18	
128	Color TV, Sansui Make-14, (26.02.2008)	412801	Exclusion	3690	2008	0	2017-18	
129	Trigler Pump	412801	Exclusion	1413	1990	0	2017-18	
130	Trigler Pump	412801	Exclusion	1413	1990	0	2017-18	
131	MANUAL LAWN MOVER (CYLINDRICAL BLADES TYPE, 380 MM)	412801	Exclusion	2950	2010	0	2017-18	
132	Mixer grinder	412801	Exclusion	3260	2002	0	2017-18	
133	Mixer Grinder for CISF (20.1.07)	412801	Exclusion	4368	2007	0	2017-18	
134	Refrigerator 165	412801	Exclusion	2572	1986	0	2017-18	
135	Refrigerator 290	412801	Exclusion	3928	1985	0	2017-18	
136	Desert cooler	412801	Exclusion	2475	2001	0	2017-18	
137	Desert cooler	412801	Exclusion	2475	2001	0	2017-18	
138	Desert cooler	412801	Exclusion	2475	2001	0	2017-18	

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Sl. No.	Name of the Asset	Head of account	Nature of de-capitlization (whether claimed under exclusion or as additional capital expenditure)	Original Value of the Asset Capitalised	Year Put to use	Depreciation recovered till date of de-capitalization	Year of De-cpitalisation	Remarks
139	Desert cooler MS sheet body with heavy dutu exhaust fan (3.10.2007)	412801	Exclusion	3609	2007	0	2017-18	
140	Desert Cooler MS sheet body with heavy duty exhaust fan(08/09/07)	412801	Exclusion	3610	2007	0	2017-18	
141	Desert Cooler MS sheet body with heavy duty exhaust fan(08/09/07)	412801	Exclusion	3610	2007	0	2017-18	
142	Desert coolers	412801	Exclusion	2275	2005	0	2017-18	
143	Desert coolers	412801	Exclusion	2275	2005	0	2017-18	
144	Desert coolers	412801	Exclusion	2275	2005	0	2017-18	
145	HEAT CONVECTOR 2KW	412801	Exclusion	2800	2014	0	2017-18	
146	HEAT CONVECTOR 2KW	412801	Exclusion	2800	2014	0	2017-18	
147	ROOM HEATER DOUBLE ROD/SINGLE	412801	Exclusion	1000	2014	0	2017-18	
148	ROOM HEATER DOUBLE ROD/SINGLE	412801	Exclusion	1000	2014	0	2017-18	
149	ROOM HEATER DOUBLE ROD/SINGLE	412801	Exclusion	1000	2014	0	2017-18	
150	ROOM HEATER DOUBLE ROD/SINGLE	412801	Exclusion	1000	2014	0	2017-18	
151	ROOM HEATER DOUBLE ROD/SINGLE	412801	Exclusion	1000	2014	0	2017-18	
152	ROOM HEATER DOUBLE ROD/SINGLE	412801	Exclusion	1000	2014	0	2017-18	
153	ROOM HEATER DOUBLE ROD/SINGLE	412801	Exclusion	1000	2014	0	2017-18	
154	ROOM HEATER DOUBLE ROD/SINGLE	412801	Exclusion	1000	2014	0	2017-18	
155	ROOM HEATER DOUBLE ROD/SINGLE	412801	Exclusion	1000	2014	0	2017-18	
156	ROOM HEATER DOUBLE ROD/SINGLE	412801	Exclusion	1000	2014	0	2017-18	
157	ROOM HEATER DOUBLE ROD/SINGLE	412801	Exclusion	1000	2014	0	2017-18	
158	ROOM HEATER DOUBLE ROD/SINGLE	412801	Exclusion	1000	2014	0	2017-18	
159	ROOM HEATER DOUBLE ROD/SINGLE	412801	Exclusion	1000	2014	0	2017-18	
160	ROOM HEATER DOUBLE ROD/SINGLE	412801	Exclusion	1000	2014	0	2017-18	
161	ROOM HEATER DOUBLE ROD/SINGLE	412801	Exclusion	1000	2014	0	2017-18	

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Sl. No.	Name of the Asset	Head of account	Nature of de-capitlization (whether claimed under exclusion or as additional capital expenditure)	Original Value of the Asset Capitalised	Year Put to use	Depreciation recovered till date of de-capitalization	Year of De-cpitalisation	Remarks
162	ROOM HEATER DOUBLE ROD/SINGLE	412801	Exclusion	1000	2014	0	2017-18	
163	ROOM HEATER DOUBLE ROD/SINGLE	412801	Exclusion	1000	2014	0	2017-18	
164	ROOM HEATER DOUBLE ROD/SINGLE	412801	Exclusion	1000	2014	0	2017-18	
165	ROOM HEATER DOUBLE ROD/SINGLE	412801	Exclusion	1000	2014	0	2017-18	
166	Electric Press	412801	Exclusion	1390	2005	0	2017-18	
167	Surgical Equipments	412801	Exclusion	2904	1992	0	2017-18	
168	Surgical Equipments	412801	Exclusion	2904	1992	0	2017-18	
169	Surgical Equipments	412801	Exclusion	2904	1992	0	2017-18	
170	Surgical Equipments	412801	Exclusion	2904	1992	0	2017-18	
171	Surgical Equipments	412801	Exclusion	2903	1992	0	2017-18	
172	Surgical Equipments	412801	Exclusion	2903	1992	0	2017-18	
173	Chest stand	412801	Exclusion	3958	1992	0	2017-18	
174	Chest stand	412801	Exclusion	3958	1992	0	2017-18	
175	Chest stand	412801	Exclusion	3958	1992	0	2017-18	
176	Gechter MI-450, T.D.Thedoter	411130	Exclusion	49075		0	2017-18	IUT
177	Gechter MI-450, T.D.Thedoter	411130	Exclusion	28465		0	2017-18	IUT
178	Gechter MI-450, T.D.Thedoter	411130	Exclusion	28465		0	2017-18	IUT
179	Self reducing Adhali	411130	Exclusion	23486		0	2017-18	IUT
180	LAPTOP (COMPUTER) - LENOVO E- 460 (20EUA02CIG)	411801	Exclusion	56385		0	2017-18	IUT
181	INTEX MOBILE PHONE	412801	Exclusion	3500		0	2017-18	IUT
182	LYF Mobile Phone	412801	Exclusion	3500		0	2017-18	IUT
	Total deletion during 2017-18			**1,42,18,798**	**2,92,272**	**1,46,55,545**		

For D S P & Associates
Chartered Accountants

For NHPC LTD.

(M G Gokhale)
GM (Comml.)

DSP & ASSOCIATES * FRN 006791N NEW DELHI * CHARTERED ACCOUNTANTS

DSP & ASSOCIATES * FRN 006791N NEW DELHI * CHARTERED ACCOUNTANTS

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FORM-9B (i)

Details of Assets De-capitalized during the period

Name of the Petitioner : NHPC Ltd.

Name of the Generating Station : Tanakpur Power station

Region : Northern

State : Uttarakhand District :Champawat

COD : 1-Apr-93

(AMOUNT IN RS.)

FY - 2018-19

Sl. No.	Name of the Asset	Head of account	Nature of de-capitlization (whether claimed under exclusion or as additional capital expenditure)	Original Value of the Asset Capitalised	Year Put to use	Depreciation recovered till date of de-capitalization	Year of De-cpitalisation	Remarks
1	2		3	4	5	6		
A. Assumed Deletion								
			NIL					
B	Deletion of Assets (as per books of accounts)							
1	Transformer 1000KVA, YULE make S.No.11853	410801	Claimed	269801	1989	236888	2018-19	
2	Transformer 800KVA, YULE make S.No.11850	410801	Claimed	232983	1989	204562	2018-19	
3	SUBMERSIBLE PUMP SET 40 HP, ROCKWELL, MODEL -RM-185	411112	Claimed	102985	2011	63842	2018-19	
4	D.G.Set 500KVA, Model-V.TA1710&PSC	411002	Exclusion	724196	1986	612837	2018-19	Decapitalisation value already claimed as assumed deletion during 2012-13 (refer item no. A(1) of Form-9A).
5	D.G.Set 500KVA, Model-V.TA1710&PSC	411002	Exclusion	724196	1986	612837	2018-19	
6	DG Set 500 KVA	411002	Exclusion	775136	1987	665842	2018-19	De-capitalisation value already claimed as assumed deletion during 2014-15 item no. 1 of Form-9B(i).
7	SQUIRREL CAGE INDUCTION MOTOR 150 HP, 415V	410712	Exclusion	79396	1993	59499		Assumed deletion already considered during 2016-17 (refer item no. A2 to A5).
8	SQUIRREL CAGE INDUCTION MOTOR 150 HP, 415V	410712	Exclusion	79396	1993	59499		
9	SQUIRREL CAGE INDUCTION MOTOR 150 HP, 415V	410712	Exclusion	79396	1993	59499		

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Sl. No.	Name of the Asset	Head of account	Nature of de-capitlization (whether claimed under exclusion or as additional capital expenditure)	Original Value of the Asset Capitalised	Year Put to use	Depreciation recovered till date of de-capitalization	Year of De-cpitalisation	Remarks
1	2		3	4	5	6		
10	SQUIRREL CAGE INDUCTION MOTOR 150 HP, 415V	410712	Exclusion	79396	1993	59499		
11	NUMERICAL COMPLETE GENERATING UNIT PROTECTION SYSTEM FOR 3 X 31.4 MW HYDRO GENERATING UNIT	410701	Exclusion	207400	1993	155426		Deletion already claimed as assumed deletion during 2016-17 (refer item no. A6 & A7)
12	NUMERICAL COMPLETE GENERATING UNIT PROTECTION SYSTEM FOR 3 X 31.4 MW HYDRO GENERATING UNIT	410701	Exclusion	207400	1993	155426		
13	Guide Vanes Lever Strips(Cap-02-03)	410701	Exclusion	22108		16568		Not covered under any count at sl. no. 14(3) of CERC
14	Guide Vanes Lever Strips(Cap-02-03)	410701	Exclusion	22107		16567		Not covered under any count at sl. no. 14(3) of CERC
15	GV Lever 016(Cap-02-03)	410701	Exclusion	23839		17865		Not covered under any count at sl. no. 14(3) of CERC
16	GV Lever 016(Cap-02-03)	410701	Exclusion	23839		17865		Not covered under any count at sl. no. 14(3) of CERC
17	Hydraulic Jack	411130	Exclusion	59800	2001	56810	2018-19	Not covered under any count at sl. no. 14(3) of CERC
18	Hydraulic Jack	411130	Exclusion	59800	2001	56810	2018-19	Not covered under any count at sl. no. 14(3) of CERC
19	Hydraulic Jack	411130	Exclusion	50400	2001	47880	2018-19	Not covered under any count at sl. no. 14(3) of CERC
20	Hydraulic Jack	411130	Exclusion	50400	2001	47880	2018-19	Not covered under any count at sl. no. 14(3) of CERC
21	Hydraulic Jack	411130	Exclusion	17850	2001	17849	2018-19	Not covered under any count at sl. no. 14(3) of CERC
22	Tripple tamps	411130	Exclusion	16471	1989	16470	2018-19	Not covered under any count at sl. no. 14(3) of CERC
23	Tripple tamps	411130	Exclusion	16470	1989	16469	2018-19	Not covered under any count at sl. no. 14(3) of CERC

Sl. No.	Name of the Asset	Head of account	Nature of de-capitlization (whether claimed under exclusion or as additional capital expenditure)	Original Value of the Asset Capitalised	Year Put to use	Depreciation recovered till date of de-capitalization	Year of De-cpitalisation	Remarks
1	2		3	4	5	6		
24	Crimpling tool	411130	Exclusion	12359	1989	12358	2018-19	Not covered under any count at sl. no. 14(3) of CERC
25	PVC partition (from TSD)	411701	Exclusion	99644	1999	81583	2018-19	Not covered under any count at sl. no. 14(3) of CERC
26	Godrej Chair, PCH-7001	411701	Exclusion	7208	2002	7207	2018-19	Not covered under any count at sl. no. 14(3) of CERC
27	Drafting machine	412003	Exclusion	7644	1985	6162	2018-19	Not covered under any count at sl. no. 14(3) of CERC
28	Drafting machine	412003	Exclusion	2394	1984	2393	2018-19	Not covered under any count at sl. no. 14(3) of CERC
29	Drafting machine	412003	Exclusion	2394	1984	2393	2018-19	Not covered under any count at sl. no. 14(3) of CERC
30	Drafting machine	412003	Exclusion	1775	1984	1774	2018-19	Not covered under any count at sl. no. 14(3) of CERC
31	Drafting machine	412003	Exclusion	1775	1984	1774	2018-19	Not covered under any count at sl. no. 14(3) of CERC
32	Drafting machine	412003	Exclusion	1774	1984	1773	2018-19	Not covered under any count at sl. no. 14(3) of CERC
33	Auto Analyser (27/06/2003)	412005	Exclusion	295000	2003	179327	2018-19	Not covered under any count at sl. no. 14(3) of CERC
34	BPL ECG Machine	412005	Exclusion	30820	1999	22998	2018-19	Not covered under any count at sl. no. 14(3) of CERC
35	SPHYGMONOMETER (B.P INSTRUMENT)	412005	Exclusion	1943	2012	1942	2018-19	Not covered under any count at sl. no. 14(3) of CERC
36	Pump	412801	Exclusion	4802	1992	4801	2018-19	Not covered under any count at sl. no. 14(3) of CERC
37	AMBU BAG	412801	Exclusion	4750	2014	4749	2018-19	Not covered under any count at sl. no. 14(3) of CERC

SSP & ASSOCIATES * CHARTERED ACCOUNTANTS * FRN 006791N NEW DELHI

Sl. No.	Name of the Asset	Head of account	Nature of de-capitlization (whether claimed under exclusion or as additional capital expenditure)	Original Value of the Asset Capitalised	Year Put to use	Depreciation recovered till date of de-capitalization	Year of De-cpitalisation	Remarks
1	2		3	4	5	6		
38	Lawn Mowner	412801	Exclusion	4050	2002	4049	2018-19	Not covered under any count at sl. no. 14(3) of CERC
39	Nokia 225 Black	412801	Exclusion	3300	2015	3299	2018-19	Not covered under any count at sl. no. 14(3) of CERC
40	Electronic Weighing Machine -5 KG for hospital (21.02.09)	412801	Exclusion	3200	2009	3199	2018-19	Not covered under any count at sl. no. 14(3) of CERC
41	Lawn mover 14 (31/8/05)	412801	Exclusion	2620	2005	2619	2018-19	Not covered under any count at sl. no. 14(3) of CERC
42	Lawn mover 14 (31/8/05)	412801	Exclusion	2620	2005	2619	2018-19	Not covered under any count at sl. no. 14(3) of CERC
43	Lawn mover 14 (31/8/05)	412801	Exclusion	2620	2005	2619	2018-19	Not covered under any count at sl. no. 14(3) of CERC
44	SPHYGMONOMETER (B.P INSTRUMENT)	412801	Exclusion	2180	2014	2179	2018-19	Not covered under any count at sl. no. 14(3) of CERC
45	SPHYGMONOMETER (B.P INSTRUMENT)	412801	Exclusion	2180	2014	2179	2018-19	Not covered under any count at sl. no. 14(3) of CERC
46	SPHYGMONOMETER (B.P INSTRUMENT)	412801	Exclusion	2180	2014	2179	2018-19	Not covered under any count at sl. no. 14(3) of CERC
47	Pest Repeller	412801	Exclusion	982	1995	981	2018-19	Not covered under any count at sl. no. 14(3) of CERC
48	Pest Repeller	412801	Exclusion	982	1995	981	2018-19	Not covered under any count at sl. no. 14(3) of CERC
	Total deletion during 2018-19			**4425961**		**1236018**		

For D S P & Associates
Chartered Accountants

DSP & ASSOCIATES * CHARTERED ACCOUNTANTS * FRN 016791N NEW DELHI

For NHPC LTD.

(M G Gokhale)
GM (Comml.)

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Form-9E

Statement of Capital Cost

(To be given for relevant dates and year wise)

Name of the Petitioner : NHPC Ltd.

Name of the Generating Station : Tanakpur Power Station

(Amount in Lakhs)

Sl. No.		Particulars	As on relevant date [1]
A	a)	Opening Gross Block amount As per books	
	b)	Amount of Capital liabilities in A(a) above	
	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 Gross Block amount during the period (Direct purchases)	
	b)	Amount of Capital liabilities in B(a) above	
	c)	Amount of IDC in B(a) above	NOT APPLICABLE
	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	

Note:

1. Relevant date/s means date of COD of unit/s/station and financial year start date and end date.

For D S P & Associates
Chartered Accountants

DSP & ASSOCIATES * CHARTERED ACCOUNTANTS * FRN 006791N NEW DELHI

For NHPC Ltd

(M G Gokhale)
GM (Comml.)

Form-9F

Statement of Capital Woks in Progress

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

Name of the Petitioner : NHPC Ltd.

Name of the Generating Station :Tanakpur Power Station

(Amount in Rs. Lakhs)

Sl. No.		Particulars	As on relevant date [1]
A	a)	Opening CWIP As per books	
	b)	Amount of Capital liabilities in A(a) above	
	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	NOT APPLICABLE
	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	

Note:

1. Relevant date/s means date of COD of unit/s/station and financial year start date and end date.

For D S P & Associates
Chartered Accountants

D S P & ASSOCIATES * CHARTERED ACCOUNTANTS * FRN 009791N NEW DELHI

For NHPC Ltd

(M G Gokhale)
GM (Comml.)

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FORM-10

Financing of Additional Capitalisation

Name of the Petitioner : **NHPC Limited**
Name of the Generating Station : **Tanakpur Power Station**
Date of Commercial Operation : 01.04.1993

(Amount in Rs. Lakhs)

Financial Year (Starting from COD) [1]	Actual / projected					Admitted				
	Year 1	Year 2	Year 3	Year 4	Year 5	Year 1	Year 2	Year 3	Year 4	Year 5 & so on
1	2	3	4	5	6	7	8	9	10	11
Amount capitalised in Work / Equipment	74.54	133.31	880.48	101.93	81.58					
Financing Details										
Loan-1										
Loan-2										
Loan-3 and so on										
Total Loan[2]										
Equity										
Internal Resources	74.54	133.31	880.48	101.93	81.58					
Others (Pl. specify)										
Total	74.54	133.31	880.48	101.93	81.58					

Note:

1 Year 1 refers to Financial Year of COD and Year 2, Year 3 etc. are the subsequent financial years respectively.

2 Loan details for meeting the additional capitalisation requirement should be given as per FORM-7 or 8 whichever is relevant.

For D S P & Associates
Chartered Accountants

DSP & ASSOCIATES * CHARTERED ACCOUNTANTS * FRN 006791N NEW DELHI

For NHPC LTD.

(M G Gokhale)
GM (Comml.)

Form-11

Calculation of Depreciation

Name of the Petitioner : **NHPC Limited**
Name of the Generating Station : **Tanakpur Power Station**

(Amount in ` Lakhs)

Sl. No.	Name of the Assets[1]	Gross Block as on 31.03.2014 or as on COD, whichever is later and subsequently for each year thereafter up to 31.03.2019	Depreciation Rates as per CERC's Depreciation Rate Schedule	Depreciation Amount for each year up to 31.03.2019
	1	2	3	4 = Col.2 X Col.3
1	Land*			
5	Buildings			
6	and so on	Power station has completed 12 years of commercial operation in FY 2009-10, therefore, depreciation rate is not applicable.		
7				
8				
9				
10				
11				
12				
13				
14				
15				
	TOTAL			
Weighted Average Depreciation Rate (%) of depreciation				

* Provide details of Freehold Land, Leasehold Land and Land under reservoir separately

Note:
1. Name of the Assets should conform to the description of the assets mentioned in Depreciation Schedule appended to the Notification.

For D S P & Associates
Chartered Accountants

DSP & ASSOCIATES * CHARTERED ACCOUNTANTS * FRN:000791N NEW DELHI

For NHPC LTD.

(M G Gokhale)
GM (Comml.)

FORM-12

Statement of Depreciation

Name of the Petitioner : **NHPC Limited**
Name of the Generating Station : **Tanakpur Power Station**

(Amount in ` Lakh)

Sl. No.	Particulars	2013-14	2014-15	2015-16	2016-17	2017-18	2018-19
1	2		3	4	5	6	7
1	Opening Capital Cost	40,453.94	40,764.41	40,838.95	40,972.26	41,852.74	41,954.67
2	Closing Capital Cost	40,764.41	40,838.95	40,972.26	41,852.74	41,954.67	42,036.26
3	Average Capital Cost	40,609.17	40,801.68	40,905.61	41,412.50	41,903.71	41,995.46
4	Freehold land*						
5	Rate of depreciation						
6	Depreciable value	36,548.26	36,721.51	36,815.04	37,271.25	37,713.33	37,795.92
7	Balance useful life at the beginning of the period	15.00	14.00	13.00	12.00	11.00	10.00
8	Remaining depreciable value	14,443.95	13,687.16	12,830.10	12,331.56	11,866.45	10,890.41
9	**Depreciation (for the period)**	**962.93**	**977.65**	**986.93**	**1,027.63**	**1,078.77**	**1,089.04**
10	**Depreciation (annualised)**						
11	Cumulative depreciation at the end of the period	23,067.24	24,012.01	24,971.88	25,967.32	26,925.65	27,994.55
12	Less : Cumulative depreciation adjustment on account of de-capitalisation (Refer Form-9B(i))	32.89	27.06	32.19	120.44	20.14	4.03
13	Net Cumulative depreciation at the end of the period	23,034.35	23,984.95	24,939.69	25,846.88	26,905.51	27,990.51

Note:
1. In case of details of FERV and AAD, give information for the applicable period.

For D S P & Associates
Chartered Accountants

DSP & ASSOCIATES * CHARTERED ACCOUNTANTS * FRN 006791N NEW DELHI

For NHPC LTD.

(M G Gokhale)
GM (Comml.)

FORM-13

Calculation of Weighted Average Rate of Interest on Actual Loans[1]

Name of the Petitioner : **NHPC Limited**
Name of the Generating Station : **Tanakpur Power Station**

(Amount in Rs. Lakh)

Particulars	Existing 2013-14	2014-15	2015-16	2016-17	2017-18	2018-19
Loan-1						
Gross loan - Opening						
Cumulative repayments of Loans upto previous year						
Net loan - Opening						
Add: Drawal(s) during the Year						
Less: Repayment (s) of Loans during the year						
Net loan - Closing						
Average Net Loan		Not Applicable				
Rate of Interest on Loan on annual basis						
Interest on loan						
Loan-2						
Gross loan - Opening						
Cumulative repayments of Loans upto previous year						
Net loan - Opening						
Add: Drawal(s) during the Year						
Less: Repayment (s) of Loans during the year						
Net loan - Closing						
Average Net Loan						
Rate of Interest on Loan on annual basis						
Interest on loan						
Loan-3 and so on						
Gross loan - Opening						
Cumulative repayments of Loans upto previous year						
Net loan - Opening						
Add: Drawal(s) during the Year						
Less: Repayment (s) of Loans during the year						
Net loan - Closing						
Average Net Loan						
Rate of Interest on Loan on annual basis						
Interest on loan						
Total Loan						
Gross loan - Opening						
Cumulative repayments of Loans upto previous year						
Net loan - Opening						
Add: Drawal(s) during the Year						
Less: Repayment (s) of Loans during the year						
Net loan - Closing						
Average Net Loan						
Interest on loan						
Weighted average Rate of Interest on Loans						

Note:

1. In case of Foreign Loans, the calculations in Indian Rupees is to be furnished. However, the calculation in Original currency is also to be furnished separately in the same form.

For D S P & Associates
Chartered Accountants

DSP & ASSOCIATES ★ CHARTERED ACCOUNTANTS ★ FRN 006791N NEW DELHI

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For NHPC LTD.

(M G Gokhale)
GM (Comml.)

FORM-13A

Calculation of Interest on Normative Loan

Name of the Petitioner : **NHPC Limited**
Name of the Generating Station : **Tanakpur Power Station**

(Amount in Rs. Lakh)

Sl. No.	Particulars	2013-14	2014-15	2015-16	2016-17	2017-18	2018-19
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
1	Gross Normative loan - Opening	30,342.49	30,559.82	30,612.00	30,705.32	31,321.65	31,393.00
2	Cumulative repayment of Normative loan upto previous year	30,342.49	30,559.82	30,612.00	30,705.32	31,321.65	31,393.00
3	**Net Normative loan - Opening**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**
4	Add : Increase due to addition during the year / period	217.33	70.25	130.29	752.21	93.32	54.24
5	Less : Decrease due to de-capitalisation during the year / period		32.22	36.97	135.88	21.97	4.24
6	Less : Decrease due to reversal during the year / period		0	0	0	0	0
7	Add : Increase due to discharges during the year / period		14.14	0	0	0	7.11
	Less : Repayment during the year	217.33	52.18	93.32	616.34	71.35	57.11
8	**Net Normative loan - Closing**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**
9	**Average Normative loan**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**
10	Weighted average rate of interest*	**8.09%**	**8.55%**	**8.69%**	**8.49%**	**8.11%**	**7.77%**
11	**Interest on Loan**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

* The project specific loan has already been fully repaid. Therefore, weighted average rate of interest of the company as a whole has been considered as per Regulation- 26 (5) of CERC (Terms and Conditions of Tariff) Regulation'2014.

For D S P & Associates
Chartered Accountants

DSP & ASSOCIATES * CHARTERED ACCOUNTANTS * FRN:006791N NEW DELHI

For NHPC LTD.

(M G Gokhale)
GM (Comml.)

FORM-13B

Calculation of Interest on Working Capital

Name of the Petitioner : **NHPC Limited**
Name of the Generating Station : **Tanakpur Power Station**

(Amount in Rs. Lakh)

Sl. No.	Particulars	Existing 2013-14	2014-15	2015-16	2016-17	2017-18	2018-19
1	2	3	4	5	6	7	8
1	O & M Expenses	482.13	591.80	631.12	673.05	717.77	765.46
2	Maintenance Spares	867.83	1,065.24	1,136.02	1,211.49	1,291.99	1,377.83
3	Receivables	1,515.24	1,760.75	1,847.21	1,945.01	2,055.43	2,160.17
4	Total Working Capital	2,865.19	3,417.80	3,614.35	3,829.56	4,065.19	4,303.45
5	Rate of Interest	12.25%	13.50%	13.50%	13.50%	13.50%	13.50%
6	**Interest on Working Capital**	**350.99**	**461.40**	**487.94**	**516.99**	**548.80**	**580.97**

For D S P & Associates
Chartered Accountants

DSP & ASSOCIATES * CHARTERED ACCOUNTANTS * FRN:006791N NEW DELHI

For NHPC LTD.

(M G Gokhale)
GM (Comml.)

FORM-13C

Other Income as on actual / anticipated COD

Name of the Petitioner : **NHPC Limited**
Name of the Generating Station : **Tanakpur Power Station**

(Amount in Rs. Lakh)

Sl. No.	Particulars	Existing 2013-14	2014-15	2015-16	2016-17	2017-18	2018-19
1	2	3	4	5	6	7	8
1	Interest on Loans and advance						
2	Interest received on deposits		NOT APPLICABLE				
3	Income from Investment						
4	Income from sale of scrap						
5	Rebate for timely payment						
6	Surcharge on late payment from beneficiaries						
7	Rent from residential building						
8	Misc. receipts (Please Specify details)						
...	...						
...	...						

For D S P & Associates
Chartered Accountants

DSP & ASSOCIATES * CHARTERED ACCOUNTANTS * FRN 006791N NEW DELHI

For NHPC LTD.

(M G Gokhale)
GM (Comml.)

FORM-13D

Incidental Expenditure during Construction

Name of the Petitioner : **NHPC Limited**
Name of the Generating Station : **Tanakpur Power Station**

(Amount in ` Lakh)

Sl. No.	Particulars	Up to Schedule COD	Upto actulal / anticipated COD
1	2	7	8
A	**Expenses:**		
1	Employees' Benefits Expenses		
2	Finance Costs		
3	Water Charges		
4	Communication Expenses	NOT APPLICABLE	
5	Power Charges		
6	Other Office and Administrative Expensces		
7	Others (Please Specify Details)		
8	Other pre-Operating Expences		
	.....		
B	**Total Expenses**		
	Less: Income from sale of tender		
	Less: Income from guest house		
	Less: Income recovered from Contractors		
	Less: Interest on Deposits		
	.....		

For D S P & Associates
Chartered Accountants

DSP & ASSOCIATES * CHARTERED ACCOUNTANTS * FRN: 006791N NEW DELHI

For NHPC LTD.

(M G Gokhale)
GM (Comml.)

FORM-14

Name of the Petitioner : **NHPC Limited**
Name of the Generating Station : **Tanakpur Power Station**

Draw Down Schedule for Calculation of IDC & Financing Charges

Sl. No.	Draw Down Particulars	Quarter 1			Quarter 2			Quarter n (COD)		
		Quantum in Foreign currency	Exchange Rate on draw down date	Amount in Indian Rupee (Rs Lakh)	Quantum in Foreign currency	Exchange Rate on draw down date	Amount in Indian Rupee (Rs Lakh)	Quantum in Foreign currency	Exchange Rate on draw down date	Amount in Indian Rupee (Rs Lakh)
1	**Loans**									
1.1	**Foreign Loan**									
1.1.1	Foreign Loan [1]									
	Draw down Amount									
	IDC									
	Financing charges									
	Foreign Exchange Rate Variation									
	Hedging Cost									
1.1.2	**Foreign Loan [2]**									
	Draw down Amount									
	IDC									
	Financing charges									
	Foreign Exchange Rate Variation									
	Hedging Cost									
1.1.3	**Foreign Loan [3]**									
	Draw down Amount									
	IDC									
	Financing charges									
	Foreign Exchange Rate Variation									
	Hedging Cost									
1.1.4	.....									
	.....									
	.....									
1.1	**Total Foreign Loan**									
	Draw down Amount									
	IDC									
	Financing charges									
	Foreign Exchange Rate Variation									
	Hedging Cost									
1.2	**Indian Loans**									
1.2.1	Indian Loan [1]									
	Draw down Amount									
	IDC									
	Financing charges									
1.2.2	Indian Loan [2]									
	Draw down Amount									
	IDC									
	Financing charges									
1.2.3	Indian Loan [3]									
	Draw down Amount									
	IDC									
	Financing charges									
1.2.4	.....									
	.....									
	.....									
1.2	**Total Indian Loans**									
	Draw down Amount									
	IDC									
	Financing charges									
1	**Total Loans drawn**									
	IDC									
	Financing charges									
	Foreign Exchange Rate Variation									
	Hedging Cost									
2	**Equity**									
2.1	**Foreign equity drawn**									
2.2	**Indian equity drawn**									
	Total equity deployed									

NOT APPLICABLE

Note:
1. Drawal of debt and equity shall be on paripassu basis quarter wise to meet the commissioning schedule. Drawal of higher equity in the beginning is permissible.

2. Applicable interest rates including reset dates used for above computation may be furnished separately.
3. In case of multi unit project details of capitalisation ratio used to be furnished.
4. Detailed calculation of IDC (Actual drawl and repayment dates and amount, rates of interest, etc.) should be furnished.

For D S P & Associates
Chartered Accountants

DSP & ASSOCIATES * CHARTERED ACCOUNTANTS * FRN:00[illegible]1N NEW DELHI

For NHPC LTD.

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(M G Gokhale)
GM (Comml.)

FORM-14A

Actual cash expenditure

Name of the Petitioner : **NHPC Limited**

Name of the Generating Station : **Tanakpur Power Station**

(Amount in Rs Lakh)

	Quarter-I	Quarter-II	Quarter-III	Quarter-n (COD)
Payment to contractors/suppliers	NOT APPLICABLE			
% of fund deployment				

Note: If there is variation between payment and fund deployment justification need to be furnished.

For D S P & Associates
Chartered Accountants

DSP & ASSOCIATES * CHARTERED ACCOUNTANTS * FRN 00[illegible]N NEW DELHI

For NHPC LTD.

(M G Gokhale)
GM (Comml.)

FORM-15A

Design energy and peaking capability (monthwise) - ROR with Pondage / Storage type new stations

Generating Company.....**NHPC LTD**

Name of Hydro-electric Generating Station---**TANAKPUR POWER STATION**

Installed Capacity : No. of units X MW = 3 X 31.4 MW

Month		Design Energy* (MUs)	Designed Peaking Capability (MW)*
April	I		
	II		
	III		
May	I		
	II		
	III	Not applicable	
June	I		
	II		
	III		
July	I		
	II		
	III		
August	I		
	II		
	III		
September	I		
	II		
	III		
October	I		
	II		
	III		
November	I		
	II		
	III		
December	I		
	II		
	III		
January	I		
	II		
	III		
February	I		
	II		
	III		
March	I		
	II		
	III		
Total			

* As per DPR / TEC of CEA dated .....

Note:

Specify the number of peaking hours for which station has been designed.

For D S P & Associates
Chartered Accountants

D S P & ASSOCIATES * CHARTERED ACCOUNTANTS * FRN 006791N NEW DELHI

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For NHPC LTD.

(M G Gokhale)
GM (Comml.)

PART-II
FORM-15B

Design energy and MW Continuous (monthwise) - ROR type stations

Generating Company : **NHPC LTD.**

Name of Hydro-electric Generating Station : **TANAKPUR Power Station**

Installed Capacity : **3 X 31.4 MW = 94.2 MW**

Month		Design Energy* (MUs)	MW continuous*
April	I	6.10	This depends up on the availibility of water and machines.
	II	6.30	
19.71	III	7.31	
May	I	8.10	
	II	9.57	
28.94	III	11.27	
June	I	12.22	
	II	15.00	
42.29	III	15.07	
July	I	21.48	
	II	21.48	
66.59	III	23.63	
August	I	21.48	
	II	21.48	
66.59	III	23.63	
September	I	21.48	
	II	21.48	
64.44	III	21.48	
October	I	21.48	
	II	16.11	
51.92	III	14.33	
November	I	11.15	
	II	10.32	
31.12	III	9.65	
December	I	8.04	
	II	7.97	
24.13	III	8.12	
January	I	7.00	
	II	6.83	
21.25	III	7.42	
February	I	6.15	
	II	6.27	
17.12	III	4.70	
March	I	5.80	
	II	5.74	
18.09	III	6.55	
452.19			
Total		452.19	

* As per DPR / TEC of CEA dated .....

For D S P & Associates
Chartered Accountants

DSP & ASSOCIATES * CHARTERED ACCOUNTANTS * FRN 006791N NEW DELHI

For NHPC LTD.

(M G Gokhale)
GM (Comml.)

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Form-16

Liability Flow Statement

Name of the Petitioner :NHPC Limited

Name of the Generating Station : Tanakpur Power Station

(Amount in Lakh)

S No.	Party	Asset / Work	Year of actual capitalisation	Original Liability	Liability as on 31.03.2014	2014-15			2015-16			2016-17			2017-18			2018-19		
						Discharges (Year wise)	Reversal (Year wise)	Liability as on 31.03.2015	Discharges (Year wise)	Reversal (Year wise)	Liability as on 31.03.2016	Discharges (Year wise)	Reversal (Year wise)	Liability as on 31.03.2017	Discharges (Year wise)	Reversal (Year wise)	Liability as on 31.03.2018	Discharges (Year wise)	Reversal (Year wise)	Liability as on 31.03.2019
1	M/s TIL	411109-Truck mounted 55 MT crane	2013-14	20.20	20.20	20.2	0.00	0.00												
2	Ames Impax Elctricals Private Limited	UNIT AUXILIARY TRANSFORMER ,DRY TYPE, 11/0.415 KV. 3 PHASE, 800 KVA	2017-18	40.66											30.69		9.97	5.90		4.07
3	Ames Impax Elctricals Private Limited	STATION SERVICE TRANSFORMER, 1000 KVA, 11/0.415KV, 50 HZ, DRY TYPE, THREE PHASE TRANSFORMER	2017-18	29.94											22.70		7.25	4.25		2.99
4	M/s BPL Telecom Private Limited	SERVER BASED IP-PBX SYSTEM WITH ALL ACCESSORIES, MAKE-TADIRAN, MODEL - AEONIX	2018-19	28.68											25.81		2.88			28.68
		Total		119.48	20.20	20.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	79.19	0.00	20.09	10.15	0.00	35.74

For D S P & Associates
Chartered Accountants

For NHPC LTD.

(M G Gokhale)
GM (Comml.)

DSP & ASSOCIATES CHARTERED ACCOUNTANTS FRN 006791N NEW DELHI

ANNEX-II

FORM- 1

Summary Sheet

Name of the Petitioner : NHPC LIMITED
Name of the Generating Station : Tanakpur Power Station
Place (Region / District / State) : Northern / Uttarakhand / Champawat

(Rs. Lakh)

Sl. No.	Particulars	Existing 2018-19	2019-20	2020-21	2021-22	2022-23	2023-24
1	2	3	4	5	6	7	8
1.1	Depreciation	1,089.04	706.12	735.81	810.04	826.12	837.78
1.2	Interest on Loan	0.00	0.00	0.00	0.00	0.00	0.00
1.3	Return on Equity[1]	2,105.48	1,990.72	2,014.57	2,040.82	2,047.08	2,053.00
1.4	Interest on Working Capital	580.97	602.07	629.62	659.17	688.85	719.87
1.5	O & M Expenses	9,185.51	11,922.90	12,491.27	13,086.72	13,710.56	14,364.13
	Total	**12,960.99**	**15,221.81**	**15,871.27**	**16,596.74**	**17,272.61**	**17,974.77**

Note
1: Details of calculations, considering equity as per regulation, to be furnished.

2. Tariff petition for the period 2019-24 is based on projected expenditures approved by Board of Directors during 427 th board meeting held on 17.09.2019.

For D S P & Associates
Chartered Accountants
FRN 006791N

DSP & ASSOCIATES * CHARTERED ACCOUNTANTS * FRN:006791N NEW DELHI

Partner

ATUL JAIN
M. No. 091431.

Form statement to be read along with Independent Auditor's Certificate dated 14th Oct, 2019.

For NHPC LTD.

(M G Gokhale)
GM (Comml.)
Commercial Division

Name of the Petitioner : NHPC LIMITED
Name of the Generating Station : Tanakpur Power Station
Place (Region / District / State) : Northern / Uttarakhand / Champawat

FORM-1(I)

Statement showing claimed capital cost-(A+B)

(Rs. Lakh)

Sl. No.	Particulars	2019-20	2020-21	2021-22	2022-23	2023-24
1	2	3	4	5	6	7
1	Opening Capital Cost	**42,036.26**	42,133.04	42,893.25	43,074.23	43,174.23
2	Add : Addition during the year / period	87.43	1,441.00	254.00	100.00	200.00
3	Less : De-capitalisation during the year / period	0.57	680.79	73.02	0.00	40.91
4	Less : Reversal during the year / period	0.00	0.00	0.00	0.00	0.00
5	Add : Discharges during the year / period	9.93	0.00	0.00	0.00	0.00
6	**Closing Capital Cost**	**42,133.04**	**42,893.25**	**43,074.23**	**43,174.23**	**43,333.33**
7	**Average Capital Cost**	**42,084.65**	**42,513.14**	**42,983.74**	**43,124.23**	**43,253.78**

Statement showing claimed capital cost eligible for RoE at normal rate (A)

Sl.	Particulars	2019-20	2020-21	2021-22	2022-23	2023-24
1	2	3	4	5	6	7
1	Opening Capital Cost	42,036.26	42,111.79	42,872.00	43,032.98	43,032.98
2	Add : Addition during the year / period	66.18	1,441.00	234.00	0.00	200.00
3	Less : De-capitalisation during the year / period	0.57	680.79	73.02	0.00	40.91
4	Less : Reversal during the year / period	0.00	0.00	0.00	0.00	0.00
5	Add : Discharges during the year / period	9.93	0.00	0.00	0.00	0.00
6	**Closing Capital Cost**	**42,111.79**	**42,872.00**	**43,032.98**	**43,032.98**	**43,192.08**
7	**Average Capital Cost**	**42,074.02**	**42,491.89**	**42,952.49**	**43,032.98**	**43,112.53**

Statement showing claimed capital cost eligible for RoE at Weighted average rate of interest on actual loan portfolio (B)

Sl. No.	Particulars	2019-20	2020-21	2021-22	2022-23	2023-24
1	2	3	4	5	6	7
1	Opening Capital Cost	0.00	21.25	21.25	41.25	141.25
2	Add : Addition during the year / period	21.25	0.00	20.00	100.00	0.00
3	Less : De-capitalisation during the year / period	0.00	0.00	0.00	0.00	0.00
4	Less : Reversal during the year / period	0.00	0.00	0.00	0.00	0.00
5	Add : Discharges during the year / period	0.00	0.00	0.00	0.00	0.00
6	**Closing Capital Cost**	**21.25**	**21.25**	**41.25**	**141.25**	**141.25**
7	**Average Capital Cost**	**10.63**	**21.25**	**31.25**	**91.25**	**141.25**

For D S P & Associates
Chartered Accountants

D S P & ASSOCIATES * CHARTERED ACCOUNTANTS * FRN 006791N NEW DELHI

For NHPC Limited

(M G Gokhale)
General Manager (Comml.)

FORM-1(II)

Name of the Petitioner : NHPC LIMITED
Name of the Generating Station :Tanakpur Power Station
Place (Region / District / State) : Northern / Uttarakhand / Champawat

Statement showing Return on Equity at Normal Rate

(Rs. in Lakh)

Sl. No.	Particulars	2019-20	2020-21	2021-22	2022-23	2023-24
1	2	3	4	5	6	7
1	Gross Opening Equity (Normal)	**10,586.14**	10,608.80	10,836.87	10,885.16	10,885.16
2	Less:Adjustment in Equity	0.00	0.00	0.00	0.00	0.00
3	Adjustment during the year	0.00	0.00	0.00	0.00	0.00
4	Net Opening Equity (Normal)	10,586.14	10,608.80	10,836.87	10,885.16	10,885.16
5	Add : Increase in equity due to addition during the year/period	19.85	432.30	70.20	0.00	60.00
6	Less : Decrease due to de-capitilization during the year/period	0.17	204.24	21.91	0.00	12.27
7	Less:Decrease due to reversal during the year/period	0.00	0.00	0.00	0.00	0.00
8	Add: Increase due to discharge during the year/period	2.98	0.00	0.00	0.00	0.00
9	Net closing Equity(Normal)	**10,608.80**	**10,836.87**	**10,885.16**	**10,885.16**	**10,932.89**
10	Average Equity (Normal)	**10,597.47**	**10,722.84**	**10,861.01**	**10,885.16**	**10,909.03**
11	Rate of ROE	18.782%	18.782%	18.782%	18.782%	18.782%
12	**Total ROE**	**1990.42**	**2013.96**	**2039.92**	**2044.45**	**2048.93**

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

Sl. 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)]	0.00	6.38	6.38	12.38	42.38
2	Less:Adjustment in Equity	0.00	0.00	0.00	0.00	0.00
3	Adjustment during the year	0.00	0.00	0.00	0.00	0.00
4	Net Opening Equity (Normal)	0.00	6.38	6.38	12.38	42.38
5	Add : Increase in equity due to addition during the year/period	6.38	0.00	6.00	30.00	0.00
6	Less : Decrease due to de-capitilization during the year/period	0.00	0.00	0.00	0.00	0.00
7	Less:Decrease due to reversal during the year/period	0.00	0.00	0.00	0.00	0.00
8	Add: Increase due to discharge during the year/period	0.00	0.00	0.00	0.00	0.00
9	Net closing Equity [pertaining to Proviso to Regulation 30(2)]	**6.38**	**6.38**	**12.38**	**42.38**	**42.38**
10	Average Equity [pertaining to Proviso to Regulation 30(2)]	**3.19**	**6.38**	**9.38**	**27.38**	**42.38**
11	Rate of ROE (weighted average rate of interest on actual loan portfolio)	9.597%	9.597%	9.597%	9.597%	9.597%
12	**Total ROE**	**0.31**	**0.61**	**0.90**	**2.63**	**4.07**

Note: 1. Adjustment of equity as per Proviso to Regulation 18(3) of 2019 Tariff Regulations
Note: 2. With respect to Equity infusion, the Generating Company is required to substantiate with supporting documents such as board resolution, balance sheet/ reconciliation statement with balance sheet.

For D S P & Associates
Chartered Accountants

D S P & ASSOCIATES * CHARTERED ACCOUNTANTS * FRN 006791N NEW DELHI

For NHPC Limited

M G Gokhale)
General Manager (Comml.)

FORM-2

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

Name of the Petitioner : NHPC Limited
Name of the Generating Station : Tanakpur Power Station

	Particulars	Unit	Existing 2018-19	2019-20	2020-21	2021-22	2022-23	2023-24
	1	2	3	4	5	6	7	8
1	Installed Capacity	MW	94.2	94.2				
2	Free power to home state	%	12	12				
3	Free power under Local Area Development Fund (LADAF)	%	NA	NA				
4	Date of commercial operation (actual / anticipated)							
	Unit-1		01.04.1993	01.04.1993				
	Unit-2		-do-	-do-				
	Unit-3		-do-	-do-				
	Unit-4		-do-	-do-				
5	Type of Station							
	a) Surface / underground		Surface	Surface				
	b) Purely ROR / Pondage / Storage		Purely ROR	Purely ROR				
	c) Peaking / non-peaking		Non-Peaking	Non-Peaking				
	d) No. of hours of peaking		-	-				
	e) Overload capacity (MW) & period		NIL	NIL				
6	Type of excitation							
	a) Rotating exciters on generator							
	b) Static excitation		Static	Static				
7	Design Energy (Annual)[1]	GWh	452.19	452.19				
8	Auxiliary Consumption including Transformation losses	%	1	1				
8	Normative Plant Availability Factor (NAPAF)		55	59				
9.1	Maintenance Spares for WC	% of O&M	15	15				
9.2	Receivables for WC	in Months	2	1.5				
9.3	Base Rate of Return on Equity	%	15.50%	15.50%				
9.4	Base Rate of Return on Equity on Add. Capitalization*	%	7.77%	7.92%				
9.5	Tax Rate[2]	%	21.549%	17.472%				
9.6	Effective Tax Rate[4]		22.157%	17.472%				
9.7	Bank Rate (MCLR) + base points as on 01.04.2019 [3]	%	13.50%	12.05%				

1. Month wise 10-day Design energy figures to be given separately with the petition.
2. Tax rate applicable to the company for the year FY 2018-19 should also be furnished.
3. Mention relevant date
4. Effective tax rate is to be computed in accordance with Regulation 31 i.e. actual tax (or advance tax) / gross income, where gross income refers the profit before tax.

* Weighted Average Rate of Interest applicable to NHPC as a whole for the FY 2018-19 is considered for the tariff period 2019-24 for calculating ROE on Add. Capitalization.

Note: Effective tax rate for 2019-20 will be known only after financial year closure. Hence, effective tax rate of FY 2018-19 has been considered forgrossingup of ROE for the period 2019-24.

For D S P & Associates
Chartered Accountants

D S P & ASSOCIATES * CHARTERED ACCOUNTANTS * FRN:006791N NEW DELHI

For NHPC LTD.

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(M G Gokhale)
GM (Comml.)

FORM-3

SALIENT FEATURES OF HYDROELECTRIC PROJECT

Name of the Petitioner : NHPC Limited

Name of the Generating Station : Tanakpur Power Station

1. Location	
State / Distt.	Uttarakhand / Champawat Distt.
River	Sarda
2. Diversion Tunnel	NA
Size, shape	
Length (M)	
3. Dam	
Type	Barrage
Maximum dam height (M)	26.3 from deepest foundation
4. Spillway	
Type	-
Crest level of spillway (M)	Weir El 238.10, Undersluice El 237.50
5. Reservoir	
Full Reservior Level (FRL) (M)	246.7m
Minimum Draw Down Level (MDDL)(M)	Not applicable being ROR
Live storage (MCM)	ROR Scheme
6. Desilting Arrangement	
Type	Hoppers Type
Number and Size	48 Nos. 90mx120m
Particle size to be removed(mm)	0.5 mm and above.
7. Head Race Tunnel	
Size and type	Power Channel, Trapezoidal Type
Length (M)	6387m
Design discharge (Cumecs)	566
8. Surge Shaft	NA
Type	
Diameter (M)	
Height (M)	
9. Penstock/Pressure shafts	
Type	Steel Penstock
Diameter & Length (M)	6.5 m dia, 68 m length
10. Power House	
Installed capacity (No of units x MW)	3 X 31.4 MW
Type of turbine	Vertical Shaft Kaplan
Rated Head (M)	24.25 m Gross Head (meters) =22.0
Rated Discharge (Cumecs)	188.67 cumecs per unit
Head at Full Reservoir Level (M)	23.7
Head at Minimum Draw down Level (M)	---
MW Capability at FRL	94.2
MW Capability at MDDL	---
11. Tail Race Tunnel	
Diameter (M), shape	Open channel concrete lined and boulder pitched
Length (M)	1150 m
Minimum tail water level	222.02 m
12. Switchyard	
Type of Switch gear	Outdoor, Air installed switchgear with SF_6 CB
No. of generator bays	3
No. of Bus coupler bays	1
No. of line bays	3

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

For D S P & Associates
Chartered Accountants

DSP & ASSOCIATES * CHARTERED ACCOUNTANTS * FRN:006791N NEW DELHI

For NHPC LTD.

(M G Gokhale)
GM (Comml.)

FORM- 4

Details of Foreign loans

(Details only in respect of loans applicable to the project under petition)

Name of the Petitioner **NHPC Limited**
Name of the Generating Station **Tanakpur Power Station**
Exchange Rate at COD
Exchange Rate as on 31.3.2019

Sl.	Financial Year (Starting from COD)	Year 1				Year 2				Year 3 and so on			
	1	2	3	4	5	6	7	8	9	10	11	12	13
	Currency1 [1]												
A	1 At the date of Drawl [2]												
	2 Scheduled repayment date of principal												
	3 Scheduled payment date of interest												
	4 At the end of Financial year												
B	In case of Hedging [3]												
	1 At the date of hedging												
	2 Period of hedging												
	3 Cost of hedging												
	Currency2 [1]												
A	1 At the date of Drawl [2]												
	2 Scheduled repayment date of principal												
	3 Scheduled payment date of interest												
	4 At the end of Financial year												
B	In case of Hedging [3]												
	1 At the date of hedging												
	2 Period of hedging												
	3 Cost of hedging												
	Currency3 [1] **& so on**												
A	1 At the date of Drawl [2]												
	2 Scheduled repayment date of principal												
	3 Scheduled payment date of interest												
	4 At the end of Financial year												
B	In case of Hedging [3]												
	1 At the date of hedging												
	2 Period of hedging												
	3 Cost of hedging												

NOT APPLICABLE

1. Name of the currency to be mentioned e.g. US$, DM, etc.
2. In case of more than one drawl during the year, Exchange rate at the date of each drawl to be given
3. Furnish details of hedging, in case of more than one hedging during the year or part hedging, details of each hedging are to be given
4. Tax (such as withholding tax) details as applicable including change in rates, date from which change effective etc. must be clearly indicated.

For D S P & Associates
Chartered Accountants

D S P & ASSOCIATES FRN 006791N NEW DELHI CHARTERED ACCOUNTANTS

For NHPC LTD.

(M G Gokhale)
GM (Comml.)

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FORM- 4A

Details of Foreign Equity

(Details only in respect of Equity infusion if any applicable to the project under petition)

NHPC Limited
Tanakpur Power Station

Financial Year	Year 1				Year 2				Year 3 and so on			
1	2	3	4	5	6	7	8	9	10	11	12	13
	Date	Amount (Foregin Currency)	Exchange Rate	Amount (Rs. Lakh)	Date	Amount (Foregin Currency)	Exchange Rate	Amount (Rs. Lakh)	Date	Amount (Foregin Currency)	Exchange Rate	Amount (Rs. Lakh)
Currency1 [1]												
At the date of infusion [2]												
Currency2 [1]												
At the date of infusion [2]												
Currency3 [1]												
At the date of infusion [2]												
Currency4 [1] & so on												
At the date of infusion [2]												

NOT APPLICABLE

For D S P & Associates
Chartered Accountants

DSP & ASSOCIATES * CHARTERED ACCOUNTANTS * FRN 006791N NEW DELHI

For NHPC LTD.

(M G Gokhale)
GM (Comml.)

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FORM- 5

Abstract of Admitted Capital Cost for the existing Projects

Name of the Petitioner : **NHPC Limited**

Name of the Generating Station : **Tanakpur Power Station**

	Capital Cost as admitted by CERC	
a)	**Capital cost admitted as on 31.03.2014**	Rs.39301.26 Lakh
	(Give reference of the relevant CERC Order with Petition No. & Date)	CERC Tariff Order dtd.19.02.2016 in Petition No.226/GT/2014
b)	Foreign Component, if any (In Million US $ or the relevant Currency)	
c)	Foreign Exchange rate considered for the admitted Capital cost (Rs Lakh)	
d)	Total Foreign Component (Rs. Lakh)	
e)	Domestic Component (Rs. Lakh.)	
f)	Hedging cost, if any, considered for the admitted Capital cost (Rs Lakh)	
	Total Capital cost admitted (Rs. Lakh) (d+e+f)	Rs.39301.26 Lakh

For D S P & Associates
Chartered Accountants

DSP & ASSOCIATES * CHARTERED ACCOUNTANTS * FRN 006791N NEW DELHI

For NHPC LTD.

(M G Gokhale)
GM (Comml.)

FORM- 5A

Abstract of Capital Cost Estimates and Schedule of Commissioning for the New Projects

Name of the Petitioner : **NHPC Limited**
Name of the Generating Station : **Tanakpur Power Station**

New Projects

Capital Cost Estimates

Board of Director/ Agency approving the Capital cost estimates:		
Date of approval of the Capital cost estimates:		
	Present Day Cost	**Completed Cost**
Price level of approved estimates	As on end of _____ qtr. of the year _____	As on scheduled COD of the Station
Foreign Exchange rate considered for the Capital cost estimates cost estimates		
Capital Cost excluding IDC, IEDC & FC		
Foreign Component, if any (In Million US $ or the relevant currency)	NOT APPLICABLE	
Domestic Component (Rs. Lakh)		
Capital cost excluding IDC, IEDC, FC, FERV & Hedging Cost (Rs. Lakh)		
IDC, IEDC, FC, FERV & Hedging Cost		
Foreign Component, if any (In Million US $ or the relevant currency)	NOT APPLICABLE	
Domestic Component (Rs. Lakh)		
Total IDC, IEDC, FC, FERV & Hedging Cost (Rs. Lakh)		
Rate of taxes & duties considered		
Capital cost including IDC, IEDC, FC, FERV & Hedging Cost		
Foreign Component, if any (In Million US $ or the relevant currency)	NOT APPLICABLE	
Domestic Component (Rs. Lakh)		
Capital cost including IDC, IEDC & FC (Rs. Lakh)		
Schedule of Commissioning as per investment approval		
Scheduled COD of Unit-I		
Scheduled COD of Unit-II		
.....		
.....		
Scheduled COD of last Unit/Station		

Note:
1. Copy of approval letter should be enclosed
2. Details of Capital Cost are to be furnished as per FORM-5B or 5C as applicable.
3. Details of IDC & Financing Charges are to be furnished as per FORM-14.

For D S P & Associates
Chartered Accountants

DSP & ASSOCIATES * CHARTERED ACCOUNTANTS * FRN:006791N NEW DELHI

For NHPC LTD.

(M G Gokhale)
GM (Comml.)

FORM- 5B

Break-up of Capital Cost for New Hydro Power Generating Station

Name of the Petitioner : **NHPC Limited**
Name of the Generating Station : **Tanakpur Power Station**

(Amount in Lakh)

Sl. No.	Break Down	Original cost as approved by Authority / Investment Approval	Actual Capital Expenditure as on actual / anticipated COD	Liabilities / Provisions	Variation	Reason for Variation
1	2	3	4	5	6 = 3-4-5	7
1.0	Infrastructure Works					
1.1	Preliminary including Development					
1.2	Land *					
1.3	R&R Expenditure					
1.4	Buildings					
1.5	Township					
1.6	Maintenance					
1.7	Tools & Plants					
1.8	Communication					
1.9	Environment & Ecology					
1.10	Losses on stock					
1.11	Receipt & Recoveries					
1.12	**Total (Infrastructure works)**					
2.0	**Major Civil Works**					
2.1	Dam, Intake & Desilting Chambers					
2.2	HRT, TRT, Surge Shaft & Pressure shafts					
2.3	Power Plant civil works					
2.4	Other civil works (to be specified)					
2.5	**Total (Major Civil Works)**					
3.0	**Hydro Mechanical equipments**					
4.0	**Plant & Equipment**					
4.1	Initial spares of Plant & Equipment					
4.2	**Total (Plant & Equipment)**					
5.0	**Taxes and Duties**					
5.1	Custom Duty					
5.2	Other taxes & Duties					
5.3	**Total Taxes & Duties**					
6.0	**Construction & Pre-commissioning expenses**					
6.1	Erection, testing & commissioning					
6.2	Construction Insurance					
6.3	Site supervision					
6.4	**Total (Const. & Pre-commissioning)**					
7.0	**Overheads**					
7.1	Establishment					
7.2	Design & Engineering					
7.3	Audit & Accounts					
7.4	Contingency					
7.5	Rehabilitation & Resettlement					
7.6	**Total (Overheads)**					
8.0	**Capital Cost without IDC, FC, FERV & Hedging Cost**					
9.0	**IDC, FC, FERV & Hedging Cost**					
9.1	Interest During Construction (IDC)					
9.2	Financing Charges (FC)					
9.3	Foreign Exchange Rate Variation (FERV)					
9.4	Hedging Cost					
9.5	**Total of IDC, FC, FERV & Hedging Cost**					
10.0	**Capital cost including IDC, FC, FERV & Hedging Cost**					

NOT APPLICABLE

* Provide details of Freehold Land, Leasehold Land and Land under reservoir separately

Note:

1. In case of cost variation, a detailed note giving reasons of such variation should be submitted clearly indicating whether such cost over-run was beyond the control of the generating company.
2. In case of both time & cost overrun, a detailed note giving reasons of such time and cost over-run should be submitted clearly bringing out the agency responsible and whether such time and cost overrun was beyond the control of the generating company.
3. The implication on cost due to time over run, if any shall be submitted separately giving details of increase in prices in different packages from scheduled COD to Actual COD / anticipated COD, increase in IEDC from scheduled COD to actual COD / anticipated COD and increase of IDC from scheduled COD to actual anticipated COD.
4. Impact on account of each reason for Time over run on Cost of project should be quantified and substantiated with necessary documents and supporting workings.
5. A list of balance work assets / work wise including initial spare on original scope of works along with estimate shall be furnished positively.

For D S P & Associates
Chartered Accountants

DSP & ASSOCIATES * CHARTERED ACCOUNTANTS * NEW DELHI

For NHPC LTD.

(M G Gokhale)
GM (Comml.)

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FORM- 5C

Break-up of Capital Cost for Plant & Equipment (New Projects)

Name of the Petitioner : **NHPC Limited**
Name of the Generating Station : **Tanakpur Power Station**

(Amount in Lakh)

Sl. No.	Break Down	Original cost as approved by Authority / Investment Approval [1]	Cost on Actual / anticipated COD [1]	Variation	Reason for Variation *
1	2	Total Cost	Total Cost	3	4
1.0	**Generator,turbine & Accessories**				
1.1	Generator package				
1.2	Turbine package				
1.3	Unit control Board				
1.4	C&I package				
1.5	Bus Duct of GT connection				
1.6	**Total (Generator, turbine & Accessories)**				
2.0	**Auxiliary Electrical Equipment**				
2.1	Step up transformer				
2.2	Unit Auxiliary Transformer				
2.3	Local supply transformer				
2.4	Station transformer				
2.5	SCADA				
2.6	Switchgear, Batteries, DC dist. Board				
2.7	Telecommunication equipment				
2.8	Illumination of Dam, PH and Switchyard				
2.9	Cables & cable facilities, grounding				
2.10	Diesel generating sets				
2.11	**Total (Auxiliary Elect. Equipment)**				
3.0	**Auxiliary equipment & services for power station**				
3.1	EOT crane				
3.2	Other cranes				
3.3	Electric lifts & elevators				
3.4	Cooling water system				
3.5	Drainage & dewatering system				
3.6	Fire fighting equipment				
3.7	Air conditioning, ventilation and heating				
3.8	Water supply system				
3.9	Oil handling equipment				
3.10	Workshop machines & equipment				
3.11	**Total (Auxiliary equipt. & services for PS)**				
4.0	**Switchyard package**				
5.0	**Initial spares for all above equipments**				
6.0	**Total Cost (Plant & Equipment) excluding IDC, FC, FERV & Hedging Cost**				
7.0	**IDC, FC, FERV & Hedging Cost**				
7.1	Interest During Construction (IDC)				
7.2	Financing Charges (FC)				
7.3	Foreign Exchange Rate Variation (FERV)				
7.4	Hedging Cost				
7.5	**Total of IDC, FC, FERV & Hedging Cost**				
8.0	**Total Cost (Plant & Equipment) including IDC, FC, FERV & Hedging cost)**				

NOT APPLICABLE

Note:

1. In case of cost variation, a detailed note giving reasons of such variation should be submitted clearly indicating whether such cost overrun was beyond the control of the generating company.

For D S P & Associates
Chartered Accountants

D S P & ASSOCIATES * CHARTERED ACCOUNTANTS * FRN 006791N NEW DELHI

For NHPC LTD.

(M G Gokhale)
GM (Comml.)

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FORM- 5D

Break-up of Construction/Supply/Service packages

Name of the Petitioner : **NHPC Limited**
Name of the Generating Station : **Tanakpur Power Station**

1	Name/No. of Construction / Supply / Service Package	Package A	Package B	Package C	.....	Total Cost of all packages
2	Scope of works[1] (in line with head of cost break-ups as applicable)	NOT APPLICABLE				
3	Whether awarded through ICB / DCB / Departmentally / Deposit Work					
4	No. of bids received					
5	Date of Award					
6	Date of Start of work					
7	Date of Completion of Work / Expected date of completion of work					
8	Value of Award [2] in (Rs. Lakh)					
9	Firm or With Escalation in prices					
10	Actual capital expenditure till the completion or up to COD whichever is earlier (Rs.Lakh)					
11	Taxes & Duties and IEDC (Rs. Lakh)					
12	IDC, FC, FERV & Hedging cost (Rs. Lakh)					
13	Sub-total (10+11+12) (Rs. Lakh)					

Note:
1. If there is any package, which need to be shown in Indian Rupee and foreign currency (ies), the same should be shown separately along with the currency, the exchange rate and the date.

For D S P & Associates
Chartered Accountants

DSP & ASSOCIATES * CHARTERED ACCOUNTANTS * FRN 006791N NEW DELHI

For NHPC LTD.

(M G Gokhale)
GM (Comml.)

FORM- 5E (i)

In case there is cost over run

Name of the Petitioner : **NHPC Limited**
Name of the Generating Station : **Tanakpur Power Station**

Sl. No.	Break Down	Original cost as approved by Board Members (Rs. Lakh)	Actual / Estimated Cost as incurred / to be incurred (Rs. Lakh)	Difference	Reason for Variation (Please submit supporting computations and documents wherever applicable)	Increase in soft cost due to increase in hard cost
		Total Cost	Total Cost	Total Cost		
1.0	Cost of Land & Site Development					
1.1	Land*					
1.2	Rehabilitation & Resettlement (R&R)					
1.3	Preliminary Investigation & Site Development					
2.0	Plant & Equipment					
2.1	Steam Generator Island					
2.2	Turbine Generator Island					
2.3	BOP Mechanical					
2.3.1	Fuel Handling & Storage system					
2.3.2	External water supply system					
2.3.3	DM water Plant		NOT APPICABLE			
2.3.4	Clarification plant					
2.3.5	Chlorination Plant					
2.3.6	Fuel Handling & Storage system					
2.3.7	Ash Handling System					
2.3.8	Coal Handling Plant					
2.3.9	Rolling Stock and Locomotives					
2.3.10	MGR					
2.3.11	Air Compressor System					
2.3.12	Air Condition & Ventilation System					
2.3.13	Fire fighting System					
2.3.14	HP/LP Piping					
	Total BOP Mechanical					
2.4	BOP Electrical					
2.4.1	Switch Yard Package					
2.4.2	Transformers Package					
2.4.3	Switch gear Package					
2.4.4	Cables, Cable facilities & grounding					
2.4.5	Lighting					
2.4.6	Emergency D.G. set					
	Total BOP Electrical					
2.5	**Control & Instrumentation (C & I) Package**					
	Total Plant & Equipment excluding taxes & Duties					
3	**Initial Spares**					
4	**Civil Works**					
4.1	Main plant/Adm. Building					
4.2	CW system					
4.3	Cooling Towers					
4.4	DM water Plant					
4.5	Clarification plant					
4.6	Chlorination plant					
4.7	Fuel handling & Storage system					
4.8	Coal Handling Plant					
4.9	MGR &Marshalling Yard					
4.10	Ash Handling System					
4.11	Ash disposal area development					
4.12	Fire fighting System					
4.13	Township & Colony					
4.14	Temp. construction & enabling works					
4.15	Road & Drainage					
	Total Civil works					
5	Construction & Pre- Commissioning Expenses					
5.1	Erection Testing and commissioning					
5.2	Site supervision					
5.3	Operator's Training					
5.4	Construction Insurance					
5.5	Tools & Plant					
5.6	Start up fuel					
	Total Construction & Pre- Commissioning Expenses					
6.0	**Overheads**					
6.1	Establishment					
6.2	Design & Engineering					
6.3	Audit & Accounts					
6.4	Contingency					
	Total Overheads					
7.0	**Capital cost excluding IDC & FC**					
8.0	**IDC, FC, FERV &Hedging Cost**					
8.1	Interest During Construction (IDC)					
8.2	Financing Charges (FC)					
8.3	Foreign Exchange Rate Variation (FERV)					
8.4	Hedging Cost					
	Total of IDC, FC, FERV & Hedging Cost					
9.0	**Capital cost including IDC, FC, FERV & Hedging Cost**					

*Submit details of Freehold and Lease hold land

Note : Impact on account of each reason for Cost overrun should be quantified and substantiated with necessary documents and supporting workings.

For D S P & Associates
Chartered Accountants

DSP & ASSOCIATES * CHARTERED ACCOUNTANTS * FRN 006791N NEW DELHI

For NHPC LTD.

(M G Gokhale)
GM (Comml.)

FORM- 5E (ii)

In case there is time over run

Name of the Petitioner : **NHPC Limited**
Name of the Generating Station : **Tanakpur Power Station**

S. No.	Description of Activity / Works / Service	Original Schedule (As per Planning)		Actual Schedule (As per Actual)		Time Over-Run	Reasons for delay	Other Activity effected (Mention Sr No of activity affected)
		Start Date	Completion Date	Actual Start Date	Actual Completion Date	Days		
1								
2		NOT APPLICABLE						
3								
4								
5								
6								
7								
8								
9								
10								

1. Delay on account of each reason in case of time overrun should be quantified and substantiated with necessary documents and supporting workings.

2. Indicates the activities on critical path.

For D S P & Associates
Chartered Accountants

DSP & ASSOCIATES * CHARTERED ACCOUNTANTS * FRN 006791N NEW DELHI

For NHPC LTD.

(M G Gokhale)
GM (Comml.)

FORM- 6

Financial Package upto COD

Name of the Company NHPC LTD.
Name of the Power Station TANAKPUR POWER STATION
Project Cost as on COD[1] Rs 35768 * Lacs
Date of Commercial Operation of the Station[2] 01-04-1993

(Amount in lacs)

	Financial Package as Approved		Financial Package as on COD *		As Admitted on COD **	
	Currency and Amount3		Currency and Amount3		Currency and Amount3	
1	2	3	4	5	6	7
TERM LOANS						
GOI LOAN			INR	2683		
UTI LOAN			INR	3347		
BONDS						
A SERIES			INR	3158		
B SERIES			INR	3196		
C SERIES			INR	3483		
D & E SERIES			INR	4027		
F SERIES			INR	5135		
G SERIES			INR	2686		
I SERIES			INR	226		
Total Loans			INR	**27941**	INR	**29535.62**
Equity-						
Foreign						
Domestic			INR	8938	INR	9765.64
Total Equity			INR	**8938**	INR	**9765.64**
Debt : Equity Ratio			3.13 : 1		75.15 : 24.85	

[1] Say US $ 200m + Rs.400 Cr or Rs.1200 Cr including US $200m at an exchange rate of 1US $=Rs.40/-

[2] Date of Commercial Operation means Commercial Operation of the last unit

[3] For example : US $, 200M etc.etc

* Figures are taken for the year 1993-94 as disclosed in last tariff petition No. 30/2005.

** As on 31/03/2009 as approved by CERC in the order dated 23/12/2009 in petition No. 187/2009.The equity and loan figures are normative.

For D S P & Associates
Chartered Accountants

DSP & ASSOCIATES * CHARTERED ACCOUNTANTS * FRN 006791N NEW DELHI

For NHPC LTD.

(M G Gokhale)
GM (Comml.)

FORM-7

Details of Project Specific Loans

Name of the Petitioner — **NHPC Limited**
Name of the Generating Station — **Tanakpur Power Station**

(Amount in lacs)

Particulars	Package1	Package2	Package3	Package4	Package5	Package6
1	2	3	4	5	6	7
Source of Loan[1]						
Currency[2]						
Amount of Loan sanctioned						
Amount of Gross Loan drawn upto 31.03.2019 / COD [3,4,5,13,15]		All actual loans have been repaid.				
Interest Type[6]						
Fixed Interest Rate, if applicable						
Base Rate, if Floating Interest[7]						
Margin, if Floating Interest[8]						
Are there any Caps/Floor[9]	Yes/No					Yes/No
If above is yes,specify caps/floor						
Moratorium Period[10]						
Moratorium effective from						
Repayment Period[11]						
Repayment effective from						
Repayment Frequency[12]						
Repayment Instalment[13,14]						
Base Exchange Rate[16]						
Are Foreign currency hedged?						
If above is yes,specify details[17]						

[1] Source of loan means the agency from whom the loan has been taken such as WB, ADB, WMB, PNB, SBI, ICICI, IFC, PFC etc.

[2] Currency refers to currency of loan such as US$, DM, Yen,Indian Rupee etc.

[3] Details are to be submitted as on 31.03.2019 for existing assets and as on COD for the remaining assets.

[4] Where the loan has been refinanced, details in the Form is to be given for the loan refinaced. However, the details of the original loan is to be given seperately in the same form.

[5] If the Tariff in the petition is claimed seperately for various units, details in the Form is to be given seperately for all the units in the same form.

[6] Interest type means whether the interest is fixed or floating.

[7] Base rate means the base as PLR, LIBOR etc. over which the margin is to be added. Documentary evidence for applicable base rate on different dates from the date of drawl may also be enclosed.

[8] Margin means the points over and above the floating rate.

[9] At times caps/floor are put at which the floating rates are frozen. If such a condition exists, specify the limits.

[10] Moratorium period refers to the period during which loan servicing liability is not required.

[11] Repayment period means the repayment of loan such as 7 years, 10 years, 25 years etc.

[12] Repayment frequency means the interval at which the debt servicing is to be done such as monthly, quarterly, half yearly, annual, etc.

[13] Where there is more than one drawal/repayment for a loan, the date & amount of each drawal/repayement may also be given seperately.

[14] If the repayment instalment amount and repayment date can not be worked out from the data furnished above, the repayment schedule to be furnished seperately.

[15] In case of Foreign loan,date of each drawal & repayment alongwith exchange rate at that date may be given with documentary evidence.

[16] Base exchange rate means the exchange rate prevailing as on 31.03.2019 for existing assets and as on COD for the remaining assets.

[17] In case of hedging specify the details like type of hedging, period of hedging, cost of hedging etc.

[18] In case of foreign loans, provide details of exchange rate considered on date of each repayment of principal and date of interest payment.

[19] At the time of truing up rate of interest with relevant reset date (if any) to be furnished separately

[20] At the time of truing up provide details of refinancing of loans considered earlier. Details such as date on which refinancing done, amount of refinanced loan, terms and conditions of refinanced loan, financing and other charges incurred for refinancing etc.

[21] Call or put option, if any exercised by the generating company for refinancing of loan

[22] Copy of loan agreement

For D S P & Associates
Chartered Accountants

DSP & ASSOCIATES * CHARTERED ACCOUNTANTS * FRN 006791N NEW DELHI

For NHPC LTD.

(M G Gokhale)
GM (Comml.)

FORM-8

Details of allocation of corporate loans to various projects

Name of the Petitioner : **NHPC Limited**
Name of the Generating Station : **Tanakpur Power Station**

(Amount in lacs)

Particulars	Package1	Package2	Package3	Package4	Package5	Remarks
1	2	3	4	5	6	7
Source of Loan[1]						
Currency[2]						
Amount of Loan sanctioned						
Amount of Gross Loan drawn upto 31.03.2019 / COD [3,4,5,13,15]						
Interest Type[6]		All actual loans have been repaid.				
Fixed Interest Rate, if applicable						
Base Rate, if Floating Interest[7]						
Margin, if Floating Interest[8]						
Are there any Caps/Floor[9]	Yes/No					Yes/No
If above is yes,specify caps/floor						
Moratorium Period[10]						
Moratorium effective from						
Repayment Period[11]						
Repayment effective from						
Repayment Frequency[12]						
Repayment Instalment[13,14]						
Base Exchange Rate[16]						
Are Foreign currency hedged?						
If above is yes,specify details[17]						
	Distribution of loan packages to various projects					
Name of the Projects						Total
Project 1						
Project 2						
Project 3 and so on						

[1] Source of loan means the agency from whom the loan has been taken such as WB, ADB, WMB, PNB, SBI, ICICI, IFC, PFC etc.
[2] Currency refers to currency of loan such as US$, DM, Yen,Indian Rupee etc.
[3] Details are to be submitted as on 31.03.2019 for existing assets and as on COD for the remaining assets.
[4] Where the loan has been refinanced, details in the Form is to be given for the loan refinaced. However, the details of the original loan is to be given seperately in the same form.
[5] If the Tariff in the petition is claimed seperately for various units, details in the Form is to be given seperately for all the units in the same form.
[6] Interest type means whether the interest is fixed or floating.
[7] Base rate means the base as PLR, LIBOR etc. over which the margin is to be added. Documentary evidence for applicable base rate on different dates from the date of drawl may also be enclosed.
[8] Margin means the points over and above the floating rate.
[9] At times caps/floor are put at which the floating rates are frozen. If such a condition exists, specify the limits.
[10] Moratorium period refers to the period during which loan servicing liability is not required.
[11] Repayment period means the repayment of loan such as 7 years, 10 years, 25 years etc.
[12] Repayment frequency means the interval at which the debt servicing is to be done such as monthly, quarterly, half yearly, annual, etc.
[13] Where there is more than one drawal/repayment for a loan, the date & amount of each drawal/repayement may also be given seperately.
[14] If the repayment instalment amount and repayment date can not be worked out from the data furnished above, the repayment schedule to be furnished seperately.
[15] In case of Foreign loan,date of each drawal & repayment alongwith exchange rate at that date may be given with documentary evidence.
[16] Base exchange rate means the exchange rate prevailing as on 31.03.2019 for existing assets and as on COD for the remaining assets.
[17] In case of hedging specify the details like type of hedging, period of hedging, cost of hedging etc.
[18] In case of foreign loans, provide details of exchange rate considered on date of each repayment of principal and date of interest payment.
[19] At the time of truing up rate of interest with relevant reset date (if any) to be furnished separately
[20] At the time of truing up provide details of refinancing of loans considered earlier. Details such as date on which refinancing done, amount of refinanced loan, terms and conditions of refinanced loan, financing and other charges incurred for refinancing etc.
[21] Call or put option, if any exercised by the generating company for refinancing of loan
[22] Copy of loan agreement

For D S P & Associates
Chartered Accountants

D S P & ASSOCIATES * CHARTERED ACCOUNTANTS * FRN 006791N NEW DELHI

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For NHPC LTD.

(M G Gokhale)
GM (Comml.)

FORM-9A

Year wise Statement of Additional Capitalisation after COD (FOR THE TARIFF PERIOD 2019-24)

Name of the Petitioner : NHPC Ltd.
Name of the Generating Station : Tanakpur Power Station
COD : 01.04.1993

(AMOUNT IN LAKH)

Financial Year :			**2019-20**						
S. No.	**Head of Work / Equipment**	**Head of Account**	**ACE Claimed (Actual / Projected)**				**Regulation under which claimed**	**Justification**	**Admitted Cost by the Commssion, if any**
			Accural basis	**Un-discharged Liability included in col.3**	**Cash basis**	**IDC included in col.3**			
1	**2**		**3**	**4**	**5=3-4**	**6**	**7**	**8**	**9**
2019-20									
REPLACEMENT OF ASSETS DEPLOYED UNDER THE ORIGINAL SCOPE OF THE EXISTING PROJECT AFTER CUT-OFF DATE (CLAUSE 25 of CERC GUIDELINES 2019-24)									
1	RTU for data Telemetry	41-07-10	14.00		14.00		25(2)(c)	As per MOU between NHPC LTD and PGCIL dated 03 May-2018, the existing RTU900 need to be replaced with new one due to obsolescence and is necessary for fulfilling telemetry requirement to provide Power Station's data to NRLDC.	
2	GPS time synchronizing equipment	41-07-11	4.21		4.21		25(2)(c)	The proposed GPS is for replacement of existing GPS installed in Year-2003-04 and it is faulty. The same is non-repairable and is obsolete. Therfore existing GPS is necessary to be replaced for providing time synchronizing of Numerical protection relays and Event Logger in Power House and enabling correct analysis of faults in generating units. cost = 57,000/- (ASSET id 8115300008)	
	Sub Total		**18.21**		**18.21**				
ASSETS BEYOND THE ORIGINAL SCOPE OF THE EXISTING PROJECT AFTER CUT-OFF DATE (CLAUSE 26 of CERC GUIDELINES 2019-24)									
3	Construction of STP OF CAPACITY 50KLD including installation	41-03-28	47.97		47.97		26(1)(b)	Previously the disposal was done through septic tank. As per instruction of DM Champawat and in compliance to order of pollution control board STP is to be installed at every govt. deptt. Construction of STP of Capacity 50 KLD including installation 26.52 lacs Construction of sewerline for above 21.45 lacs Total 47.97 Lacs	

DSP & ASSOCIATES CHARTERED ACCOUNTANTS FRN 006791N NEW DELHI

Financial Year :			2019-20						
S. No.	Head of Work / Equipment	Head of Account	ACE Claimed (Actual / Projected)				Regulation under which claimed	Justification	Admitted Cost by the Commssion, if any
			Accural basis	Un-discharged Liability included in col.3	Cash basis	IDC included in col.3			
1	2		3	4	5=3-4	6	7	8	9
4	CCTV system	41-25-03	21.25		21.25		26(1)(d)	During the security audit by intelligence Buerau (IB) , the IB recommended for installation of CCTV camera at various sensitive installations like of Power Station. Based upon the advice / recommendation of statutory authority the CCTV system was proposed to be installed for the safety and security of the power station. The order has been placed and is likely to be supplied , installed and commissioned by August 2019.	
		SUB TOTAL	69.22		69.22				
	TOTAL FOR 2019-20		87.43		87.43				
Add Cap Eligible for ROE at Normal Rate			66.18	0.00	66.18				
Add Cap Eligible for ROE at Wgt. Avg. Rate of Interest Rate			21.25	0.00	21.25				

DSP & ASSOCIATES * CHARTERED ACCOUNTANTS * FRN: 091791N NEW DELHI

Financial Year :			2019-20						
S. No.	Head of Work / Equipment	Head of Account	ACE Claimed (Actual / Projected)				Regulation under which claimed	Justification	Admitted Cost by the Commssion, if any
			Accural basis	Un-discharged Liability included in col.3	Cash basis	IDC included in col.3			
1	2		3	4	5=3-4	6	7	8	9
2020-21									
REPLACEMENT OF ASSETS DEPLOYED UNDER THE ORIGINAL SCOPE OF THE EXISTING PROJECT AFTER CUT-OFF DATE (CLAUSE 25 of CERC GUIDELINES 2019-24)									
1	Implementation of SCADA	41-07-11	860.00		860.00		25(2)(c)	Tanakpur Power Station was commissioned in 1993 and the unit control system at TPS, was implemented using hard wired relay logic control for sequential control of the units, for which electro mechanical relays are being used. Presently, SCADA is not installed at the power station. The units / lines are being synchronized manually. Since, the power station was commissioned in 1993, the existing sequential control / synchronizer are based on an old and obsolete technology, for which spares / support are not available. The monitoring of the generating units & auxiliaries and recording of machine parameters are presently being done manually. The technology of existing sequential control / synchronizing system has now become old and obsolete. Spares are not available and frequent failure of components affect generation. Also with the introduction of FRAS and DSM for plant operation, accurate and precise control and monitoring of operation parameters is required. To facilitate the reliable & smoooth operation & monitoring of power house, the existing Control & Monitoring system is necessary to replace with SCADA. INDEXED cost 8,60,00,000*244/1,193 = 1,75,89,270/- dep upto 31/03/2019 = 1,31,81,400/- wdv = 44,07,871/-	
2	Purchase of one set of runner blades	41-07-01	581.00		581.00		25(2)(c)	The proposed set of Runner Blades is against replacement of worn out Runner Blades of Runner taken out from Unit#2 during major capital maintenance in 2017-18 after more than 12 years of operation. The old runner blades are damaged beyond repair due to silt erosion and is not suitable for further use. Asset ID 2101030025-30 cost 5,04,90,000.00 dep till 31/03/2019 80,78,400.00 wdv 4,24,11,600.00	
	Sub Total		**1441.00**		**1441.00**				

DSP & ASSOCIATES * CHARTERED ACCOUNTANTS * FRN 008791N NEW DELHI

Financial Year :			2019-20						
S. No.	Head of Work / Equipment	Head of Account	ACE Claimed (Actual / Projected)				Regulation under which claimed	Justification	Admitted Cost by the Commssion, if any
			Accural basis	Un-discharged Liability included in col.3	Cash basis	IDC included in col.3			
1	2		3	4	5=3-4	6	7	8	9
TOTAL FOR 2020-21			1441.00		1441.00				
Add Cap Eligible for ROE at Normal Rate			1441.00	0.00	1441.00				
Add Cap Eligible for ROE at Wgt. Avg. Rate of Interest Rate			0.00	0.00	0.00				

2021-22

REPLACEMENT OF ASSETS DEPLOYED UNDER THE ORIGINAL SCOPE OF THE EXISTING PROJECT AFTER CUT-OFF DATE (CLAUSE 25 of CERC GUIDELINES 2019-24)

1	Replacement of cooling water pumps (06 nos.)	41-11-12	18.00		18.00		25(2)(a)	Proposed cooling water pumps are against replacement of pumps installed at the time of commissioning of the power station in the year 1992. These pumps since then, are running continuously and have completed their useful life. Now, they have started giving problem and go under break down very frequently. Moreover, the OEM of these pumps has closed down and no support for spares / services is available. Proposed pumps constitute cooling water system of generating units and pump cooling water to various heat exchangers in the units to maintain the temperatures of bearings, generator stators, and transformers. INDEXED cost = 12,73,122/- dep = 5,02,090/-	
2	Purchase of dry type Excitation Transformer	41-08-01	20.00		20.00		25(2)(c)	Presently three numbers Oil filled Excitation Transformer of capacity 875KVA, 11/0.340kV are installed since commissioning in 1992 with each Generator unit. **Necessity of Incurring expenditure:-** Due to ageing effect the insulation of existing Excitation Transformers becomes weak. New transformer will be as standby to meet out any emergency suituation. INDEXED cost = 409053 (2000000*244/1193) dep = 306544 wdv = 102509	

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DSP & ASSOCIATES CHARTERED ACCOUNTANTS FRN 006791N NEW DELHI

Financial Year :			2019-20						
S. No.	Head of Work / Equipment	Head of Account	ACE Claimed (Actual / Projected)				Regulation under which claimed	Justification	Admitted Cost by the Commssion, if any
			Accural basis	Un-discharged Liability included in col.3	Cash basis	IDC included in col.3			
1	2		3	4	5=3-4	6	7	8	9
3	Purchase of High Pressure Reciprocating Electric Air Compressor (approx. 800 cfm & 275 kW, with pressure upto 40 bar) along with separate vertical air receiver Tank.	41-11-15	150.00		150.00		25(2)(c)	The proposed Compressor is against replacement of existing one no diesel compressor of capacity 600 cfm which is more than 10 years old and has completed its useful life. This compressor is meant for maintenance of Silt Excludor System of Power Station which is vital for ensuring smooth operation of generating units particularly during monsoon season. Asset ID 3312800003 cost = 14,19,000.00 dep till 31/03/2019 = 10,24,056.00 wdv = 3,94,944.00 purchased in 2009 model no. DL050204 (ELGI)	
4	Replacement / upgradation of vibration monitoring system	41-07-11	46.00		46.00		25(2)(c)	Vibration monitoring is an important tool for condition monitoring. The existing vibration monitoring system was commissioned in the year 2006. At present, the model has gone obsolete and no spares / service support is available even from the OEM. Hence the existing vibration monitoring system needs to be replaced. Asset ID 810403000 cost 42,00,531.00 dep till 31/03/2019 20,75,757.00 wdv 21,24,774.00	
			234.00		**234.00**				
ASSETS BEYOND THE ORIGINAL SCOPE OF THE EXISTING PROJECT AFTER CUT-OFF DATE (CLAUSE 26 of CERC GUIDELINES 2019-24)									
5	Purchase of CO2_Fire fighting/Flooding system for protection of UATs & SSTs	41-07-12	20.00		20.00		26(1)(d)	In year 2017, 02 nos. SST and 03nos. UATs has been purchased and installed by replacing old one those were working since commissioning of power house. Presently there is no fire fighting system installed for these SSTs and UATs. Hence it is necessary to purchase and commission the fire fighting system. Estimated cost is based on budgetary offer dated 11.05.2019 of M/s Dynapro Fire Protection Systems Pvt Ltd, New Delhi.	
	Sub Total		**20.00**		**20.00**				
	TOTAL FOR 2021-22		**254.00**		**254.00**				

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DSP & ASSOCIATES * CHARTERED ACCOUNTANTS * FRN 006791N NEW DELHI

Financial Year :			2019-20						
S. No.	Head of Work / Equipment	Head of Account	ACE Claimed (Actual / Projected)				Regulation under which claimed	Justification	Admitted Cost by the Commssion, if any
			Accural basis	Un-discharged Liability included in col.3	Cash basis	IDC included in col.3			
1	2		3	4	5=3-4	6	7	8	9
Add Cap Eligible for ROE at Normal Rate			234.00	0.00	234.00				
Add Cap Eligible for ROE at Wgt. Avg. Rate of Interest Rate			20.00	0.00	20.00				
2022-23									
ASSETS BEYOND THE ORIGINAL SCOPE OF THE EXISTING PROJECT AFTER CUT-OFF DATE (CLAUSE 26 of CERC GUIDELINES 2019-24)									
1	Purchase of 02 nos. pumps along with accessories under Disaster management plan	41-11-12	100.00		100.00		26(1)(d)	As per "CEA technical standards for construction of Electrical plants and electric lines regulation 2010 dated 20.08.2010", clause no 39(1) , provision for *"suitable number of submersible pumps with provision for automatic starting by means of level switches shall be provided at MIV floor, in addition to drainage and dewatering pumps as per regulation 36(3)".* To meet any inundation situation in the power house, 02 nos. pumps along with their associated accessories are proposed to be purchased under Disaster Management Plan for the safety of the power house.	
	TOTAL FOR 2022-23		100.00		100.00				
Add Cap Eligible for ROE at Normal Rate			0.00	0.00	0.00				
Add Cap Eligible for ROE at Wgt. Avg. Rate of Interest Rate			100.00	0.00	100.00				
2023-24									

DSP & ASSOCIATES CHARTERED ACCOUNTANTS FRN:006791N NEW DELHI

Financial Year :			2019-20						
S. No.	Head of Work / Equipment	Head of Account	ACE Claimed (Actual / Projected)				Regulation under which claimed	Justification	Admitted Cost by the Commssion, if any
			Accural basis	Un-discharged Liability included in col.3	Cash basis	IDC included in col.3			
1	2		3	4	5=3-4	6	7	8	9
REPLACEMENT OF ASSETS DEPLOYED UNDER THE ORIGINAL SCOPE OF THE EXISTING PROJECT AFTER CUT-OFF DATE (CLAUSE 25 of CERC GUIDELINES 2019-24)									
1	Replacement of control panels for penstock intake gates	41-06-01	200.00		200.00		25(2)(c)	PLC based control panels have been installed at Forebay for Penstock Gate operation of unit-1,2 & 3 since commissioning. Existing Control panels are very old and have out lived their useful life of more than 25 years. The PLC / CPU has also gone obsolete for which the spare / service support is not available. installed at the time of commissioning INDEXED cost 2,00,00,000*244/1193 = 40,90,528/- dep = 30,65,442/- WDV = 10,25,786/-	
		Sub Total	**200.00**		**200.00**				
TOTAL FOR 2023-24			**200.00**		**200.00**				
Add Cap Eligible for ROE at Normal Rate			**200.00**	**0.00**	**200.00**				
Add Cap Eligible for ROE at Wgt. Avg. Rate of Interest Rate			**0.00**	**0.00**	**0.00**				

1. In case the project has been completed and cost has already been admitted under any tariff notification(s) in the past, fill column 10 giving the cost as admitted for the purpose of tariff notification already issued by (Name of the authority) (Enclose copy of the tariff Order).

2. The above information needs to be furnished separately for each year / period of tariff period 2019-24.

3. In case of de-capitalisation of assets separate details to be furnished at column 1, 2, 3 and 4. Further, the original book value and year of capitalisation of such asset to be furnished at column 8. Where de-caps are on estimated basis the same to be shown separately.

4. Where any asset is rendered unserviceable the same shall be treated as de-capitalised during that year and original value of such asset to be shown at col. 3. And impaired value if any, year of its capitalisation to be mentioned at column 8.

5. Justification against each asset of capitalization should be specific to regulations under which claim has been made and the necessity of capitalization of that particular asset.

Note:

1. Fill the form in chronological order year wise along with detailed justification clearly bringing out the necessity and the benefits accruing to the beneficiaries.

2. In case initial spares are purchased along with any equipment, then the cost of such spares should be indicated separately. e.g. Rotor - 50 Crs. Initial spares- 5 Crs.

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Financial Year :			2019-20						
S. No.	Head of Work / Equipment	Head of Account	ACE Claimed (Actual / Projected)				Regulation under which claimed	Justification	Admitted Cost by the Commssion, if any
			Accural basis	Un-discharged Liability included in col.3	Cash basis	IDC included in col.3			
1	2		3	4	5=3-4	6	7	8	9

For D S P & Associates
Chartered Accountants

For NHPC Limited

(M G Gokhale)
General Manager (Comml.)

FORM-9B

Statement of Additional Capitalisation during fag end of the Project

Name of the Petitioner : NHPC LTD.

Name of the Generating Station :Tanakpur Power Station

COD : 01.04.1993

Sl. No.	Head of Work / Equipment	Work/Equipment added during last five years of useful life of each Unit/Station	Amount capitalised /Proposed to be capitalised (Rs Lakh)	Justification for capitalisation proposed	Impact on life extension
1	2	3	4	5	6
1					
2		Not Applicable			
3					
4					

Note:

1. Cost Benefit analysis for capital additions done should be submitted along with petition for approval of such schemes

2. Justification for additional capital expenditure claim for each asset should be relevant to regulation under which claim and the necessity of capitalization of the asset

For D S P & Associates
Chartered Accountants

DSP & ASSOCIATES * CHARTERED ACCOUNTANTS * FRN 006791N NEW DELHI

For NHPC Limited

(M G Gokhale)
General Manager (Comml.)

FORM-9B (i)

Details of Assets De-capitalized during the period

Name of the Petitioner : NHPC Ltd.

Name of the Generating Station Tanakpur Power station

COD 1-Apr-93

(Amount in Rs.)

Sl. No.	Name of the Asset	Head of account	Nature of de-capitlization (whether claimed under exclusion or as additional capital expenditure)	Original Value of the Asset Capitalised	Year Put to use	Depreciation recovered till date of de-capitalization	Year of De-cpitalisation	Remarks
1	2		3	4	5	6		
2019-20								
1	GPS time synchronizing equipment	41-07-11	claim	57000		57000		REPLACEMENT(ASSUMED DELETION)
2	RTU for data Telemetry	41-07-10	claim					
	Total deletion during 2019-20			**57000.00**	**0.00**	**57000.00**		
2020-21								
1	Purchase of one set of runner blades	41-07-01	claim	50490000	2017	8078400		REPLACEMENT(ASSUMED DELETION)
2	Implementation of SCADA	41-07-11	claim	17589270		13181400		REPLACEMENT(ASSUMED DELETION)
	Sub Total			**68079270.00**		**21259800.00**		
2021-22								
1	Replacement of cooling water pumps (06 nos.)	41-11-12	claim	1273122		502090		REPLACEMENT(ASSUMED DELETION)
2	Purchase of oil filled Excitation Transformer	41-08-01	claim	409053		306544		REPLACEMENT(ASSUMED DELETION)
3	Purchase of High Pressure Reciprocating Electric Air Compressor (approx. 800 cfm & 275 kW, with pressure upto 40 bar) along with separate vertical air receiver Tank.	41-11-15	claim	1419000		1024056		REPLACEMENT(ASSUMED DELETION)
4	Replacement / upgradation of vibration monitoring system	41-07-11	claim	4200531	2006	2075757		REPLACEMENT(ASSUMED DELETION)
	Sub Total			**7301706.00**		**3908447.00**		
2022-23								
	NIL							
2023-24								
1	Replacement of control panels for penstock intake gates	41-06-01	claim	4090528		3065442		REPLACEMENT(ASSUMED DELETION)
	Total deletion during 2023-24			**4090528.00**		**3065442.00**		

For D S P & Associates
Chartered Accountants

D S P & ASSOCIATES * CHARTERED ACCOUNTANTS * FRN: 04179N NEW DELHI

For NHPC LTD.

(M G Gokhale)
GM (Comml.)

FORM-9C

Statement showing reconciliation of ACE claimed with the capital additions as per books

Name of the Petitioner : NHPC Limited
Name of the Generating Station : Tanakpur Power Station
COD : 01.04.1993

Sl. No.	Particulars	2019-20	2020-21	2021-22	2022-23	2023-24
1	2	3	4	5	6	7
1	Closing Gross Block as per IND AS	Petition is based on projected additional capital expenditure reconciliation will be submitted at the time of truing up of capital expenditure.				
2	Add/Less:Adjustments					
3	Closing Gross Block as per IGAAP					
4	Opening Gross Block as per IND AS					
5	Add/Less:Adjustments					
6	Opening Gross Block as per IGAAP					
7	**Total Additions as per books (G=3-5)**					
8	Less: Additions pertaining to other Stages (give Stage Wise breakup)					
9	**Net Additions pertaining to instant project/Unit/Stage**					
10	LessExclusions (items not allowable / not claimed)					
11	**Net Additions Capital Expenditure Claimed (on accural basis)**					
12	**Less: Un-discharged Liabilities**					
13	**Add: Discharge of un-discharged liabilities, corresponding to admitted assets/works**					
14	**Net Additional Capital Expenditure Claimed (on cash basis)**					

Note:
Reason for exclusion of any expenditure shall be given in Clear terms.

For D S P & Associates
Chartered Accountants

DSP & ASSOCIATES * CHARTERED ACCOUNTANTS * FRN 006791N NEW DELHI

For NHPC Limited

(M G Gokhale)
GM (Comml.)

FORM-9D

Statement showing items / assets / works claimed under Exclusions

Name of the Petitioner : NHPC Limited
Name of the Generating Station : Tanakpur Power Station

Sl. No.	Head of Work / Equipment	ACE Claimed under Exclusion				Justification
		Accural basis	Un-discharged Liability included in col.3	Cash basis	IDC included in col.3	
1	2	3	4	5=3-4	6	7
	Petition is based on projected additional capital expenditure reconciliation will be submitted at the time of truing up of capital expenditure.					

Note:

1. Exclusions claimed on assets not allowed in Tariff should be supported by the specific reference of Commission Order date, Petition No., amount disallowed, etc..

2. For inter unit transfer, nature of transfer i.e. temporary or permanent should be mentioned. It is to be certified that exclusion sought in receiving station only and not in sending station or in both the station.

For D S P & Associates
Chartered Accountants

DSP & ASSOCIATES * CHARTERED ACCOUNTANTS * FRN-006791N NEW DELHI

For NHPC Limited

(M G Gokhale)
GM(Comml.)

Form-9E

Statement of Capital Cost

(To be given for relevant dates and year wise)

Name of the Petitioner : NHPC Ltd.

Name of the Generating Station : Tanakpur Power Station

(Amount in Lakhs)

Sl. No.		Particulars	As on relevant date [1]
A	a)	Opening Gross Block amount As per books	
	b)	Amount of IDC in A(a) above	
	c)	Amount of FC in A(a) above	
	d)	Amount of FERV in A(a) above	
	e)	Amount of Hedging Cost in A(a) above	
	f)	Amount of IEDC in A(a) above	
B	a)	Addition in Gross Block amount during the period (Direct purchases)	
	b)	Amount of IDC in A(a) above	
	c)	Amount of FC in A(a) above	NOT APPLICABLE
	d)	Amount of FERV in A(a) above	
	e)	Amount of Hedging Cost in A(a) above	
	f)	Amount of IEDC in A(a) above	
C	a)	Addition in Gross Block amount during the period (Transfer from CWIP)	
	b)	Amount of IDC in A(a) above	
	c)	Amount of FC in A(a) above	
	d)	Amount of FERV in A(a) above	
	e)	Amount of Hedging Cost in A(a) above	
	f)	Amount of IEDC in A(a) above	
D	a)	Deletion in Gross Block Amount during the period	
	b)	Amount of IDC in A(a) above	
	c)	Amount of FC in A(a) above	
	d)	Amount of FERV in A(a) above	
	e)	Amount of Hedging Cost in A(a) above	
	f)	Amount of IEDC in A(a) above	
E	a)	Closing Gross Block amount As per books	
	b)	Amount of IDC in A(a) above	
	c)	Amount of FC in A(a) above	
	d)	Amount of FERV in A(a) above	
	e)	Amount of Hedging Cost in A(a) above	
	f)	Amount of IEDC in A(a) above	

Note:

1. Relevant date/s means date of COD of unit/s/station and financial year start date and end date.

For D S P & Associates
Chartered Accountants

DSP & ASSOCIATES ★ CHARTERED ACCOUNTANTS ★ FRN:006791N NEW DELHI

For NHPC Ltd

(M G Gokhale)
GM (Comml.)

Form-9F

Statement of Capital Woks in Progress

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

Name of the Petitioner : NHPC Ltd.

Name of the Generating Station :Tanakpur Power Station

(Amount in Rs. Lakhs)

Sl. No.		Particulars	As on relevant date [1]
A	a)	Opening CWIP As per books	
	b)	Amount of IDC in A(a) above	
	c)	Amount of FC in A(a) above	
	d)	Amount of FERV in A(a) above	
	e)	Amount of Hedging Cost in A(a) above	
	f)	Amount of IEDC in A(a) above	
B	a)	Addition in CWIP during the period	
	b)	Amount of IDC in B(a) above	
	c)	Amount of FC in B(a) above	NOT APPLICABLE
	d)	Amount of FERV in B(a) above	
	e)	Amount of Hedging Cost in B(a) above	
	f)	Amount of IEDC in B(a) above	
C	a)	Transferred to Gross Block Amount during the period	
	b)	Amount of IDC in C(a) above	
	c)	Amount of FC in C(a) above	
	d)	Amount of FERV in C(a) above	
	e)	Amount of Hedging Cost in C(a) above	
	f)	Amount of IEDC in C(a) above	
D	a)	Deletion in CWIP during the period	
	b)	Amount of IDC in D(a) above	
	c)	Amount of FC in D(a) above	
	d)	Amount of FERV in D(a) above	
	e)	Amount of Hedging Cost in D(a) above	
	f)	Amount of IEDC in D(a) above	
E	a)	Closing CWIP as per books	
	b)	Amount of IDC in E(a) above	
	c)	Amount of FC in E(a) above	
	d)	Amount of FERV in E(a) above	
	e)	Amount of Hedging Cost in E(a) above	
	f)	Amount of IEDC in E(a) above	

Note:

1. Relevant date/s means date of COD of unit/s/station and financial year start date and end date.

For D S P & Associates
Chartered Accountants

D S P & ASSOCIATES * CHARTERED ACCOUNTANTS * FRN 005791N NEW DELHI

For NHPC Ltd

(M G Gokhale)
GM (Comml.)

FORM-10

Financing of Additional Capitalisation

Name of the Petitioner : **NHPC Limited**
Name of the Generating Station : **Tanakpur Power Station**
Date of Commercial Operation : 01.04.1993

(Amount in Rs. Lakhs)

Financial Year (Starting from COD) [1]	Actual / projected					Admitted				
	Year 1	Year 2	Year 3	Year 4	Year 5	Year 1	Year 2	Year 3	Year 4	Year 5 & so on
1	2	3	4	5	6	7	8	9	10	11
Amount capitalised in Work / Equipment	96.78	760.21	180.98	100.00	159.09					
Financing Details										
Loan-1										
Loan-2										
Loan-3 and so on										
Total Loan[2]										
Equity										
Internal Resources	96.78	760.21	180.98	100.00	159.09					
Others (Pl. specify)										
Total	96.78	760.21	180.98	100.00	159.09					

Note:

1 Year 1 refers to Financial Year of COD and Year 2, Year 3 etc. are the subsequent financial years respectively.

2 Loan details for meeting the additional capitalisation requirement should be given as per FORM-7 or 8 whichever is relevant.

For D S P & Associates
Chartered Accountants

D S P & ASSOCIATES * CHARTERED ACCOUNTANTS * FRN 006791N NEW DELHI

For NHPC LTD.

(M G Gokhale)
GM (Comml.)

Form-11

Calculation of Depreciation

Name of the Petitioner : **NHPC Limited**
Name of the Generating Station : **Tanakpur Power Station**

(Amount in ` Lakhs)

Sl. No.	Name of the Assets[1]	Gross Block as on 31.03.2019 or as on COD, whichever is later and subsequently for each year thereafter up to 31.03.2024	Depreciation Rates as per CERC's Depreciation Rate Schedule	Depreciation Amount for each year up to 31.03.2024
	1	2	3	4 = Col.2 X Col.3
1	Land*			
5	Buildings			
6	and so on	Power station has completed 12 years of commercial operation in FY 2019-24, therefore, depreciation rate is not applicable.		
7				
8				
9				
10				
11				
12				
13				
14				
15				
	TOTAL			
Weighted Average Depreciation Rate (%) of depreciation				

* Provide details of Freehold Land, Leasehold Land and Land under reservoir separately

Note:
1. Name of the Assets should conform to the description of the assets mentioned in Depreciation Schedule appended to the Notification.

For D S P & Associates
Chartered Accountants

Partner

For NHPC LTD.

(M G Gokhale)
Commercial Divisi

BLANK

NHPC LIMITED
FARIDABAD

FORM-12

Statement of Depreciation

Name of the Petitioner : **NHPC Limited**
Name of the Generating Station : **Tanakpur Power Station**

(Amount in ` Lakh)

Sl. No.	Particulars	2018-19	2019-20	2020-21	2021-22	2022-23	2023-24
1	2		3	4	5	6	7
1	Opening Capital Cost	41,954.67	42,036.26	42,133.04	42,893.25	43,074.23	43,174.23
2	Closing Capital Cost	42,036.26	42,133.04	42,893.25	43,074.23	43,174.23	43,333.33
3	Average Capital Cost	41,995.46	42,084.65	42,513.14	42,983.74	43,124.23	43,253.78
4	Freehold land*						
5	Rate of depreciation						
6	Depreciable value	37,795.92	37,876.18	38,261.83	38,685.36	38,811.81	38,928.40
7	Balance useful life at the beginning of the period	10.00	14.00	13.00	12.00	11.00	10.00
8	Remaining depreciable value	10,890.41	9,885.67	9,565.58	9,720.44	9,087.32	8,377.80
9	**Depreciation (for the period)**	**1,089.04**	**706.12**	**735.81**	**810.04**	**826.12**	**837.78**
10	**Depreciation (annualised)**						
11	Cumulative depreciation at the end of the period	27,994.55	28,696.63	29,432.06	29,774.96	30,550.60	31,388.38
12	Less : Cumulative depreciation adjustment on account of de-capitalisation (Refer Form-9B(i))	4.03	0.39	467.14	50.47	-	29.63
13	Net Cumulative depreciation at the end of the period	27,990.51	28,696.25	28,964.92	29,724.48	30,550.60	31,358.75

Note:
1. In case of details of FERV and AAD, give information for the applicable period.

For D S P & Associates
Chartered Accountants

D S P & ASSOCIATES * CHARTERED ACCOUNTANTS * FRN. 006791N NEW DELHI

For NHPC LTD.

(M G Gokhale)
GM (Comml.)

FORM-13

Calculation of Weighted Average Rate of Interest on Actual Loans[1]

Name of the Petitioner : **NHPC Limited**
Name of the Generating Station : **Tanakpur Power Station**

(Amount in ` Lakh)

Particulars	2018-19	2019-20	2020-21	2021-22	2022-23	2023-24
Loan-1						
Gross loan - Opening						
Cumulative repayments of Loans upto previous year						
Net loan - Opening						
Add: Drawal(s) during the Year						
Less: Repayment (s) of Loans during the year						
Net loan - Closing						
Average Net Loan		Not Applicable				
Rate of Interest on Loan on annual basis						
Interest on loan						
Loan-2						
Gross loan - Opening						
Cumulative repayments of Loans upto previous year						
Net loan - Opening						
Add: Drawal(s) during the Year						
Less: Repayment (s) of Loans during the year						
Net loan - Closing						
Average Net Loan						
Rate of Interest on Loan on annual basis						
Interest on loan						
Loan-3 and so on						
Gross loan - Opening						
Cumulative repayments of Loans upto previous year						
Net loan - Opening						
Add: Drawal(s) during the Year						
Less: Repayment (s) of Loans during the year						
Net loan - Closing						
Average Net Loan						
Rate of Interest on Loan on annual basis						
Interest on loan						
Total Loan						
Gross loan - Opening						
Cumulative repayments of Loans upto previous year						
Net loan - Opening						
Add: Drawal(s) during the Year						
Less: Repayment (s) of Loans during the year						
Net loan - Closing						
Average Net Loan						
Interest on loan						
Weighted average Rate of Interest on Loans						

Note:

1. In case of Foreign Loans, the calculations in Indian Rupees is to be furnished. However, the calculation in Original currency is also to be furnished separately in the same form.

For D S P & Associates
Chartered Accountants

DSP & ASSOCIATES ★ CHARTERED ACCOUNTANTS ★ FRN 006791N NEW DELHI

For NHPC LTD.

(M G Gokhale)
GM (Comml.)

FORM-13A

Calculation of Interest on Normative Loan

Name of the Petitioner : **NHPC Limited**
Name of the Generating Station : **Tanakpur Power Station**

(Amount in ` Lakh)

Sl. No.	Particulars	2018-19	2019-20	2020-21	2021-22	2022-23	2023-24
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
1	Gross Normative loan - Opening	31,393.00	31,450.11	31,517.86	32,050.01	32,176.69	32,246.69
2	Cumulative repayment of Normative loan upto previous year	31,393.00	31,450.11	31,517.86	32,050.01	32,176.69	32,246.69
3	**Net Normative loan - Opening**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**
4	Add : Increase due to addition during the year / period	54.24	61.20	1008.70	177.80	70.00	140.00
5	Less : Decrease due to de-capitalisation during the year / period	4.24	0.40	476.55	51.11	0.00	28.63
6	Less : Decrease due to reversal during the year / period	0.00	0.00	0.00	0.00	0.00	0.00
7	Add : Increase due to discharges during the year / period	7.11	6.95	0.00	0.00	0.00	0.00
	Less : Repayment during the year	57.11	67.75	532.15	126.69	70.00	111.37
8.	**Net Normative loan - Closing**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**
9	**Average Normative loan**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**
10	Weighted average rate of interest*	**7.77%**	**7.92%**	**7.92%**	**7.92%**	**7.92%**	**7.92%**
11	**Interest on Loan**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

* The project specific loan has already been fully repaid. Therefore, weighted average rate of interest of the company as a whole has been considered as per Regulation- 26 (5) of CERC (Terms and Conditions of Tariff) Regulation'2014.

For D S P & Associates
Chartered Accountants

D S P & ASSOCIATES * CHARTERED ACCOUNTANTS * FRN 006791N NEW DELHI

For NHPC LTD.

(M G Gokhale)
GM (Comml.)

FORM-13B

Calculation of Interest on Working Capital

Name of the Petitioner : **NHPC Limited**
Name of the Generating Station : **Tanakpur Power Station**

(Amount in Rs. Lakh)

Sl. No.	Particulars	2018-19	2019-20	2020-21	2021-22	2022-23	2023-24
1	2	3	4	5	6	7	8
1	O & M Expenses *	482.13	1,104.88	1,157.56	1,212.74	1,270.55	1,331.12
2	Maintenance Spares *	867.83	1,988.79	2,083.60	2,182.93	2,287.00	2,396.02
3	Receivables	1,515.24	1,902.73	1,983.91	2,074.59	2,159.08	2,246.85
4	Total Working Capital	2,865.19	4,996.40	5,225.07	5,470.26	5,716.63	5,974.00
5	Rate of Interest	13.50%	12.05%	12.05%	12.05%	12.05%	12.05%
6	**Interest on Working Capital**	**350.99**	**602.07**	**629.62**	**659.17**	**688.85**	**719.87**

*** For the purpuse of calculation of Interest on Working Capital O&M Expences and Security Exepnces are considered for the period 2019-24 as per regulation 34(c) (iii) of CERC Tariff Regulations' 2019**

For D S P & Associates
Chartered Accountants

DSP & ASSOCIATES * CHARTERED ACCOUNTANTS * FRN:006791N NEW DELHI

For NHPC LTD.

(M G Gokhale)
GM (Comml.)

FORM-13C

Other Income as on actual / anticipated COD

Name of the Petitioner : **NHPC Limited**
Name of the Generating Station : **Tanakpur Power Station**

(Amount in Rs. Lakh)

Sl. No.	Particulars	2018-19	2019-20	2020-21	2021-22	2022-23	2023-24
1	2	3	4	5	6	7	8
1	Interest on Loans and advance						
2	Interest received on deposits		NOT APPLICABLE				
3	Income from Investment						
4	Income from sale of scrap						
5	Rebate for timely payment						
6	Surcharge on late payment from beneficiaries						
7	Rent from residential building						
8	Misc. receipts (Please Specify details)						
...	...						
...	...						

For D S P & Associates
Chartered Accountants

D S P & ASSOCIATES * CHARTERED ACCOUNTANTS * FRN:006791N NEW DELHI

For NHPC LTD.

(M G Gokhale)
GM (Comml.)

FORM-13D

Incidental Expenditure during Construction

Name of the Petitioner : **NHPC Limited**
Name of the Generating Station : **Tanakpur Power Station**

(Amount in RS. Lakh)

Sl. No.	Particulars	Up to Schedule COD	Upto actulal / anticipated COD
1	2	7	8
A	**Expenses:**		
1	Employees' Benefits Expenses		
2	Finance Costs		
3	Water Charges		
4	Communication Expenses	NOT APPLICABLE	
5	Power Charges		
6	Other Office and Administrative Expensces		
7	Others (Please Specify Details)		
8	Other pre-Operating Expences		
	.....		
B	**Total Expenses**		
	Less: Income from sale of tender		
	Less: Income from guest house		
	Less: Income recovered from Contractors		
	Less: Interest on Deposits		
	.....		

For D S P & Associates
Chartered Accountants

D S P & ASSOCIATES * CHARTERED ACCOUNTANTS * FRN-006791N NEW DELHI

For NHPC LTD.

(M G Gokhale)
GM (Comml.)

FORM-14

Name of the Petitioner : **NHPC Limited**
Name of the Generating Station : **Tanakpur Power Station**

Draw Down Schedule for Calculation of IDC & Financing Charges

Sl. No.	Draw Down Particulars	Quarter 1			Quarter 2			Quarter n (COD)		
		Quantum in Foreign currency	Exchange Rate on draw down date	Amount in Indian Rupee (Rs Lakh)	Quantum in Foreign currency	Exchange Rate on draw down date	Amount in Indian Rupee (Rs Lakh)	Quantum in Foreign currency	Exchange Rate on draw down date	Amount in Indian Rupee (Rs Lakh)
1	Loans									
1.1	Foreign Loan									
1.1.1	Foreign Loan [1]									
	Draw down Amount									
	IDC									
	Financing charges									
	Foreign Exchange Rate Variation									
	Hedging Cost									
1.1.2	Foreign Loan [2]									
	Draw down Amount									
	IDC									
	Financing charges									
	Foreign Exchange Rate Variation									
	Hedging Cost									
1.1.3	Foreign Loan [3]									
	Draw down Amount									
	IDC									
	Financing charges									
	Foreign Exchange Rate Variation									
	Hedging Cost									
1.1.4	.....									
	.....									
	.....									
1.1	Total Foreign Loan									
	Draw down Amount									
	IDC									
	Financing charges									
	Foreign Exchange Rate Variation									
	Hedging Cost									
1.2	Indian Loans									
1.2.1	Indian Loan [1]									
	Draw down Amount									
	IDC									
	Financing charges									
1.2.2	Indian Loan [2]									
	Draw down Amount									
	IDC									
	Financing charges									
1.2.3	Indian Loan [3]									
	Draw down Amount									
	IDC									
	Financing charges									
1.2.4	.....									
	.....									
	.....									
1.2	Total Indian Loans									
	Draw down Amount									
	IDC									
	Financing charges									
1	Total Loans drawn									
	IDC									
	Financing charges									
	Foreign Exchange Rate Variation									
	Hedging Cost									
2	Equity									
2.1	Foreign equity drawn									
2.2	Indian equity drawn									
	Total equity deployed									

NOT APPLICABLE

Note:

1. Drawal of debt and equity shall be on paripassu basis quarter wise to meet the commissioning schedule. Drawal of higher equity in the beginning is permissible.

2. Applicable interest rates including reset dates used for above computation may be furnished separately.
3. In case of multi unit project details of capitalisation ratio used to be furnished.
4. Detailed calculation of IDC (Actual drawl and repayment dates and amount, rates of interest, etc.) should be furnished.

For D S P & Associates
Chartered Accountants

D S P & ASSOCIATES * CHARTERED ACCOUNTANTS * FRN 006791N NEW DELHI

For NHPC LTD.

(M G Gokhale)
GM (Comml.)

FORM-14A

Actual cash expenditure

Name of the Petitioner : **NHPC Limited**

Name of the Generating Station : **Tanakpur Power Station**

(Amount in Rs Lakh)

	Quarter-I	Quarter-II	Quarter-III	Quarter-n (COD)
Payment to contractors/suppliers	NOT APPLICABLE			
% of fund deployment				

Note: If there is variation between payment and fund deployment justification need to be furnished.

For D S P & Associates
Chartered Accountants

D S P & ASSOCIATES * CHARTERED ACCOUNTANTS * FRN 006791N NEW DELHI

For NHPC LTD.

(M G Gokhale)
GM (Comml.)

FORM-15A

Design energy and peaking capability (monthwise) - ROR with Pondage / Storage type new stations			
Generating Company.....NHPC LTD			
Name of Hydro-electric Generating Station---TANAKPUR POWER STATION			
Installed Capacity : No. of units X MW = 3 X 31.4 MW			
Month		**Design Energy* (MUs)**	**Designed Peaking Capability (MW)***
April	I		
	II		
	III		
May	I		
	II		
	III		
June	I		
	II		
	III		
July	I		
	II		
	III		
August	I		
	II		
	III		
September	I		
	II		
	III		
October	I		
	II		
	III		
November	I		
	II		
	III		
December	I		
	II		
	III		
January	I		
	II		
	III		
February	I		
	II		
	III		
March	I		
	II		
	III		
Total			
* As per DPR / TEC of CEA dated			
Note:			
Specify the number of peaking hours for which station has been designed.			

Not applicable

For D S P & Associates
Chartered Accountants

D S P & ASSOCIATES FRN 006791N NEW DELHI CHARTERED ACCOUNTANTS

For NHPC LTD.

(M G Gokhale)
GM (Comml.)

PART-II
FORM-15B

Design energy and MW Continuous (monthwise) - ROR type stations			
Generating Company : NHPC LTD.			
Name of Hydro-electric Generating Station : TANAKPUR Power Station			
Installed Capacity	:	3 X 31.4 MW =	94.2 MW

Month		Design Energy* (MUs)	MW continuous*
April	I	6.10	This depends up on the availibility of water and machines.
	II	6.30	
19.71	III	7.31	
May	I	8.10	
	II	9.57	
28.94	III	11.27	
June	I	12.22	
	II	15.00	
42.29	III	15.07	
July	I	21.48	
	II	21.48	
66.59	III	23.63	
August	I	21.48	
	II	21.48	
66.59	III	23.63	
September	I	21.48	
	II	21.48	
64.44	III	21.48	
October	I	21.48	
	II	16.11	
51.92	III	14.33	
November	I	11.15	
	II	10.32	
31.12	III	9.65	
December	I	8.04	
	II	7.97	
24.13	III	8.12	
January	I	7.00	
	II	6.83	
21.25	III	7.42	
February	I	6.15	
	II	6.27	
17.12	III	4.70	
March	I	5.80	
	II	5.74	
18.09	III	6.55	
452.19			
Total		452.19	

* As per DPR / TEC of CEA dated .....

For D S P & Associates
Chartered Accountants

DSP & ASSOCIATES * CHARTERED ACCOUNTANTS * FRN 006791N NEW DELHI

For NHPC LTD.

(M G Gokhale)
GM (Comml.)

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Form-16

Liability Flow Statement

Name of the Petitioner :NHPC Limited

Name of the Generating Station : Tanakpur Power Station

(Rs. in lakh)

Party	Asset / Work	Year of actual capitalisation	Original Liability	Liability as on 31.03.2019	2019-20			2020-21			2021-22			2022-23			2023-24		
					Discharges (Year wise)	Reversal (Year wise)	Liability as on 31.03.2020	Discharges (Year wise)	Reversal (Year wise)	Liability as on 31.03.2021	Discharges (Year wise)	Reversal (Year wise)	Liability as on 31.03.2022	Discharges (Year wise)	Reversal (Year wise)	Liability as on 31.03.2023	Discharges (Year wise)	Reversal (Year wise)	Liability as on 31.03.2024
AMEX Impex Electrical	UNIT AUXILIARY TRANSFORMER ,DRY TYPE, 11/0.415 KV, 3 PHASE, 800 KVA	2017-18	9.97	4.07	4.07		0.00												
AMEX Impex Electrical	STATION SERVICE TRANSFORMER, 1000 KVA, 11/0.415KV, 50 HZ, DRY TYPE, THREE PHASE TRANSFORMER	2017-18	7.25	2.99	2.99		0.00												
BPL Telecom Pvt Limited	SERVER BASED IP-PBX SYSTEM WITH ALL ACCESSORIES, MAKE- TADIRAN, MODEL - AEONIX	2018-19	2.87	2.87	2.87		0.00												
	Total		**20.08**	**9.93**	**9.93**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

For D S P & Associates
Chartered Accountants

FRN 006791N NEW DELHI

For NHPC LTD.

(M G Gokhale)
GM (Comml.)

Form-17

Operation and maintenance Expense

Name of the Generating NHPC Limited
Name of the Generating Tanakpur Power Station

In case of hydro generating stations declared under commercial on or after 1.4.2019

Total capital expenditure up to cutoff date(a)	Not Applicable
R& R Expenditure (b)	
IDC & IEDC (c)	
Capital cost considered for O&M expense (d)=(a)-(b)-(c)	
First year annualize O&M expenses @ 3.5% of above (e)=3.50% of (d)	
O&M expense for next year @ 4.77% of above (f)= 4.77% of (e)	
Additional O&M expenses due to 7th Pay Commission wage Revision	
Additional O&M expenses due to Minimum wage Revision	
Additional O&M expenses due to Goods and Service Tax (GST)	

Note: Additional O&M expenses with supporting documents and computations to be provided for respective years of Tariff Period

For D S P & Associates
Chartered Accountants

D S P & ASSOCIATES * CHARTERED ACCOUNTANTS * FRN 006791N NEW DELHI

For NHPC Limited

(M G Gokhale)
General Manager (Comml.)

Annex-I -Form-17

Operation and maintenance Expense for Existing Generating Stations

Name of the Petitioner :NHPC Limited

Name of the Generating Station :Tanakpur Power Station

(Amount in Lakh)

Description/Year	2018-19	2019-20	2020-21	2021-22	2022-23	2023-24
O&M expense allowed as regulation 35(2)(a) of CERC Tariff Regulations'2019		10520.33	11021.79	11547.15	12097.55	12674.18
Additional O&M expenses due to 3rd Pay Revision Commission wage Revision	1247.69	1307.20	1369.55	1434.88	1503.33	1575.03
Additional O&M expenses due to Goods and Service Tax (GST)	54.72	57.33	60.07	62.93	65.93	69.08
Additional O&M Expenses due to pay revision of KV Staff	36.31	38.04	39.85	41.76	43.75	45.83
Total O&M Expences		**11922.90**	**12491.27**	**13086.72**	**13710.56**	**14364.13**
Security Expences (estimated)*	1274.88	1335.69	1399.41	1466.16	1536.09	1609.37

For D S P & Associates
Chartered Accountants

D S P & ASSOCIATES * CHARTERED ACCOUNTANTS * FRN:000731N NEW DELHI

A PUL JAIN
M.NO 091431

For NHPC Limited

(M G Gokhale)
General Manager (Comml.)

Form-18

Details of Statutory Charges (If applicable)

Name of the Generating Station :Tanakpur Power Station
Name of the Generating Stations: Tanakpur Power Station

Particulars	Unit Rate	10520.33	Amount Claimed
1	2	3	4
Electricity Duty	Not Applicable		
Water Cess			

For D S P & Associates
Chartered Accountants



For NHPC Limited

(M G Gokhale)
General Manager (Comml.)

Form-19

	Summary of issue involved in the petition						
1	**Petitioner: NHPC Limited**						
Name of the Generating Station :Tanakpur Power Station							
	Subject: Petition under 79(1) & 86 of the CERC (Conduct of Business), Regulations, 1999, Section 62(1)(a) of the Electricity Act, 2003 and Regulation 9(2), 10(1), 12, 25, 26 & 35 (2) of CERC (Terms and Conditions of Tariff) Regulations, 2019 for determination of tariff for the period 2019-24 in respect of **Tanakpur Power Station**.						
3	**Prayer:** 1. Tariff of Tanakpur Power Station for the period 01.04.2019 to 31.03.2024 may be determined under Section 62(1) (a) of the Electricity Act, 2003 read with regulation-9(2) of the Central Electricity Regulatory Commission (Terms & Conditions of Tariff) Regulations, 2019 issued on 07.03.2019. 2. Allow the net additional capitalization for the period 2019-24 as claimed in para-5 (Part-B). 3. Allow the additional capitalization (spill over of items from 2014-19 period) during 2019-24 tariff period as claimed in para-6 (Part-B). 4. To allow the impact of wage revision and GST as additional O&M expenses as mentioned in para-8 (d) (Part-B). 5. To allow the estimated security expenses separately to be recovered from beneficiaries during 2019-24 as mentioned in para-8(d) (Part-B). 6. The Annual Fixed Charges (AFC) of Tanakpur Power Station for the period 2019-24 has been worked out as ₹15221.81 lakh, ₹15871.27 lakh, ₹16596.74 lakh, ₹17272.61 lakh & ₹ 17974.77 lakh for the FY 2019-20, 2020-21, 2021-22, 2022-23, & 2023-24 respectively, as mentioned in para-9 (Part-B) above. The difference between calculated AFC and that allowed by CERC vide order dated 19.02.2016 (for the period 2018-19) may be allowed to be recovered / refunded from / to the respondents in the manner specified in Regulation 10(7) of CERC (Terms & Conditions of Tariff) Regulations, 2019 and its subsequent amendments. 7. Allow additional capital expenditure on account of acquiring the minor items or the assets including tools and tackles at the time of truing up of tariff as mentioned in para-10 (Part-B). 8. Allow reimbursement of filing fee of this petition as mentioned in para-11 (Part-B). 9. Allow reimbursement of expenses incurred on publication of notices in the application of tariff for the period 2019-24 as mentioned in para-12 (Part-B). 10. NHPC may be allowed to bill the Respondents for levies, taxes, duties, cess, charges, fee etc. if any, as mentioned in para-13 to 15 (Part-B) above. 11. Pass such other and further order / orders as are deemed fit and proper in the facts and circumstances of the case.						
4	**Respondents**						
	Name of Respondents:						
	1	Punjab State Power Corporation Ltd					
	2	Haryana Power Purchase Centre					
	3	BSES Rajdhani Power Ltd.					
	4	BSES Yamuna Power Ltd					
	5	Tata Power Delhi Distibution Ltd.					
	6	Uttar Pradesh Power Corporation Ltd					
	7	Ajmer Vidyut Vitaran Nigam Limited					
	8	Jaipur Vidyut Vitaran Nigam Limited					
	9	Jodhpur Vidyut Vitaran Nigam Limited					
	10	Uttaranchal Power Corporation Ltd					
	11	UT Chandigarh					
	12	Power Development Department- Jammu & Kashmir					
	13	Himachal Pradesh State Electricity Board					
5	**Project Scope**	IC	94.2 MW				
		DE	452.19 MU				
		FEHS	12%				
		AUX	1.20%				
		NAPAF	59%				
	Cost	Sanction Cost					
		Latest RCE					
	Commissioning	Unit/Station COD	01.04.1993				
	Claim						
		2019-20	**2020-21**	**2021-22**	**2022-23**	**2023-24**	
	AFC (Rs in lakh)	15,221.81	15,871.27	16,596.74	17,272.61	17,974.77	
	Capital cost (Rs in lakh)	42,133.04	42,893.25	43,074.23	43,174.23	43,333.33	
	Initial Spare	-	-	-	-	-	
	NAPAF	59%					
	Design Energy	452.19 MU					
	Any Specific						

For NHPC Limited

(M G Gokhale)
General Manager (Comml.)

ANNEX-III

APPENDIX-I to ANNEX-III

STATEMENT OF PAYMENTS RELEASED ON RESTORATION WORK FLOOD JUNE 2013				
Sl. No	**Description of Work**	**Name of the Party**	**SUB CONTRACT NO.**	**Total (Actual Cost) Claimed (Rs.)**
1	Emergent Protection of left afflux bund between D+/-200M to +/- 220M at Tanakpur Barrage	Hillman Enterprises	104/000974	597810
2	Emergent Protection of right afflux bund between D+/-1270M to +/- 1325M at Tanakpur Barrage	R.C.Garkoti	104/001004	613768
3	Emergent Protection of left afflux bund between RD+/-235M to +/- 245M at Tanakpur Barrage	S.C.Thapliyal	104/000975	603439
4	Emergent Protection of left afflux bund between RD+/-245M to +/- 260M at Tanakpur Barrage	Purnagiria Construction Co. Pvt Limited	104/000976	590289
5	Casting of plain cement concrete terapods for emergent protection of left afflux bund at barrage site.	B.S.Patni	104/000979	641081
6	Protection damaged portions of left afflux bund between D+/-210M to +/- 230M at Tanakpur Barrage	Subhash Tapliyal	104/000997	629732
7	Protection damaged portions of left afflux bund between D+/-240M to +/- 270M at Tanakpur Barrage	Purnagiria Construction Co. Pvt Limited	104/000996	656663
8	3rd Phase Protection of damaged portions of along left afflux bund between D+/-200M to +/- 260M at Tanakpur Barrage	Subhash Tapliyal	104/001016	658045
9	Protection of left afflux bund at critical locations by boulders filled fishnet gabions, sand bags/geo bags.	Hillman Enterprises	104/001037	496788
10	Filling of cavity developed near the warped wall along the right guide bund at barrage site.	R.K.Contractor	104/001025	679591
11	Casting of plain cement concrete tretapods for emergent protection of left afflux bund	B.S.Patni	104/001006	661421
12	Emergent protection of left afflux bund ebtween RD+/-220M to +/-235M at Tanakpur Barrage	Ravish Chandra Garkoti	104/000973	613489
13	Protection work of left afflux bund between RD+/-730M to +/-1045M AT Tanakpur Barrage	Devender Singh	104/001023	626580
14	Protection work of left afflux bund between RD+/-1110M to +/-1491M AT Tanakpur Barrage	Purnagiri Construction Co. Pvt. Ltd.	104/001059	610264
15	Emergent protection of right afflux bund ebtween RD+/-620M to +/-700M at Tanakpur Barrage	R C Garkoti	104/001052	672324
16	Casting of plain cement concrete tetrapods for emeergent protection of afflux bunds at barrage site	Hillman Enterprises	104/001055	661259

NHPC LIMITED FARIDABAD

Sl. No	Description of Work	Name of the Party	SUB CONTRACT NO.	Total (Actual Cost) Claimed (Rs.)
17	fabrication of shuttering plates required for casting of tetrapods at barrage site	Feroz khan	104/001041	659698
	B) LEFT AFFLUX BUND			
18	Diversion arrangements and dewatering of the damaged portion of left afflux bund RD +/-150M to +/- 450M	SKP Buildcon Pvt. Ltd.	104/001071	10965276
19	Repairing of damaged concrete cladding and horizontal apron portion of left afflux bund between RD +/-150M to +/-210M	SKP Buildcon Pvt. Ltd.	104/001074	12014751
20	Repairing of damaged concrete cladding and horizontal apron portion of left afflux bund between RD +/-210M to +/-270M	SKP Buildcon Pvt. Ltd.	104/001081	15934778
21	Repairing of damaged concrete cladding and horizontal apron portion of left afflux bund between RD +/-270M to +/-330M	SKP Buildcon Pvt. Ltd.	104/001077	11967422
22	Repairing of damaged concrete cladding and horizontal apron portion of left afflux bund between RD +/-330M to +/-450M	SKP Buildcon Pvt. Ltd.	104/001082	11949857
23	Purchase of illumination items and electrical spares for barrage site	Sangam Appliances, Bareilly		304786
24	Earthing of distribution transformers at barrage site	Feroz khan	104/001213	133626
25	Purchase of 11 KV 35mm2, 3 core, XLPE Cable	Gaurav		626178
26	Restoration of gauge and marking of levels on the repaired/restored part of the afflux bunds	Hillman Enterprises	104/001317	30186
27	Restoration work as RD 620M to RD 700M second phase	S.C. Thapliyal	104/001061	290058
28	Construction of temporary foundation for the electric transformer requied for carrying out the essential repair at barrage	Hillman Enterprises	104/001199	78652
	C.) RIGHT AFFLUX BUND			
29	Construction of diversion bund, ring bund & making dwatering arrangements for repair of damaged right afflux bund between RD (+/-) 435 m to (+/-) 750m	B.S. Patni	104/001123	10338433
30	Restoration of damaged portion alongwith right afflux bund between RD (+/-) 435m to (+/-) 620 m	B.S. Patni	104/001080	17010094

NHPC LIMITED FARIDABAD

Sl. No	Description of Work	Name of the Party	SUB CONTRACT NO.	Total (Actual Cost) Claimed (Rs.)
31	Restoration of damaged portion alongwith right afflux bund between RD (+/-) 620m to (+/-) 700 m	Purnagiri Const. Co.	104/001067	8328242
32	Restoration of damaged portion alongwith right afflux bund between RD (+/-) 700m to (+/-) 750m	Devendra Singh	104/001083	2485818
33	Protectiion work from right afflux bund between RD (+/-) 1345 m to (+/-) 1425 m and restoration of low level spur near Sharda ghat	Hillman Enterprises	104/001172	1396115
34	Filling of cavity developed near the warpped wall alongwith guide bund at tanakpur barrage site	R.C. Garkoti	104/001174	267199
35	Pre casting of plain cement concrete tetrapods near MES area for protection of right bank of river sharda RD 4700 m to RD 4750 m	Kanchan Singh Yadav	104/000978	687839
36	Pre casting of plain cement concrete tetrapods near MES area for protection of right bank of river sharda RD 4650 m to RD 4700 m	Hillman Enterprises	104/001010	687839
37	Pre casting of plain cement concrete tetrapods near MES area for protection of right bank of river sharda RD 4750 m to RD 4800 m	R.S. Basson & Co.	104/001009	687839
38	Emergent toe protection of right bank of river sharda near MES area in between RD 4770m to RD 4820m (along power channel)	Firoz Khan	104/000982	673388
39	Emergent toe protection of right bank of river sharda near MES area in between RD 4670m to RD 4700m (along power channel)	R.C. Garkoti	104/000983	667367
40	TOE Protection of right bank of river sharda near MES area in between RD 4670m to RD 4700m (along power channel)	Ashok Kumar	104/001007	537819
41	PRE CASTING OF PLAIN CEMENT CONCRETE TETRAPODS NEAR mes AREA FOR PROTECTION OF RIGHT BANK OF RIVER SHARDA rd 4670M TO RD 4700M.	Hillman Enterprise	104/000977	687839
42	Repair & restoration of old damaged spurs RD 2150 to 5000M	S.C.Thapliyal	104/001034	8967513
43	Construction of New Spur at RD 4650.0m near MES area in river sharda (right bank) along power channel"pachage A"	S.C.Thapliyal	104/001073	6143018
44	Construction of New Spur at RD 4700.0m near MES area in river sharda (right bank) along power channel "package B"	R.S.Bassan & Co.	104/001075	6796736
45	Construction of New Spur at RD 4750.0m near MES area in river sharda (right bank) along power channel "package C"	R.S.Bassan & Co.	104/001076	7125111

NHPC LIMITED FARIDABAD

Sl. No	Description of Work	Name of the Party	SUB CONTRACT NO.	Total (Actual Cost) Claimed (Rs.)
46	Construction of New Spur at RD4800.0m near MES area in river sharda (right bank) along power channel "package D"	Shaunak Const. Co.	104/001078	6895359
47	Construction of New Spur at RD4870.0m near MES area in river sharda (right bank) along power channel "package E"	Shaunak Const. Co.	104/001079	6621604
48	Protection of R/B river Sharda near MES area above toe protection to HFL in between RD 4670-4850m.	Hillman Enterprise	104/001188	1610765
49	Restoration of spur at RD 4000.0m & dyke at RD 3900.0m MES area.	Purnagiri Const.co.	104/001192	13549634
50	making of temperorary barrier to divert the water inflow in between RD 4650 to 4880.0m right bank of river sharda MES area.	Baba Const. Co.	104/001246	92282
			TOTAL	**177225664**

NHPC LIMITED FARIDABAD

STATEMENT OF RESTORATION WORK ON LOSS DUE TO FLOOD JULY 2014

Sl. No.	Description of work	Mame of Party	Work order No.	Sub Contract	Awarded cost/ RA Bill No.	Total (Actual Cost) Rs.
1	Poly propeiene Ploymer Garbions size 2mx2mx1m	Power Electircal Co.	NH/TPS/PC&Barrage/SO/Camp?haridwar/02 dated 18.06.14	Supply	666699	666699
2	Stone Boulders	Pahalwan Stone Carrier	NH/TPS/PC&Barrage/SO/Camp/Tanakpur/01 dated 06.06.14	Supply	665000	932149
		Pahalwan Stone Carrier	NH/TPS/PC&Barrage/SO/Camp/Tanakpur/01 dated 02.08.14	Supply	1333000	
3	Steel Rope and U-clamps for engaging of tetrapods	Bharat Hardware Store	NH/TP/Barrage(civil)/SO/Tour?Rudrapur dated 28.07.14	Supply	68100	68100
4	Geo Bags Placed in Sours	TECGFAB India Industries Ltd.	NH/TPS/PROC/2011/2053/310 dated 17.05.2011	Supply	970000	120175
5	Emergent Protection of right Afflux Bund RD (+/-)1510m to RD (+/-) 1535m at Tanakpur Barrage Site	Hillman Enterprises	NH/TPS/Barrage/2014/w.o. No. 09/80 dated 13.08.2014	104/001398	508703	508703
6	Emergent Protection of right Afflux Bund RD (+/-)1475m to RD (+/-) 1510m at Tanakpur Barrage Site	Rabish Chandra Garkoti	NH/TPS/Barrage/2014/w.o. No. 07/78 dated 13.08.2014	104/001400	536872	536872
7	Emergent Protection of right Afflux Bund RD (+/-)1535m to RD (+/-) 1600m at Tanakpur Barrage Site	Purnagiri Const. Co.	NH/TPS/Barrage/2014/w.o. No. 08/79 dated 13.08.2014	104/001401	653612	653612
8	Placing Tetrapods (only placing cost) and sand bags in damaged portion at varous locations along.	Rabish Chandra Garkoti	NH/TPS/Barrage/2014/w.o. No. 01/280 dated 10.11.2014	104/001486	257725	257725
9	Nylon Gabbion of size (0.90mx0.90mx0.90m (filed with sand bags (Including departmental placing)	SAI Baba Bardana Co.	NH/TPS/Barrage(Civil) SO/Camp/Pilibhit 01 dated 05.08.2014	Supply	78750	78750
10	Plain Cement Concrete Tetrapods used in this work in scour holes of right Afflux bund between RD(+/-) 1250m to RD(+/-) 1600m (Including departmental placing)	Purnagiri Const. Co.	NH/TPS/P&C/LOA/2014/191/3331 dated 06.02.14	104/001904	3557895	1998591
11	Pre-casting of plaincement concrete foR emergent protection of afflux bund t baarrage site.	SKP Buildcon Pvt. Ltd.	NH/TPS/P&C/LOA/2014/200/11/308 dated 02.05.2014	104/001179	9913994	3862492
12	Restoration of Damaged right Afflux Bund from 1525m to 1640m at TPS Barrage	APS Hydro	NH/TPS/P&C/LOA/2015/33/7/3866 dt. 03.03.15	104/001540	12806745	12576854
13	Repair of Damaged right Afflux bund from RD 1470m to 1525m	Purnagiri Const. Co.	NH/TPS/P&C/LOA/2015/33/6/3867 dt. 03.03.15	104/001539	13104158	13300569
			TOTAL		**45121253**	**35561291**

NHPC LIMITED FARIDABAD

APPENDIX-II to ANNEX-III

एनएचपीसी लिमिटेड
(भारत सरकार का उधम)
NHPC Limited
(Govt. of India Enterprise)
टनकपुर पावर स्टेशन
Tanakpur Power Station

पो0 ओ 0 , एनएचपीसी परिसर , बनबसा
चम्पावत, उतराखण्ड, पिन - 262310
P.O. NHPC Campus, Banbassa,
Champawat, Uttarakhand, Pin: 262310
दूरभाष / Tel : 05943-263044
ई मेल /email: hoptps@nhpc.nic.in

NH/TPS/Fin/2016/2054

Dated: 15.06.2016

M/s B.S. CHAWLA & CO.,
B-60, Shekhar Apartments,
Mayur Vihar, Phase-1,
NEW DELHI-110091.

Subject: Acceptance of claim of Rs 10,63,84,582.45/- except B.I. Loss.
Reference: POLICY NO: 36030011120800000004 - Period: 31.7.12 to 30.7.13.

Sir,

Kindly refer your e-mail dated 13-Jun-2016 on the above subject vide which you have conveyed admission of claim with revised enhanced gross amount after adjustment of Tax as Rs 10,63,84,582.45 subject to policy excess net Rs. 8,63,84,582/- against Flood loss at Tanakpur Power Station, NHPC, as such I hereby give acceptance of above claim amount on behalf of NHPC.

Regarding Insurance claim against BI loss, the case is under examination with our consultant. The final outcome shall be submitted to you shortly.

Thanking You,

Yours faithfully,

15/6

Chief Engineer (HOP)

Copy to:-

1. Sr. Divisional Manager, The New India Assurance Co. Ltd., 29-Atam Park, Dugri Road, Ludhiana-141001: With the request that the payment may please be released on priority.

15/6/16

2. E D (O&M), NHPC Ltd., Faridabad - For kind information please.
3. Chief (Finance) – Insurance Cell, NHPC Ltd., Faridabad.

NHPC LIMITED FARIDABAD

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Annexure "A"

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BC-L/F/160613/DEL WITHOUT PREJUDICE 13.06.16

Sr. Divisional Manager,
The New India Assurance Co. Ltd.
Divisional Office-360300
29, Atam Park, Dugri Road,
Ludhiana-141003, Punjab

RE: Flood Loss at NHPC Ltd., Tanakpur Power Station. (3 x 40 MW = 120 MW)
Banbassa, Distt. Champawat, (UK) on 16/17.06.13 to 18.06.13
Policy No.: 360300111208000000004 (SI – Rs. 868 Cr.)

Dear Sir,

We are in receipt of Insured's mail dated 02.03.16 alongwith their letter no. NH/TPS/Fin/2016/Camp Faridabad dated 29.02.16.

The above claim was discussed at length at Insured's plant on 03.12.15 and accordingly FSR dated 16.12.15 was submitted.

Insured has certain queries and the matter was discussed in joint meeting with Insured's executives at NHPC, Faridabad on nos. of occasions and various mails were exchanged.

Insured has earlier submitted details of payment made for Rs. 17,02,14,273.00 against their claim of Rs. 17,61,69,912.00

Below is the Revised Loss Assessment as discussed with Insured's executives for reconsideration of service tax for which details were not provided earlier.

Insured has now submitted a revised claim bill of Rs. 17,72,25,654.00 against a earlier claim of Rs. 17,61,69,912.00 (Difference in claim amount Rs. 10,55,742.00).

Total revised payment proof submitted is for Rs. 17,54,45,820.00 inclusive of security deposit of Rs. 52,87,352.00 which has been released as per declaration given by the Insured vide their letter no. NH/TPS/FIN/2016/1144 dated 20.05.16 + Rs. 13,35,691.00 towards other recovery of payment withheld with Insured.

Total short payment made Rs. 17,79,834.00 inclusive of penalty of Rs. 9,19,829.00 as per revised documents submitted by the Insured which was finally discussed / conveyed / agreed by Insured's executive on 10.06.16.

The case was discussed in detail on nos. of occasions & below is Revised Loss Assessment :

NHPC LIMITED FARIDABAD

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S.no	Description of works	Name of the party	Total (Actual cost) claimed Rs.	Total payment Made as per Revised payment proof submitted vide Insured's mail dated 01.06.16 (Rs.)	Amount Agreed/Assessed (Rs.)	Adjustment towards estimation error, disallowance etc.	Amount Assessed (Rs.)
A.) EMERGENT PROTECTION WORKS							
1.	Emergent protection of left afflux bund between RD+/-200M to +/-220M at Tanakpur Barrage	Hillman Enterprises	597810	597810	597810	LS 25% has been adjusted towards estimation errors, disallowance, additional jobs etc.	8004173.00
2.	Emergent protection of right afflux bund between RD+/-1270M to +/-1325M at Tanakpur Barrage	R.C.Garkoti	613768	613768	613768		
3.	Emergent protection of left afflux bund between RD+/-235M to +/-245M at Tanakpur Barrage	S.C.Thapliyal	603439	603439	603439		
4.	Emergent protection of left afflux bund between	Purnagiri Construction Co. Pvt. Ltd.	590289	590289	590289		

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	RD+/-245M to +/-260M at Tanakpur Barrage						
5.	Casting of plain cement concrete tetrapods for emergent protection of left afflux bund at barrage site	B.S.Patni	641081	641081	641081		
6.	Protection of damaged portions left afflux bund between RD+/-210M to +/-230M at Tanakpur Barrage	Subhash Thapliyal	629732	629732	629732		
7.	Protection of damaged portions left afflux bund between RD+/-240M to +/-270M at Tanakpur Barrage	Purnagiri Construction Co. Pvt. Ltd.	656663	656663	656663		
8.	3rd Phase protection of damaged portions along left afflux bund between RD+/-200M to +/-260M at Tanakpur Barrage	Subhash Thapliyal	658045	658045	658045		
9.	Protection of left afflux bund at critical locations by boulders filled fishnet gabions, sand bags/geo bags	Hillman Enterprises	496788	496788	496788		
10.	Filling of cavity developed near the warped wall along the right guide bund at barrage site	R.K. Contractor	679581	679581	679581		
11.	Casting of plain cement	B.S. Patni	661421	661421	661421		

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	concrete tetrapods for emergent protection of left afflux bund						
12.	Emergent protection of left afflux bund between RD+/-220M to +/-235M at Tanakpur Barrage	Ravish Chandra Garkoti	613489	613489	613489		
13.	Protection work of left afflux bund between RD+/-730M to +/-1045M at Tanakpur Barrage	Devender Singh	626580	626580	626580		
14.	Protection work of left afflux bund between RD+/-1110M to +/-1491M at Tanakpur Barrage	Purnagiri Construction Co. Pvt. Ltd.	610264	610264	610264		
15.	Emergent protection of right afflux bund between RD+/-620M to +/-700M at Tanakpur Barrage	R.C.Garkoti	672324	672324	672324		
16.	Casting of plain cement concrete tetrapods for emergent protection of afflux bunds at barrage site	Hillman Enterprises	661259	661259	661259		
17.	Fabrication of shuttering plates required for casting of tetrapods at barrage site.	Firoz Khan	659698	659698	659698		
		TOTAL (A)	**10672231**	**10672231**	**10672231**		**8004173.00**

NHPC LIMITED FARIDABAD

B.) LEFT AFFLUX BUND							
18.	Diversion arrangements and dewatering of the damaged portion of left afflux bund between RD (+/-) 150 m to (+/-) 450 m	SKP Buildcon Pvt. Ltd.	10965276	10845565	10845565	LS 20% has been adjusted towards estimation errors/disallowance / additional work etc.	50377463.00
19.	Repairing of damaged concrete cladding and horizontal apron portion of left afflux bund between RD (+/-) 150 m to (+/-) 210 m	SKP Buildcon Pvt. Ltd.	12014751	11923102	11923102		
20.	Repairing of damaged concrete cladding and horizontal apron portion of left afflux bund between RD (+/-) 210 m to (+/-) 270 m	SKP Buildcon Pvt. Ltd.	15934778	14927729	14927729		
21.	Repairing of damaged concrete cladding and horizontal apron portion of left afflux bund between RD (+/-) 270 m to (+/-) 330 m	SKP Buildcon Pvt. Ltd.	11967422	11862090	11862090		
22.	Repairing of damaged concrete cladding and horizontal apron portion	SKP Buildcon Pvt. Ltd.	11949857	11949857	11949857		

NHPC LIMITED FARIDABAD

	of left afflux bund between RD (+/-) 330 m to (+/-) 450 m						
23.	Purchase of illumination items and electrical spares for barrage site	Sangam Appliances, Bareilly	304786	304786	304786		
24.	Earthing of distribution transformers at barrage site	Firoz Khan					
		1st R.A.	133626	133626	133626		
25.	Purchase of 11 KV, 35mm2, 3-core, XLPE cable	Gaurav	626178	626178	626178		
26.	Restoration of guage and marking of levels on the repaired/restored part of the afflux bunds	Hillman Enterprises	30186	30186	30186		
27.	Restoration work as RD 620 M to RD 700 mtr second phase	S.C.Thapliyal	290058	290058	290058		
28.	Construction of temporary foundation for the electric transformer required for carrying out the essential repair at barrage	Hillman Enterprises	78652	78652	78652		
		TOTAL (B)	64295570	62971829	62971829		50377463.00

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C.) RIGHT AFFLUX BUND							
29.	Construction of diversion bund, ring bund & making dewatering arrangements for repair of damaged right afflux bund between RD (+/-) 435 m to (+/-) 750 m	B.S.Patni	10338433	10338433	10338433	Improvement factor as per documents submitted by the Insured is around Rs. 1,51,90,489.00 which has been adjusted and LS 40% towards aggravation of loss except on item no. 29	18868757.00 (Rs.39746129-Rs. 15190489 -Rs.10338433) x 0.60 + 10338433
30.	Restoration of damaged portion alongwith right afflux bund between RD (+/-) 435 m to (+/-) 620 m	B.S.Patni	17010094	16938679	16938679		
31.	Restoration of damaged portion alongwith right afflux bund between RD (+/-) 620 m to (+/-) 700 m	Purnagiri Const. Co.	8328242	8328242	8328242		

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32.	Restoration of damaged portion alongwith right afflux bund between RD (+/-) 700 m to (+/-) 750 m	Devendra Singh	2485818	2485818	2485818		
33.	Protection work from right afflux bund between RD (+/-) 1345 m to (+/-) 1425 m and restoration of low level spur near Sharda ghat	Hillman Enterprises	1396115	1387758	1387758		
34.	Filling of cavity developed near the wrapped wall alongwith guide bund at tanakpur barrage site	R.C. Garkoti	267199	267199	267199		
		TOTAL (C)	**39825901**	**39746129**	**39746129**		**18868757.00**

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D.) POWER CHANNEL							
35.	Pre casting of plain cement concrete tetrapods near MES area for protection of right bank of river sharda RD 4700 m to RD 4750 m	Kanchan Singh Yadav	687839	687839	687839	LS 40% has been disallowed towards estimation errors/disallowance / additional work etc.	37233378.00
36.	Pre-casting of plain cement concrete tetrapods near MES area for protection of right bank of river sharda RD 4650 m to RD 4700 m	Hillman Enterprises	687839	687839	687839		
37.	Pre-casting of plain cement concrete tetrapods near MES area for protection of right bank of river sharda RD 4750 m to RD 4800 m	R.S. Bassan & Co.	687839	687839	687839		
38.	Emergent toe protection of right bank of river sharda near MES area in between RD 4770m to RD 4820m (along power channel)	Firoz Khan	673388	673388	673388		
39.	Emergent toe protection of right bank of river sharda near MES area in between RD 4670m to RD 4700m (along power channel)	R.C. Garkoti	667367	667367	667367		

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40.	Toe protection of right bank of river sharda near MES area in between RD 4670m to RD 4700m (along power channel)	Ashok Kumar	537819	537819	537819		
41.	Pre casting of plain cement concrete tetrapods near MES area for protection of right bank of river sharda RD 4670 m to RD 4700 m	Hillman Enterprises	687839	687839	687839		
42.	Repair & restoration of old damaged spurs RD 2150 to 5000 M	S.C.Thapliyal	8967513	8967511	8967511		
43.	Construction of New Spur at RD 4650.0m near MES area in river sharda (right bank) along power channel "Package A"	S.C.Thapliyal	6143018	6078200	6078200		
44.	Construction of New Spur at RD 4700.0m near MES area in river sharda (right bank) along power channel "Package B"	R.S.Bassan & Co.	6796736	6743134	6743134		
45.	Construction of New Spur at RD 4750.0m near MES area in river sharda (right bank) along power channel "Package C"	R.S.Bassan & Co.	7125111	7069463	7069463		

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46.	Construction of New Spur at RD 4800.0m near MES area in river sharda (right bank) along power channel "Package D"	Shaunak Const. Co.	6895359	6841294	6841294		
47.	Construction of New Spur at RD 4870.0m near MES area in river sharda (right bank) along power channel "Package E"	Shaunak Const. Co.	6621604	6473418	6473418		
48.	Protection of R/B river Sharda near MES area above toe protection to HFL in between RD 4670-4850m	Hillman Enterprises	1610765	1610765	1610765		
49.	Restoration of spur at RD 4000.0m & dyke at RD 3900.0m MES area	Purnagiri Const. co.	13549634	13549634	13549634		
50.	Making of temporary barrier to divert the water inflow in between RD 4650 to 4880.0m right bank of river sharda MES area	Baba Const. Co.	92282	92282	92282		
		TOTAL (D)	62431952	62055631	62055631		37233378.00
		TOTAL (A + B + C +D)	177225654	175445820	175445820		114483771.00

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LOSS SUMMARY :

S.no.	Description of works	Total (Actual cost) claimed Rs.	Amount Assessed adjusting estimation errors, disallowance etc. (Rs.)
1.	EMERGENT PROTECTION WORKS	1,06,72,231.00	80,04,173.00
2.	LEFT AFFLUX BUND	6,42,95,570.00	5,03,77,463.00
3.	RIGHT AFFLUX BUND	3,98,25,901.00	1,88,68,757.00
4.	POWER CHANNEL	6,24,31,952.00	3,72,33,378.00
	TOTAL	17,72,25,654.00	11,44,83,771.00
	Less : Salvage LS		25,00,000.00
			11,19,83,771.00
Less : LS 5% towards routine maintenance as discussed.			55,99,188.55
			10,63,84,582.45
	Less : Excess as per policy		2,00,00,000.00
			8,63,84,582.45
		SAY	863.84/- lac

(Rs. Eight Crore Sixty Three Lac Eighty Four Thousand Only)

SALVAGE : ADJUSTED

Note : On a/c payment made Rs. 150 Lac to insured may be adjusted

THIS REPORT IS ISSUED WITHOUT PREJUDICE ON THE BASIS OF PHYSICAL INSPECTION & INVESTIGATION AND LOSS ASSESSED IS SUBJECT TO TERMS & CONDITIONS OF THE POLICY & APPROVAL OF THE CO.

[B.S.CHAWLA]

Encl:
1. Revised Assessment in duplicate.
2. Revised claim bill with supporting documents.(soft copy in CD also)
3. Letter / emails exchanged

NHPC LIMITED FARIDABAD

Annexure 'A'

STATEMENT OF PAYMENTS RELEASED ON RESTORATION WORK FLOOD JUNE 2013				
Sl. No	Description of Work	Name of the Party	SUB CONTRACT NO.	Total (Actual Cost) Claimed (Rs.)
1	Emergent Protection of left afflux bund between D+/-200M to +/- 220M at Tanakpur Barrage	Hillman Enterprises	104/000974	597810
2	Emergent Protection of right afflux bund between D+/-1270M to +/- 1325M at Tanakpur Barrage	R.C.Garkoti	104/001004	613768
3	Emergent Protection of left afflux bund between RD+/-235M to +/- 245M at Tanakpur Barrage	S.C.Thapliyal	104/000975	603439
4	Emergent Protection of left afflux bund between RD+/-245M to +/- 260M at Tanakpur Barrage	Purnagiria Construction Co. Pvt Limited	104/000976	590289
5	Casting of plain cement concrete terapods for emergent protection of left afflux bund at barrage site.	B.S.Patni	104/000979	641081
6	Protection damaged portions of left afflux bund between D+/-210M to +/- 230M at Tanakpur Barrage	Subhash Tapliyal	104/000997	629732
7	Protection damaged portions of left afflux bund between D+/-240M to +/- 270M at Tanakpur Barrage	Purnagiria Construction Co. Pvt Limited	104/000996	656663
8	3rd Phase Protection of damaged portions of along left afflux bund between D+/-200M to +/- 260M at Tanakpur Barrage	Subhash Tapliyal	104/001016	658045
9	Protection of left afflux bund at critical locations by boulders filled fishnet gabions, sand bags/geo bags.	Hillman Enterprises	104/001037	496788
10	Filling of cavity developed near the warped wall along the right guide bund at barrage site.	R.K.Contractor	104/001025	679591
11	Casting of plain cement concrete tretapods for emergent protection of left afflux bund	B.S.Patni	104/001006	661421
12	Emergent protection of left afflux bund ebtween RD+/-220M to +/-235M at Tanakpur Barrage	Ravish Chandra Garkoti	104/000973	613489
13	Protection work of left afflux bund between RD+/-730M to +/-1045M AT Tanakpur Barrage	Devender Singh	104/001023	626580
14	Protection work of left afflux bund between RD+/-1110M to +/-1491M AT Tanakpur Barrage	Purnagiri Construction Co. Pvt. Ltd.	104/001059	610264
15	Emergent protection of right afflux bund ebtween RD+/-620M to +/- 700M at Tanakpur Barrage	R C Garkoti	104/001052	672324
16	Casting of plain cement concrete tetrapods for emeergent protection of afflux bunds at barrage site	Hillman Enterprises	104/001055	661259
17	fabrication of shuttering plates required for casting of tetrapods at barrage site	Feroz khan	104/001041	659698

NHPC LIMITED FARIDABAD

	B) LEFT AFFLUX BUND			
18	Diversion arrangements and dewatering of the damaged portion of left afflux bund RD +/-150M to +/- 450M	SKP Buildcon Pvt. Ltd.	104/001071	10965276
19	Repairing of damaged concrete cladding and horizontal apron portion of left afflux bund between RD +/-150M to +/-210M	SKP Buildcon Pvt. Ltd.	104/001074	12014751
20	Repairing of damaged concrete cladding and horizontal apron portion of left afflux bund between RD +/-210M to +/-270M	SKP Buildcon Pvt. Ltd.	104/001081	15934778
21	Repairing of damaged concrete cladding and horizontal apron portion of left afflux bund between RD +/-270M to +/-330M	SKP Buildcon Pvt. Ltd.	104/001077	11967422
22	Repairing of damaged concrete cladding and horizontal apron portion of left afflux bund between RD +/-330M to +/-450M	SKP Buildcon Pvt. Ltd.	104/001082	11949857
23	Purchase of illumination items and electrical spares for barrage site	Sangam Appliances, Bareilly		304786
24	Earthing of distribution transformers at barrage site	Feroz khan	104/001213	133626
25	Purchase of 11 KV 35mm2, 3 core, XLPE Cable	Gaurav		626178
26	Restoration of gauge and marking of levels on the repaired/restored part of the afflux bunds	Hillman Enterprises	104/001317	30186
27	Restoration work as RD 620M to RD 700M second phase	S.C. Thapliyal	104/001061	290058
28	Construction of temporary foundation for the electric transformer requied for carrying out the essential repair at barrage	Hillman Enterprises	104/001199	78652
C.) RIGHT AFFLUX BUND				
29	Construction of diversion bund, ring bund & making dwatering arrangements for repair of damaged right afflux bund between RD (+/-) 435 m to (+/-) 750m	B.S. Patni	104/001123	10338433
30	Restoration of damaged portion alongwith right afflux bund between RD (+/-) 435m to (+/-) 620 m	B.S. Patni	104/001080	17010094
31	Restoration of damaged portion alongwith right afflux bund between RD (+/-) 620m to (+/-) 700 m	Purnagiri Const. Co.	104/001067	8328242
32	Restoration of damaged portion alongwith right afflux bund between RD (+/-) 700m to (+/-) 750m	Devendra Singh	104/001083	2485818

33	Protectiion work from right afflux bund between RD (+/-) 1345 m to (+/-) 1425 m and restoration of low level spur near Sharda ghat	Hillman Enterprises	104/001172	1396115
34	Filling of cavity developed near the warpped wall alongwith guide bund at tanakpur barrage site	R.C. Garkoti	104/001174	267199
35	Pre casting of plain cement concrete tetrapods near MES area for protection of right bank of river sharda RD 4700 m to RD 4750 m	Kanchan Singh Yadav	104/000978	687839
36	Pre casting of plain cement concrete tetrapods near MES area for protection of right bank of river sharda RD 4650 m to RD 4700 m	Hillman Enterprises	104/001010	687839
37	Pre casting of plain cement concrete tetrapods near MES area for protection of right bank of river sharda RD 4750 m to RD 4800 m	R.S. Basson & Co.	104/001009	687839
38	Emergent toe protection of right bank of river sharda near MES area in between RD 4770m to RD 4820m (along power channel)	Firoz Khan	104/000982	673388
39	Emergent toe protection of right bank of river sharda near MES area in between RD 4670m to RD 4700m (along power channel)	R.C. Garkoti	104/000983	667367
40	TOE Protection of right bank of river sharda near MES area in between RD 4670m to RD 4700m (along power channel)	Ashok Kumar	104/001007	537819
41	PRE CASTING OF PLAIN CEMENT CONCRETE TETRAPODS NEAR mes AREA FOR PROTECTION OF RIGHT BANK OF RIVER SHARDA rd 4670M TO RD 4700M.	Hillman Enterprise	104/000977	687839
42	Repair & restoration of old damaged spurs RD 2150 to 5000M	S.C.Thapliyal	104/001034	8967513
43	Construction of New Spur at RD 4650.0m near MES area in river sharda (right bank) along power channel"pachage A"	S.C.Thapliyal	104/001073	6143018
44	Construction of New Spur at RD 4700.0m near MES area in river sharda (right bank) along power channel "package B"	R.S.Bassan & Co.	104/001075	6796736
45	Construction of New Spur at RD 4750.0m near MES area in river sharda (right bank) along power channel "package C"	R.S.Bassan & Co.	104/001076	7125111
46	Construction of New Spur at RD4800.0m near MES area in river sharda (right bank) along power channel "package D"	Shaunak Const. Co.	104/001078	6895359
47	Construction of New Spur at RD4870.0m near MES area in river sharda (right bank) along power channel "package E"	Shaunak Const. Co.	104/001079	6621604
48	Protection of R/B river Sharda near MES area above toe protection to HFL in between RD 4670-4850m.	Hillman Enterprise	104/001188	1610765

NHPC LIMITED FARIDABAD

49	Restoration of spur at RD 4000.0m & dyke at RD 3900.0m MES area.	Purnagiri Const.co.	104/001192	13549634
50	making of temperorary barrier to divert the water inflow in between RD 4650 to 4880.0m right bank of river sharda MES area.	Baba Const. Co.	104/001246	92282
			TOTAL	177225664

NHPC LIMITED
FARIDABAD

Annexure 'B'

STATEMENT OF RESTORATION WORK ON LOSS DUE TO FLOOD JULY 2014				
Sl. No.	Description of work	Name of Party	Work order No.	Total (Actual Cost) Rs.
1	Poly propeiene Ploymer Garbions size 2mx2mx1m	Power Electircal Co.	NH/TPS/PC&Barrage/SO/Camp?harid war/02 dated 18.06.14	666699
2	Stone Boulders	Pahalwan Stone Carrier	NH/TPS/PC&Barrage/SO/Camp/Tana kpur/01 dated 06.06.14	932149
		Pahalwan Stone Carrier	NH/TPS/PC&Barrage/SO/Camp/Tana kpur/01 dated 02.08.14	
3	Steel Rope and U-clamps for engaging of tetrapods	Bharat Hardware Store	NH/TP/Barrage(civil)/SO/Tour?Rudra pur dated 28.07.14	68100
4	Geo Bags Placed in Sours	TECGFAB India Industries Ltd.	NH/TPS/PROC/2011/2053/310 dated 17.05.2011	120175
5	Emergent Protection of right Afflux Bund RD (+/-)1510m to RD (+/-) 1535m at Tanakpur Barrage Site	Hillman Enterprises	NH/TPS/Barrage/2014/w.o. No. 09/80 dated 13.08.2014	508703
6	Emergent Protection of right Afflux Bund RD (+/-)1475m to RD (+/-) 1510m at Tanakpur Barrage Site	Rabish Chandra Garkoti	NH/TPS/Barrage/2014/w.o. No. 07/78 dated 13.08.2014	536872
7	Emergent Protection of right Afflux Bund RD (+/-)1535m to RD (+/-) 1600m at Tanakpur Barrage Site	Purnagiri Const. Co.	NH/TPS/Barrage/2014/w.o. No. 08/79 dated 13.08.2014	653612
8	Placing Tetrapods (only placing cost) and sand bags in damaged portion at varous locations along.	Rabish Chandra Garkoti	NH/TPS/Barrage/2014/w.o. No. 01/280 dated 10.11.2014	257725
9	Nylon Gabbion of size (0.90mx0.90mx0.90m (filed with sand bags (Including departmental placing)	SAI Baba Bardana Co.	NH/TPS/Barrage(Civil) SO/Camp/Pilibhit 01 dated 05.08.2014	78750
10	Plain Cement Concrete Tetrapods used in this work in scour holes of right Afflux bund between RD(+/-) 1250m to RD(+/-) 1600m (Including departmental placing)	Purnagiri Const. Co.	NH/TPS/P&C/LOA/2014/191/3331 dated 06.02.14	1998591
		SKP Buildcon Pvt. Ltd.	NH/TPS/P&C/LOA/2014/200/11/308 dated 02.05.2014	3862492
11	Restoration of Damaged right Afflux Bund from 1525m to 1640m at TPS Barrage	APS Hydro	NH/TPS/P&C/LOA/2015/33/7/3866 dt. 03.03.15	12576854
12	Repair of Damaged right Afflux bund from RD 1470m to 1525m	Purnagiri Const. Co.	NH/TPS/P&C/LOA/2015/33/6/3867 dt. 03.03.15	13300569
			TOTAL	35561291

NHPC LIMITED FARIDABAD

Annexure "B"

Er. Baldev. S. Chawla
B.Sc. B.E.(Mech.), M.I.E., F.I.V., FIIISLA
Chartered Engineer (I)
Govt. Registered Valuer

B.S. CHAWLA & CO.
SURVEYORS & VALUERS
SLA – 1101 / 11.04.2017
S.T.C. No. ABIPC4980AST001
PAN No. ABIPC4980A

BC-R/F/III/5756/170070/DEL WITHOUT PREJUDICE 10.03.17

Sr. Divisional Manager,
The New India Assurance Co. Ltd.
Divisional Office-360300
29, Atam Park, Dugri Road,
Ludhiana-141003 (Punjab)

FINAL SURVEY REPORT

LOSS	:	Flood Loss at NHPC Ltd., Tanakpur Power Station, Banbassa, Distt. Champawat, (UK) on 19/20.07.14.
INSURED	:	NHPC Ltd., NHPC Office, Complex, Sector-33, Faridabad-121003 (Haryana) **Location of Risk:** Tanakpur Power Station, PO NHPC Campus, Banbassa, Distt. Champawat, (UK)
INSURER	:	The New India Assurance Co. Ltd. Divisional Office-360300 29, Atam Park, Dugri Road, Ludhiana-141003, Punjab
POLICY NO.	:	36030011130800000006, Period: 31.07.13 to 30.07.14 (Mega Risk Policy) Sum Insured: Rs. 868.14 Cr
CLAIM AMOUNT	:	**Rs. 3,70,52,782.00**
EXCESS	:	5% of Claim Amount, min. Rs. 2.00 Cr.
LOSS ASSESSED	:	**Rs. 1,13,88,758/-**

B-52, Shekhar Apartments, Mayur Vihar, Phase-1, New Delhi – 110091
Phone : 011-22718344 Mobile : **09810108428**

NHPC LIMITED FARIDABAD

It was reported that a flood / inundation loss to above site has taken place due to heavy flow of flood water effecting & damaging the protections near the right afflux bund at barrage site on 19/20.07.14.

On advice from your office, the above loss was surveyed on **13.08.14** & in subsequent visits and case was discussed with Mr. B.S. Khurana (SM- Finance) & other executives of Insured.

Insured was requested to submit relevant documents vide our various letters/ reminders, copies endorsed to Insurer's office.

A Feedback Report No. BC-L/F/Feedback/140914/DEL dated 14.09.14 was submitted (Copy enclosed).

The case was discussed jointly at NHPC Ltd./Faridabad on **15.12.14** in presence of Sr. Official of Insured/NHPC Ltd. & Insurer.

Insured has earlier submitted a Provisional Claim Bill of Rs. 3.55 Cr., vide their letter no. NH/TPS/CE/2015/1595 dated 27.02.15 alongwith supporting documents.

Insured has later on submitted a revised Provisional Claim Bill of Rs. 3.71 Cr., vide their letter no. NH/TPS/Fin/2015/452 dated 09.03.15 & mail/letter dated 10.03.15, copies enclosed.

An Interim Survey Report No. BC-L/F/Interim/III/5053/150078/DEL dated 18.03.15 was submitted recommending an on a/c payment of Rs. 30 Lac, copy enclosed.

Interim payment has been reportedly released by Insurer.

Several reminders/requests were made to submit the final claim bill along with supporting documents.

In view of above the case was discussed with Insured /Insurer in joint meeting at their Corporate Office at Faridabad in Oct' 15 & Dec' 15 during seminar.

Insured has intimated vide their letter dated 30.09.15 that the documents are under preparation and would be submitted soon.

Insured was again requested to provide the relevant documents/ informations vide our mail dated 16.11.15. (Copy enclosed).

Insured has submitted their final Claim Bill of Rs. 3,70,82,782.00 alongwith supporting documents/ payment details vide their letter No. NH/TPS/Fin/2015/C-23(I)/1938 dated 15.02.16.

Case was discussed again at Faridabad on 21.05.16 during seminar.

NHPC LIMITED FARIDABAD

The adjustment on a/c of improvement factor, additional jobs, errors were discussed in details.

No. of mails/letters were exchanged & matter was discussed at length on no. of occasions.

The matter was discussed on 25.01.17 at Faridabad in seminar, again on 03.03.17 at NHPC Tanakpur & finally on 08.03.17 at Faridabad and Insured agreed towards adjustments keeping in view the estimated additional jobs, loss aggravations, erosion, improvement factors errors etc.

In view of above, below is the Final Survey Report on the basis of available informations/documents.

1. **INSURED:**

NHPC Limited (formerly known as National Hydroelectric Power Corporation Ltd.), A Govt. of India Enterprise, was incorporated in the year 1975 with an authorized capital of Rs. 2000 million and with an objective to plan, promote and organize and integrated and efficient development of hydroelectric power in all aspects. Later on NHPC expanded its objects to include development of power in all its aspects through conventional and non-conventional sources in India and abroad.

At present, NHPC is a Mini Ratna Category-I Enterprise of the Govt. of India and is among the top ten companies in the country in terms of investment.

The details of NHPC Power Station and under construction are as under:

OPERATING POWER STATIONS:

Power Station	State	Capacity	Year of Commissioning
Baira Siul	Himachal Pradesh	(3x60) 180 MW	1981
Loktak	Manipur	(3x35) 105 MW	1983
Salal-I & II	Jammu & Kashmir	(6x115) 690 MW	1987
Tanakpur	Uttarakhand	(3x40) 120 MW	1992
Chamera-I	Himachal Pradesh	(3x180) 540 MW	1994
Uri-I	Jammu & Kashmir	(4x120) 480 MW	1997
Rangit	Sikkim	(3x20) 60 MW	1999
Chamera-II	Himachal Pradesh	(3x100) 300 MW	2004
Indira Sagar	Madhya Pradesh	(8x125) 1000 MW	2005
Dhauliganga-I	Uttarakhand	(4x70) 280 MW	2005-06
Dulhasti	Jammu & Kashmir	(3x130) 390 MW	2006-07
Omkareshwar	Madhya Pradesh	(8x65) 520 MW	2007
Teesta-V	Sikkim	(3x170) 510 MW	2008
Sewa-II	Jammu & Kashmir	(3x40) 120 MW	2010
Chamera-III	Himanchal Pradesh	(3x77) 231 MW	2012
Chutak	Jammu and Kashmir	(4x11) 44 MW	2012-13
Teesta Low Dam-III	West Bengal	(4x33) 132 MW	2013

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Nimmo Bazgo	Jammu & Kashmir	(3x15) 45 MW	2013
Uri-II	Jammu & Kashmir	(4x60) 240 MW	2014
Prabati-III	Himanchal Pradesh	(4x130) 520 MW	2014
		Total : 6507 MW	

PROJECTS UNDER CONSTRUCTION

Power Station	State	Capacity
Prabati-II	Himanchal Pradesh	(4x200) 800 MW
Subansiri Lower	Assam	(8x250) 2000 MW
Kishanganga	Jammu & Kashmir	(3x110) 330 MW
Teesta Low Dam-IV	West Bengal	(4x40) 160 MW
		Total : 3290 MW

3. BREIF DESCRIPTION OF THE PROJECT:

The Tanakpur is the run-of-the-river 120 MW Power Station located 5 km down stream of Brahmadeo in the Sharda Valley. Tanakpur Power Station is commissioned in April 1993 in the Sharda Valley. Power from this project is now being supplied to neighboring country Nepal.

LOCATION:

State In Which Located	:	Uttarakhand
District	:	Champawat
River	:	Sharda
Barrage	:	Approx. 2Km D/S Of The Town Tanakpur
Power House	:	Approx. 1.2 Km U/S Of Existing Sharda Barrage

HYDROLOGY:

Catchment Area	:	15,100 Sq. Km
Design Flood	:	19900 Cumecs
Mean Annual Rainfall	:	1500 MM

BARRAGE:

Total Length	:	475.3 M
Spillway Bays Length	:	279.5 M
Crest Level	:	Under Sluice-237.5M, Spilway-238.1M
No. Of Bays	:	22 (Under Sluice - 9, Spillway - 13)
Max. Discharge Capacity	:	19900 Cumec
Max. Barrage Pond Level	:	246.7 M
Silt Excluder Tunnels	:	6 No. Size 2.2 M X 3.2 M
Guide Bund (Downstream)	:	Left Bank - 177 M, Right Bank - 177 M
Afflux Bund (Upstream)	:	Left Bank - 2.2 M, Right Bank - 2.2 M

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SPILLWAY:

Nos. Of Spillways	:	13
Size Of Spillway Gates	:	18.3 M X 8.9 M
Weight Of Each Gate	:	69.271 MT
Crest Level Of Spillway Bay	:	238.1 M

SLUICES:

No. Of Sluices	:	9
Size Of Under Sluice Gates	:	18.3 M X 9.5 M
Weight of Under Sluice Gate	:	73.687 MT

HEAD REGULATOR:

Location	:	Right Bank Of The River
Length	:	78.45 M
Nos. & Size Of Gate / Wt	:	6 Nos., 11.2M X 5.5M Each, 36.087 MT
Discharge Capacity	:	680 Cumecs
Energy Dissipation Arrangement	:	Stilling Basin With Blocks

SILT EJECTOR:

Nos. & Type	:	48, Hopper Type
Size Of Desilting Basin	:	90 M X 120 M
Nos. Of Flush Tunnels	:	4 Nos.

POWER CHANNEL:

Length	:	6.4 Km (From Head Regulator To Fore bay)
Max. Discharge Capacity	:	566 Cumecs
Shape	:	Trapezoidal
Depth	:	6 - 9 M

FOREBAY:

Size	:	64.2 M X 91.0 M
Bed Level	:	231.10 M

BYPASS SPILLWAY:

No. And Size Of Bay	:	5 Nos. Of 9.5 M Each
Max. Discharge Capacity	:	566 Cumecs
Length Of Spillway	:	59.5 M
Crest Level	:	243.2 M

PENSTOCK:

Number	:	3 Nos.
Diameter	:	6.5 M
Length	:	54.2 M

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Size Of Intake Gates	:	5.1 M X 7.11 M
Center Line Of Intake	:	234.933 M

TAIL RACE CHANNEL:

Length	:	1150 M

POWER HOUSE:

Type	:	Surface
Design Head	:	24.25 M
Installed Capacity	:	94.2 MW (3 Units Of 31.4 MW Each - Derated Capacity)
Dimensions	:	102.30 M X 45.20 M X 47.70 M
Unit Design Discharge	:	188.67 Cumecs

EOT:

Number	:	2 Nos.
Capacity	:	125/30 Tons

TURBINE:

Type Of Turbine	:	Kaplan
Rated Net Head	:	24.25 M (Revised To 22.0 M For 94.2 MW)
Rated Output	:	32 MW (Derated From Rated output of 41.34 MW)
Rated Discharge For Rated Output & Head	:	188.67 M3/ Sec
Rated Speed	:	136.4 RPM
Rated Average Efficiency	:	0.922
Discharge Dia Of Runner	:	6200MM
Runaway Speed On Cam	:	280 RPM
Runaway Speed Off Cam	:	375 RPM
Direction of Rotation	:	Clockwise (viewed from top)
P.P. Set Delivery Pressure	:	40 Kg/ cm2
Max. Hydraulic thrust	:	480 T
No. of Guide Vanes	:	24

GENERATOR:

Type	:	Umbrella
Rated Output (at 0.9 PF lagging)	:	45 MVA
Rated Voltage	:	11 KV
Frequency	:	50 Hz
No. of Poles	:	44 Nos.
Stator Connection	:	Star
At 0.9 PF Lagging	:	45 MVA

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Rated Voltage	:	11 KV
Frequency	:	50 Hz
No. of Poles	:	44
Stator Connection	:	Star
Rated Current	:	2361.8 Amp
Excitation at Rated Load	:	900 Amp
Slip Ring Brushes	:	Total 24 (12 per Ring)
Thrust Bearing Type	:	Spring Mattress (10 Pads; 91 Springs per pad)
Air Gap	:	14 MM

BUS DUCT:

Type Designation	:	Isolated Phase Bus Duct
Rated Voltage	:	11 KV
Highest Voltage for Equipment(Um)	:	12 KV
Rated Frequency	:	50 Hz
Main Bus	:	3000 Amp

GENERATOR TRANSFORMER:

Rated Voltage	:	220 (+-10%) KV
Rated MVA	:	49.5 MVA
No. Of Transformers	:	3 Nos.
Type Of Cooling	:	OFWF
Insulation Class	:	A
% Impedance (At Principal Tap)	:	1232
Vector Group	:	YND11

SWITCH YARD:

Voltage Level	:	220 KV / 132 KV
Nos. Of Bays	:	7
Line Bays	:	3 {Line - I/II (220 KV) & Nepal Line (132 KV)}
Bus Coupler Bay	:	1
Type Of Breaker	:	SF 6 (Single Pole Operation, Pneumatic Opening Spring Closing)
Size of Switch Yard	:	168 M X 111 M

TRANSMISSION LINE:

Tanakpur to Bareilly	:	220 KV
Length of the Line	:	106 KM
Tanakpur to Sitarganj	:	220 KV
Length of the Line	:	43 KM
Tanakpur to Nepal	:	132 KV single CKT Line
Length of the Line	:	15 km

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DESIGN ENERGY:

Design Energy : 452.19 MU

COMMISSIONING DATED:

Unit-I	(31.03.1992)
Unit-II	(04.04.1992)
Unit-III	(04.04.1992)

4. **OCCURRENCE:**

It was reported that a flood / inundation loss to above site has taken place due to heavy flow of flood water effecting & damaging the protections near the right afflux bund between RD. (±) 1275m to RD. (±) 1600m at barrage site on 19.07.14 / 20.07.14.

Reportedly, a portion of the right afflux bund between RD. (±) 1275m to RD. (±) 1600m was damaged severely due to floods on 19 & 20th July 2014. To prevent further damages as well as saving the structure, immediate protection work was being executed step by step and would be reportedly continued during the entire remaining monsoon season.

As per Insured, the permanent protection of the damaged structures can only be executed after the monsoon period i.e. during the lean period when the water level is down.

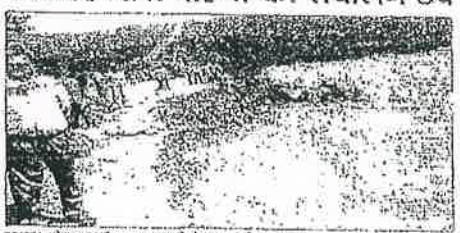
The news of heavy rain/weather was published in news papers, reading as under:

Media Monitoring
Tanakpur Power Station

Dainik Jagran
Haidwani
22.07.2014

टनकपुर बैराज मार्ग का एक हिस्सा ढहा

टनकपुर से नेपाल के लिए भारी वाहनों का संचालन ठप



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Media Monitoring
Tanakpur Power Station

Dainik Jagran
Haldwani
30.07.2014

तटबंध मरम्मत की गति धीमी

शारदा की बाढ़ से भूकटाव जारी, तटबंध पर खतरा बरकरार



It was reported that a portion of right afflux bund between RD (+-) 1275m to RD (+-)1600m was damaged severely due to floods on 19th and 20th July 2014, in which discharge of water was reportedly 3lakh cusecs. To prevent the furtherance of damages as well as to save the existing structure and nearby habitants, immediate steps were taken by placing tetra pods, polymer gabions, geo-bags, wire crates with stones etc.

Enquiry Committee / Inspection Committee:

Comprehensive damage report of right afflux bund between RD(+/-) 1275 M to (+/=)1600M & left afflux bund at misc RD's at Tanakpur Barrage Site.

Due to continuous heavy rains in the upper reaches and catchments area discharge between 60,000 cusecs to 3,04,000 cusecs was observed in river Sharda at Tanakpur Barrage on dated 19 & 20.07.2014. the high discharges sustained continuously above 1.5 acs for more than 24 hours and on 20/07/2014 a discharge of 30400cusecs was observed at 10:00 Am. Discharge summary has been enclosed as per Annexure-I Silt flushing operation was carried out on 24.07.2014 and damages were observed along the both afflux bunds at various locations.

In order to keep constant and close vision of vulnerable points/structures of the Tanakpur Power Station and for giving suggestion to HOP, a committee consisting of following was

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constituted by the competent authority vide office order No. NH/TP/CE/OO/616 dated 23.06.2014.

1. Sh. Mumtaz Hussin,Manager (civil)
2. Sh P.K Pande Dy. Manager (Civil)
3. Sh. Kumar VIvek Dy. Manager(Mech)

Accordingly committee visited various locations along the left and right afflux bunds at barrage site on 27.07.2014 for assessment of the damages due to heavy rains and discharge recently.

Damages & reasons:

1. RIGHT AFFLUX BUND:

Probable reason of damages:

A portion of right afflux bund between RD(+/-) 1275 m to RD(+/-)1600 m has been found damaged due to river meandering action & very high flow velocity. On 20.07.2014, river flow was observed divereted towards the right afflux bund probably due to activation of Nepal side Bhimari Nallah. A visit to th confluence of Bhimari nallah in the river about 500m upstream of the tail end of left afflux bund was conducted on 24.07.2014.heavy boulders and dense river bed material was found deposited at the confluence point. Local people have also reported about the very high intensity rains and flash food at about 9:30AM on 20.07.2014in one Bhimari nallah, which brought boulders & RBM. It appears that high discharge passed through the nallah with huge momentum has pushed the left side flow channel by deposition of boulders & RBM. Further deposition of RBM in the central position caused meandering of the river towards right afflux bund this resulted damages to the afore said RD's of the right afflux bund.

Extent of damages:

RD (+/-)1475m to RD (+/-)1535m- this portion has got extensively damaged toe wall apron are not visible at this stage. Concrete ribs & stone pitching have washed away completely due to direct hitting of river. Road portion has also got damaged and the remaining portion RD (+/-)1510 was found approx 300m only against the 700m originally constructed. The connectivity of barrage to tanakpur town has also been interrupted due to damage.

RD (+/-) 1535m to RD (+/-) 1600m- this portion has also got damaged toe wall apron are not visible at this stage concrete ribs & stone pitching have found partially damaged. Further there

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is the possibility of damages to the bund due to meandering action of the river in case of high flood condition.

RD (+/-) 1275m to RD(+/-) 1475 m- this portion has experienced erosion in the previous years also. A platform of boulder wire crates along with tetra pods on the river side face having approx 20m width was provided to protect this segment in the past. Between RD(+/-) 1435m to RD(+/-) 1465 m & RD(+/-) 1275m to RD(+/-) 1370 m, severe under scouring and erosion of the bund has been observed, boulder wire crates in 3 to 5 m in width & tetrapods placed in past on the river side face have washed away and at some locations wire crates has also noticed in the balance reach tetrapods place in bunch near RD(+/-) 1465m & along the bund in balance reach have been settled down or launched. Due to existence of continue flow & direct hitting of flow channel the condition of this segment remains critical & require immediate attention.(plan and sections showing damages to the segment are enclosed as per annexure-II to IV).

2. **LEFT AFFLUX BUND:**

Left afflux bund has got damaged in patches at various RD's due to high discharge, turbulences, & during the slit flusing operation carried out on 24.07.2014.

Extent of Damages:-

Wire crates have been settled down or sinked between RD(+/-) 830m to RD(+/-) 845 m, RD(+/-) 860m to RD(+/-) 870 m, RD(+/-) 927m to RD(+/-) 945 m & RD(+/-) 1670m to RD(+/-) 1680 m.

Wire Crates have been damaged partially and leaned towards the reservoir or over hanged between RD(+/-) 700m to RD(+/-) 710 m, RD(+/-) 742m to RD(+/-) 756m, RD(+/-) 830m to RD(+/-) 856m, RD(+/-) 1008m to RD(+/-) 1011 m, RD(+/-) 1076m to RD(+/-) 1082 m, RD(+/-) 1116m to RD(+/-) 1127 m, RD(+/-) 1197m to RD(+/-) 1200m, & RD(+/-) 1250m to RD(+/-) 1265 m.

Keeping in mind the aliveness of the monsoon damaged portion require immediate attention.

Probable risk due to damage & prospective protection methodology:-

A. **RIGHT AFFLUX BUND:**

1. **RD(+/-) 1475m to RD(+/-) 1535 m**

There is high risk of damages to afflux bund and submergence of nearby areas. The connectivity of barrage to Tanakpur town has already got interrupted due to damage.

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In first step damaged road width is required to be restored with placement of fishnet gabions tetra pods geo bags in scoured portion and thereafter laying of wire crates. Cavity behind the wire crates shall be filled with compacted R.B.M sand bags. Emergent work in the first stage has already been started through letter of intent and is and is under progress. As such flow cannel may directly smashed this portion in high flood condition therefore for remaining monsoon period of one & half months continuous protection is required to be carried out subsequent to completion of first stage protection. After restoration of original road width, it is proposed to place the tetra pods in the scour holes and at least two lines of wire crates in 03 layers towards the water face.

2. **RD(+/-) 1535m to RD (+/-) 1600m-**

Tetra pods along with boulder wire crates have been placed recently in scoured/eroded portion under first phase protection, strenghting of the same is required by lying of additional wire crates and creation of nose spurs with tetra pods.

3. **RD(+/-) 1275m to RD (+/-) 1475m-**

Between RD(+/-) 1435m to RD (+/-) 1465m, & RD(+/-) 1275m to RD (+/-) 1370m, one row of tetra pods require to be provided to prevent the onward damages due to severe under scouring.

For passing the remaining monsoon period successfully & to restrict further damages to the afflux band, nose spurs of tetra pods are required to be constructed at RD(+/-) 1630m , (+/-) 1580m, (+/-) 1540m, (+/-) 1510m, (+/-) 1475m, (+/-) 1370m, (+/-) 1300m.

B. **LEFT AFFLUX BUND:**

All the damaged RD's of left afflux bund may be restored by laying of wire crates in one row and rectification of the leaned wire crates.

Recommendations/suggestions of the committee

Keeping in view the safety of the structure and to avoid further damages & loss of the power station the committee has divided/ bifurcated its recommendation and suggestion in following three steps:-

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- Immediate steps requires to be taken up
- Steps required to be taken up after monsoon
- Fund requirement for restoration

Immediate steps require to be taken up

1. Right afflux bund:- in addition to as suggested above under the heading probable risk and prospective methodology, power station has already taken the immediate steps to prevent the further damage. The committee recommends continuing with the restoration works already taken up to achieve the original sectional width of the right afflux bund between RD(+/-)1475m to 1600m by placing of tetra pods, fishnet gabions and wire crates etc.

   Keeping in view that the monsoon season is still left and permanent restoration of the damaged structure can be taken up only after the monsoon is over the committee is of the opinion that the barrage division should have sufficient stock of boulders/ tetra pods/gabions to meet the exigency during current rainy season. Accordingly, the committee recommends following.

Boulders (20 to 40 kg)	=	1500cum
Tetra pods	=	1500 Nos.
Fishnet Gabions	=	600Nos.

   NB:- above requirement is in addition to the already placed approx 600 tetrapods as intimated by the barrage division in the damaged portion of the right afflux bund between RD(+/-)1275m to (+/-) 1600m.

   Left afflux bund:- as suggested under prospective methodology for left afflux bund.

<u>Steps require to be taken up after monsoon</u>:

- Right afflux bund – the committee recommends that the action taken up as taken in past by making a platform between RD(+/-)1275m to (+/-) 1475m or extend the platform 1660m.the platform of width 20 M is suggested

- Left afflux bund – at present no work is require except the routine works of wire crates generally carried out every year for restoring the observed damages.

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Fund requirement for restoration works:

1. For taking immediate steps

Right afflux Bund	Rs. 181.80 lacs
Left afflux bund	Rs. 18.63 lacs
Total	**Rs. 200.43 lacs**

2. For taking steps after monsoon

Right afflux bund	Rs. 379.00 lacs
Total	**Rs.379.00 Lacs**
Total of 1+2	**Rs. 579.43 lacs**

In view of above, damages occurred due to flood the restoration cost of the repair/protection works is recoverable from the insurance company. No budget provision was kept BE/ RBE-2014-15 for the unexpected extensive damages and approx 20% of the restoration cost be required under head 920304-06 (R & M of dam & reservoir) in RBE-2014-15 on account of any short fall in claim settlement with the insurance company. Meanwhile a fund of approx 200.43 lacs is required to be released for emergent protection works being executed or to be executed during the monsoon period.

Copy of Enquiry Committee Report is enclosed

Insured had earlier estimated the loss around Rs. 3.55 Cr. which was later on revised.

Insured have finally submitted a **Claim Bill** of **Rs. 3,70,52,782.00** vide their mail dated 10.03.15 (Copy enclosed).

The details are as under :

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5. **CLAIM BILL:**

A. **Details of Expenditure Incurred on protection of right afflux bund between RD (+/-)1250m to RD (+/-)1600m after 19.07.2014.**

S. No.	Description of work	Name of Party	Work order no.	Awarded cost/RA BILL No.	RA Bill wise amount	Total (Actual Cost) (Rs.)		INCOME TAX		SERVICE TAX		SALES TAX	
								Amount	SL. No. VOL-II	Amount	SL. No. VOL-II	Amount	SL. No. VOL-II
1	Poly propeiene Ploymer Garbions size 2mx2mx1m.	Power Electrical Co.	NH/TPS/PC& Barrage /SO/Camp/haridwar/02 dated 18/06/2014 total used -220 nos. @(2670/- +13.5%VAT)	6,66,699.00	IST & FINAL	6,66,699.00	Supply						
2	Stone Boulders.	Pahalwan Store Carrier	NH/TPS/PC& Barrage /SO/Camp/Tanakpur/01 dated 06/06/2014 (Qty 500 cum @ Rs. 1330/- per cum =Rs. 665000/-) and	6,65,000.00	IST & FINAL	9,32,149.12	Supply						
		Pahalwan Store Carrier	NH/TPS/PC& Barrage /SO/Camp/Tanakpur dated 02/08/2014 for total qty of 1000 cum and (Qty used in this work is 200.864 cum @ Rs. 1330/- per cum =Rs. 267149/-)	13,33,000.00			Supply						
3	Steel Wire Rope and U-clamps for engaging of tetra pods.	Bharat Hardware Store	NH/TP/Barrage(Civil)/SO/Tour/Rudrapur Dated 28/07/2014	68,100.00	IST & FINAL	68,100.00	Supply						

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4	Geo Bags Placed in sours.	TECGFAB India Industries Ltd.	NH/TPS/PROC/2011/2053/310 dated 17/05/2011, Total qty used in this work is 1265 No @ Rs. 95/- per No =120175	9,70,000.00	IST & FINAL	1,20,175.00	Supply						
5	Emergent Protection of right Afflux Bund between Rd(+/-) 1510m to RD (+/-) 1535m at Tanakpur Barrage Site .	Hillman Enterprises	NH/TPS/Barrage/2014/WO No. 09/80 Dated 13/08/2014	5,08,703.00	IST & FINAL	5,08,703.00	Works	4,736.00	58	17,561.00	55	28,415.00	60
6	Emergent Protection of right Afflux Bund between RD (+/-) 1475m to (+/-) 1510m at Tanakpur Barrage Site.	Rabish Chandra Garkoti	NH/TPS/Barrage/2014/WO No. 07/78 Dated 13/08/2014	5,36,872.00	IST & FINAL	5,36,872.00	Works	4,999.00	58	18,533.00	55	9,997.00	60
7	Emergent Protection of right Afflux Bund between RD (+/-) 1535m to (+/-) 1600m at Tanakpur Barrage Site.	Purnagiri Const. CO.	NH/TPS/Barrage/2014/WO No. 08/79 Dated 13/08/2014	6,53,612.00	IST & FINAL	6,53,612.00	Works	12,170.00	58		55	12,170.00	60
8	Placing Tetrapods (only placing cost) and sand bags in damaged portion at various locations along.	Rabish Chandra Garkoti	NH/TPS/Barrage/2014/WO No. 01/280 Dated 10/11/2014	2,57,725.00	IST & FINAL	2,57,725.00	Works	2,373.00	49	10,262.00	47	14,233.00	44
9	Nylon Gabbion of size (0.90mx0.90mx0.90 m) filed with sand bags (Including departmental placing)	SAI Baba Bardana CO.	NH/TPS/Barrage(civil)SO/camp/pilibhit 01 Dated 05/082014	78,750.00	IST & FINAL	78,750.00	Supply						
10	Plain Cement Concrete tetrapods used in this work in scour holes of right	Purnagiri Const. CO.	NH/TPS/P&C/LOA/2014/191-/3331-Dated 06/02/2014 and	35,57,895.00	3rd & FINAL	19,98,591.00	Works	38,089.00	64			38,089.00	62

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	Afflux Bund Between RD(+/-) 1250m to RD(+/-) 1600m (Including departmental placing)		Nos. of Tetrapods used in this work 284 No. @ Rs. 7037.29 (Including Service Tax)= Rs. 1998591/-										
		SKP Buildcon P Ltd.	NH/TPS/P&C/ LOA/2014/200 11/308 Dated 02/05/2014 and Nos. of Tetrapods used in this work 487 Nos. @ Rs. 7931.20 (Including Service Tax)= Rs. 3862492/-	99,13,994.00	3rd & 4th & FINAL	38,62,492.00	Works	41,869.00	58			1,25,607.00	60
								48,672.00	51			1,46,014.00	53
						96,83,868.12							
11	Restoration of Damaged right Afflux Bund from1525m to 1640m at TPS Barrage	APS Hydro	NH/TPS/P&C/ LOA/2015/33/ 7/3866/DT 3/3/15				Works						
	1st RA			1,28,06,745.00	37,84,023.00			69,654.00	37			1,39,308.00	34
	2nd RA				49,14,211.00			90,458.00	37			1,80,916.00	34
	3rd RA				3,27,7711.00			60,335.00	31			1,20,669.00	27
	4th RA				6,00,909.00			11,062.00	20			22,123.00	23
						1,25,76,854.00							
12	Repair of Damaged right Afflux bund from RD 1470m to 1525m	Purnagiri Const. CO.	NH/TPS/P&C/ LOA/2015/33/ 6/3867/DT 3/3/15										
	1st RA			1,31,04,158.00	36,42,558.00			67,050.00	37			67,050.00	34
	2nd RA				51,71,481.00			95,194.00	34			95,194.00	34
	3rd RA				36,08,043.00			66,415.00	31			66,415.00	27
	4th RA				8,78,487.00			16,171.00	20			16,171.00	23
						1,33,00,569.00							

Total **Rs. 3,55,61,291.12**

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NHPC LIMITED FARIDABAD

B. Expenditure incurred on Deployment of Departmental Equipments: Rs. 14,91,491.00

TOTAL A + B = Rs. 3,55,61,291.00 + Rs. 14,91,491.00 = Rs. 3,70,52,782.00

EXPENDITURE INCURRED DUE TO FLOOD LOSS AS PER INSURED:

1.	Expenditure incurred on protection work (Annexure A)	Rs.	96,83,868.00
2.	Utilization of Departmental Machineries	Rs.	14,91,491.00
3.	Restoration of Damaged structures (RD 1470m to RD 1525m)	Rs.	1,33,00,569.00
4.	Restoration of Damaged structures (RD 1525m to RD 1640m)	Rs.	1,25,76,854.00
		Rs.	3,70,52,782.00

6. OBSERVATIONS/ CONCLUSIONS:

The loss was discussed with Insured's executive in detail on nos. of occasions at their Corporate Office/ Plant site, in view of the physical inspection/ improvements and other related factors.

6.1 As per Insured/ investigations made, it was learnt that due to heavy flood on 19/20.07.14, the right afflux bund between RD (+/-)1275 m to RD (+/-)1600 m got badly damaged along with protection works.

Insured had immediately started the protection work to prevent further damages/ aggravation of losses, thus minimizing the liability/ loss to a great extent.

Insured has spent/ claimed **Rs. 1,11,75,359.00** (Rs. 96,83,868.00 {S. No. 1 to 8 of Claim Bill} + Rs. 14,91,491.00 {towards deployment of departmental equipments}) towards restoration of protection work which seems to be reasonable as per supporting documents submitted/ physical inspection.

However LS 10% has been adjusted towards other maintenance works, extra / additional works not directly attributable to the above loss.

NHPC LIMITED FARIDABAD

6.2 Insured has claimed **Total Rs. 2,58,77,423.00** towards Restoration of Damaged structures i.e. **Rs. 1,33,00,569.00** from RD 1470m to RD 1525m and **Rs. 1,25,76,854.00** from RD 1525m to RD 1640m.

The amount claimed by Insured seems to be reasonable in view of physical inspection/ supporting documents/ payment details submitted.

However, the above amount is inclusive of some additional jobs which was done as a safety/ precautionary measure to check future losses.

Details of job attended & prior to loss were sifted and lower amount has been agreed.

The improvement cost/ jobs have not been considered.

In view of above and taking into a/c all the governing factors and considering the Policy head. LS 15% has been adjusted towards extra /additional work, improvement factor, disallowances etc.

LS 3% has been adjusted towards routine maintenance cost which Insured has to incur every year irrespective of the above loss as per previous year's total expenditure made by the Insured towards above head.

6.3 LS Rs. 5,000/- has been adjusted towards Salvage Value.

In view of above, below is the Loss Calculation.

7. LOSS CALCULATION:

7.1 Expenditure incurred on protection work (Rs. 96,83,868.00 + Rs. 14,91,491.00)	:	Rs. 1,11,75,359.00
Less: 10% towards other maintenance works, extra work/additional job (as discussed above)	:	Rs. 11,17,535.90
		Rs. 1,00,57,823.10

NHPC LIMITED FARIDABAD

7.2	Expenditure incurred towards Restoration of Damaged Structures (RD 1470m to RD 1640m)	:	Rs. 2,58,77,423.00
	Less: 15% towards extra additional works, disallowances, improvement factors and other governing factors (as discussed above)	:	Rs. 38,81,613.45 Rs. 2,19,95,809.55
	Less: 3% towards routine maintenance (as discussed above)	:	Rs. 6,59,874.28 **Rs. 2,13,35,935.27**
	Total Gross Loss assessed (Rs. 1,00,57,823.10 + Rs. 2,13,35,935.27)	:	**Rs. 3,13,93,758.37**
	Less: Salvage LS	:	Rs. 5,000.00 **Rs. 3,13,88,758.37**
	Less: Excess (5% of Claim Amount, min. Rs. 2.00 Cr.)	:	Rs. 2,00,00,000.00 **Rs.1,13,88,758.37**

SAY Rs. 1,13,88,758/-

(Rupees One Crore Thirteen Lacs Eighty Eight Thousand Seven Hundred Fifty Eight only)

SALVAGE : ADJUSTED

NHPC LIMITED FARIDABAD

NOTE:

1. **On A/c payment made maybe adjusted.**
2. **The loss is admissible within the scope, terms & conditions of the policy**
3. **No breach of warranty was apparently observed.**

THIS REPORT IS ISSUED WITHOUT PREJUDICE ON THE BASIS OF PHYSICAL INSPECTION & INVESTIGATION AND LOSS ASSESSED IS SUBJECT TO TERMS & CONDITIONS OF THE POLICY & APPROVAL OF THE CO.

[B. S. CHAWLA]

Encl:

01. Survey Report in duplicate.
02. Survey Fee Bill in duplicate.
03. Completed claim form.
04. Claim bill with supporting documents
05. Copies of E-mails / letter exchanged with Insured.
06. Copy of Interim Survey report No. BC-L/F/Interim/III/5053/150078/DEL dated 18.03.15
07. Photographs (138 Nos.)

NHPC LIMITED FARIDABAD

APPENDIX-III TO ANNEX-III

STATEMENT OF CLAIM LODGED WITH INSURANCE COMPANY AND ITS SETTLEMENT						
Particulars		**Jun-13**		**Jul-14**		**TOTAL**
Total Reassessed loss (as per division records)	**(a)**		177225654		35561291	212786945
Utilisation of Deptt machinery					1491491	1491491
Total loss assessed	(b)		**177225654**	**0**	**37052782**	**214278436**
Not claimable		1779834				1779834
Adjustment for estimation,errors and disallowance	©	60962049		4999150		65961199
salvage value	(d)	2500000		5000		2505000
5% routine maintenance	(e)	5599189		659874		6259063
SHORTFALL	f= (b+c+d+e)		**70841072**		**5664024**	**76505096**
Revised claim	g= (a-f)		106384582		31388758	137773340
Excess clause deduction	(h)		20000000		20000000	40000000
Net claim settled/received	(g-h)		86384582		**11388758**	**97773340**
Claim Settled						0
	1	15000000		3000000		18000000
	2	71384582	86384582	8388758	11388758	79773340
TOTAL SHORTFALL	(f+h)		**90841072**		**25664024**	**116505096**

NHPC LIMITED FARIDABAD

APPENDIX-IV to
ANNEX-III

Terms and Conditions of Tariff for the tariff period starting from 01.04.2019 - Submission of information related to actual performance / operational data and O&M Expenses in respect of NHPC Power Stations in compliance to CERC Order No. L-1/225/2017/CERC dated 10.11.2017.

एनएचपीसी लिमिटेड
(भारत सरकार का उद्यम)
NHPC Limited
(A Govt. of India Enterprise)

एनएचपीसी
NHPC

COMMERCIAL DIVISION

N.H.P.C. OFFICE COMPLEX,
SECTOR-33, FARIDABAD (HARYANA)-121003

NHPC LIMITED

BEFORE THE HON'BLE CENTRAL ELECTRICITY REGULATORY COMMISSION, NEW DELHI.

IN THE MATTER OF

Terms and Conditions of tariff for the tariff period starting from 01.04.2019 - Submission of information related to actual performance / operational data and O&M Expenses in respect of NHPC Power Stations in compliance to CERC Order No. L-1/225/2017/CERC dated 10.11.2017.

AND IN THE MATTER OF

NHPC Limited.
(A Govt. of India Enterprise)
NHPC Office Complex,
Sector – 33,
Faridabad – 121 003.

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4.	Details of power allocation to various beneficiaries (including un-allocated quota) from NHPC Power Stations	62-64
5.	Details of actual plant availability of NHPC Power Stations for the period 2012-13 to 2016-17as per 'Annexure-IV'	65-85

NHPC LIMITED FARIDABAD

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6.	Details of project wise annual operation and maintenance expenses of NHPC Power Stations in format 'Annexure-VII' along with reasons for year to year variation of more than +/-10%	86-231
7.	Details of O&M Expenses at Corporate / Regional Level as format 'Annexure-VIII' along with methodology for allocation of expenses to various functional units.	232-342
8.	Time series analysis as per format 'Annexure-XIX' for the period 2004-05 to 2016-17	343-380

NHPC Limited.
Through

(A K Pandey)
Chief Engineer (Comml.)

Place : Faridabad
Date : 25.01.2018

NHPC LIMITED FARIDABAD

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हरियाणा HARYANA

G 634606

Reg. No. 173
Date 25/1/2018

BEFORE THE HON'BLE CENTRAL ELECTRICITY REGULATORY COMMISSION, NEW DELHI.

IN THE MATTER OF

Terms and Conditions of tariff for the tariff period starting from 01.04.2019 - Submission of information related to actual performance / operational data and O&M Expenses in respect of NHPC Power Stations in compliance to CERC Order No. L-1/225/2017/CERC dated 10.11.2017.

AND IN THE MATTER OF

NHPC Limited.
(A Govt. of India Enterprise)
NHPC Office Complex,
Sector – 33, Faridabad – 121 003.

NOTARY
Regn. 6663
Advocate
Distt. Faridabad
Haryana (India)
APPOINTED BY GOVT. OF INDIA

NHPC LIMITED
FARIDABAD

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Sl. No.	ITEMS	2012-13	2013-14	2014-15	2015-16	2016-17
RECONCILIATION STATEMENT :						
						Amount in ₹
X	Total of Annexure-VII (Sr. Nos : 11)	1,49,89,77,769	1,65,14,96,006	1,91,73,18,402	1,87,65,62,617	2,26,56,33,547
Y	Add: Not included in 'X' above	-	-	-	-	-
i)	Water Usage charges and its license fee	3,48,65,28,736	3,44,38,43,088	3,71,76,40,584	3,82,32,50,544	3,64,39,99,272
ii)	RLDC/(POSOCO) Charges & its Registration fee	1,29,86,413	-	1,18,71,326	-	-
iii)	Filing fee/ Tariff Petition fee paid to CERC, whereas, review petition fee.	-	3,76,33,391	-	1,07,59,609	93,90,721
iv)	Publication fee related to Tariff petition only	-	-	-	-	-
v)	FERV relating to foreign loan.	-	-	-	-	-
vi)	Arrear paid for pay hike	-	-	-	-	-
vii)	Prior period Allocation (less)	-	-	-	-	-
viii)	PROVISIONS	-	10,61,720	43,33,596	14,19,249	2,29,19,225
ix)	BAD DEBTS WRITTEN OFF	-	-	-	-	-
x)	BAD ADVANCES WRITTEN OFF	-	-	-	-	-
xi)	BAD CLAIMS WRITTEN OFF	-	-	-	-	34,650
xii)	Loss on sale of Assets	4,95,292	3,32,048	7,33,302	6,96,651	6,47,499
xiii)	Interest on Arbitration Award	39,11,315	2,19,944	-	37,774	-
xiv)	Losses out of self insurance claims (upto excess clause)	-	38,23,113	1,66,83,910	2,00,00,000	-
xv)	Loss of assets against Insurance Claims (beyond excess clause)	-	-	-	-	1,35,26,065
xvi)	Interest to Beneficiary State	1,79,50,541	2,26,62,932	16,83,869	93,46,920	1,37,51,585
xvii)	Rebate to Customers	22,07,609	30,21,015	19,09,821	54,20,905	52,43,705
xviii)	CSR	54,15,307	96,95,401	81,43,556	3,01,48,671	60,07,433
xix)	B. Direct Expebditure on Contract, Project Management and Consultancy Works	-	-	-	-	-
	Total Y	3,53,14,97,213	3,52,24,62,652	3,76,29,99,984	3,90,10,80,323	3,71,56,20,155
Z	Grand Total (X+Y)	5,03,04,74,982	5,17,39,78,658	5,68,03,18,386	5,77,76,42,940	6,00,11,53,702
	Balance sheet					
	Employee Cost	1,12,39,39,927	1,15,28,16,388	1,20,28,28,084	1,16,50,71,710	1,62,69,50,218
	Generation & Administration Expenses	3,91,00,33,906	4,02,23,55,500	4,47,82,52,885	4,61,43,29,379	4,34,61,30,421
	Provisions	-	-	-	-	2,29,19,225
	Rebate to customer	-	-	-	-	52,43,705
	Allocation of CO and ED office Expenses	-	-	-	-	-
	OTHER INCOME(CO.ED)	(55,91,257)	(26,59,955)	(34,85,800)	(46,36,371)	(48,74,811)
	PRIOR PERIOD	-	-	-	-	4,415
	Provisions	-	-	-	-	-
	FINANCE CHARGES	9,688	10,898	6,129	5,201	10,06,334
	DEPRECIATION	20,82,718	14,55,827	27,17,268	28,73,021	37,74,195
S	Grand Total	5,03,04,74,982	5,17,39,78,658	5,68,03,18,386	5,77,76,42,940	6,00,11,53,702
	Difference (Z-S)	0	0	0	0	0

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NHPC Limited
(A Govt. of India Enterprises)
NHPC Office Complex
Sector-33, Faridabad-121003
Haryana, India

NHPC LIMITED FARIDABAD

III

Annexure-VII

DETAILS OF OPERATION AND MAINTENANCE EXPENSES
Name of the Company : National Hydroelectric Power Corporation Ltd
Name of Power Station: TANAKPUR POWER STATION

Amount in ₹

Sl. No.	ITEMS	2012-13	2013-14	2014-15	2015-16	2016-17
	1					
(A)	**Breakup of O&M Expenses**					
1	**Consumption of stores & spares**	14,78,86,638	1,35,34,108	4,97,70,494	3,48,39,912	5,58,46,125
		-	-	-	-	-
2	**Repair & Maintenance**	-	-	-	-	-
2.1	**For Dam,Intake,WCS,De-silting chamber**	3,81,13,899	5,40,38,940	9,57,13,743	19,48,37,064	12,52,59,134
2.2	**For Power House and all other works**	4,92,02,328	4,80,30,069	6,11,93,697	5,81,65,585	9,49,10,115
	Sub-Total (Repair and Maintenance)	**8,73,16,227**	**10,20,69,009**	**15,69,07,440**	**25,30,02,649**	**22,01,69,249**
		-	-	-	-	-
3	**Insurance**	1,12,82,592	1,79,29,069	2,28,82,596	3,24,93,877	3,36,08,082
4	**Security Expenses**	5,60,81,459	6,02,25,386	7,58,32,908	8,33,14,390	10,44,60,912
		-	-	-	-	-
5	**Administrative Expenses**	-	-	-	-	-
5.1	Rent	25,39,593	37,06,793	40,45,108	47,75,729	47,76,393
5.2	Electricity charges	1,17,67,781	1,88,27,026	1,19,59,772	1,38,43,745	1,42,96,408
5.3	Travelling & Conveyance	33,11,840	29,08,176	54,17,582	42,68,315	76,31,578
5.4	Telephone, Telex & Postage (Communication)	22,87,246	35,40,640	32,90,773	32,39,156	87,28,541
5.5	Advertisement	7,49,587	18,70,522	14,14,660	14,32,925	10,02,716
5.6	Donation	-	-	-	-	-
5.7	Entertainment	12,650	16,050	11,950	9,000	14,589
		-	-	-	-	-
	Sub-total (Administrative expenses)	**2,06,68,697**	**3,08,69,207**	**2,61,39,845**	**2,75,68,870**	**3,64,50,225**
6	**Employee Cost**	-	-	-	-	-
6.1a	Salaries,wages & allow. -Project	44,64,39,316	47,59,28,164	49,61,41,597	53,04,99,817	73,52,79,255
6.2	Staff welfare expenses	3,59,30,742	4,59,76,060	4,95,45,166	4,76,36,101	4,28,28,509
6.3	Productivity Linked incentive	2,44,36,698	1,43,28,328	2,05,32,880	2,20,36,278	5,18,50,690
6.4	VRS-Ex-gratia	65,43,321	28,29,675	17,12,962	8,35,921	-
6.5	Ex-gratia	-	-	-	-	-
6.6	Performance related pay (PRP)	1,21,19,507	84,35,389	1,50,87,212	1,68,55,448	2,26,95,691
	Sub-total (Employee Cost)	**52,54,69,584**	**54,74,97,616**	**58,30,19,817**	**61,78,63,565**	**85,26,54,145**
7	Loss of Store	12,71,942	-	1,89,838	-	1,94,425
		-	-	-	-	-
		-	-	-	-	-
9.1	Allocation of CO Office expenses	2,82,98,097	2,31,89,317	2,25,52,770	2,25,41,510	4,18,65,759
		-	-	-	-	-
10	**Others (Specify items)**	3,09,78,415	3,33,86,581	4,12,95,966	10,39,09,272	4,85,49,161
11	**Total (1 to 10)**	**90,92,53,651**	**82,87,00,293**	**97,85,91,674**	**1,17,55,34,045**	**1,39,37,98,083**
12	**Revenue /Recoveries**	22,20,41,290	1,58,47,350	2,81,22,631	2,65,00,879	15,21,14,496
13	**Net Expenses**	**68,72,12,361**	**81,28,52,943**	**95,04,69,043**	**1,14,90,33,166**	**1,24,16,83,587**
14	Capital spares consumed not included in A(1) above and not claimed/allowed by commission for capitalisation					
15	**Number of employees**	403	391	391	377	382
15.1	Executives	79	70	116	113	127
15.2	Non-Executives	324	321	275	264	255
15.3	Corporate Office	1,580	1,546	1,638	1,626	1,611
16	Man-MW ratio (Man/MW)	4.28	4.15	4.15	4.00	4.06
16.1	Number of employees deployed in O&M	All employees posted in the power station are contributing towards O&M of Power Station in one way or other				
16.2	Executives					
16.3	Non-Executives					

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NHPC Limited
(A Govt. of India Enterprises)
NHPC Office Complex, FARIDABAD

DETAILS OF OPERATION AND MAINTENANCE EXPENSES
Name of the Company : NHPC Ltd
Name of Power Station: TANAKPUR POWER STATION

Sl. No.	ITEMS	2012-13	2013-14	2013-14	Reasons
	1				
(A)	Breakup of O&M Expenses				
1	Consumption of stores & spares	14,78,86,636	1,35,34,108	-91%	The reduction in FY 2013-14 is because Capital Maintenance of U#03 was carried out in FY 2012-13 during which complete Runner assembly, Lower & Upper GV Bush, Thurst spring were utilised. EL & CB Analyser were also purchsed during FY 2012-13.
2	Repair & Maintenance	-	-		
2.1	For Dam,Intake,WCS,De-silting chamber	3,81,13,899	5,40,38,940	42%	The increse is due to expenditure incurred in restoration of damaged civil structure of water conductor system at Barrage.
2.2	For Power House and all other works	4,92,02,328	4,80,30,069		
	Sub-Total (Repair and Maintenance)	8,73,16,227	10,20,69,009		
3	Insurance	1,12,82,592	1,79,29,069	59%	1). Increase in premium rates on account of deteriorating claim ratio as a result of loss at Dhauliganga & Tanak Pur Power Station due to flood in June 2013 and other factors in the reinsurance market. 2). Increase in sum-insured due to increase in reinstatement cost of assets on Valuation. 3).Increase in premium rates of CPM Policy on account of deteriorating claim ratio as a result of loss at Dhauliganga Power Station due to flood in June 2013 and increase in Sum-insured.
4	Security Expenses	5,60,81,459	6,02,25,386		
5	Administrative Expenses	-	-		
5.1	Rent	25,39,593	37,06,793	46%	Increase in Hiring of Vehicle
5.2	Electricity charges	1,17,67,761	1,88,27,026	60%	The increase in electricity charges for FY 2013-14 is due to payment of Rs. 77.79 Lacs to UPCL, subsequent to the finalisation of the disputed electricity bill from Dec. 2002 to Dec. 2005.
5.3	Travelling & Conveyance	33,11,840	29,08,176	-12%	Tour TA as per actual
5.4	Telephone, Telex & Postage (Communication)	22,87,246	35,40,640	55%	The increse in due to expansion of bandwidth of MPLS Link, internet lease line and purchase of ALC card for BPL EPABX.
5.5	Advertisement	7,49,567	18,70,522	150%	Due to the natural disaster i.e. heavy flood in June, 2013, Power Station was shut down and to restore the Power Station the volume of work increased tremendously, To execute the work advertisement/ tender notices in news paper have also increased resulting increased on advertisement in 2013-14.
5.6	Donation	-	-		
5.7	Entertainment	12,650	16,050	27%	Vary due decrease/ increase in nos of Chief Engineers and above.
	Sub-total (Administrative expenses)	2,06,68,697	3,08,69,207		
6	Employee Cost	-	-		
6.1a	Salaries,wages & allow. -Project	44,64,39,316	47,59,28,164		
6.2	Staff welfare expenses	3,59,30,742	4,59,76,060	28%	Increase due to increase in RETIRED EMPLOYEES MEDICAL BENEFIT ACTUARIAL VALUATION PROVISION and medical expenses in comparison to 2014-15
6.3	Productivity Linked incentive	2,44,36,698	1,43,28,328	-41%	Expenditure depend rate of PLI fixed by CO & nos of empolyees in the project
6.4	VRS-Ex-gratia	65,43,321	28,29,675	-57%	No of employees opted for VRS is more in FY 2012-13 as compared to FY 2013-14.
6.5	Ex-gratia	-	-		
6.6	Performance related pay (PRP)	1,21,19,507	84,36,389	-30%	Expenditure depend upon rating of NHPC, KPA and no of employessa in the project.
	Sub-total (Employee Cost)	52,54,69,584	54,74,97,616		
7	Loss of Store	12,71,942	-	-100%	The sale of BEML dozer parts amounting to Rs. 11.0 Lacs was completed in FY 2012-13 in addition to write off amount of diesel/ petrol for the same period .
9.1	Allocation of CO Office expenses	2,82,98,097	2,31,89,317		
10	Others (Specify Items)	3,09,78,415	3,33,66,581		
11	Total (1 to 10)	90,92,53,651	82,87,00,293		
12	Revenue /Recoveries	22,20,41,290	1,58,47,350	-93%	
13	Net Expenses	68,72,12,361	81,28,52,943		
14	Capital spares consumed not included in A(1) above and not claimed/allowed by commission for capitalisation				

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Haryana, India

NHPC LIMITED FARIDABAD

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DETAILS OF OPERATION AND MAINTENANCE EXPENSES
Name of the Company : NHPC Ltd
Name of Power Station: TANAKPUR POWER STATION

Sl. No.	ITEMS	2013-14	2014-15	2014-15	Reasons
	1				
(A)	Breakup of O&M Expenses				
1	Consumption of stores & spares	1,35,34,108	4,97,70,494	268%	The increase in FY 2014-15 is mainly due to purchase of DAVR, Aircell Conservator, EWS, OWS,SSG Panels, Mandatory spare for Governor, Numerical Protn. Relay, SF6 CB, Runner Blade templete, Wheels & Pins for HM Barrage gates etc.
		-	-		
2	Repair & Maintenance	-	-		
2.1	For Dam,Intake,WCS,De-silting chamber	5,40,38,940	9,57,13,743	77%	The increse is due to expenditure incurred in restoration of Right Afflux Bund, damaged warped wall and spur repair for protection of Power channel.
2.2	For Power House and all other works	4,80,30,069	6,11,93,697	27%	The increase is due to painting of PH building and expenditure incurred on R&M of roads and culverts.
	Sub-Total (Repair and Maintenance)	10,20,69,009	15,69,07,440		
		-	-		
3	Insurance	1,79,29,069	2,28,82,596	28%	1). Increase in premium rates on account of deteriorating claim ratio as a result of loss at Dhauliganga & Tanak Pur Power Station due to flood in June 2013 and other factors in the reinsurance market 2). Increase in sum-insured due to increase in reinstatement cost of assets on Valuation. 3).Increase in premium rates of CPM Policy on account of deteriorating claim ratio as a result of loss at Dhauliganga Power Station due to flood in June 2013.
4	Security Expenses	6,02,25,386	7,58,32,908	26%	Due to revision of DGR rates, the financial implication of security expenses in FY 2014-15 has been increased.
		-	-		
5	Administrative Expenses	-	-		
5.1	Rent	37,06,793	40,45,108		
5.2	Electricity charges	1,88,27,026	1,19,59,772	-36%	The reduction w.r.t Previous year is because only current routine payments have been made.
5.3	Travelling & Conveyance	29,08,176	54,17,582	86%	Tour TA as per actual
5.4	Telephone, Telex & Postage (Communication)	35,40,640	32,90,773		
5.5	Advertisement	18,70,522	14,14,660	-24%	After restoration in year 2014-15 the work has been reduced and hence the advertisement cost was reduced in the FY 2014-15.
5.6	Donation	-	-		
5.7	Entertainment	16,050	11,950	-26%	Vary due decrease/ increase in nos of Chief Engineers and above.
		-	-		
	Sub-total (Administrative expenses)	3,08,69,207	2,61,39,845		
6	Employee Cost	-	-		
6.1a	Salaries,wages & allow. -Project	47,59,28,164	49,61,41,597		
6.2	Staff welfare expenses	4,59,76,060	4,95,45,166		
6.3	Productivity Linked Incentive	1,43,28,328	2,05,32,880	43%	Expenditure depend rate of PLI fixed by CO & nos of empolyees in the project
6.4	VRS-Ex-gratia	28,29,675	17,12,962	-39%	No of employees opted for VRS is more in FY 2013-14 as compared to FY 2014-15.
6.5	Ex-gratia	-	-		
6.6	Performance related pay (PRP)	84,35,389	1,50,87,212	79%	Expenditure depend upon rating of NHPC, KPA and no of employessa in the project.
	Sub-total (Employee Cost)	54,74,97,616	58,30,19,817		
7	Loss of Store	-	1,89,836		Rs. 189836/- is write off amount against disel/petrol for the year 2013-14 & 2014-15 because MR against each of them were issued in month of April14 & March'15 respectively
		-	-		
		-	-		
9.1	Allocation of CO Office expenses	2,31,89,317	2,25,52,770		
		-	-		
10	Others (Specify Items)	3,33,86,581	4,12,95,966	24%	Due to Repair of main road from NHPC Main gate & Filling of patches in main road.
11	Total (1 to 10)	82,87,00,293	97,85,91,674		
12	Revenue /Recoveries	1,58,47,350	2,81,22,631	77%	
13	Net Expenses	81,28,52,943	95,04,69,043		
14	Capital spares consumed not included in A(1) above and not claimed/allowed by commission for capitalisation				

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Sector-33, Faridabad-121003

NHPC LIMITED FARIDABAD

DETAILS OF OPERATION AND MAINTENANCE EXPENSES
Name of the Company : NHPC Ltd
Name of Power Station: TANAKPUR POWER STATION

Sl. No.	ITEMS	2014-15	2015-16	2015-16	Reasons
	1				
(A)	Breakup of O&M Expenses				
1	Consumption of stores & spares	4,97,70,494	3,46,39,912	-30%	Only items like sealed roller bearings , discharge hose and other hardware itmes of routine nature were consumed during FY 2015-16.
		-	-		
2	Repair & Maintenance	-	-		
2.1	For Dam,Intake,WCS,De-silting chamber	9,57,13,743	19,48,37,064	104%	The Increse is due to expenditure incurred in repaair of launching apron & stilling basin, Left Afflux Bund and channelising of river course at u/s of Barrage.
2.2	For Power House and all other works	6,11,93,697	5,81,65,585		
	Sub-Total (Repair and Maintenance)	15,69,07,440	25,30,02,649		
		-	-		
3	Insurance	2,28,82,598	3,24,93,877	42%	In case of Mega Insurance Police 1. Increase in premium rates on account of deteriorating claim ratio as a result of loss due Fire incident at Uri-II Power Station and submergence of Chutak power Station in November 2014 and June 2015 respectively and other claims during policy period 2014-15 2. Increase in sum-insured due to increase in reinstatement cost of assets on Valuation. 3. Increase in the rate of Service Tax and WCT from 12.36% to 14% and 10.5% to 12.6% respectively. In case of CPM policy, Increase in Sum insured due to valuation of Assets, additional Construction equipment purchased and increase in premium rates & Service Tax/WCT rates as above.
4	Security Expenses	7,58,32,908	8,33,14,390		
		-	-		
5	Administrative Expenses	-	-		
5.1	Rent	40,45,108	47,75,729	18%	Increase in Hiring of Vehicle
5.2	Electricity charges	1,19,59,772	1,38,43,745	16%	The Increase is due to increase in the energy and fixed charges by UPCL
5.3	Travelling & Conveyance	54,17,582	42,68,315	-21%	Tour TA as per actual
5.4	Telephone, Telex & Postage (Communication)	32,90,773	32,39,156		
5.5	Advertisement	14,14,660	14,32,925		
5.6	Donation	-	-		
5.7	Entertainment	11,950	9,000	-25%	Very due decrease/ increase in nos of Chief Engineers and above
		-	-		
	Sub-total (Administrative expenses)	2,61,39,845	2,75,68,870		
6	Employee Cost	-	-		
6.1a	Salaries,wages & allow. -Project	49,61,41,697	53,04,99,817		
6.2	Staff welfare expenses	4,95,45,166	4,76,38,101		
6.3	Productivity Linked incentive	2,05,32,880	2,20,36,278		
6.4	VRS-Ex-gratia	17,12,962	8,35,921	-51%	No of employees opted for VRS is more in FY 2014-15 as compared to FY 2015-16
6.5	Ex-gratia	-	-		
6.6	Performance related pay (PRP)	1,50,87,212	1,68,55,448	12%	Expenditure depend upon rating of NHPC, KPA and no of employessa in the project
	Sub-total (Employee Cost)	58,30,19,817	61,78,63,565		
7	Loss of Store	1,89,838	-	-100%	Rs. 194425 is write off amount against disel/petrol for the year 2015-16 & 2016-17 because MR against each of them were issued in month of April-16 & March 17 respectively.
		-	-		
		-	-		
9.1	Allocation of CO Office expenses	2,25,62,770	2,25,41,510		
		-	-		
10	Others (Specify Items)	4,12,95,966	10,39,09,272	152%	Due to Booking of Water cess & green cess Provision
11	Total (1 to 10)	97,85,91,674	1,17,55,34,045		
12	Revenue /Recoveries	2,81,22,631	2,65,00,879		
13	Net Expenses	95,04,69,043	1,14,90,33,166		
14	Capital spares consumed not included in A(1) above and not claimed/allowed by commission for capitalisation				

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DETAILS OF OPERATION AND MAINTENANCE EXPENSES

Name of the Company : NHPC Ltd

Name of Power Station: TANAKPUR POWER STATION

Sl. No.	ITEMS	2015-16	2016-17	2016-17	Reasons
	1				
(A)	**Breakup of O&M Expenses**				
1	**Consumption of stores & spares**	3,48,39,912	5,58,46,125	60%	The increase in FY 2016-17 is mainly due to purchase of Thurst Bearing Spring, Excitation spares, GT Bushing, Consumable for major overhauling of Barrage HM gates etc.
2	**Repair & Maintenance**	-	-		
2.1	**For Dam,Intake,WCS,De-silting chamber**	19,48,37,064	12,52,59,134	-36%	The decrease is due to the fact that no special/major work was carried out and only routine maintenance works were taken up.
2.2	**For Power House and all other works**	5,81,65,585	9,49,10,115	63%	The increase is mainly due to capital maintenence of U#1 and the expenditure incurred on R&M of residential building.
	Sub-Total (Repair and Maintenance)	**25,30,02,649**	**22,01,69,249**		
3	**Insurance**	3,24,93,877	3,36,08,082		
4	**Security Expenses**	8,33,14,390	10,44,60,912	25%	Due to revision of DGR rates, the financial implication of security expenses in FY 2016-17 has been increased. The 7th pay commission has also resulting increase in CISF security expenses.
5	**Administrative Expenses**	-	-		
5.1	Rent	47,75,729	47,76,393		
5.2	Electricity charges	1,38,43,745	1,42,96,408		
5.3	Travelling & Conveyance	42,68,315	76,31,578	79%	Tour TA as per actual
5.4	Telephone, Telex & Postage (Communication)	32,39,156	87,28,541	169%	The increse in due to adjustment of advice (Rs. 50.57 L) from CO for MPLS Links.
5.5	Advertisement	14,32,925	10,02,716	-30%	Further due to Swach Bharat Abhiyan under CSR&SD the advertisement of tender notices was more in the FY 2015-16. Further due to routine works the expenditure on advertisement in FY 2016-17 was reduced.
5.6	Donation	-	-		
5.7	Entertainment	9,000	14,589	62%	Vary due decrease/ increase in nos of Chief Engineers and above.
	Sub-total (Administrative expenses)	**2,75,68,870**	**3,64,50,225**		
6	**Employee Cost**	-	-		
6.1a	Salaries,wages & allow. -Project	53,04,99,817	73,52,79,255	39%	Exp increased due to provsioning of 3months exp of salary on account of wage revision from Jan-17
6.2	Staff welfare expenses	4,76,36,101	4,28,28,509	-10%	Decrease in the retired employee medical benefit.
6.3	Productivity Linked incentive	2,20,36,278	5,18,50,690	135%	Increase due to payment of arear of PLGI at revised rate from F.Y 2010-11 to F.Y 2013-14 and provision of PLGI for Q4 of FY 2016-17 made on revised pay
6.4	VRS-Ex-gratia	8,35,921	-	-100%	NO VRS case in 2016-17
6.5	Ex-gratia	-	-		
6.6	Performance related pay (PRP)	1,68,55,448	2,26,95,691	35%	Expenditure depend upon the rating of NHPC, KPA and nos of empolyees in the project
	Sub-total (Employee Cost)	**61,78,63,565**	**85,26,54,145**		
7	Loss of Store	-	1,94,425		Rs. 194425 is write off amount against disel/petrol for the year 2015-16 & 2016-17 because MR against each of them were issued in month of April-16 & March 17 respectively.
9.1	Allocation of CO Office expenses	2,25,41,510	4,18,65,759		
10	**Others (Specify Items)**	10,39,09,272	4,85,49,161	-53%	Due to reversal of Water cess & green cess during 2016-17 booked during 2015-16.
11	**Total (1 to 10)**	**1,17,55,34,045**	**1,39,37,98,083**		
12	**Revenue /Recoveries**	2,65,00,879	15,21,14,496		
13	**Net Expenses**	**1,14,90,33,166**	**1,24,16,83,587**		
14	Capital spares consumed not included in A(1) above and not claimed/allowed by commission for capitalisation				

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Sl. No.	ITEMS	2012-13	2013-14	2014-15	2015-16	2016-17
RECONCILIATION STATEMENT :						
						Amount In ₹
X	Total of Annexure-VII (Sr. Nos. : 11)	90,92,53,651	82,87,00,293	97,85,91,674	1,17,55,34,045	1,39,37,98,083
Y	Add: Not included in 'X' above	-	-	-	-	-
i)	Water Usage charges and its license fee	-	-	-	-	-
ii)	RLDC/(POSOCO) Charges & its Registration fee	40,30,070	-	36,93,055	-	-
iii)	Filing fee/ Tariff Petition fee paid to CERC, whereas, review petition fee.	-	72,20,383	-	32,38,356	12,29,391
iv)	Publication fee related to Tariff petition only	-	-	-	-	-
v)	FERV relating to foreign loan.	-	-	-	-	-
vi)	Arrear paid for pay hike	-	-	-	-	-
vii)	Prior period Allocation (less)	-	-	-	-	-
viii)	PROVISIONS	-	2,03,610	13,14,303	-	40,92,694
ix)	BAD DEBTS WRITTEN OFF	-	-	-	-	-
x)	BAD ADVANCES WRITTEN OFF	-	-	-	-	-
xi)	BAD CLAIMS WRITTEN OFF	-	-	-	-	-
xii)	Loss on sale of Assets	1,43,077	1,12,904	7,76,867	1,30,617	47,32,062
xiii)	Interest on Arbitration Award	-	-	-	-	-
xiv)	Losses out of self insurance claims (upto excess clause)	-	1,10,61,204	6,54,08,010	-	-
xv)	**Loss of assets against insurance Claims (beyond excess clause)**	-	-	-	-	-
xvi)	Interest to Beneficiary State	5,46,077	50,49,551	1,13,634	9,33,086	47,71,902
xvii)	Rebate to Customers	11,38,588	8,97,140	7,01,008	14,07,750	15,14,074
xviii)	CSR	54,91,292	63,01,512	29,32,867	2,84,41,730	17,63,411
xix)	**B. Direct Expebditure on Contract, Project Management and Consultancy Works**	-	-	-	-	-
	Total Y	**1,13,49,104**	**3,08,46,304**	**7,49,39,744**	**3,41,51,539**	**1,81,03,534**
Z	**Grand Total (X+Y)**	**92,06,02,755**	**86,95,46,597**	**1,05,35,31,418**	**1,20,96,85,584**	**1,41,19,01,617**
	Balance sheet	-	-	-	-	-
	Employee Cost	54,90,68,367	56,60,94,092	60,01,98,257	63,70,62,735	88,91,71,536
	Generation & Administration Expenses	37,28,29,794	29,39,52,162	45,36,85,281	57,34,76,839	51,72,83,150
	Provisions	-	-	-	-	40,92,694
	Rebate to customer	-	-	-	-	15,14,074
	Allocation of CO and ED office Expenses	-	-	-	-	-
	OTHER INCOME(CO.ED)	(20,52,426)	(10,31,001)	(13,83,850)	(19,27,070)	(20,56,252)
	PRIOR PERIOD	-	-	-	-	1,912
	Provisions	-	-	-	-	-
	FINANCE CHARGES	4,080	4,660	2,590	2,200	4,35,830
	DEPRECIATION	7,52,940	5,26,664	10,09,140	10,70,880	14,58,673
S	**Grand Total**	**920602755**	**869546597**	**1053531418**	**1209685584**	**1411901617**
	Difference (Z-S)	0	0	0	0	0

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APPENDIX-V to
ANNEX-III

Central Electricity Regulatory Commission

New Delhi

Explanatory Memorandum

on

Draft Central Electricity Regulatory Commission

(Terms and Conditions of Tariff) Regulations, 2019

December, 2018

NHPC has provided their employee expenses excluding the impact of the same. Thus, the Commission while normalising the actual O&M expenses has not considered the impact of wage revision on FY 2016-17 and FY 2017-18. The same shall be separately dealt with as per the provisions under the Tariff Regulations.

14.5.23 The actual normalised O&M expenses of hydro generating stations, (except NHPC and NTPC - Koldam), for which actual O&M expenses from FY 2012-13 to FY 2016-17 has been considered are as shown under.

Table 13: Actual O&M expenses for Hydro Stations except NHPC and NTPC

(INR Lakhs)

Particulars	FY 2012-13	FY 2013-14	FY 2014-15	FY 2015-16	FY 2016-17
THDC					
THDC Stage I	20,718.50	19,114.62	22,415.99	23,887.69	22,923.68
KHEP	8,839.09	9,840.67	11,068.78	11,007.63	12,041.48
NHDC					
Indira Sagar	8,034.80	8,723.39	9,152.34	9,676.60	10,443.35
Omkareshwar	4,947.69	5,462.61	5,502.66	5,940.03	6,400.96
SJVNL					
Naptha Jhakari	20,574.10	24,029.89	26,917.30	29,242.30	28,639.42
NEEPCO					
Kopili	9,232.51	10,176.15	8,893.89	10,643.84	9,818.29
Doyang	3,669.45	4,026.08	4,105.11	4,544.20	5,840.43
Ranganadi	9,433.61	8,915.33	7,999.84	12,163.94	8,957.00
DVC					
Maithon	1,909.51	2,361.87	2,049.67	2,253.13	2,777.99
Panchet	1,373.29	1,651.20	1,747.17	1,821.85	2,007.26
Tilaya	614.11	791.37	566.79	644.55	916.20

14.5.24 The actual normalised O&M expenses of the NHPC's hydro generating stations and NTPC - Koldam for which actual O&M expenses from FY 2013-14 to FY 2017-18 has been considered, are shown as under.

Table 14: Actual O&M expenses for NHPC and NTPC Hydro Generating Stations

(INR Lakhs)

Particulars	FY 2013-14	FY 2014-15	FY 2015-16	FY 2016-17	FY 2017-18
NHPC					
Bairasul	7,291.84	7,039.46	6,336.64	6,709.85	6,719.08
Loktak	6,984.86	8,195.88	7,782.03	8,146.72	8,067.43
Salal	14,981.55	17,141.50	15,589.48	16,014.46	15,303.62
Tanakpur	7,493.59	8,189.03	9,040.07	8,458.56	10,113.21
Chamera-I	8,744.26	8,610.34	9,659.24	10,903.34	10,596.63
Uri I	6,811.70	7,619.15	8,514.11	9,111.30	8,582.46
Rangit	3,773.72	3,959.42	4,541.80	4,791.42	4,926.42
Chamera-II	8,238.83	8,073.29	7,800.69	9,673.02	10,193.13
Dhauliganga	5,093.58	6,491.83	8,027.67	7,787.21	8,831.00
Dulhasti	13,711.05	15,515.91	15,228.10	15,964.03	16,081.23
Teesta-V	8,781.00	8,970.43	10,082.88	10,584.25	11,744.73
Sewa-II	4,962.87	5,408.11	6,163.45	5,523.61	7,118.86
TLDP III	5,810.13	4,911.22	6,244.94	6,936.54	7,170.97
Chamera III	7,193.80	6,774.89	6,221.38	8,776.57	8,451.08
Chutak	2,438.02	2,801.51	2,872.03	3,120.20	3,343.60
Nimmo Bazgo	719.95	2,872.43	3,387.69	3,683.29	3,874.05
Uri II	2,638.76	5,751.84	6,519.01	6,971.22	7,207.63
Parbati III	-134.90	6,222.57	6,297.64	7,140.97	7,749.11
NTPC					
Koldam	-	-	6,405.29	11,300.39	10,616.36

14.6 Commission's Proposal – Thermal Generating Stations

14.6.1 After examining r and reviewing comments/suggestions of stakeholders received the Commission has proposed the following.

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Escalation Rate:

14.6.2 The Escalation rate computed based on the five -year average of WPI for FY 2013-14 to FY 2017-18 works out to 1.49%, while that of CPI for the same period works out to 5.76%. Considering the 60:40 weightage for WPI and CPI respectively, the escalation rate works out to 3.20%. The Commission observes that actual O&M expenses after normalisation during the period from FY 2013-14 to FY 2017-18 have increased at a rate of approx. 3.31% for

ANNEX-IV

ANNEX-IV

Details of Consumption of Capital Spares

TANAKPUR POWER STATION

(Amount in Rs)

S.No.	FY	DESCRIPTION OF ITEMS	ACCOUNT HEAD	DATE OF CAPITALISATION	ACQUISITION VALUE	Date of Issue for consumption
Detail of rectifications of capital spares charged off to statement of profit and loss PERIOD 2014-15						
1	2014-15	220 KV, SINGLE PHASE, 5 CORE. CTR 600-300-150/1, OUTDOOR CURRENT TRANSFORMER	410714	14-03-13	446968	
2	2014-15	DIGITAL AUTOMATIC VOLTAGE REGULATOR (DAVR) SUITABLE FOR 11 KV, 40 MW HYDROGENERATOR	410714	14-03-13	5437381	
3	2014-15	LOW VACUUM DEHYDRATION UNIT	410714	23-10-10	255000	
				TOTAL	**6139349**	
Detail of rectifications of capital spares charged off to statement of profit and loss PERIOD 2015-16						
1	2015-16	Propeller Shaft Front-1.4.03	410714	01-04-03	1415	01-04-15
2	2015-16	Propeller Shaft Front-1.4.03	410714	01-04-03	1414	01-04-15
3	2015-16	Propeller Shaft Front-1.4.03	410714	01-04-03	1414	01-04-15
4	2015-16	Propeller Shaft Front-1.4.03	410714	01-04-03	1858	01-04-15
5	2015-16	Propeller Shaft Front-1.4.03	410714	01-04-03	1858	01-04-15
6	2015-16	Propeller Shaft Front-1.4.03	410714	01-04-03	1857	01-04-15
7	2015-16	Propeller Shaft Front-1.4.03	410714	01-04-03	1857	01-04-15
8	2015-16	HS PUMP,36LPM, MAX.PRESSURE 210 KG/CM2,GEAR TYPE FOR HS LUBRICATIONS SYSTEM TANAKPUR	410714	17-03-10	20425	01-04-15
9	2015-16	Thrust Bearing Spring Assy (02.02.09)	410714	02-02-09	15675	01-04-15
11	2015-16	IDLER VALVE (RELIEF & BY PASS VALVE) DIA 70/90 OF PPSET PART NO-306	410714	07-04-10	78750	01-04-15
12	2015-16	REVOLVING SHAFT SLEEV FOR 31.4 MW KAPLAN TURBINE	410714	28-10-09	293413	01-04-15
13	2015-16	Current Transformer (CT) outdoor type for generator bay (21.01.09)	410714	21-01-09	406592	01-04-15
14	2015-16	Current Transformer (CT) outdoor type for generator bay (21.01.09)	410714	21-01-09	406591	01-04-15
15	2015-16	Current Transformer (CT) outdoor type for Line bay (21.01.09)	410714	21-01-09	407770	01-04-15
16	2015-16	Cont. Panel for battery charger (24/11/3)	410713	24-11-03	763491	01-04-15
17	2015-16	ROTOR TEMPERATURE INDICATOR MODEL KR2000	410713	19-03-13	138467	01-04-15
18	2015-16	ROTOR TEMPERATURE INDICATOR MODEL KR2000	410713	19-03-13	138467	01-04-15
19	2015-16	ROTOR TEMPERATURE INDICATOR MODEL KR2000	410713	19-03-13	138469	01-04-15
20	2015-16	Wound Pole Assy.(Cap-02-03)	410714	01-02-01	66612	01-04-15
21	2015-16	Complete Pole Unit Assembly without housing 245 KV 40 KA (11.9.08)	410714	11-09-08	636404	01-04-15

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S.No.	FY	DESCRIPTION OF ITEMS	ACCOUNT HEAD	DATE OF CAPITALISATION	ACQUISITION VALUE	Date of Issue for consumption
22	2015-16	GT OIL PUMP,415V+- 10%,3PH,50 HZ,750 LPM AT 11 MTR. HEAD,1100 LPM AT 7.5 MTR. HEAD.TYPE-4BTL3.	410714	05-09-14	46059	01-04-15
23	2015-16	GV Lever 016(Cap-02-03)	410714	01-02-01	39667	01-04-15
24	2015-16	WOUND ROTOR POLE ASSY., 1-253-02-29104	410714	01-10-12	2477332	31-12-15
25	2015-16	WOUND ROTOR POLE ASSY., 1-253-02-29104	410714	01-10-12	2477332	31-12-15
26	2015-16	WOUND ROTOR POLE ASSY., 1-253-02-29104	410714	01-10-12	2477332	31-12-15
27	2015-16	GT OIL PUMP,415V+- 10%,3PH,50 HZ,750 LPM AT 11 MTR. HEAD,1100 LPM AT 7.5 MTR. HEAD.TYPE-4BTL3.	410714	05-09-14	46059	01-01-16
				TOTAL	**11088005**	

Detail of rectifications of capital spares charged off to statement of profit and loss PERIOD 2016-17

1	2016-17	Thrust Bearing Spring Assy (02.02.09) (79 Nos.)	410714	02-02-09	112575	01-07-16
				TOTAL	**112575**	

Detail of rectifications of capital spares charged off to statement of profit and loss PERIOD 2017-18

1	2017-18	7.5 HP, 950 RPM INDUCTION MOTOR WITH EM BRAKE	411112	26-04-17	70278	31-03-18
				TOTAL	**70278**	

Detail of rectifications of capital spares charged off to statement of profit and loss PERIOD 2018-19

1	2018-19	Guide Vanes Lever Strips(Cap-02-03)	410714	01-02-01	36786	30-04-18
2	2018-19	Guide Vanes Lever Strips(Cap-02-03)	410714	01-02-01	36785	30-04-18
3	2018-19	GV Lever 016(Cap-02-03)	410714	01-02-01	39667	30-04-18
4	2018-19	GV Lever 016(Cap-02-03)	410714	01-02-01	39667	30-04-18
					152905	

NHPC LIMITED FARIDABAD

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ANNEX-V

CENTRAL ELECTRICITY REGULATORY COMMISSION
NEW DELHI

Petition No. 226/GT/2014

Coram:

Shri Gireesh B.Pradhan, Chairperson
Shri A.K.Singhal, Member
Shri A.S. Bakshi, Member

Date of Hearing: 16.07.2015
Date of Order: 19.02.2016

In the matter of

Revision of annual fixed charges for the period 2009-14 after truing-up exercise and Determination of annual fixed charges for the period 2014-19 in respect of Tanakpur Hydroelectric Project (94.2 MW)

And in the matter of

NHPC Ltd,
NHPC Office Complex, Sector 33,
Faridabad – 121003 .....**Petitioner**

Vs

1. Punjab State Power Corporation Limited
The Mall, Secretariat Complex,
Patiala – 147001

2. Haryana Power Purchase Centre,
Shakti Bhawan, Sector, 6
Panchkula – 134109

3. Uttar Pradesh Power Corporation Ltd
Shakti Bhavan, 14, Ashok Marg,
Lucknow – 226001

4. Engineering Department,
UT Secretariat, Sector 9D
Chandigarh-160009

5. Tata Power Delhi Distribution Ltd
Sub-station Building, Hudson Lane
Kingsway Camp,
Delhi –110009

6. BSES Yamuna Power Ltd
Shaktikiran Building, Karkadooma,
Delhi – 110 019

7. BSES Rajdhani Power Ltd
BSES Bhawan, Nehru Place,
New Delhi – 110019

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8. Uttarakhand Power Corporation Ltd,
Urja Bhawan, Kanwali Road,
Dehradun-248001

9. Himachal Pradesh State Electricity Board,
Vidyut Bhawan, Kumar House,
Shimla-171004

10. Jaipur Vidyut Vitaran Nigam Ltd.,
Vidut Bhavan, Janpath,
Jaipur – 302005

11. Ajmer Vidyut Vitaran Nigam Ltd.
Old Power House, Hatthi Bhatta,
Jaipur Road, Ajmer – 305001

12. Jodhpur Vidyut Vitaran Nigam Ltd.
New Power House, Industrial Area,
Jodhpur – 342003

13. Power Development Department,
Civil Secretariat,
Jammu-180001 (J&K) ....**Respondents**

Parties present

Shri A. K. Pandey, NHPC
Shri Piyush Kumar, NHPC
Shri Karpataru Nayak, NHPC
Shri Naresh Bansal, NHPC
Shri R. B. Sharma, Advocate, BRPL

ORDER

This petition has been filed by the petitioner, NHPC, for revision of tariff in respect of Tanakpur Hydro Electric Project (94.2 MW) (the generating station) for the period 2009-14 after truing-up in terms of Regulation 6(1) of the Central Electricity Regulatory Commission (Terms and Conditions of Tariff) Regulations, 2009 ("the 2009 Tariff Regulations") and for determination of tariff for the period 2014-19 in terms of Central Electricity Regulatory Commission (Terms and Conditions of Tariff) Regulations, 2014 ("the 2014 Tariff Regulations").

2. The generating station was commissioned during April, 1993. Petition No. 75/2010 was filed by the petitioner for determination of tariff of the generating station for the period from 1.4.2009 to

31.3.2014 and the Commission by its order dated 10.5.2011 had determined the annual fixed charges for the generating station for the period 2009-14. Subsequently, the annual fixed charges determined by order dated 10.5.2011 were revised by Commission's order dated 15.6.2012 in Review Petition No. 14/2011. Thereafter, the Commission vide its order (corrigendum) dated 9.8.2012 in Review Petition No.14/2011, after correction of certain errors, modified the order dated 15.6.2012. Subsequently, tariff for the period 2009-14 was revised by Commission's order dated 9.6.2014 in Petition No.177/GT/2013 based on the actual additional capital expenditure incurred during the period 2009-12 and revised projections for additional capital expenditure for the period 2012-14. Accordingly, the annual fixed charges allowed for the period 2009-14 by the said order dated 9.6.2014 is as under:

(₹ in lakh)

	2009-10	**2010-11**	**2011-12**	**2012-13**	**2013-14**
Return on Equity	2295.78	2287.79	2292.49	1759.50	1761.33
Interest on Loan	0.00	0.00	0.00	0.00	0.00
Depreciation	888.75	902.06	926.61	942.43	945.04
Interest on Working Capital	298.04	311.40	326.02	330.05	345.81
O & M Expenses	4631.41	4896.32	5176.39	5472.48	5785.51
Total	**8113.98**	**8397.58**	**8721.51**	**8504.46**	**8837.69**

Revision of annual fixed charges for 2009-14

3. Clause (1) of Regulation 6 of the 2009 Tariff Regulations provides as under:

"6. Truing up of Capital Expenditure and Tariff

(1) The Commission shall carry out truing up exercise along with the tariff petition filed for the next tariff period, with respect to the capital expenditure including additional capital expenditure incurred up to 31.3.2014, as admitted by the Commission after prudence check at the time of truing up.

Provided that the generating company or the transmission licensee, as the case may be, may in its discretion make an application before the Commission one more time prior to 2013-14 for revision of tariff."

4. As stated, the petitioner in this petition has claimed revision of tariff for the period 2009-14 based on the actual additional capital expenditure incurred during the years 2012-13 and 2013-14 after truing up in accordance with the 2009 Tariff Regulations and for determination of annual fixed charges for the period 2014-19 in terms of the provisions of the 2014 Tariff Regulations. The petitioner has also sought amendment of the admitted additional capital expenditure and annual fixed charges for the year 2011-12 (allowed vide order dated 9.6.2014) on account of the net reduction of

₹42.00 lakh in 2011-12 towards Digital Automatic Voltage Regulator. Accordingly, the annual fixed charges claimed by the petitioner for the period 2011-14, based on the actual additional capital expenditure incurred during the years 2011-12 to 2013-14 are as under:

(₹ in lakh)

	2011-12	2012-13	2013-14
Return on Equity	927.64	961.14	993.95
Interest on Loan	0.00	0.00	0.00
Depreciation	2293.93	1969.73	2021.71
Interest on Working Capital	326.07	334.83	352.25
O & M Expenses	5176.40	5472.49	5785.51
Annual Fixed Charges	**8724.04**	**8738.19**	**9153.42**

5. In terms of the decision of the Commission in order dated 12.11.2014 in Petition No 237/GT/2014 (NHPC -v-PSPCL & ors), the prayer of the petitioner for truing up of tariff for 2012-14 and determination of tariff for 2014-19 was clubbed and heard on 16.7.2015 and the Commission reserved its orders, after directing the petitioner to submit certain additional information. The petitioner has submitted the additional information with copy to the respondents. The respondents UPPCL and BRPL have filed replies in the matter and the petitioner has filed its rejoinder to the said replies. Accordingly, based on the submissions of the parties and the documents available on record, we proceed to revise the tariff for the period 2011-14 based on truing-up exercise and also for determination of tariff for the period 2014-19 in respect of the generating station as stated in the subsequent paragraphs:

Capital Cost

6. Regulation 7 (1) (a) of the 2009 Tariff Regulations provides as under:

> *"7. Capital Cost. (1) Capital cost for a project shall include: (a) the expenditure incurred or projected to be incurred, including interest during construction and financing charges, any gain or loss on account of foreign exchange risk variation during construction on the loan - (i) being equal to 70% of the funds deployed, in the event of the actual equity in excess of 30% of the funds deployed, by treating the excess equity as normative loan, or (ii) being equal to the actual amount of loan in the event of the actual equity less than 30% of the funds deployed, up to the date of commercial operation of the project, as admitted by the Commission, after prudence check;"*

7. The Commission in its order dated 9.6.2014 in Petition No. 177/GT/2013 had considered the closing capital cost of ₹40276.49 lakh as the opening capital cost as on 1.4.2012 for revision of tariff

for 2009-14. Accordingly, this capital cost has been considered as the opening capital cost as on 1.4.2012 for revision of tariff for the period 2012-14.

8. The petitioner has prayed for revision of annual fixed charges for the year 2011-12 and has submitted as under:

> *"The tariff order in revision petition No. 177/GT/2013 in respect of Tankapur Power Station has been issued by Hon'ble Commission on 09.06.2014. In the revision petition, while determining the AFC for the FY 2011-12, Hon'ble Commission has allowed additional capital expenditure of Rs. 5.25 lakhs (Rs. 47.25 lakh– Rs. 42.0 lakhs) on account of Digital Automatic Voltage Regulator, whereas, the deletion of Rs. 47.25 lakhs has also been affected in the tariff order, resulting into a net reduction of Rs.42.0 Lakhs in the capital cost. We have requested the Hon'ble Commission vide our letter No. NH/Comml/Tariff/296/2014/ 1374 dtd.17.06.2014 for correction / modification of the error as per regulation 103 (1) of CERC (Conduct of Business) (Amendment) Regulation, 2009".*

9. The submissions have been examined. Regulation 7(1)(c)of the 2009 Tariff Regulations provides for reduction from capital base of the generating station, the gross value of the assets removed from service. It is pertinent to mention that the reduction of ₹42.00 lakh in the capital base represents the gross value of old digital voltage regulator removed from service and the same is in conformity with the above regulations. Accordingly, the prayer of the petitioner for increase in capital cost by ₹42.00 lakh and the consequent revision of tariff for the year 2011-12 merit no consideration.

Actual Additional Capital Expenditure (2012-13 and 2013-14)

10. Regulation 9 (2) of the 2009 Tariff Regulations, as amended on 21.6.2011 and 31.12.2012, provides as under:

> *"9. (2) The capital expenditure incurred or projected to be incurred on the following counts after the cut-off date may, in its discretion, be admitted by the Commission, subject to prudence check:*
>
> *(i) Liabilities to meet award of arbitration or for compliance of the order or decree of a court;*
>
> *(ii) Change in law;*
>
> *(iii)Deferred works relating to ash pond or ash handling system in the original scope of work;*
>
> *(iv) In case of hydro generating stations, any expenditure which has become necessary on account of damage caused by natural calamities (but not due to flooding of power house attributable to the negligence of the generating company) including due to geological reasons after adjusting for proceeds from any insurance scheme, and expenditure incurred due to any additional work which has become necessary for successful and efficient plant operation; and*
>
> *(v) In case of transmission system any additional expenditure on items such as relays, control and instrumentation, computer system, power line carrier communication, DC batteries, replacement of*

switchyard equipment due to increase of fault level, emergency restoration system, insulators cleaning infrastructure, replacement of damaged equipment not covered by insurance and any other expenditure which has become necessary for successful and efficient operation of transmission system:

Provided that in respect sub-clauses (iv) and (v) above, any expenditure on acquiring the minor items or the assets like tools and tackles, furniture, air-conditioners, voltage stabilizers, refrigerators, coolers, fans, washing machines, heat convectors, mattresses, carpets etc. brought after the cut-off date shall not be considered for additional capitalization for determination of tariff w.e.f. 1.4.2009.

(vi) In case of gas/liquid fuel based open/ combined cycle thermal generating stations, any expenditure which has become necessary on renovation of gas turbines after 15 year of operation from its COD and the expenditure necessary due to obsolescence or non-availability of spares for successful and efficient operation of the stations.

Provided that any expenditure included in the R&M on consumables and cost of components and spares which is generally covered in the O&M expenses during the major overhaul of gas turbine shall be suitably deducted after due prudence from the R&M expenditure to be allowed.

(vii) Any capital expenditure found justified after prudence check necessitated on account of modifications required or done in fuel receipt system arising due to non-materialisation of full coal linkage in respect of thermal generating station as result of circumstances not within the control of the generating station.

(viii) Any un-discharged liability towards final payment/withheld payment due to contractual exigencies for works executed within the cut-off date, after prudence check of the details of such deferred liability, total estimated cost of package, reason for such withholding of payment and release of such payments etc.

(ix) Expenditure on account of creation of infrastructure for supply of reliable power to rural households within a radius of five kilometers of the power station if, the generating company does not intend to meet such expenditure as part of its Corporate Social Responsibility."

11. The actual additional capital expenditure claimed by the petitioner as against the projected additional capital expenditure allowed for the period 2012-14 in order dated 9.6.2014 in Petition No.177/GT/2013 is as under:

(₹ in lakh)

	2012-13	2013-14
Projected additional capital expenditure allowed	46.59	23.42
Actual additional capital expenditure claimed	630.07	405.93

12. The reconciliation of actual additional capital expenditure claimed with respect to additional capital expenditure as per books of accounts duly certified by auditor for the period 2012-14 is summarized as under:

(₹ in lakh)

Sl. No.		Actual	
		2012-13	2013-14
1	**Addition/Deletions being claimed**		
a	**Additions**		
i	Capitalization against works projected and allowed for additional capitalization during 2009-14	355.65	310.68
ii	Not projected/not allowed but capitalized due to actual site requirements (being claimed for additional capitalization)	24.50	83.17
iii	IUT Transfer	356.10	0.00
	Total 1(a)	**736.25**	**393.85**
b	**Deletion**		
i	Deletion of Assets on account of replacement of assets	(-) 1.84	(-) 35.05
ii	Consumption of capital spares (deletion to be claimed)	(-) 48.14	0.00
iii	IUT deletion claimed	0.00	(-)1.24
iv	Transfer to Obsolete a/c	(-) 0.50	(-) 0.76
	Total 1 (b)	**(-) 50.47**	**(-) 37.04**
c	**Net addition to be claimed 1(c) = 1(a) – 1(b)**	**685.78**	**356.81**
2	**Additions/Deletions not claimed**		
a	**Additions**		
i	Not projected/not allowed but capitalized due to actual site requirements	1454.48	50.85
ii	Transfer to obsolete a/c	1.61	23.29
iii	On account of Adjustment / reclassification	9.16	0.00
iv	IUT Transfer	13.77	1.97
	Total 2 (a)	**1479.01**	**76.11**
b	**Deletion**		
i	Consumption of capital spares (deletion not be claimed/Under exclusion category)	(-)1302.08	(-)10.05
ii	Inter head adjustments/rectification	(-)17.34	0.00
iii	Sale of assets from obsolete	0.00	(-) 4.07
iv	Transfer to obsolete (deletion for minor assets/tools/tackles etc. which are not considered by CERC for add-cap)	(-) 23.41	(-)11.39
v	IUT Transfer	0.00	(-) 1.48
	Total 2 (b)	**(-) 1342.82**	**(-) 26.98**
c	Net capitalization (addition-deletion) kept under exclusion category 2(c) = 2(a) – 2(b)	136.19	49.12
3	Net additional capitalization (including IUT) as per Books of accounts	821.97	405.93
4	**Net Additional Capital expenditure claimed**		
i	Net additional capitalization as above **1 (c)**	**685.78**	**356.81**
	Add: Liability discharged during the year for additional capitalization **in** 2009-12	3.54	0.00
	Less: Un-discharged liability for the additional capitalization 2012-14	0.00	20.20
	Less: Assumed deletion of asset as new asset taken in replacement	59.25	4.93
	Net Additional capital expenditure claimed	**630.07**	**331.68**

**Note: Figures rounded of the nearest value*

13. Based on the above reconciliation, the year-wise admissibility of the additional capital expenditure under various heads is examined as stated in the subsequent paragraphs:

Additions against works already approved

14. The year-wise actual additional capital expenditure claimed as against the projected capital expenditure on works allowed by the Commission is as under:

(₹in lakh)

2012-13	2013-14
355.65	310.68

2012-13

15. The details of works/assets, the additional capital expenditure allowed for these works/ actual additional capital expenditure against these works along with reasons for admissibility of the actual additional capital expenditure in terms of 2009 Tariff Regulations is as under:

(₹in lakh)

	Assets/works	Amount allowed on projected basis	Actual expenditure incurred/ claimed	Justification for admissibility of expenditure
1	625 KVA DG set with control panel	60.00	99.48	The Commission vide order dated 10.5.2011 in Petition No.75/2010 had allowed a total expenditure of ₹100 lakh for 3 nos. of DG set during the period 2009- 14. Hence, actual expenditure is **allowed** under Regulation 9(2) (iv) of the 2009 Tariff Regulations. The gross value of the old asset for ₹11.44 lakh has been considered under "Assumed Deletions".
Total claimed			**99.48**	
Total allowed				**99.48**

Works allowed in previous years but capitalized in 2012-13

16. The details of works/assets, the projected additional capital expenditure allowed for these works along with reasons for admissibility of the actual additional capital expenditure in terms of 2009 Tariff Regulations are as under:

(₹in lakh)

Sl. No	Assets/works	Amount allowed on projected basis	Actual expenditure incurred/ claimed	Justification for admissibility of expenditure
1	Digital Automatic Voltage Regulator (DAVR) - **02 nos.**	110.00	0.00	**Not allowed** as the assets have been purchased as capital spares. However, as one of the two DVRs purchased has been used, the deletion value of ₹42.00 lakh is considered as the value of the

				old asset under "Assumed deletions".
2	Fire tender	23.00	12.75	**Allowed** under Regulation 9(2) (iv) as the asset/work was already approved by Commission vide its order dated 10.5.2011 in Petition No. 75/2010. The gross value of the old asset for ₹0.90 lakh has been considered under "Assumed deletions"
3	Mobile crane 20 MT capacity	90.00	105.15	**Allowed** under Regulation 9(2) (iv) as the asset/work was already approved by Commission vide Order dated 10.5.2011 in Petition No. 75/2010. The gross value of the old asset for ₹1.06 lakh is considered under "Assumed Deletions".
4	CO_2 type fire extinguisher trolley mounted with hose pipe, 22.5 kg capacity	45.00	3.88	**Allowed** under Regulation 9(2) (iv) as the asset/work was already approved by Commission vide order dated 10.5.2011 in Petition No. 75/2010. The gross value of the old asset for ₹11.44 lakh is considered under "Assumed Deletions".
5	D.C.P. type fire extinguisher, 4.5/5 kg. capacity		0.98	
6	Fire extinguisher-ABC powder-1 kg		0.32	
7	ABC type fire extinguisher 2 kg.		0.29	
8	Carbon dioxide fire extinguisher 4.5 kg		1.17	
9	Rotor Temperature indicator	15.00	4.15	**Allowed** under Regulation 9(2) (iv) of the 2009 Tariff Regulations as the asset/work was already approved by Commission vide order dated 10.5.2011 in Petition No. 75/2010. The gross value of the old asset for ₹1.23 lakh is considered under "Assumed Deletions".
Total claimed			**256.17**	
Total allowed				**128.68**

2013-14

17. The details of works/assets, the projected additional capital expenditure allowed for these works along with reasons for admissibility of the actual additional capital expenditure in terms of 2009 Tariff Regulations is as under:

(₹in lakh)

Sl. No	Assets/works	Amount allowed on projected basis	Actual expenditure incurred/ claimed	Justification for admissibility of expenditure
1	Truck (one no.)	15.00	13.70	**Allowed** under Regulation 9(2) (iv)

				of the 2009 Tariff Regulations as the asset/work was already approved by Commission vide order dated 10.5.2011 in Petition No. 75/2010. The gross value of the old asset for ₹4.26 lakh is considered under "Deletions".
2	Cooling water pump	8.00	7.71	**Allowed** under Regulation 9(2) (iv) of the 2009 Tariff Regulations as the asset/work was already approved by Commission vide order dated 10.5.2011 in Petition No. 75/2010. The gross value of the old asset for ₹2.50 lakh is considered under "Assumed Deletions".
Total claimed			**21.41**	
Total allowed				**21.41**

Works allowed in previous years but capitalized in 2013-14

18. The details of works/assets, the additional capital expenditure allowed for these works / actual additional capital expenditure against these works along with reasons for admissibility of the actual additional capital expenditure in terms of 2009 Tariff Regulations is as under:

(₹ in lakh)

Sl. No	Assets/works	Amount allowed on projected basis	Actual expenditure incurred/ claimed	Justification for admissibility of expenditure
1	Fire Tender	23.00	14.27	**Allowed** under Regulation 9(2) (iv) of the 2009 Tariff Regulations as the asset was already approved by Commission vide order dated 10.5.2011 in Petition No. 75/2010.
2	Truck (2 nos.)	30.00	19.20	**Allowed** under Regulation 9(2) (iv) of the 2009 Tariff Regulations as the asset was already approved by Commission vide order dated 10.5.2011 in Petition No. 75/2010. The de-capitalization value of the old asset for ₹6.53 lakh is considered under regular "Deletions".
3	Motor Boat	12.00	7.65	**Allowed** under Regulation 9(2) (iv) as the asset was already approved by Commission vide order dated 10.5.2011 in Petition No. 75/2010. The de-capitalization value of the old asset for ₹0.32 lakh is considered as under "Assumed Deletions".

4	Truck mounted 65 MT crane	300.00	232.76	**Allowed** under Regulation 9(2) (iv) as the asset was already approved by Commission vide order dated 10.5.2011 in Petition No. 75/2010. The de-capitalization value of the old asset for ₹1.79 lakh is considered under "Assumed Deletions".
5	42 seater bus	15.00	13.85	**Allowed** under Regulation 9(2) (iv) of the 2009 Tariff Regulations as the asset/work was already approved by Commission vide order dated 10.5.2011 in Petition No. 75/2010. The de-capitalization value of the old asset for ₹8.23 lakh is considered under regular "Deletions".
6	PA system for Power House	4.00	1.54	**Allowed** under Regulation 9(2) (iv) of the 2009 Tariff Regulations as the asset/work was already approved by Commission vide order dated 10.5.2011 in Petition No. 75/2010.
Total claimed			**289.27**	
Total allowed				**289.27**

Capital expenditure not projected/allowed by the Commission, but incurred and claimed

19. The details of works/assets, the additional capital expenditure incurred against new works/ assets along with reasons for admissibility of the actual additional capital expenditure in terms of 2009 Tariff Regulations is as under:

2012-13

(₹in lakh)

Sl. No	Assets/works	Actual expenditure incurred / claimed	Justification submitted by petitioner	Admissibility of expenditure
1	Digital Megger	1.82	One no. Digital insulation resistance tester has been purchased for an amount of ₹1.82 lakh to replace old and obsolete megger. De-capitalization of the old asset is under process and therefore proposed deletion value of old item of ₹1.21 lakh has been considered as assumed deletion.	**Not allowed** as the assets are in the nature of "Tools & Tackles".
2	Ultimate sampling system for moisture in oil measurement	2.81	This instrument was required for online measurement of moisture in transformer oil. Previously available instrument for moisture	

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			measurement for transformer oil was offline and shut down of machine was required for collection of oil sample. With the purchase of new instrument, we do not have to wait for the shutdown of machine for sampling of oil for moisture measurement and thus supply from the plant is not affected. Old instrument shall be used in the power station as per need to check the moisture content of others service transformer (located outside power house) of Power station.	
3	Current Transformer	4.47	This item is essential for switchyard of power station. The total 24 nos of CT installed in Power station. In case of any failure, these items need to be replaced with new CT immediately to continue power supply in grid. These assets not readily available in the market. Minimum spare needs to be kept in Power station. Therefore item has been purchased.	**Not allowed** as the asset is in the nature of spares.
4	Oil Filtration Plant	4.13	Replacement of old and obsolete item, new item has been purchased for filtration of transformer oil. Old item has been deleted from HOA.	**Allowed** under Regulation 9(2)(iv) of the 2009 Tariff Regulations, on replacement, since the asset is considered necessary for successful and efficient operation of the plant. The gross value of the replaced asset is considered as ₹1.84 lakh and de-capitalized under regular "deletions".
5	Paperless Temperature Scanner	4.57	Temperature monitoring of bearings pads is very essential parameter of a machine to avoid any tripping or generation loss. Old dial gauge meters installed at the time of commissioning power station are very old and do not give precise readings. To get correct temperature reading of bearing pads in order to avoid tripping, Paperless temperature scanner has been purchased.	**Not allowed** as the asset is in the nature of O&M expenses.

6	Air Conditioner (2 Ton)	0.84	Tanakpur Power station is surface power house and ambient temperature of generator floor is quite high. Newly installed DAVRs are Electronic card based and require additional cooling for proper functioning. In view of this, .these assets has been purchased and installed near DAVR panel.	**Not allowed** as the asset is minor in nature
7	Hand Held Search Light	0.28	Hand held search light has been purchased for CISF Personnel for night surveillance of Power Station, to monitor any untoward incident in and around the power station area.	
8	Hospital Equipments	1.54	The petitioner has justified that the assets purchased under this head are for regular checkup and emergency treatment of the employees.	**Allowed** under Regulation 9(2)(iv) of the 2009 Tariff Regulations, since the asset/work is for the benefit of the employees working in the remote location of the generating station and will facilitate in successful and efficient operation of the generating station.
9	Toilet at Central Store	1.50	Toilet has been constructed at Central store as there was no toilet was available there.	**Not allowed** as the assets are in the nature of O&M/minor assets
10	Fabrication / shed at petrol pump	1.82	Power station has a Petrol pump since commissioning and no roof was available so that shed has been provided on pump station.	
11	CCTV camera with accessories at Admin Building	0.74	Continuous surveillance is required to prevent any untoward incident in administrative building where important documents, Assets etc are available. Therefore, CCTV has been installed in administrative building for security purpose.	
Total claimed		**24.50**		
Total allowed				**5.67**

2013-14

(₹ in lakh)

Sl. No.	Assets/works	Actual expenditure incurred/ claimed	Justification submitted by the petitioner	Remarks for admissibility
1	Dragon light with charger - (6) nos.	0.34	Dragon light has been purchased for power house control room and different floor areas where DC supply illumination is not available in case of power failure.	**Not allowed** as the asset is minor in nature
2	Digital oscilloscope , 4-channel, 50 hz with accessories	3.19	Digital oscilloscope, 4 channel, 50 hz with accessories used in DAVRs for display AC/DC waveforms, has been purchased under replacement. De-capitalization of old asset is under process.	**Not allowed** as the assets are in the nature of "Tools & Tackles".
3	PA horn speaker	0.41	Part of PA system of power house for proper functioning.	**Not allowed** as the asset is minor in nature
4	Welding set, Thyristor based rectifier, 3-phase 415volt, current range upto 400 amp	0.61	Power station being located in Himalayan region on Sharda river, inflow contains huge silt particles mainly during monsoon period. Silt laden water damages /corrodes under water components such as Guide vanes, runner blades etc. During maintenance of machine, substantial welding works of underwater components is required. Considering this fact, welding machine has been purchased.	**Not allowed** as the assets are in the nature of "Tools & Tackles". Also, the capitalization of the said assets were not allowed by Commission's order dated 10.5.2011 in Petition No. 75/2010.
5	Welding set, inverter based rectifier, 3-phase 415volt, current range upto 400 amp	0.53		
6	Tata LPK 909 EX BS III - flat body tipper	10.90	One no. TATA LPK 909 EX BS III-flat body tipper has been purchased for an amount of ₹10.90 lakh to replace old and obsolete tipper. De-capitalization of old asset amounting to ₹47,415/-has been done in 2013-14.	**Allowed** under Regulation 9(2)(iv) of the 2009 Tariff Regulations on replacement basis, as the asset is necessary for successful and efficient operation of the generating station. The gross value of the replaced asset is considered as ₹0.47 lakh and the old asset is de-capitalized under regular "deletions".
7	Swaraj Mazda, six seater, (dual cab), Euro-III, Turbo charged (2 nos.)	21.00	This has been purchased under replacement of TATA mobile. Cost of old asset amounting to ₹4.26 lakh may be consider for deletion.	**Allowed** under Regulation 9(2)(iv) of the 2009 Tariff Regulations on

				replacement basis since the asset is considered necessary for successful and efficient operation of the plant. The gross value of the replaced asset is considered as ₹4.26 lakh and the old asset is being de-capitalized under regular "Deletions".
8	Hospital Equipments	9.85	Assets purchased under this head are for regular check-up and emergency treatment of the employees.	**Allowed** under Regulation 9(2)(iv) of the 2009 Tariff Regulations, since the asset/work is for the benefit of the employees working in the remote location of the generating station and will facilitate the successful and efficient operation of the generating station.
9	LAN system (OFC)	17.23	Existing LAN SYSTEM are being utilized since 2003 in the project. Presently these LAN systems are not working properly and are giving trouble in operation. Therefore, new OFC cables have been used to enhance the LAN System for better communication.	**Allowed** under Regulation 9(2)(iv) of the 2009 Tariff Regulations as the asset is considered necessary for successful and efficient operation of the generating station.
10	CCTV for Dam	10.73	Tanakpur Power Station located at Indo-Nepal border which shall be open for all people. To meet out the security threat, CCTV installed at DAM site area for watching nearby movement.	**Allowed** under Regulation 9(2)(iv) of the 2009 Tariff Regulations as the same is necessary for the safety of the plant which will ensure the efficient operation of the generating station.

11	Submersible pump 7.5 hp 03 ph, 415 volt, 50 Hz portable type solid /sewage handling, Kirloskar, CW 550 - (4 nos)	3.20	These pumps have been purchased for restoration of damages of civil structure work of barrage and power channel which were damaged due to unprecedented flood in 2013.	**Allowed** under Regulation 9(2)(iv) of the 2009 Tariff Regulations as the same is essential for the safety of the plant which will ensure the efficient operation of the plant. An amount of ₹2.50 lakh is considered as the de-capitalization value of the old asset under "assumed deletions".
12	Submersible pump 5 hp 03 phase, 415volt, 50 Hz portable type solid/sewage handling	0.67		
13	Control panel for 5 hp submersible pump set - (5 nos.)	0.29		
14	Submersible pump 3 hp Mody-M204T	4.24	Due to increases of water leakage in turbine top cover of machine, it has become necessary to make arrangement of additional pumps for uninterrupted generation of power.	
	Total claimed	**83.17**		
	Total allowed			**78.11**

20. The petitioner has claimed additional capital expenditure of ₹356.10 lakh on account of Inter-unit transfer in 2012-13. In this regard, the petitioner was directed the following:

> *'An amount of ₹356.10 lakh has been capitalized and claimed on account of inter unit transfer of assets such as land, roads & Bridges, Building and water supply system from Dhauliganga HEP to Tanakpur HEP. However, same amount of ₹356.10 lakh has been de-capitalized in the books of Dhauliganga in your petition No. 230/GT/2014 for the purpose of "Shifting of L.O at Lucknow" to Tanakpur HEP. In view of the fact that assets mentioned are not physically transferable, clarification as to how capitalization of expenditure pertaining to Liaison Office situated in Lucknow finds mention in the books of Tanakpur HEP to be submitted'.*

21. In response, the petitioner vide affidavit dated 9.1.2015 has submitted as under:

> *'The control function of Liaison office, Lucknow was transferred to Tanakpur Power station from Dhauliganga Power station vide our office order dated 22 Nov'2012. Accordingly, assets of liaison office have been transferred'.*

22. It is pertinent to mention that the generating companies use Liaison Office/Corporate office / Regional offices for various functions such as (i) operations of the existing plants (ii) construction of new plants (iii) consultancy services, etc., In our view, the capital cost incurred on the creation of these offices cannot form part of the generating station. It is pertinent to mention that in order dated 26.4.2006 in Petition No. 3/2006, the Commission had considered this issue and had disallowed the expenditure on creation of "Corporate office and other offices" in respect of the generating stations of NTPC. This decision was also followed by the Commission while determining the tariff of Nathpa

Jhakri plant of SJVNL for the period 2009-14 in order dated 20.6.2014 in Petition No. 168/GT/2013 wherein the O&M expenses (including depreciation) incurred was allowed to be recovered by way of allocation of the corporate O&M expenses to various plants under operation and for plants under construction. In line with the said decisions, the expenditure claimed by the petitioner has not been allowed for the purpose of tariff. Accordingly, the additional capital expenditure of `356.10 lakh claimed by the petitioner towards the transfer of liaison office has been disallowed.

Deletions

23. The following year-wise expenditure has been de-capitalized by the petitioner on account of new assets purchased during the year, consumption of capital spare, Inter Unit Transfer and transfer to obsolete account. The details of deletions claimed for the period 2012-14 are as under:

(₹in lakh)

	2012-13	**2013-14**
Deletion of Assets on account of replacement of assets	(-)1.84	(-) 35.05
Consumption of capital spares (deletion to be claimed)	(-) 48.14	0.00
Inter-Unit Transfer deletion to be claimed	0.00	(-)1.24
Transfer to Obsolete a/c	(-) 0.50	(-) 0.76
Total	**(-) 50.47**	**(-) 37.04**

24. It is observed that an amount of (-) ₹48.14 lakh has been de-capitalized by the petitioner in 2012-13 against consumption of capital spares i.e. Digital Automatic Voltage Regulator (DAVR). This amount represents the purchase cost of new DVR and has been de-capitalized on consumption with consequent booking to O&M expenses. The petitioner has submitted that the asset was purchased as capital spares during 2012-13 and had been consumed in the same year, thereby causing zero net effect. As such, this de-capitalization has been excluded/ignored for the purpose of the tariff as capitalization of new assets has been disallowed in para 16 of this order, considering the same to be capital spares. Other deletions claimed by the petitioner have been allowed as the old assets deleted from books of accounts do not render any useful service in the operation of the generating station. Accordingly, the deletions considered for the purpose of tariff is as under:

(₹in lakh)

	2012-13	2013-14
Deletion of Assets on account of replacement of assets	(-)1.84	(-) 35.05
Consumption of capital spares (deletion to be claimed)	0.00	0.00
IUT deletion	0.00	(-)1.24
Transfer to obsolete a/c	(-) 0.50	(-) 0.76
Total	**(-) 2.34**	**(-) 37.04**

Exclusions in additions (incurred, capitalized in books but not to be claimed for tariff purpose)

25. The following year-wise expenditure has been incurred by the petitioner on replacement of minor assets, purchase of capital spares, purchase of miscellaneous assets, additions on inter-unit transfers of minor assets, on account of adjustment, transfer to obsolete, etc.

(₹in lakh)

	2012-13	2013-14
Exclusions in additions (incurred, capitalized in books but not to be claimed for tariff purpose)	1479.01	76.11

26. The expenditure incurred towards procurement/replacement of minor assets and procurement of capital spares after the cut-off date is not permissible in terms of the 2009 Tariff Regulations. Accordingly, the petitioner has considered these additions under exclusion category. As such, the exclusions of the positive entries under the head are in order and are allowed.

Exclusions in deletions (de-capitalized in books but not to be considered for tariff purpose)

27. The petitioner has de-capitalized expenditure in books of accounts pertaining to capital spares, minor assets such as computers, office equipment, furniture, pumps, fixed assets of minor value less than ₹5000, inter-head adjustments, transfer to obsolete, sale of asset from obsolete, etc., as these are not in use on account of these assets becoming unserviceable/obsolete and also made deletion on account of inter-unit transfer of minor assets, as under:

(₹In lakh)

	2012-13	2013-14
Consumption of capital spares (deletion not claimed/under exclusion category)	(-)1302.08	(-)10.05
Inter head adjustments/rectification	(-)17.34	0.00
Sale of assets from obsolete	0.00	(-) 4.07
Transfer to obsolete (deletion for minor assets/tools/tackles etc. which are not considered for additional capitalization)	(-) 23.41	(-)11.39
IUT Transfer of minor assets	0.00	(-)1.48
Total	**(-)1342.82**	**(-) 26.98**

28. The petitioner has prayed that the negative entries may be ignored/ excluded for the purpose of tariff as the corresponding positive entries for purchase of such assets are not being allowed for the purpose of tariff in terms of the provisions of the 2009 Tariff Regulations. In support of this, the petitioner has referred to the observations of the Commission in order dated 7.9.2010 in Petition No.190/2009 as under:

> *"20. After careful consideration, we are of the view that the cost of minor assets originally included in the capital cost of the projects and replaced by new assets should not be reduced from the gross block, if the cost of the new assets is not considered on account of implication of the regulations. In other words, the value of the old assets would continue to form part of the gross block and at the same time the cost of new assets would not be taken into account. The generating station should not be debarred from servicing the capital originally deployed on account of procurement of minor assets, if the services of those assets are being rendered by similar assets which do not form part of the gross block."*

29. The respondent, BRPL vide its reply dated 8.7.2015 has submitted that the minor assets/spares which are de-capitalized is required to be adjusted in the capital cost as per proviso under Regulation 7(1)(c) of the 2009 Tariff Regulations. It has also submitted that the petitioner has not deleted this de-capitalization from the capital cost (as in Annexure-II to Form-9) and hence not complied with the express provisions of the 2009 Tariff Regulations, but has only adjusted the additional capitalization not to be claimed (nature of minor assets) with the de-capitalization mentioned, thereby not giving full play to the said proviso. The respondent has further submitted that the order dated 7.9.2010 refers to the tariff period 2004-09 and cannot be applied to the instant case which is covered by the provisions of the 2009 Tariff Regulations. Referring to the judgment dated 1.7.2014 of the Appellate Tribunal for Electricity (the Tribunal) in Appeal No. 169/2013 (GRIDCO Ltd v Bhushan Power Ltd), the respondent has stated that the Commission has no power to add, substitute or delete any provision of the regulation. The respondent vide its additional reply dated 21.7.2015 has pointed out that the order of the Commission dated 20.4.2011 in Petition No.183/2009 disallowing NTPC to retain the capital value of the assets like wagons which were earlier de-capitalized in the books of accounts have been affirmed by the Tribunal vide its judgment dated 2.1.2013 in Appeal No. 84/2011 and is applicable in the instant case. Accordingly, the respondent has stated that the order dated 7.9.2010 followed by the petitioner is not applicable on this issue and the same may be rejected by the Commission. In

response, the petitioner vide its rejoinder dated 6.8.2015 has clarified that the submission of the respondent BRPL that the de-capitalization of minor assets, tools & tackles, furniture & fixtures is required to be adjusted in the capital cost as per proviso to Regulation 7(1)(c) of the 2009 Tariff Regulations is incorrect, since the said proviso is applicable in case of the assets which are allowed by the Commission under Regulation 7, 8 and 9 of the 2009 Tariff Regulations. The petitioner has also submitted that the items proposed under deletion are not part of the capital cost and hence the costs of these assets are not to be deducted from capital cost. The petitioner has further stated that on a combined reading of Regulation 7, 8 and 9 of the 2009 Tariff Regulations, it is clear that those assets which are forming part of the capital cost of hydro generating stations [(i.e actual expenditure upto the cut-off date and within the original scope including initial spares for new generating stations & additional capitalization allowed under Regulation 9(2)], if declared as not in use would be taken out from capital cost.

30. We have examined the matter. It is noticed that the provisions of both the 2004 and the 2009 Tariff Regulations provide that the expenditure on minor items/assets, tools and tackles etc procured after the cut-off date shall not be considered for additional capitalization for determination of tariff. It is observed that the judgment of the Tribunal in NTPC case pertained to wagons which are capital assets and are permitted to be capitalized as per the regulations. In the judgment, the Tribunal had observed that since the wagons had been de-capitalized, the gross value of the de-capitalized wagons was to be deducted from the capital cost. Para 10 of the judgment is quoted as under:

> *"10. These Regulations would indicate that the capital cost of generating station is a cost which was incurred in commissioning the plant and any other additional expenditure made for efficient running of the plant. The tariff of the Generating Stations is determined on cost plus basis meaning thereby that any capital expenditure incurred which will enhance the efficiency of the plant will be capitalized and the tariff will be determined accordingly. Similarly, if any asset is taken out of service, then its gross value will be deducted from the capital cost of the plant. The Appellant has claimed to retain the de-capitalized amount in respect of wagons and capitalized spares during the period 2008-09. If the equipment is not rendering any service, the same cannot be retained in the capital cost for the purpose of tariff as no benefit out of the same is being given to the beneficiaries."*

31. The present case is distinguishable from the facts of the case which was decided in the said appeal. The minor assets are not considered as capital assets and are not permitted to be capitalised after the cut-off date. In our view, since the cost of new assets would not be taken into account by implication of the regulations, the value of old assets should be permitted to continue to form part of the gross block. In other words, if the cost of the new assets is not considered on account of implication of the regulations, the cost of minor assets originally included in the capital cost of the projects and replaced by new assets should not be reduced from the gross block. The generating station should not be debarred from servicing the capital originally deployed on account of procurement of minor assets, if the services of these assets are being rendered by similar assets which do not form part of the gross block. In this background and in line with the decision of the Commission in order dated 7.9.2010, the negative entries corresponding to the deletion of minor assets are allowed to be excluded/ ignored for the purpose of tariff.

32. The petitioner has excluded amounts of (-) ₹1302.08 lakh and (-) ₹10.05 lakh for the years 2012-13 and 2013-14 respectively for de-capitalization of capital spares. As regards the prayer of the petitioner for exclusion of negative entries corresponding to de-capitalization of capital spares, it is observed that the expenditure on minor assets and capital spares are not allowed to be capitalized after the cut-off date in terms of the 2009 Tariff Regulations. While the recovery of expenditure on capital spares is allowed through O&M expenses on consumption, the recovery of additional expenditure on minor assets beyond the cut-off date is neither allowed to be capitalized nor permissible under O&M expenses. Hence, the observations of the Commission in order dated 7.9.2010 is not applicable in respect of de-capitalization of spares. It is noticed from Petition Nos.187/2009 and 177/GT/2013 filed by the petitioner for the period 2006-09 and 2009-12, respectively and the present petition for the period 2012-14 that the capital spares de-capitalized in books of accounts during the period 2012-14 are the ones which were not allowed to be considered in the capital base for the purpose of tariff. In other words, positive entries arising out of their purchase were also excluded/ ignored for the purpose of tariff. Accordingly, the exclusion/ignoring of negative

entries arising out of de-capitalization of capital spares for the purpose of tariff has been allowed. The exclusion of negative entries arising due to inter-head adjustments is also allowed as the positive adjustments have also been excluded/ ignored. Similarly, exclusion of negative entries arising due to inter-unit transfer of minor assets is allowed as the capitalization of these minor assets are not allowed after the cut-off date. In view of this, the following amounts have been excluded/ ignored for the purpose of tariff as under:

(₹ In lakh)

	2012-13	2013-14
Consumption of capital spares (deletion not be claimed/Under exclusion category)	(-)1302.08	(-)10.05
Inter head adjustments/rectification	(-)17.34	0.00
Sale of assets from obsolete	0.00	(-)4.07
Transfer to obsolete (deletion for minor assets/tools/tackles etc. which are not considered for additional capitalization)	(-)23.41	(-)11.39
IUT Transfer	0.00	(-)1.48
Total	**(-)1342.82**	**(-)26.98**

Assumed deletions

33. As per consistent methodology adopted by the Commission, the expenditure on replacement of assets, if found justified is allowed for the purpose of tariff provided that the capitalization of the said asset is followed by the de-capitalization of the original value of the old asset. However, in certain cases where de-capitalization is affected in books during the following years, to the year of capitalization of new asset, the de-capitalization of the old asset for the purpose of tariff is shifted to the very same year in which the capitalization of the new asset is allowed. Such de-capitalization which is not a book entry in the year of capitalization is termed as "Assumed deletion". The amounts considered by the petitioner under this head are as under:

(₹ in lakh)

2012-13	2013-14
(-) 59.25	(-) 4.93

2012-13

34. Against the expenditure towards replacement of 2 nos. of Digital Automatic Voltage Regulator (DAVR) in 2012-13, the petitioner has de-capitalized one no. of DAVR in books of accounts. The Commission vide order dated 10.5.2011 in Petition No. 75/2010 had considered the amount of ₹42.00

lakh as the de-capitalization value of the old asset. Accordingly, the amount of (-) ₹42.00 lakh has been considered as 'assumed deletion' for second DAVR. Further, the de-capitalization claimed by the petitioner against the replacement of digital megger, rotor temperature indicator and paperless temperature scanner has not been considered, since the capitalization of these assets has not been allowed. However, the de-capitalization against replacement of DG Set Engine & Control panel, Mobile crane and Fire extinguisher claimed by the petitioner is found to be in order and is considered for the purpose of tariff.

2013-14

35. The de-capitalization claimed by the petitioner against replacement of Digital Oscilloscope has not been considered, since the capitalization of the said asset has not been allowed. However, the de-capitalization against the replacement of motor boat, crane, digital oscilloscope, cooling pump claimed by the petitioner is found to be in order and is considered for the purpose of tariff. In respect of the claim for capitalization of 42 seater Bus in 2013-14 on replacement basis, the petitioner has not furnished the replacement value of the old asset. In response to the ROP of the hearing dated 16.7.2015, the petitioner vide affidavit dated 10.8.2015 has furnished the de-capitalization value of the old asset as ₹8.23 lakh and the same has been considered. Based on the above, the assumed deletions claimed and allowed for the purpose of tariff are summarized as under:

(₹in lakh)

Sl. No.	Asset/Work against which de-capitalization claimed	Additions claimed for the asset	Assumed Deletions	
			Claimed	Allowed
2012-13				
1.	Digital Voltage Regulator	127.49 (2 nos)	(-) 42.00	(-) 42.00
2.	625 KVA DG Set Engine and control panel	99.48	(-)11.44	(-)11.44
3.	Fire Tender	12.75	(-)0.09	(-)0.09
4.	Mobile crane 20 MT Capacity	105.15	(-)1.06	(-)1.06
5.	Fire Extinguisher	6.64	(-)1.76	(-)1.76
6.	Digital Megger	1.82	(-)1.21	0.00
7.	Rotor Temperature indicator	4.15	(-)1.23	(-)1.23
8.	Paperless temperature scanner, 24 channels, LCD display, input supply 230V AC (3 no)	4.57	(-)0.46	0.00
	Total	**362.05**	**(-) 59.25**	**(-) 57.58**

2013-14				
1.	Motor Boat	7.65	(-) 0.32	(-) 0.32
2.	Truck mounted 65 MT crane	232.76	(-)1.79	(-)1.79
3.	Digital Oscilloscope , 4-channel, 50 Hz with accessories	3.19	(-) 0.32	0.00
4.	Cooling pump	8.40	(-) 2.50	(-) 2.50
5.	42 seater Bus	13.85	0.00	(-) 8.23
	Total	**252.00**	**(-) 4.93**	**(-)12.84**

Un-discharged liabilities and discharge of liabilities

36. The petitioner has submitted the details of the un-discharged liabilities and the discharge of liabilities during 2012-14 as under:

(₹ in lakh)

	2012-13	2013-14
Liability discharged	3.54	0.00
Un-discharged liabilities	0.00	20.20

37. The un-discharged liabilities and discharge of liabilities as above have been considered for working out the admissible additional capital expenditure for the period 2012-14. Accordingly, the actual additional capital expenditure allowed for the period 2012-14 for the purpose of tariff is as under:

(₹ in lakh)

	2012-13	2013-14
Additions		
Addition against work already approved by Commission	228.16	310.68
Addition not projected earlier but incurred and claimed	5.67	78.11
Total Addition	**233.83**	**388.79**
Deletions		
Deletion allowed	2.34	45.28
Assumed deletion	57.58	12.84
Total Deletion	**59.92**	**58.12**
Total Additional capital expenditure allowed before adjustment of discharge/un-discharge of liabilities	**173.91**	**330.67**
Less: Un-discharged liabilities in the admitted additional capital expenditure	0.00	20.20
Add: Liabilities discharged during the year out of the additional capital expenditure	3.54	0.00
Add: Liabilities discharged during the year (related to un-discharged liabilities as on 31.3.2009)	0.00	0.00
Additional Capital Expenditure allowed	**177.45**	**310.47**

Capital Cost

38. As stated, the capital cost of ₹40276.49 lakh as on 31.3.2012 has been allowed vide order dated 9.6.2014 in Petition No.177/GT/2013 and the same has been considered as the opening capital cost as on 1.4.2012. Accordingly, the capital cost considered for the purpose of the tariff is as under:

(₹ in lakh)

	2012-13	2013-14
Opening capital cost as on 31.3.2012	40276.49	40453.94
Additional capital expenditure allowed	177.45	310.47
Closing capital cost	**40453.94**	**40764.41**

Return on Equity

39. In terms of Regulation 15 (3) of the 2009 Tariff Regulations, the Return on Equity is computed as under:

(₹ In lakh)

	2012-13	2013-14
Gross Notional Equity	10058.21	10111.45
Addition due to additional capital expenditure	53.23	93.14
Closing Equity	10111.45	10204.59
Average Equity	10084.83	10158.02
Return on Equity (Base Rate)	15.500%	15.500%
Tax rate for the year	20.008%	20.961%
Rate of Return on Equity	19.377%	19.610%
Return on Equity	**1954.14**	**1991.99**

Interest on Loan

40. The normative loan in respect of the project has already been repaid. The normative loan on account of the admitted additional capital expenditure during the respective years of the entire tariff period have been considered as fully paid, as the admitted depreciation is more than the amount of normative loan in these years. As such, the Interest on loan during the period 2009-14 is 'Nil'

Depreciation

41. The date of commercial operation of the generating station is 1.4.1993. Since the generating station has completed 12 years of operation as on 1.4.2005, the remaining depreciable value has been spread over the balance useful life of the project for the period 2009-14. Accordingly, the depreciation has been computed as under:

(₹In lakh)

	2012-13	2013-14
Gross Block as on 31.3.2009	40276.49	40453.94
Additional capital expenditure during 2009-14	177.45	310.47
Closing gross block	40453.94	40764.41
Average gross block	40365.22	40609.17
Depreciable Value	36328.70	36548.26
Balance Useful life of the asset	16.00	15.00
Remaining Depreciable Value	15137.76	14443.95
Depreciation	**946.11**	**962.93**

O & M Expenses

42. The O & M expenses allowed in order dated 9.6.2014 in Petition No. 177/GT/2013 has been considered as under:

(₹in lakh)

2012-13	2013-14
5472.48	5785.51

Interest on Working Capital

43. The petitioner is entitled to claim interest on working capital as per Regulation 18 of the 2009 Tariff Regulations. The components of the working capital and the petitioner's entitlement to interest thereon are discussed hereunder.

(i) Receivables

As per Regulation 18(1) (c) (i) of the 2009 Tariff Regulations, receivables as a component of working capital are equivalent to two months' of fixed cost. In the tariff being allowed, receivables have been worked out on the basis of '2 months' fixed cost.

(ii) Maintenance spares

Regulation 18 (1) (c) (ii) of the 2009 Tariff Regulations provides for maintenance spares @ 15% per annum of the O & M expenses as part of the working capital. The value of maintenance spares has accordingly been worked out.

(iii) O & M expenses

Regulation 18(1) (c) (iii) of the 2009 Tariff Regulations provides for operation and maintenance expenses for one month to be included in the working capital. The petitioner has claimed O&M expenses for 1 month of the respective year. This has been considered in the working capital.

(iv) Rate of interest on working capital

In accordance with clause (3) of Regulation 18 of the tariff regulations, as amended, rate of interest on working capital shall be on normative basis and shall be equal to the short-term Prime Lending Rate of State Bank of India as on 1.4.2009 or on 1st April of the year in which the generating station or a unit thereof is declared under commercial operation, whichever is

later. Accordingly, SBI PLR of 12.25% as on 1.4.2009 has been considered in for working out Interest on Working Capital.

44. Accordingly, Interest on Working Capital has been calculated as under:

(₹ in lakh)

	2012-13	2013-14
Maintenance Spares	820.87	867.83
O & M Expenses	456.04	482.13
Receivables	1451.15	1515.24
Total	**2728.06**	**2865.19**
Interest on working capital @12.25%	**334.19**	**350.99**

Annual Fixed Charges

45. The annual fixed charges allowed for generating station for the period 2012-14 are summarized as under:

(₹ in lakh)

	2012-13	2013-14
Return on Equity	1954.14	1991.99
Interest on Loan	0.00	0.00
Depreciation	946.11	962.93
Interest on Working Capital	334.19	350.99
O & M Expenses	5472.48	5785.51
Total	**8706.92**	**9091.41**

46. The difference between the annual fixed charges recovered by the petitioner and the annual fixed charges determined by this order as above shall be adjusted in terms of Clause (6) of Regulation 6 of the 2009 Tariff Regulations.

Determination of Annual Fixed Charges for the period 2014-19

47. As stated, the petitioner in this petition has also prayed for the determination of annual fixed charges of the generating station for the period 2014-19 in accordance with the provisions of the 2014 Tariff Regulations. Accordingly, the annual fixed charges claimed by the petitioner for the period 2014-19 are as under:

(₹ in lakh)

	2014-15	2015-16	2016-17	2017-18	2018-19
Return on Equity	2032.42	2034.54	2084.60	2133.91	2134.34
Interest on Loan	0.00	0.00	3.45	3.45	0.00
Depreciation	1007.33	1010.03	1074.37	1189.99	1190.94
Interest on Working Capital	462.28	488.46	518.97	552.41	583.98
O & M Expenses	7101.62	7573.45	8076.63	8613.24	9185.51
Annual Fixed Charges	**10603.65**	**11106.48**	**11758.02**	**12493.00**	**13094.77**

48. In response to the directions of the Commission the petitioner has submitted additional information and has served copies of the same on the respondents. The respondents, UPPCL and BRPL have filed replies in the matter and the petitioner has filed rejoinder to the said reply. Based on the submissions and the documents available on record, we proceed to determine the tariff of the generating station for the period 2014-19 as stated in the subsequent paragraphs.

Capital Cost

49. Clause (1) of Regulation 9 of the 2014 Tariff Regulations provides that the capital cost as determined by the Commission after prudence check, in accordance with this regulation, shall form the basis of determination of tariff for existing and new projects. Clause (3) of Regulation 9 provides as under:

> *"9(3) The Capital cost of an existing project shall include the following:*
>
> *(a) the capital cost admitted by the Commission prior to 1.4.2014 duly trued up by excluding liability, if any, as on 1.4.2014;*
>
> *(b) xxxx*
>
> *(c) xxxx*

50. The closing capital cost considered by the Commission as on 31.3.2014 in this order is ₹40764.41 lakh. This has been considered as the opening capital cost as on 1.4.2014 for computation of tariff for the period 2014-19.

Actual/ Projected Additional Capital Expenditure

51. Clause (3) of Regulation 7 of the 2014 Tariff Regulations provides that the application for determination of tariff shall be based on admitted capital cost including any additional capital expenditure already admitted upto 31.3.2014 (either based on actual or projected additional capital expenditure) and estimated additional capital expenditure for the respective years of the tariff period 2014-15 to 2018-19.

52. Regulation 14 (3) of the 2014 Tariff Regulations, provides as under:

"14(3) The capital expenditure, in respect of existing generating station or the transmission system including communication system, incurred or projected to be incurred on the following counts after the cut-off date, may be admitted by the Commission, subject to prudence check:

(i) Liabilities to meet award of arbitration or for compliance of the order or decree of a court of law;

(ii) Change in law or compliance of any existing law;

(iii) Any expenses to be incurred on account of need for higher security and tem of the plant as advised or directed by appropriate Government Agencies of statutory authorities responsible for national security/internal security;

(iv) Deferred works relating to ash pond or ash handling system in the original scope of work;

(v) Any liability for works executed prior to the cut-off date, after prudence check of the details of such un-discharged liability, total estimated cost of package, reasons for such withholding of payment and release of such payments etc.;

(vi) Any liability for works admitted by the Commission after the cut-off date to the extent of discharge of such liabilities by actual payments;

(vii) Any additional capital expenditure which has become necessary for efficient operation of generating station other than coal / lignite based stations or transmission system as the case may be. The claim shall be substantiated with the technical justification duly supported by the documentary evidence like test results carried out by an independent agency in case of deterioration of assets, report of an independent agency in case of damage caused by natural calamities, obsolescence of technology, up-gradation of capacity for the technical reason such as increase in fault level;

(viii) In case of hydro generating stations, any expenditure which has become necessary on account of damage caused by natural calamities (but not due to flooding of power house attributable to the negligence of the generating company) and due to geological reasons after adjusting the proceeds from any insurance scheme, and expenditure incurred due to any additional work which has become necessary for successful and efficient plant operation;

(ix) In case of transmission system, any additional expenditure on items such as relays, control and instrumentation, computer system, power line carrier communication, DC batteries, replacement due to obsolesce of technology, replacement of switchyard equipment due to increase of fault level, tower strengthening, communication equipment, emergency restoration system, insulators cleaning infrastructure, replacement of porcelain insulator with polymer insulators, replacement of damaged equipment not covered by insurance and any other expenditure which has become necessary for successful and efficient operation of transmission system; and

(x) Any capital expenditure found justified after prudence check necessitated on account of modifications required or done in fuel receiving system arising due to non-materialization of coal supply corresponding to full coal linkage in respect of thermal generating station as result of circumstances not within the control of the generating station:

Provided that any expenditure on acquiring the minor items or the assets including tools and tackles, furniture, air-conditioners, voltage stabilizers, refrigerators, coolers, computers, fans, washing machines, heat convectors, mattresses, carpets etc. brought after the cut-off date shall not be considered for additional capitalization for determination of tariff w.e.f. 1.4.2014:

Provided further that any capital expenditure other than that of the nature specified above in (i) to (iv) in case of coal/lignite based station shall be met out of compensation allowance:

Provided also that if any expenditure has been claimed under Renovation and Modernisation (R&M), repairs and maintenance under (O&M) expenses and Compensation Allowance, same expenditure cannot be claimed under this regulation."

53. The year-wise breakup of the projected additional capital expenditure claimed by the petitioner is as under:

(₹ in lakh)

	2014-15	2015-16	2016-17	2017-18	2018-19
Projected additional capital expenditure on gross basis	15.00	51.00	2184.00	18.00	0.00
De-capitalization	2.84	11.00	522.36	3.30	0.00
Net projected additional capital expenditure	**12.16**	**40.00**	**1661.64**	**14.71**	**0.00**

54. Before proceeding, we examine some of the general issues raised by the respondent, UPPCL and the respondent, BRPL as regards the claim for additional capitalization of assets/items by the petitioner during the period 2014-19. The petitioner in this petition has claimed additional capital expenditure for assets/items for the period 2014-19 under Regulation 14(3) (viii) of the 2014 Tariff Regulations. The respondent, UPPCL has mainly submitted that the claim of the petitioner for purchase of the assets/items for 2014-19 may be charged against the O&M expenses allowed to the generating station. The respondent, BRPL has submitted that the claim of the petitioner for projected additional capital expenditure under Regulation 14(3)(viii) shall be read with Regulation 14(3)(vii) which require that the claim for expenditure for replacement of assets which are necessary for efficient operation of the plant shall be substantiated with technical justification duly supported by documentary evidence like test results carried out by independent agency in case of deterioration of the assets. Accordingly, it has been submitted the claim may be rejected as the same has not been submitted in this case.

55. In response to the submissions of respondent UPPCL, the petitioner has clarified that the projected additional expenditure claimed are of capital nature and hence cannot be charged to O&M expenses. The petitioner has further stated that the expenditures have been claimed strictly as per Regulation 14(3)(viii) of 2014 Tariff Regulations as the same are required for successful & efficient operation of the generating station and all assets proposed for capitalization are of capital nature and therefore may be allowed by the Commission. In response to the submissions of the respondent, BRPL the petitioner has stated that the production of test results carried out by independent agency is

neither required nor economically advisable for such small and essential requirements as the hiring of independent agency for such small items will be cost prohibitive and shall be an additional burden on the beneficiaries. The petitioner has clarified that replacement is proposed after the completion of estimated life of equipment with justifications. It has further pointed out that Regulation 14(3)(vii) is not applicable for these items since they are being replaced on account of expiry of their useful life.

56. We have examined the matter. The petitioner has claimed capitalization of the expenditure under Regulation 14(3)(viii) which also provides for capitalization of expenditure incurred due to additional work which has become necessary for successful and efficient operation of plant. The submission of the respondent, UPPCL that assets/works claimed by the petitioner should be considered under O&M expenses cannot be accepted as the expenditure claimed for capitalization is in respect of works of capital nature and are not in the nature of revenue expenses. Moreover, the contention of the respondent, BRPL that Regulation 14(3)(viii) should be read with Regulation 14(3)(vii) in respect of expenditure incurred on replacement assets and that the same should be supported by documentary evidence like test results carried out by independent agency in case of deterioration of the assets, is also not acceptable. In our view, the requirement of documentary evidence like test results etc., carried out by independent agency will be necessary in case of assets which have deteriorated prior to the expiry of useful life and accordingly sought to be replaced. In the instant case, these assets are being replaced on account of obsolescence /deterioration etc., after expiry of its useful life in consideration of year-wise assets which were put to use. However, there may be some assets which are serviceable even after the expiry of their useful life and should be put to use instead of seeking their replacement in a routine manner. In our view, the petitioner should support its claim either on the basis of the certificate by the OEM or its technical committee to the effect that the subject assets cannot be kept in service on account of its obsolescence or it being beyond economic repair. Though we are allowing capitalization of these assets under Regulation 14(3)(viii) of the 2014 Tariff Regulations, we direct that the petitioner shall place on record the necessary certificate from the OEM or its technical committee at the time of truing-up of tariff . Similar

approach shall be adopted in other cases where additional capitalization has been allowed under Regulation 14(3)(viii) of the 2014 Tariff Regulations.

57. Accordingly, based on the submissions of the parties and the documents available on record, the claims of the petitioner for the period 2014-19 are considered and allowed on prudence check, after reduction of the gross value of old assets, wherever necessary, as detailed in the subsequent paragraphs.

2014-15

(₹ in lakh)

Sl. No	Assets/ Works	Amount claimed	Justification submitted by the petitioner	Remarks on admissibility	Amount Allowed
1	Purchase of 3 no. Unit Auxiliary Transformers (UATs).	15.00	Existing, three nos.800KVA UATs are conventional outdoor type oil filled transformers. These transformers are 1989 manufactured & are in operation since commissioning of Power Station. Since the existing transformers have completed their useful life i.e. 25 years, they require replacement.	**Allowed** under Regulation 14(3)(viii), since the asset is considered necessary for efficient operation of the generating station. The gross value of old asset is considered as ₹2.84 lakh.	**12.16** (15.00 - 2.84)
	Total amount claimed	**15.00**			
	Total amount allowed (after de-capitalization)				**12.16**

2015-16

(₹ in lakh)

Sl. No.	Assets/ Works	Amount Claimed	Justification submitted by the petitioner	Remarks on admissibility	Amount Allowed
1	Purchase of 3 no. Unit Auxiliary Transformers (UATs).	16.00	Existing, three nos. 800 KVA UATs are conventional outdoor type oil filled transformers. These transformers are 1989 manufactured & are in operation since commissioning of Power Station. Since existing transformers have completed their useful life i.e. 25 years, they require replacement.	**Allowed** under Regulation 14(3)(viii), since the asset is considered necessary for efficient operation of the generating station. The gross value of old asset is considered as ₹2.84 lakh.	**13.16** (16.00-2.84)
2	Telephone Exchange	35.00	The existing EPABX is obsolete and has completed its useful life, required replacement.	**Allowed** under Regulation 14(3)(viii), since the asset is considered necessary for efficient operation of the generating	**26.84** (35.00-8.16)

				station. The gross value of old asset is considered as ₹8.16 lakh.	
Total amount claimed		**51.00**			
Total amount allowed (after de-capitalization)					**40.00**

2016-17

(₹ in lakh)

Sl. No.	Assets/ Works	Amount Claimed	Justification submitted by the petitioner	Remarks on admissibility	Amount Allowed
1	Purchase of 3 no. Unit Auxiliary Transformers (UATs).	17.00	Existing, three nos.800KVA UATs are conventional outdoor type oil filled transformers. These transformers are 1989 manufactured & are in operation since commissioning of Power Station. Since existing transformers have completed their useful life i.e. 25 years, they require replacement.	**Allowed** under Regulation 14(3)(viii), since the asset is considered necessary for efficient operation of the generating station. The gross value of old asset is considered as ₹2.84 lakh.	**14.16** (17.00-2.84)
2	Purchase of Station Service Transformer (SST) (one no)	17.00	Existing, two nos.1000KVA, conventional outdoor type, oil filled transformers have been installed. These transformers are 1989 manufactured & are in operation since commissioning of Power Station. Since existing transformers have completed their useful life, they require replacement.	**Allowed** under Regulation 14(3)(viii), since the asset is considered necessary for efficient operation of the generating station. The gross value of old asset is considered as ₹4.29 lakh.	**12.71** (17.00-4.29)
3	Purchase of High Pressure Reciprocating Electric Air Compressor (approx. 800 cfm & 275 kW, with pressure upto 40 bar) along with separate vertical air receiver Tank	115.00	**Existing System:** There are 48 nos hoppers and 4 nos silt flushing tunnels for desilting arrangement which are normally choked due to siltation. Presently De-choking of Hoppers are carried out through Hydro Suction pipe line & movable type low capacity Diesel compressor which have not proven very effective system and ultimately all the hoppers are normally choked after certain period. As per past experience de-choking of hoppers are carried out through inviting dredging contract or desiltation through small Tipper/Trailer by making ramp during closure of power	The new de-silting system is being envisaged after 22 years of plant operation to increase the efficiency/ availability and for reducing the O&M expenditure by avoiding dredging contract and by way of reduced repair and maintenance cost. However, in view of the fact that the Target Availability norm and normative O&M expenses for the tariff period 2014-19 have been finalized without	0.00
4	Purchase of Submersible agitator Dredge/slurry Pump having approx. 150 HP working with minimum 22 meter head and minimum	115.00			0.00

	discharge 700 cum/hr.		channel. **Necessity of Incurring expenditure:-** Choking of Hoppers & SFT results flow of Heavy silt contents through machine which damages Runner Blade profile, trunion seal, shaft sleeve drum, shaft seal etc including choking of coolers etc resulting lowering the plant efficiency /availability and incurring additional cost in repair of the unit. Further, accumulation of silt lowers the capacity of power channel & loss of head resulting generation loss even in peak season due to low intake in power channel. Further, barrage closure attracts generation loss along with desiltation through small Tipper/Trailer by making ramp during closure of power channel may also have risk of damaging PCC lining of channel. Therefore, it is proposed to establish a permanent compressor room by procuring High capacity Electric Compressor with air receiver tank along with procurement of high capacity (high head & flow) submersible agitator Dredging pump (to be installed in a Barge) for desilting & agitating the silt by pump and cleaning of hopper by high pressurized Air. This will result throughout efficient working of Silt Ejector basin enhancing the efficiency & performance of power station as detailed above.	the new system in place, the entire benefit of the new system will go to the petitioner. The petitioner shall carry out the cost benefit analysis for incurring the expenditure on new system (in terms of the reduced O&M expenses) and incentive on account of increased availability. In view of this, the expenditure has **not been allowed** for the purpose of tariff.	
5	Purchase of 1 Set of Stoplog Gates for Barrage	120.00	**Existing System:** There are only 2 set of Stoplog gates for maintenance of 22 nos Barrage Gates. Necessity of Incurring Expenditure: 2 Set of stoplog gates are not sufficient to cater the maintenance works during lean season for all gates. Since the Barrage Gates have installed 22 years	**Not allowed** as the petitioner has not clearly established the time requirements for maintenance of barrage gates duly supported with facts and figures pertaining to the loss of generation due to the	**0.00**

			ago and due to passage of time, the condition of Barrage gates are badly deteriorating and requires frequent R&M for smooth operation. Therefore, additional 1 Set of Stoplog gate is necessarily required so that maintenance of three gates may be taken up simultaneously to complete R&M of all gates during every lean season. **Impact on Efficiency/ Performance:** Efficient & water leakage proof operation of barrage gate enhance the generation capacity resulting efficient performance of power station.	existing system. The petitioner has also not justified the expenditure in terms of the likely increase in generation and as to how the benefit of increased generation would accrue to the beneficiaries, specially keeping in view that the norms specified under the 2014 Tariff Regulations applicable for the period 2014-19 do not take into account the new system and also do not capture the benefits of the new system.	
6	Complete Runner assembly	1800.00	In Unit-I, old hub with new blades was installed in 2008-09. There is oil leakage problem from the runner during its operation and at present, both the hub and the blades are worn out and needs replacement as it is beyond economical repair. Replacement is to avoid water/pressure loss and hence energy loss during operation for good performance and efficiency of the unit.	**Allowed** under Regulation 14(3)(viii), of the 2014 Tariff Regulations since the asset is considered necessary for efficient operation of the generating station. The gross value of old asset is considered as ₹515.23 lakh.	**1284.77** (1800.00-515.23)
Total amount claimed		**2184.00**			
Total amount allowed (after de-capitalization)					**1311.64**

2017-18

(₹ in lakh)

Sl. No.	Assets/ Works	Amount Claimed	Justification submitted by the petitioner	Remarks on admissibility	Amount allowed
1	Purchase of Station Service Transformer (SST) (One no.).	18.00	Existing, two nos.1000 KVA, conventional outdoor type, oil filled transformers have been installed. These transformers are 1989 manufactured & are in operation since commissioning of Power Station. Since existing transformers have completed their useful life, they require replacement.	**Allowed** under Regulation 14(3)(viii), since the asset is considered necessary for efficient operation of the generating station. The gross value of old asset is considered as ₹3.30	**14.70** (18.00-3.30)

				lakh.	
Total amount claimed		**18.00**			**14.70**
Total amount allowed (after de-capitalization)					

2018-19

58. No additional capital expenditure has been claimed by the petitioner for the year 2018-19.

Additional capital expenditure allowed for 2014-19

59. Based on the above, the net additional capital expenditure allowed for the period 2014-19 is summarized as under:

(₹ in lakh)

	2014-15	2015-16	2016-17	2017-18	2018-19
Additional capital expenditure allowed	15.00	51.00	2184.00	18.00	-
De-capitalization	2.84	11.00	522.36	3.30	-
Net Additional Capital expenditure allowed	**12.16**	**40.00**	**1311.64**	**14.70**	**-**

Capital Cost for 2014-19

60. As stated, the closing capital cost as on 31.3.2014 is ₹40764.41 lakh. The same has been considered as the opening capital cost as on 1.4.2014. Accordingly, the capital cost considered for the purpose of tariff for the period 2014-19 is as under:

(₹ in lakh)

	2014-15	2015-16	2016-17	2017-18	2018-19
Opening Capital Cost	40764.41	40776.57	40816.57	42128.21	42142.91
Additional Capital Expenditure allowed	12.16	40.00	1311.64	14.70	0.00
Capital Cost as on 31st March of the year	**40776.57**	**40816.57**	**42128.21**	**42142.91**	**42142.91**

Debt-Equity

61. Regulation 19 of the 2014 Tariff Regulations provides as under:

"19. Debt-Equity Ratio

(1) For a project declared under commercial operation on or after 1.4.2014, the debt-equity ratio would be considered as 70:30 as on COD. If the equity actually deployed is more than 30% of the capital cost, equity in excess of 30% shall be treated as normative loan:

Provided that:

i. where equity actually deployed is less than 30% of the capital cost, actual equity shall be considered for determination of tariff:

ii. the equity invested in foreign currency shall be designated in Indian rupees on the date of each investment:

iii. any grant obtained for the execution of the project shall not be considered as a part of capital structure for the purpose of debt : equity ratio."

62. Accordingly, the debt-equity ratio of 70:30 has been considered for the purpose of tariff.

Return on Equity

63. Regulation 24 of the 2014 Tariff Regulations provides as under:

> ***"24. Return on Equity**: (1) Return on equity shall be computed in rupee terms, on the equity base determined in accordance with regulation 19.*
>
> *(2) Return on equity shall be computed at the base rate of 15.50% for thermal generating stations, transmission system including communication system and run of the river hydro generating station, and at the base rate of 16.50% for the storage type hydro generating stations including pumped storage hydro generating stations and run of river generating station with pondage:*
>
> *Provided that:*
>
> *i) in case of projects commissioned on or after 1st April, 2014, an additional return of 0.50 % shall be allowed, if such projects are completed within the timeline specified in Appendix-I:*
>
> *ii). the additional return of 0.5% shall not be admissible if the project is not completed within the timeline specified above for reasons whatsoever:*
>
> *iii). additional RoE of 0.50% may be allowed if any element of the transmission project is completed within the specified timeline and it is certified by the Regional Power Committee/National Power Committee that commissioning of the particular element will benefit the system operation in the regional/national grid:*
>
> *iv). the rate of return of a new project shall be reduced by 1% for such period as may be decided by the Commission, if the generating station or transmission system is found to be declared under commercial operation without commissioning of any of the Restricted Governor Mode Operation (RGMO)/ Free Governor Mode Operation (FGMO), data telemetry, communication system up to load dispatch centre or protection system:*
>
> *v) as and when any of the above requirements are found lacking in a generating station based on the report submitted by the respective RLDC, RoE shall be reduced by 1% for the period for which the deficiency continues:*
>
> *vi) additional RoE shall not be admissible for transmission line having length of less than 50 kilometers.*

64. Regulation 25 of the 2014 Tariff Regulations provides as under:

> ***"Tax on Return on Equity***
> *(1) The base rate of return on equity as allowed by the Commission under Regulation 24 shall be grossed up with the effective tax rate of the respective financial year. For this purpose, the effective tax rate shall be considered on the basis of actual tax paid in the respect of the financial year in line with the provisions of the relevant Finance Acts by the concerned generating company or the transmission licensee, as the case may be. The actual tax income on other income stream (i.e., income of non generation or non transmission business, as the case may be) shall not be considered for the calculation of "effective tax rate".*
>
> *(2) Rate of return on equity shall be rounded off to three decimal places and shall be computed as per the formula given below:*

Rate of pre-tax return on equity = Base rate / (1-t)

Where "t" is the effective tax rate in accordance with Clause (1) of this regulation and shall be calculated at the beginning of every financial year based on the estimated profit and tax to be paid estimated in line with the provisions of the relevant Finance Act applicable for that financial year to the company on pro-rata basis by excluding the income of non-generation or non-transmission business, as the case may be, and the corresponding tax thereon. In case of generating company or transmission licensee paying Minimum Alternate Tax (MAT), "t" shall be considered as MAT rate including surcharge and cess.

(3) The generating company or the transmission licensee, as the case may be, shall true up the grossed up rate of return on equity at the end of every financial year based on actual tax paid together with any additional tax demand including interest thereon, duly adjusted for any refund of tax including interest received from the income tax authorities pertaining to the tariff period 2014-15 to 2018-19 on actual gross income of any financial year. However, penalty, if any, arising on account of delay in deposit or short deposit of tax amount shall not be claimed by the generating company or the transmission licensee as the case may be. Any under-recovery or over-recovery of grossed up rate on return on equity after truing up, shall be recovered or refunded to beneficiaries or the long term transmission customers/DICs as the case may be on year to year basis."

65. The Base rate has been grossed up with the MAT rate for the year 2013-14. Accordingly, in terms of the above regulations, Return on Equity has been computed as under:

(₹ in lakh)

	2014-15	2015-16	2016-17	2017-18	2018-19
Opening Equity	10204.59	10208.24	10220.24	10613.73	10618.14
Addition due to additional capital expenditure	3.65	12.00	393.49	4.41	0.00
Closing Equity	10208.24	10220.24	10613.73	10618.14	10618.14
Average Equity	10206.41	10214.24	10416.98	10615.94	10618.14
Return on Equity (Base Rate)	15.500%	15.500%	15.500%	15.500%	15.500%
Tax rate for the year	20.961%	20.961%	20.961%	20.961%	20.961%
Rate of Return on Equity	19.610%	19.610%	19.610%	19.610%	19.610%
Return on Equity	**2001.48**	**2003.01**	**2042.77**	**2081.78**	**2082.22**

66. The petitioner is however directed to submit the effective tax rates along with the tax Audit report for the period 2015-19 at the time of revision of tariff based on truing-up in terms of Regulation 8 of the 2014 Tariff Regulations.

Interest on Loan

67. Regulation 26 of the 2014 Tariff Regulations provides as under:

***"26. Interest on loan capital:** (1)The loans arrived at in the manner indicated in regulation 19 shall be considered as gross normative loan for calculation of interest on loan.*

(2) The normative loan outstanding as on 1.4.2014 shall be worked out by deducting the cumulative repayment as admitted by the Commission up to 31.3.2014 from the gross normative loan.

(3) The repayment for each of the year of the tariff period 2014-19 shall be deemed to be equal to the depreciation allowed for the corresponding year/period. In case of de-capitalization of assets, the repayment shall be adjusted by taking into account cumulative repayment on a pro rata basis and the adjustment should not exceed cumulative depreciation recovered upto the date of de-capitalization of such asset.

(4) Notwithstanding any moratorium period availed by the generating company orthe transmission licensee, as the case may be, the repayment of loan shall be considered from the first year of commercial operation of the project and shall be equal to the depreciation allowed for the year or part of the year.

(5) The rate of interest shall be the weighted average rate of interest calculated on the basis of the actual loan portfolio after providing appropriate accounting adjustment for interest capitalized:

Provided that if there is no actual loan for a particular year but normative loan is still outstanding, the last available weighted average rate of interest shall be considered:

Provided further that if the generating station or the transmission system, as the case may be, does not have actual loan, then the weighted average rate of interest of the generating company or the transmission licensee as a whole shall be considered.

(6) The interest on loan shall be calculated on the normative average loan of the year by applying the weighted average rate of interest.

(7) The generating company or the transmission licensee, as the case may be, shall make every effort to re-finance the loan as long as it results in net savings on interest and in that event the costs associated with such re-financing shall be borne by the beneficiaries and the net savings shall be shared between the beneficiaries and the generating company or the transmission licensee, as the case may be, in the ratio of 2:1.

(8) The changes to the terms and conditions of the loans shall be reflected from the date of such re-financing.

(9) In case of dispute, any of the parties may make an application in accordance with the Central Electricity Regulatory Commission (Conduct of Business) Regulations, 1999,as amended from time to time, including statutory re-enactment thereof for settlement of the dispute:

Provided that the beneficiaries or the long term transmission customers /DICs shall not withhold any payment on account of the interest claimed by the generating company or the transmission licensee during the pendency of any dispute arising out of re-financing of loan."

68. The normative loan for the project has already been repaid. The normative loan on account of the admitted additional capital expenditure during the respective years of the tariff period have also been considered as fully paid, as the admitted depreciation is more than the amount of normative loan in these years. As such, Interest on loan for the period 2014-19 is worked out as 'Nil'.

Depreciation

69. Regulation 27 of the 2014 Tariff Regulations provides as under:

***"27. Depreciation:** (1) Depreciation shall be computed from the date of commercial operation of a generating station or unit thereof or a transmission system including communication system or element thereof. In case of the tariff of all the units of a generating station or all elements of a transmission system*

including communication system for which a single tariff needs to be determined, the depreciation shall be computed from the effective date of commercial operation of the generating station or the transmission system taking into consideration the depreciation of individual units or elements thereof.

Provided that effective date of commercial operation shall be worked out by considering the actual date of commercial operation and installed capacity of all the units of the generating station or capital cost of all elements of the transmission system, for which single tariff needs to be determined.

(2) The value base for the purpose of depreciation shall be the capital cost of the asset admitted by the Commission. In case of multiple units of a generating station or multiple elements of transmission system, weighted average life for the generating station of the transmission system shall be applied. Depreciation shall be chargeable from the first year of commercial operation. In case of commercial operation of the asset for part of the year, depreciation shall be charged on pro rata basis.

(3) The salvage value of the asset shall be considered as 10% and depreciation shall be allowed up to maximum of 90% of the capital cost of the asset:

Provided that in case of hydro generating station, the salvage value shall be as provided in the agreement signed by the developers with the State Government for development of the Plant:

Provided further that the capital cost of the assets of the hydro generating station for the purpose of computation of depreciated value shall correspond to the percentage of sale of electricity under long-term power purchase agreement at regulated tariff:

Provided also that any depreciation disallowed on account of lower availability of the generating station or generating unit or transmission system as the case may be, shall not be allowed to be recovered at a later stage during the useful life and the extended life.

(4) Land other than the land held under lease and the land for reservoir in case of hydro generating station shall not be a depreciable asset and its cost shall be excluded from the capital cost while computing depreciable value of the asset.

(5) Depreciation shall be calculated annually based on Straight Line Method and at rates specified in ***Appendix-II*** *to these regulations for the assets of the generating station and transmission system:*

Provided that the remaining depreciable value as on 31st March of the year closing after a period of 12 years from the effective date of commercial operation of the station shall be spread over the balance useful life of the assets.

(6) In case of the existing projects, the balance depreciable value as on1.4.2014 shall be worked out by deducting the cumulative depreciation as admitted by the Commission upto 31.3.2014 from the gross depreciable value of the assets.

(7) The generating company or the transmission license, as the case may be, shall submit the details of proposed capital expenditure during the fag end of the project (five years before the useful life) along with justification and proposed life extension. The Commission based on prudence check of such submissions shall approve the depreciation on capital expenditure during the fag end of the project.

(8) In case of de-capitalization of assets in respect of generating station or unit thereof or transmission system or element thereof, the cumulative depreciation shall be adjusted by taking into account the depreciation recovered in tariff by the de-capitalized asset during its useful services."

70. The COD of the generating station is 1.4.1983. As the generating station has completed 12 years of operation as on 1.4.2005, the remaining depreciable value has been spread over the balance useful life of the project. Accordingly, depreciation has been computed as follows:

(₹ in lakh)

	2014-15	2015-16	2016-17	2017-18	2018-19
Gross Block as on 31.3.2014	40764.41	40776.57	40816.57	42128.21	42142.91
Additional capital expenditure during 2014-19	12.16	40.00	1311.64	14.70	0.00
Closing gross block	40776.57	40816.57	42128.21	42142.91	42142.91
Average gross block	40770.49	40796.57	41472.39	42135.56	42142.91
Depreciable value	36693.44	36716.91	37325.15	37922.00	37928.62
Balance useful life of the asset	14.00	13.00	12.00	11.00	10.00
Remaining depreciable value	13659.04	12708.54	12345.93	12232.49	11129.16
Depreciation	**975.65**	**977.58**	**1028.83**	**1112.04**	**1112.92**

O&M Expenses

71. The generating station is in operation for three or more years as on 1.4.2014. Accordingly, in terms of sub-section (a) of clause (3) of Regulation 29 of the 2014 Tariff Regulations, the year-wise O&M expense norms considered for the generating station of the petitioner for the period 2014-19 is as under:

(₹ in lakh)

2014-15	2015-16	2016-17	2017-18	2018-19
7101.62	7573.45	8076.63	8613.24	9185.51

Interest on working capital

72. Sub-section (c) of Clause (1) of Regulation 28 of the 2014 Tariff Regulations provides as under:

"28. Interest on Working Capital:

(1) The working capital shall cover

(c) Hydro generating station including pumped storage hydro electric generating Station and transmission system including communication system:

(i) Receivables equivalent to two months of fixed cost;

(ii) Maintenance spares @ 15% of operation and maintenance expense specified in regulation 29; and

(iii) Operation and maintenance expenses for one month."

73. Accordingly, the receivables considering two months of fixed cost are worked out and allowed as under:

(₹ in lakh)

2014-15	2015-16	2016-17	2017-18	2018-19
1756.60	1840.17	1944.18	2059.40	2160.27

74. Maintenance spares @ 15% of operation and maintenance expenses are worked out and allowed as under:

(₹ in lakh)

2014-15	2015-16	2016-17	2017-18	2018-19
1065.24	1136.02	1211.49	1291.99	1377.83

75. O&M Expenses for one month are allowed as under:

(₹ in lakh)

2014-15	2015-16	2016-17	2017-18	2018-19
591.80	631.12	673.05	717.77	765.46

Rate of interest on working capital

76. Clause (3) of Regulation 28 of the 2014 Tariff Regulations provides as under:

> *"Interest on working Capital: (3) Rate of interest on working capital shall be on normative basis and shall be considered as the bank rate as on 1.4.2014 or as on 1st April of the year during the tariff period 2014-15 to 2018-19 in which the generating station or a unit thereof or the transmission system including communication system or element thereof, as the case may be, is declared under commercial operation, whichever is later."*

77. In terms of the above regulations, the Bank Rate of 13.50% (Base Rate + 350 Basis Points) as on 1.4.2014 has been considered by the petitioner. This has been considered in the calculations for the purpose of tariff.

Interest on Working Capital

78. Necessary computations in support of interest on working capital are appended below:

(₹ in lakh)

	2014-15	2015-16	2016-17	2017-18	2018-19
Maintenance Spares	1065.24	1136.02	1211.49	1291.99	1377.83
O & M expenses	591.80	631.12	673.05	717.77	765.46
Receivables	1756.60	1840.17	1944.18	2059.40	2160.27
Total	3413.64	3607.31	3828.73	4069.16	4303.56
Interest Rate	13.50%	13.50%	13.50%	13.50%	13.50%
Interest on Working Capital	**460.84**	**486.99**	**516.88**	**549.34**	**580.98**

79. Accordingly, the annual fixed charges approved for the generating station for the period 2014-2019 is as under:

(₹ In lakh)

	2014-15	2015-16	2016-17	2017-18	2018-19
Return on Equity	2001.48	2003.01	2042.77	2081.78	2082.22
Interest on Loan	0.00	0.00	0.00	0.00	0.00
Depreciation	975.65	977.58	1028.83	1112.04	1112.92
Interest on Working Capital	460.84	486.99	516.88	549.34	580.98
O & M Expenses	7101.62	7573.45	8076.63	8613.24	9185.51
Annual Fixed Charges	**10539.59**	**11041.03**	**11665.11**	**12356.41**	**12961.62**

Normative Annual Plant Availability Factor

80. Clause (4) of Regulation 37 of the 2014 Tariff Regulations provides for the Normative Annual Plant Availability Factor (NAPAF) for hydro generating stations already in operation. Accordingly, the NAPAF of 55% has been considered for this generating station.

Design Energy

81. The Commission in its order dated 10.5.2011 in Petition No.75/2010 had approved the annual Design Energy (DE) of 452.19 Million Units for the period 2009-14 in respect of this generating station. This DE has been considered for this generating station for the period 2014-19 as per month-wise details hereunder:

Month	Design Energy (MUs)
April	19.71
May	28.94
June	42.29
July	66.59
August	66.59
September	64.44
October	51.92
November	31.12
December	24.13
January	21.25
February	17.12
March	18.09
Total	**452.19**

Application Fee and Publication Expenses

82. The petitioner has sought the reimbursement of filing fee and also the expenses incurred towards publication of notices for application of tariff for the period 2014-19. The petitioner has deposited tariff filing fees of ₹414480/- for the period 2014-15 in terms of the provisions of the Central Electricity Regulatory Commission (Payment of Fees) Regulations, 2012. The petitioner vide affidavit dated 14.11.2014 has submitted that it has incurred ₹377821/- as charges towards publication of the said tariff petition in the newspapers. Accordingly, in terms of Regulation 52 of the 2014 Tariff Regulations and in line with the decision in Commission's order dated 6.1.2016 in Petition

No.232/GT/2014, the petitioner shall be entitled to recover the filing fees for the year 2014-15 and the expenses incurred on publication of notices for the period 2014-19 directly from the respondents. The filing fees for the remaining years of the tariff period 2015-19 shall be recovered *pro rata* after deposit of the same and production of documentary proof.

83. The annual fixed charges approved for the period 2014-19 as above are subject to truing-up in terms of Regulation 8 of the 2014 Tariff Regulations.

84. Petition No. 226/GT/2014 is disposed of in terms of the above.

Sd/-	*Sd/-*	*Sd/-*
[A.S.Bakshi]	**[A.K.Singhal]**	**[Gireesh B.Pradhan]**
Member	**Member**	**Chairperson**

ANNEX-VI

Annex-4

DSP & ASSOCIATES
CHARTERED ACCOUNTANTS

783, Desh Bandhu Gupta Road,
Near Faiz Road Crossing
Karol Bagh, New Delhi-110 005
☎ 23684423, 23622076
Telefax : 23622094, 41545550
E-mail : dspdelhi@dspdelhi.in
aksinghal@dspdelhi.in
Website. : www.dspdelhi.in

Independent Auditors' Certificate

NHPC Limited
NHPC Office Complex,
Sector-33
Faridabad-121003
Haryana

Re: Auditors Certificate with respect to impact of Goods and services Tax (GST) due to change in Law for the period 1st July 2017 to 31st March 2018 and from 1st April 2018 to 31st December 2018 in respect of TANAKPUR Power Station.

Introduction

1. This certificate is issued in accordance with the terms of our engagement letter dated 12th February, 2019.

2. We, DSP & ASSOCIATES, Chartered Accountants (Firm's ICAI Registration No. 006791N), the Joint statutory auditors (" the auditor") of NHPC Limited ("the Company"), having its registered office at NHPC Office Complex, Sector-33, Faridabad-121003, Haryana have been requested by the Company to provide the Certificate for "Impact of Goods and services Tax (GST) for the period 1st July 2017 to 31st March 2018 and from 1st April 2018 to 31st December 2018" (" the Statement") in respect of TANAKPUR Power Station for submission to Central Electricity Regulatory Commission to allow the pass through of the impact due to change in domestic duties under change in law through tariff to the beneficiaries.

Management's Responsibility

3. The Statement **(referred to as Annexure – I and Annexure -II),** is solely the responsibility of the Management of the Company. The said statement has been compiled from the books and records of the Company and the Company's Management is responsible for the designing, implementing and maintaining internal control relevant for the preparation of the books of account and the financial statements of the company, the accuracy and completeness of the accounting records, timely preparation of reliable information as required under Companies Act, 2013 and compilation of the said statement therefrom and applying an appropriate basis for preparation of the same.

4. The management is also responsible for complying with the provisions of GST as well as rules, regulations and directives under Electricity Act 2003.

DSP & ASSOCIATES FRN:006791N NEW DELHI CHARTERED ACCOUNTANTS

NHPC LIMITED FARIDABAD

Auditor's Responsibility

5. It is our responsibility to certify the Statement based on our examination of the matters in the Statement with reference to the books of account and other relevant records of the Company for the period 1st July 2017 to 31st March 2018 and for the period 1st April 2018 to 31st December, 2018.

6. The unaudited financial results for the quarter ended 30th September 2018 and 31st December 2018 were reviewed by us pursuant to the requirements of Regulation 33 of the Securities and Exchange Board of India (Listing Obligations and Disclosure Requirement) Regulations, 2015 ('the SEBI Regulations'). The Limited review of the financial results was conducted in accordance with the recognition and measurement principles laid down in the Indian Accounting Standard 34 "Interim Financial Reporting" ("Ind AS 34") prescribed under Section 133 of the Companies Act, 2013 read with relevant rules issued thereunder and other accounting principles generally accepted in India.

   The Financial Statement for the year ended 31st March 2018 had been subjected to audit by M/s S N Dhawan & co., Chartered Accountants (the "Previous Auditor") pursuant to the requirements of the Companies Act, 2013 and unaudited financial results for the quarter ended 30th June 2018 had been subjected to limited review by the Previous Auditor pursuant to the requirements of Regulation 33 of the Securities and Exchange Board of India (Listing Obligations and Disclosure Requirement) Regulations, 2015 ('the SEBI Regulations'). Their audit/ review of the financial statements/ results was conducted in accordance with the Standards on Auditing and other applicable authoritative pronouncements issued by the Institute of Chartered Accountants of India. Those Standards require that they plan and perform the audit to obtain reasonable assurance about whether the financial statements are free of material misstatement. Their audit/ review were not planned and performed in connection with any transactions to identify matters that may be of potential interest to third parties. We have placed reliance on these financial statements/ results and the report issued thereupon by Previous Auditor.

7. We have conducted examination of the Statement in accordance with the Guidance Note on Audit Reports and Certificates for Special Purposes, issued by the Institute of Chartered Accountants of India. The Guidance Note requires that we comply with the ethical requirements of the Code of Ethics issued by the Institute of Chartered Accountants of India.

8. We have complied with the relevant applicable requirements of the Standard on Quality Control (SQC) 1, Quality Control for Firms that perform Audits and Review Historical Financial Information, and Other Assurance and Related Services Engagements.

DSP & ASSOCIATES FRN 00579N NEW DELHI CHARTERED ACCOUNTANTS

NHPC LIMITED FARIDABAD

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Conclusion

9. Based on the procedures performed, evidence obtained and our examination of the financial statement/ results, as above, and the information and explanations given to us, we certify that the enclosed Statement showing the amount of impact on cost due to applicability of GST considering materiality concept is in agreement with the books of account and other records and financial statements/ results of the Company as produced to us for the purpose of our examination.

Restriction on use

10. Our work was performed solely to assist you in meeting your responsibilities for the purpose of "passing of impact of GST for changes in law to the beneficiaries" as referred to in Para 2 above. Our obligation in respect of this certificate are entirely separate from, and our responsibility and liability is in no way changed by any other role we may have (or may have had) as auditors of the Company or otherwise. Nothing in this report, nor anything said or done in the course of or in connection with the services that are the subject of this certificate, will extend any duty of care we may have in our capacity as auditors of the Company.

11. This Certificate has been issued at the request of the Management of the Company for the purpose of "passing of impact for changes in law to the beneficiaries" as referred to in Para 2 above. This Certificate should therefore not to be used for any other purpose or by any person other than the addressees of this certificate. Accordingly, we do not accept or assume any liability or duty of care for any other purpose or to any other person to whom this certificate is shown or into whose hands it may come save where expressly agreed by our prior consent in writing.

Firm Name: **DSP & ASSOCIATES**
Firm's ICAI Registration No: 006791N

Partner: **CA Atul Jain**
Membership No: **091431**
UDIN No.: **19091431AAAAAF6158**

Place: New Delhi
Date: 20th March, 2019

NHPC LIMITED FARIDABAD

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Summary of Additional Impact on account of GST
Tanakpur Power Station
01-07-2017 to 31-03-2018

Annexure-I
(Amount in Rs.)

Sl. No.	Particulars	2017-18	remarks
1	**Additional GST Impact on Security Services**		
	-CISF (including RCM)	2017974	
	-Other than CISF	154501	
2	**Additional GST Impact on work awarded in Pre-GST period but executed in post GST period forming part of O&M Exps.**		
	-R&M/ Manpower Works	711326	
	-Other Works	-1274358	
3	**Additional GST Impact on Supply awarded in Pre-GST period but executed in post GST period forming part of O&M Exps.**	435391	
4	**Additional GST Impact on work awarded & executed in post GST period forming part of O&M Exps.**		
	-R&M/ Manpower Works	391756	
	-Other Works	-620510	
5	**Additional GST Impact on Supply awarded & executed in post GST period forming part of O&M Exps.**	**-110297**	
6	**Additional GST Impact on RO/CO Management expenses. If any**	549759	This amount is GST levied on Allocation of C.O./RO expenses. GST impact on incurring of these expenses at their end is not known to Power Station
7	**Additional GST Impact on Other Services like insurance, advertisement service & telecom services etc**	682534	
		2938076	

HEAD OF FINANCE

HEAD OF POWER STATION

Note :

1. This Annexure has to be read subject to our certificate dated 20th March, 2019

2. Tax component for pre GST period, for working out impact of GST, has been worked out based on certain assumptions following materiality concept by the Company.

Pramod Kaul
Sr. M(Fin.)

ATUL JAIN
M.No. 091431.

NHPC LIMITED
FARIDABAD

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Summary of Additional Impact on account of GST

Tanakpur Power Station

01-04-2018 to 31-12-2018

Annexure-II

(Amount in Rs.)

Sl. No.	Particulars	2018-19	remarks
1	**Additional GST Impact on Security Services**		
	-CISF (including RCM)	2263549	
	-Other than CISF	128854	
2	**Additional GST Impact on work awarded in Pre-GST period but executed in post GST period forming part of O&M Exps.**		
	-R&M/ Manpower Works	313657	
	-Other Works	-46886	
3	**Additional GST Impact on Supply awarded in Pre-GST period but executed in post GST period forming part of O&M Exps.**	37008	
4	**Additional GST Impact on work awarded & executed in post GST period forming part of O&M Exps.**		
	-R&M/ Manpower Works	712400	
	-Other Works	-1282708	
5	**Additional GST Impact on Supply awarded & executed in post GST period forming part of O&M Exps.**	229963	
6	**Additional GST Impact on RO/CO Management expenses. If any**	869927	This amount is GST levied on Allocation of C.O./RO expenses. GST impact on incurring of these expenses at their end is not known to Power Station
7	**Additional GST Impact on Other Services like insurance & telecom services etc**	684548	
	TOTAL	3910312	

(SN K. GUPTA)

HEAD OF FINANCE

HEAD OF POWER STATION

Note :

1. This Annexure has to be read subject to our certificate dated 25th March, 2019
2. Tax component for pre GST period, for working out impact of GST, has been worked out based on certain assumptions following materiality concept by the Company.

Pramod Kaul

SM(Fin.)

ATUL SAIN

M.NO. 091431

NHPC LIMITED FARIDABAD

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DSP & ASSOCIATES
CHARTERED ACCOUNTANTS

783, Desh Bandhu Gupta Road,
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aksinghal@dspdelhi.in
Website: www.dspdelhi.in

Independent Auditors' Certificate

NHPC Limited
NHPC Office Complex,
Sector-33
Faridabad-121003
Haryana

Re: Auditors Certificate with respect to impact of Goods and services Tax (GST) due to change in Law for the period 1st January 2019 to 31st March 2019 in respect of TANAKPUR Power Station.

Introduction

1. This certificate is issued in accordance with the terms of our engagement letter dated 18th June, 2019.

2. We, DSP & Associates, Chartered Accountants (Firm's ICAI Registration No. 006791-N), the Joint statutory auditors ("the auditor") of the Company, having its registered office at NHPC Office Complex, Sector-33, Faridabad-121003, Haryana have been requested to provide the Certificate certifying the amount of Impact of Goods and services Tax (GST) for the period 1st January 2019 to 31st March 2019 in respect of TANAKPUR Power Station of the company during the control period 2014-2019 due to change in Law. The statement of additional O & M expenses ("the statement") which is meant for submission to Central Electricity Regulatory Commission (CERC) as compiled by the management is annexed here with **(Annexure C)** and has been initialled by us for identification.

Management's Responsibility

3. The Statement is solely the responsibility of the Management of the Company. The said statement has been compiled from the books and records of the Company and the Company's Management is responsible for the designing, implementing and maintaining internal control relevant for the preparation of the books of account and, the accuracy and completeness of the accounting records, and related details and information and compilation of the said statement therefrom and applying an appropriate basis for preparation of the same.

4. The management is also responsible for complying with the provisions of GST as well as rules, regulations, notifications and directives under Electricity Act 2003 and submitting the same to CERC.

DSP & ASSOCIATES * CHARTERED ACCOUNTANTS * FRN:006791N NEW DELHI

DSP & ASSOCIATES
CHARTERED ACCOUNTANTS

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Phone : 23684423, 23622076
Telefax : 23622094, 41545550
Email : dspdelhi@dspdelhi.in
aksinghal@dspdelhi.in
Website: www.dspdelhi.in

Auditor's Responsibility

5. It is our responsibility to certify the Statement based on our examination of the figures for the period 1st January 2019 to 31st March 2019 as given in the Statement with reference to the books of account and other relevant records of the Company and certify that these are in accordance therewith.

6. The financial Statement for the year ended 31st March 2019 were audited by us pursuant to the requirements of the Companies Act, 2013. Our audit of the financial statements was conducted in accordance with the Standards on Auditing and other applicable authoritative pronouncements issued by the Institute of Chartered Accountants of India. Those Standards require that we plan and perform the audit to obtain reasonable assurance about whether the financial statements are free of material misstatement. Our audit were not planned and performed in connection with any transactions to identify matters that may be of potential interest to third parties.

7. We have conducted examination of the Statement in accordance with the Guidance Note on Audit Reports and Certificates for Special Purposes, issued by the Institute of Chartered Accountants of India. The Guidance Note requires that we comply with the ethical requirements of the Code of Ethics issued by the Institute of Chartered Accountants of India.

8. We have complied with the relevant applicable requirements of the Standard on Quality Control(SQC) 1, Quality Control for Firms that perform Audits and Review Historical Financial Information, and Other Assurance and Related Services Engagements.

Conclusion

9. Based on the procedures performed, evidence obtained and our examination of the books and records, as above, and the information and explanations given to us, we certify that the figures for additional O & M Expenses incurred due to the Impact of GST as given in the attached statement **(Annexure C)** is in agreement with the books of account and other relevant records of the Company as produced to us for the purpose of our examination.

DSP & ASSOCIATES * CHARTERED ACCOUNTANTS * FRN:006791N NEW DELHI

DSP & ASSOCIATES
CHARTERED ACCOUNTANTS

783, Desh Bandhu Gupta Road,
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Telefax : 23622094, 41545550
Email : dspdelhi@dspdelhi.in
aksinghal@dspdelhi.in
Website: www.dspdelhi.in

Restriction on use

10. Our work was performed solely to assist you in meeting your responsibilities for complying with the provisions and directions pursuant to the provisions of Electricity Act 2003 in submission of your claim for additional O & M expenses incurred due to Impact of GST as referred to in Para 2 above. Our obligation in respect of this certificate are entirely separate from, and our responsibility and liability is in no way changed by any other role we may have (or may have had) as auditors of the Company or otherwise. Nothing in this report, nor anything said or done in the course of or in connection with the services that are the subject of this certificate, will extend any duty of care we may have in our capacity as auditors of the Company.

11. This Certificate has been issued at the request of the Management of the Company for submission to CERC in respect of their claim for additional O & M expenses due to Impact of GST as referred to in Para 2 above. This Certificate should therefore not to be used for any other purpose or by any person other than the addressees of this certificate. Accordingly, we do not accept or assume any liability or duty of care for any other purpose or to any other person to whom this certificate is shown or into whose hands it may come save where expressly agreed by our prior consent in writing.

For **DSP &Associates**
Chartered Accountants
Firm Registration Number: 006791-N

DSP & ASSOCIATES * CHARTERED ACCOUNTANTS * FRN:006791N NEW DELHI

CA SANJAY JAIN
Partner
Membership Number: 084906

Place: New Delhi
Dated: July 17, 2019

UDIN:19084906AAAAEX9216

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Annexure-I

Summary of Additional Impact on account of GST
Tanakpur Power Station
01-01-2019 to 31-03-2019

(Amount in Rs.)

Sl. No.	Particulars	2018-19	remarks
1	Additional GST Impact on Security Services		
	-CISF (including RCM)	760416	
	-Other than CISF	88408	
2	Additional GST Impact on work awarded in Pre-GST period but executed in post GST period forming part of O&M Exps.		
	-R&M/ Manpower Works	11010	
	-Other Works	-9969	
3	Additional GST Impact on Supply awarded in Pre-GST period but executed in post GST period forming part of O&M Exps.	201192	
4	Additional GST Impact on work awarded & executed in post GST period forming part of O&M Exps.		
	-R&M/ Manpower Works	425418	
	-Other Works	-373699	
5	Additional GST Impact on Supply awarded & executed in post GST period forming part of O&M Exps.	-91587	
6	Additional GST Impact on RO/CO Management expenses. If any	352002	This amount is GST levied on Allocation of C.O./RO expenses. GST impact on incurring of these expenses at their end is not known to Power Station
7	Additional GST Impact on Other Services like insurance & telecom services etc	198707	
	TOTAL	1561897	

DSP & ASSOCIATES * CHARTERED ACCOUNTANTS * FRN:006791N NEW DELHI

HEAD OF FINANCE

HEAD OF POWER STATION

ANNEX-VII

H U M S & ASSOCIATES
CHARTERED ACCOUNTANTS

307, Surya Complex
21, Veer Savarkar Block
Shakarpur, Delhi-110092
Tel: +91-9891251431
Mail:Joshi280@gmail.com

TO WHOMSOEVER IT MAY CONCERN

In terms of requirement of Regulation 25 of CERC Notification No.L-1/144/2013/CERC dated 21st February, 2014, read with Notification No.L-1/144/2013/CERC dated 5th November, 2015, 'Effective Tax Rate' for the Financial Year 2014-15 is 21.76% as per Annual Income Tax Return (Original) filed on 09.11.2015.

This Certificate is issued at the request of NHPC Limited and is based upon the audited books of accounts, income tax return filed, records and explanations provided to us.

For HUMS & Associates
Chartered Accountants
FRN- 022230N

HUMS & ASSOCIATES FRN 022230N DELHI Chartered Accountants

Partner
M.No. 505140

Place: New Delhi.
Date: 18.12.2015

NHPC LIMITED FARIDABAD

(Amount in rupees)

Calculation of Effective Tax Rate for the FY 2014-15 as per Original Return Filed on 09.11.2015

	Description	TOTAL	Total of O&M Projects	Corp Offices and others
	Profit Before Tax (PBT)	**28,261,704,421**	**22,439,574,070**	**5,822,130,351**
Add:	Provision for Project Expenses	511,541,213	43,345,046	468,196,167
	Disallowance of Provisions			0
	Provision for bad and doubtful claims and advances	358,935,014	91,917,068	267,017,946
	Provision for fixed assets provided for	253,509,697	253,225,778	283,919
	Diminution in value of assets and spares	3,821,506	3,821,506	0
	Provision for Others	(52,877)	123,328	(176,205)
	Interest to beneficiary states	205,119,790	205,119,790	0
	Disallowance u/s 40a(ia) - Intt on Delay Deposit of TDS	3,619,935	1,891,147	1,728,788
	Sub Total (A)	**29,598,198,699**	**23,039,017,733**	**6,559,180,966**
Less:	Tax Free bond /LTA Income	428,751,009	0	428,751,009
	Tax free Dividend income	615,608,200	0	615,608,200
	Provision for obsolete stores and spares used	133,706	133,706	0
	Provision for obsolete stores and spares reversed	5,940,621	5,940,621	0
	Provision for doubtful advances used/reversed	1,475,658	1,475,658	0
	Provision for other used reversed	708,380,059	0	708,380,059
	Sub Total (B)	**1,760,289,253**	**7,549,985**	**1,752,739,268**
	1. Book Profit for MAT (A-B)	**27,837,909,446**	23,031,467,748	4,806,441,698
	2. (i) Tax	**5,834,965,009**	**4,827,510,797**	**1,007,454,212**
	(ii) Interest	**65,714,469**	**54,368,331**	**11,346,138**
	3. Total Tax Paid	**5,900,679,478**	**4,881,879,128**	**1,018,800,350**
	4. Effective Tax Rate (3/PBT)	-	**21.76%**	-

NHPC LIMITED FARIDABAD

HUMS & ASSOCIATES Chartered Accountants FRN 022230N DELHI

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N M N & ASSOCIATES
Chartered Accountants

To

NHPC Limited
Sector 33 Faridabad
Haryana

Certificate in respect of "Effective Tax Rate for the financial year 2015-16 as per CERC Regulations"

1. Based on our examination and in terms of Regulation 25 of CERC Notification No.L-1/144/2013/CERC dated 21st February, 2014, read with Notification No.L-1/144/2013/CERC dated 5th November, 2015, 'Revised Effective Tax Rate' for the Financial Year 2015-16 is 21.948% as per assessment made under section 143(3) of Income Tax Act,1961. The effective tax rate as earlier intimated and as per Audited Financial Statements was 21.90%.

2. This certificate has been prepared at the request of the Company solely with reference to the Circular, as amended from time to time.

For N M N & Associates
Chartered Accounts
FRN 024341N

Nisha

(Nisha)
Partner
M.No.507212

Place: New Delhi
Dated: 11th June 2018

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C-6/162, Yamuna Vihar, Delhi- 110053 M : +91- 9868347766 E : nishaca2005@gmail.com

	Description	As Per Assessment	Hydro Power Projects	Other Than Hydro Power Projects
	Net Profit as per Profit & Loss account	[illegible]	[illegible]	[illegible]
Add:	Disallowance of Provisions			0
	Provision for Project Expenses	3,50,68,74,022	0	3,50,68,74,022
	Provision for bad and doubtful claims and advances	23,64,96,537	[illegible]	20,27,83,198
	Provision for doubtful debts created	52,94,486	26,06,186	26,88,300
	Provision for fixed assets provided for	6,29,30,554	4,66,45,516	1,63,85,038
	Diminution in value of assets and spares	69,26,809	64,89,447	4,37,362
	Provision for Others	10,36,095	5,50,986	4,85,109
	Interest to beneficiary states	27,58,01,282	27,58,01,282	0
	Total Addition	4,18,53,59,785	36,57,06,756	3,81,96,53,029
	Total	36,15,20,84,823	29,53,22,05,328	6,61,98,79,495
Less:	Deductions			
	Tax Free bond /LTA Income	19,04,28,520	0	19,04,28,520
	Tax free Dividend income	1,20,92,55,600	0	1,20,92,55,600
	Provision for obsolete stores and spares used	2,07,87,893	2,07,87,893	0
	Provision for obsolete stores and spares reversed	30,24,922	30,24,922	0
	Provision for doubtful claims used/revered	1,14,44,131	1,14,44,131	0
	Provision for doubtful advances used/reversed	47,42,619	26,34,000	21,08,619
	Provision for Project Expenses used / reversed	31,28,31,243	0	31,28,31,243
	Interest to beneficiary states used/reversed	6,75,58,662	6,75,58,662	0
		1,82,00,73,690	10,54,49,608	1,71,46,23,982
				0
	Book Profit for MAT	34,33,20,11,233	29,42,67,55,720	4,90,52,65,513
	Tax 21.3416 MAT	7,32,70,00,509	6,28,01,40,499	1,04,68,60,011
	Interest u/s 234B	1,72,81,100	1,48,12,028	24,69,072
	Interest u/s 234C	7,85,84,778	6,73,66,819	1,12,27,959
	Total Before Demand	7,42,28,66,387	6,36,23,09,346	1,06,05,57,041
	Demand Payment	33,02,08,380	3,35,60,140	29,66,48,240
	Intt. On Demand	5,36,72,396	54,54,898	4,82,17,498
	Total Interest	38,38,80,776	3,90,15,039	34,48,65,738
	Total	7,80,67,47,163	6,40,13,24,385	1,40,54,22,779
	Revised Effective Tax Rate		21.948%	
	Already Intimated vide certificate dated 03.08.2016		21.90%	

NHPC LIMITED FARIDABAD

[illegible] & ASSOCIATES NEW DELHI

NHPC LIMITED FARIDABAD

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HUMS & ASSOCIATES
Chartered Accountants

TO WHOMSOEVER IT MAY CONCERN

In terms of Regulation 25 of CERC Notification No.L-1/144/2013/CERC dated 21st February, 2014, read with Notification No.L-1/144/2013/CERC dated 5th November, 2015, 'Effective Tax Rate' for the Financial Year 2016-17 is 21.328% as per Audited Annual Accounts for the year ending on 31.03.2017.

This Certificate is issued at the request of NHPC Limited (formerly known as 'National Hydroelectric Power Corporation Limited') and is based upon the books of accounts, records and explanations provided.

For HUMS & Associates
Chartered Accountants
FRN – 022230N

HUMS & ASSOCIATES * Chartered Accountants * 022230N DELHI

(CA H.P. Joshi)
Partner
M.N. 505140

Place: New Delhi
Date: 02.06.2017

NHPC LIMITED FARIDABAD

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H.O.:- 307 Surya Complex, 21 Veer Savarkar Block, Shakarpur, Delhi-110092 | Ph.:- 011-43019077
B.O.:- 204, Dream Land House 1/18B Asaf Ali Road, New Delhi-110002 Ph:011-23215288/Fax:011-43598574

NHPC Limited

COMPUTATION OF TAXABLE INCOME FOR THE YEAR ENDED 31.03.2017

	Description	Total	Total of O &M	Corp Offices and others
	NET PROFIT AS PER STATEMENT OF PROFIT AND LOSS	**34,746,089,925**	**29,977,824,138**	**4,768,265,787**
Add:	Bad and doubtful debts provided	195,713,260	179,583,460	16,129,800
	Bad and doubtful claims provided	216,418,111	3,306,130	213,111,981
	Doubtful Interest Provided for	197,891,892	-	197,891,892
	Diminution in value of stores and spares	5,081,810	4,835,376	246,434
	Project expenses provided for	413,435,117	-	413,435,117
	Provision for fixed assets/ stores provided for	27,238,866	14,659,977	12,578,889
	Others	(720)	(720)	-
	C.O./Regional Office/PID Expenses	155,198	147,191	8,007
	LeaseAdjustment (1/5 of opening Reserves FY 2014-15&2015-16)	256,224,620	256,224,620	-
	OCI - Adjustment			
	Remeasurements of the defined benefit plans	(557,832,173)	(132,496,553)	(425,335,620)
	Opening - Retion Money & Prov. For Committed Capital Expenditure	57,307,298	-	57,307,298
	Sub Total	**35,557,723,204**	**30,304,083,619**	**5,253,639,585**
Less:	Dividend	2,074,936,800	-	2,074,936,800
	Tax Free Interest of Bonds and Loans and Advances	5,389,000	-	5,389,000
	Diminution in value of stores and spares	17,494,638	17,361,333	133,305
	Provision for doubtful claims	1,000,000	1,000,000	-
	Bad & Doubtful Interest accrued	24,613,932	-	24,613,932
	Interest to beneficiary states used/reversed	327,185,415	327,185,415	-
	Sub Total	**2,450,619,785**	**345,546,748**	**2,105,073,037**
	Book Profit for MAT	**33,107,103,419**	**29,958,536,871**	**3,148,566,548**
	MAT @ 21.3416%	**7,065,585,583**	**6,393,631,105**	**671,954,478**
	Effective Rate of Tax (in %)		21.328	

HUMS & ASSOCIATES
FRN 022230N
DELHI
Chartered Accountants

NHPC LIMITED
FARIDABAD

N M N & ASSOCIATES
Chartered Accountants

To

NHPC Limited
Sector 33 Faridabad
Haryana

Certificate in respect of "Effective Tax Rate for the financial year 2017-18 as per CERC Regulations"

1. Based on our examination and In terms of Regulation 25 of CERC Notification No.L-1/144/2013/CERC dated 21st February, 2014, read with Notification No.L-1/144/2013/CERC dated 5th November, 2015, 'Effective Tax Rate' for the Financial Year 2017-18 is 21.851% as per Annual Audited Financial Statements for the year ending on 31.03.2018 of NHPC Limited (the Company).

2. This certificate has been prepared at the request of the Company solely with reference to the Circular, as amended from time to time.

For N M N & Associates
Chartered Accounts
FRN 024341N

(Nisha)
Partner
M.No.507212

Place: New Delhi
Dated: 11th June 2018

NHPC LIMITED FARIDABAD

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C-6/162, Yamuna Vihar, Delhi- 110053 M : +91- 9868347766 E : nishaca2005@gmail.com

COMPUTATION OF BOOK PROFIT AND DEFERRED TAX (MAT) FOR THE FY 2017-18

S. No	Description	Total	Total of O &M	Corp Offices and others
	PROFIT BEFORE TAX	35,28,22,26,161	27,94,48,05,307	7,33,74,20,854
Add:	Provisions			
	Bad and doubtful debts provided	1,92,61,000		1,92,61,000
	Bad and doubtful claims provided	1,93,29,919	1,93,29,919	-
	Diminution in value of stores and spares	27,69,748	27,69,748	-
	Project expenses provided for	26,26,65,864	6,75,01,149	19,51,64,715
	Provision for fixed assets/ stores provided for	31,27,045	31,22,460	4,585
	Provision for Interest to Beneficiary	16,45,47,963	16,45,47,963	-
	Provision for interest against court/arbitration award	2,78,95,596	2,78,95,596	-
	Others	1,53,158	1,53,158	-
	C.O./Regional Office/PID Expenses	36,220	36,138	82
	Opening LeaseAdjustment (1/5 of opening Reserves FY 2014-15&2015-16)	25,62,24,620	25,62,24,620	-
	OCI - Adjustment			
	Remeasurements of the defined benefit plans	21,10,51,291	16,03,15,598	5,07,35,693
	Opening - Retion Money & Prov. For Committed Capital Expenditure	5,73,07,298	-	5,73,07,298
	Total of Addition	**1,02,43,69,722**	**70,18,96,349**	**32,24,73,373**
	Total	**36,30,65,95,883**	**28,64,67,01,656**	**7,65,98,94,227**
Less:	Exempt and Tax Free Income			-
	- Dividend	6,32,11,73,400	-	6,32,11,73,400
Less:	Provisions utilised/Reversed during the period		-	-
	Diminution in value of stores and spares	1,31,45,004	1,31,45,004	-
	Bad and doubtful debts	18,61,82,138	-	18,61,82,138
	Provision for doubtful claims	2,20,43,313	2,20,43,313	-
	Total ofDeduction	**6,54,25,43,855**	**3,51,88,317**	**6,50,73,55,538**
	Book Profit	**29,76,40,52,028**	**28,61,15,13,339**	**1,15,25,38,689**
	MAT @ 21.3416%	**6,35,21,24,928**	**6,10,61,54,731**	**24,59,70,197**
	Add: Interest u/s 234		-	-
	Total Tax including Interest	**6,35,21,24,928**	**6,10,61,54,731**	**24,59,70,197**
	Effective Rate of Tax		**21.851%**	







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KUMAR KASERA & COMPANY
CHARTERED ACCOUNTANT

Certificate No. :- 001/Jun/2019-20

TO WHOMSOEVER IT MAY CONCERN

In terms of Regulation 25 of CERC Notification No.L-1/144/2013/CERC dated 21st February, 2014, read with Notification No.L-1/144/2013/CERC dated 5th November, 2015, 'Effective Tax Rate' for the Financial Year 2018-19 is **22.157%** as per Audited Annual Accounts for the year ending on 31.03.2019.

This Certificate is issued at the request of NHPC Limited (formerly known as 'National Hydroelectric Power Corporation Limited') and is based upon the books of accounts, records and explanations provided.

For Kumar Kasera & Company
Chartered Accountants
Firm Reg No. 019401C

Kumar Kasera & Company * Chartered Accountants * FRN: 019401C

Nitesh Murarka
Partner
M.No. 531934
UDIN- **19531934AAAAAK5987**

Date:- June 17, 2019
Place:- New Delhi

NHPC LIMITED FARIDABAD

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H.O. :- 235, UGF, Anarkali Complex, Jhandewalan Extension, New Delhi- 110055
E-Mail: Murarkanitesh@yahoo.com, Mobile No. : 7827480102

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ANNEX-VIII

ANNEX - IX

एन एच पी सी लिमिटेड
(भारत सरकार का उद्यम)

NHPC Limited
(A Government of India Enterprise)

फोन/Phone :

संदर्भ सं./Ref. No. NH/Comml/Tariff/315/2014/1113

दिनांक/Date : 29.04.2014

क. वि. वि. आयोग
दिनांक 30/4/2014
प्राप्त हुआ

The Secretary,
Central Electricity Regulatory Commission,
3rd & 4th Floor, Chanderlok Building, 36,
Janpath, New Delhi – 110 001.

Sub.: Payment of yearly installment of filing fees for tariff petitions of 18 power stations of NHPC Limited for the tariff period 2014-19.

Sir,

We are in process of filing tariff petitions for our 18 projects. The requisite filing fee for the financial year 2014-15 has been paid by us through RTGS/NEFT as detailed below:

Sl. No.	Name of Project	Installed Capacity (MW)	Petition No.	Filing fee @ ₹4400/MW/Annum for FY 2014-15	UTR No.
1	Parbati-III	520	Yet to be filed	22,88,000	SBIN814118286640
2	Uri-II	240	Yet to be filed	10,56,000	SBIN814118286543
3	Nimoo Bazgo	45	Yet to be filed	1,98,000	SBIN714118978586
4	TLDP-III	132	Yet to be filed	5,80,800	SBIN814118294515
5	Chutak	44	Yet to be filed	1,93,600	SBIN814118286623
6	Chamera-III	231	Yet to be filed	10,16,400	SBIN814118294517
7	Sewa-II	120	Yet to be filed	5,28,000	SBIN814118294514
8	Teesta-V	510	Yet to be filed	22,44,000	SBIN814118286637
9	Dulhasti	390	Yet to be filed	17,16,000	SBIN814118286619
10	Dhauliganga	280	Yet to be filed	12,32,000	SBIN814118286565
11	Chamera-II	300	Yet to be filed	13,20,000	SBIN814118294436
12	Rangit	60	Yet to be filed	2,64,000	SBIN814118286782
13	Uri-I	480	Yet to be filed	21,12,000	SBIN814118286627
14	Chamera-I	540	Yet to be filed	23,76,000	SBIN814118286779
15	Tanakpur	94.2	Yet to be filed	4,14,480	SBIN814118286787
16	Salal	690	Yet to be filed	30,36,000	SBIN814118286785
17	Loktak	105	Yet to be filed	4,62,000	SBIN814118294513
18	Bairasiul	180	Yet to be filed	7,92,000	SBIN814118294516
Total filing fee to be paid for FY 2014-15				**2,18,29,280**	

Contd.2

NHPC LIMITED FARIDABAD

Details of remittance through RTGS/NEFT are provided in enclosed **Form–I** as per CERC (Payment of Fees) Regulations, 2012 for each project.

Kindly acknowledge receipt.

Encl.: Form–I (18 sheets).

Thanking you,

Yours sincerely,

29/4/14

(A. K. Pandey)
Chief Engineer (Comml.)
Telefax No.0129-2256558

NHPC LIMITED
FARIDABAD

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Form-I

Sl. No.	Particulars	
1	Name of the Petitioner/Applicant	**NHPC LIMITED**
2	Address of the Petitioner/Applicant	NHPC OFFICE COMPLEX, SECTOR-33, FARIDABAD-121003 (HARYANA)
3	Subject Matter	Payment of yearly installment (i.e. for FY 2014-15) of filing fee for Tariff Petition regarding approval of generation tariff of **Tanakpur Power Station** for the period 01.04.2014 to 31.03.2019.
4	Petition No., if any	
5	Details of generation assets	
(a)	generating station/units	Tanakpur/ 4 units
(b)	Capacity in MW	94.2 MW (3 x 31.4 MW)
(c)	Date of commercial operation	01.04.1993
(d)	Period for which fee paid	01.04.2014 to 31.03.2015
(e)	Amount of fee paid	₹ 4,14,480 /-
(f)	Surcharge, if any	Nil
6	Details of transmission assets	
(a)	Transmission line and sub-stations	NOT APPLICABLE
(b)	Date of commercial operation	
(c)	Period for which fee paid	
(d)	Amount of fee paid	
(e)	Surcharge, if any	
7	Fee paid for Adoption of tariff for	
(a)	Generation asset	NOT APPLICABLE
(b)	Transmission asset	
8	Application fee for licence	
(a)	Trading licence	NOT APPLICABLE
(b)	Transmission licence	
(c)	Period for which paid	
(d)	Amount of fee paid	
9	Fees paid for Miscellaneous Application	NOT APPLICABLE
10	Fees paid for Interlocutory Application	NOT APPLICABLE
11	Fee paid for Regulatory Compliance petition	NOT APPLICABLE
12	Fee paid for Review Application	NOT APPLICABLE
13	Licence fee for inter-State Trading	
(a)	Category	NOT APPLICABLE
(b)	Period	
(c)	Amount of fee paid	
(d)	Surcharge, if any	
14	Licence fee for inter-State Transmission	
(a)	Expected/Actual transmission charge	NOT APPLICABLE
(b)	Period	
(c)	Amount of fee calculated as a percentage of transmission charge.	
(d)	Surcharge, if any	
15	Annual Registration Charge for Power Exchange	
(a)	Period	NOT APPLICABLE
(b)	Amount of turnover	
(c)	Fee paid	
(d)	Surcharge, if any	
16	Details of fee remitted	
(a)	UTR No.	SBIN814118286787
(b)	Date of remittance	28.04.2014
(c)	Amount remitted	₹ 4,14,480 /-

Note : While Sl. Nos. 1 to 3 and 16 are compulsory, the rest may be filled up as applicable.

29/4/14

Signature of the authorized signatory with date

NHPC LIMITED FARIDABAD

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एनएचपीसी लिमिटेड
(भारत सरकार का उद्यम)

NHPC Limited
(A Government of India Enterprise)

एक कदम स्वच्छता की ओर

फोन/Phone :

संदर्भ सं./Ref. No. NH/Comml/Tariff/315/2015/357

दिनांक/Date : 28.04.2015

28 APR 2015

The Secretary,
Central Electricity Regulatory Commission,
3rd & 4th Floor, Chanderlok Building, 36,
Janpath, New Delhi – 110 001.

Sub.: Payment of yearly installment of filing fees for tariff petitions of 18 power stations of NHPC Limited for the tariff period 2014-19-Regg.

Sir,

We have filled tariff petitions for our 17 projects and filing of tariff petition for Parbati-III project is in process. The requisite filing fee for the financial year 2015-16 has been paid by us through RTGS/NEFT as detailed below:

Sl. No.	Name of Project	Installed Capacity (MW)	Petition No.	Filing fee @ ₹4400/MW/Annum for FY 2015-16	UTR No.
1	Parbati-III	520	Yet to be filed	22,88,000	SBIN215117557088
2	Uri-II	240	250/GT/2014	10,56,000	SBIN215117557124
3	Nimoo Bazgo	45	229/GT/2014	1,98,000	SBIN215117557415
4	TLDP-III	132	248/GT/2014	5,80,800	SBIN215117557164
5	Chutak	44	252/GT/2014	1,93,600	SBIN215117557414
6	Chamera-III	231	249/GT/2014	10,16,400	SBIN215117557121
7	Sewa-II	120	251/GT/2014	5,28,000	SBIN215117557411
8	Teesta-V	510	234/GT/2014	22,44,000	SBIN215117557161
9	Dulhasti	390	231/GT/2014	17,16,000	SBIN215117557435
10	Dhauliganga	280	230/GT/2014	12,32,000	SBIN215117557131
11	Chamera-II	300	233/GT/2014	13,20,000	SBIN215117557420
12	Rangit	60	232/GT/2014	2,64,000	SBIN215117557440
13	Uri-I	480	238/GT/2014	21,12,000	SBIN215117557463
14	Chamera-I	540	237/GT/2014	23,76,000	SBIN215117557111
15	Tanakpur	94.2	226/GT/2014	4,14,480	SBIN215117557035
16	Salal	690	236/GT/2014	30,36,000	SBIN215117557156
17	Loktak	105	228/GT/2014	4,62,000	SBIN215117557416
18	Bairasiul	180	235/GT/2014	7,92,000	SBIN215117557099
Total filing fee to be paid for FY 2015-16				**2,18,29,280**	

Contd.2

पंजीकृत कार्यालय : एन एच पी सी ऑफिस कॉम्पलैक्स, सैक्टर–33, फरीदाबाद – 121003, हरियाणा
Regd. Office : NHPC Office Complex, Sector-33, Faridabad - 121 003, Haryana
CIN : L40101HR1975GOI032564; Website : www.nhpcindia.com; E-mail : webmaster@nhpc.nic.in; Fax : 0129-2277941; EPABX No. : 0129-2588110/2588500

NHPC LIMITED FARIDABAD

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Continuation Sheet No. .....2.....

Details of remittance through RTGS/NEFT are indicated in enclosed **Form–I** as per CERC (Payment of Fees) Regulations, 2012.

Encl.: Form–I (18 sheets).

Thanking you,

Yours sincerely,

28/4/15

(A. K. Pandey)
Chief Engineer (Comml.)
Telefax No.0129-2256558

o/c

NHPC LIMITED FARIDABAD

Form-I 342

Sl. No.	Particulars	
1	Name of the Petitioner/Applicant	NHPC LIMITED
2	Address of the Petitioner/Applicant	NHPC OFFICE COMPLEX, SECTOR-33, FARIDABAD-121003 (HARYANA)
3	Subject Matter	Payment of yearly installment (i.e for FY 2015-16) of filing fee for Tariff Petition regarding approval of generation tariff of **Tanakpur Power Station** for the period 01.04.2014 to 31.03.2019.
4	Petition No., if any	226/GT/2014
5	Details of generation assets	
(a)	generating station/units	Tanakpur/ 4 units
(b)	Capacity in MW	94.2 MW (3 x 31.4 MW)
(c)	Date of commercial operation	01.04.1993
(d)	Period for which fee paid	01.04.2015 to 31.03.2016
(e)	Amount of fee paid	₹ 4,14,480 /-
(f)	Surcharge, if any	Nil
6	Details of transmission assets	
(a)	Transmission line and sub-stations	NOT APPLICABLE
(b)	Date of commercial operation	
(c)	Period for which fee paid	
(d)	Amount of fee paid	
(e)	Surcharge, if any	
7	Fee paid for Adoption of tariff for	
(a)	Generation asset	NOT APPLICABLE
(b)	Transmission asset	
8	Application fee for licence	
(a)	Trading licence	NOT APPLICABLE
(b)	Transmission licence	
(c)	Period for which paid	
(d)	Amount of fee paid	
9	Fees paid for Miscellaneous Application	NOT APPLICABLE
10	Fees paid for Interlocutory Application	NOT APPLICABLE
11	Fee paid for Regulatory Compliance petition	NOT APPLICABLE
12	Fee paid for Review Application	NOT APPLICABLE
13	Licence fee for inter-State Trading	
(a)	Category	NOT APPLICABLE
(b)	Period	
(c)	Amount of fee paid	
(d)	Surcharge, if any	
14	Licence fee for inter-State Transmission	
(a)	Expected/Actual transmission charge	NOT APPLICABLE
(b)	Period	
(c)	Amount of fee calculated as a percentage of transmission charge.	
(d)	Surcharge, if any	
15	Annual Registration Charge for Power Exchange	
(a)	Period	NOT APPLICABLE
(b)	Amount of turnover	
(c)	Fee paid	
(d)	Surcharge, if any	
16	Details of fee remitted	
(a)	UTR No.	SBIN215117557035
(b)	Date of remittance	27.04.2014
(c)	Amount remitted	₹ 4,14,480 /-

Note : While Sl. Nos. 1 to 3 and 16 are compulsory, the rest may be filled up as applicable.

Signature of the authorized signatory with date

NHPC LIMITED FARIDABAD

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(53)

एनएचपीसी लिमिटेड
(भारत सरकार का उद्यम)

NHPC Limited
(A Government of India Enterprise)

स्वच्छ भारत
एक कदम स्वच्छता की ओर

फोन/Phone :

संदर्भ सं./Ref. No. NH/Comml/Tariff/315/2016/1049 के. वि. विनियामक आयोग 29.04.2016

29 APR 2016
प्राप्त हुआ

The Secretary,
Central Electricity Regulatory Commission,
3rd & 4th Floor, Chanderlok Building,
36-Janpath, New Delhi – 110 001.

Sub.: Payment of yearly installment (FY 2016-17) of filing fees in respect of tariff petitions of 18 power stations of NHPC Limited-Regg.

Sir,

We have already filled tariff petitions for our 17 power stations and filing of tariff petition for Parbati-III power station for the period 2014-19 is in process. The requisite filing fee for the financial year **2016-17** has been paid by us through RTGS/NEFT as detailed below:

Sl. No.	Name of Project	Installed Capacity (MW)	Petition No.	Filing fee @ ₹4400/MW/Annum for FY 2016-17	UTR No.
1	Parbati-III	520	Yet to be filed	22,88,000	SBIN316119888222
2	Uri-II	240	250/GT/2014	10,56,000	SBIN316119888095
3	Nimoo Bazgo	45	229/GT/2014	1,98,000	SBIN316119888194
4	TLDP-III	132	248/GT/2014	5,80,800	SBIN316119888257
5	Chutak	44	252/GT/2014	1,93,600	SBIN316119888147
6	Chamera-III	231	249/GT/2014	10,16,400	SBIN316119888070
7	Sewa-II	120	251/GT/2014	5,28,000	SBIN316119888262
8	Teesta-V	510	234/GT/2014	22,44,000	SBIN316119888200
9	Dulhasti	390	231/GT/2014	17,16,000	SBIN316119888124
10	Dhauliganga	280	230/GT/2014	12,32,000	SBIN316119888099
11	Chamera-II	300	233/GT/2014	13,20,000	SBIN316119888121
12	Rangit	60	232/GT/2014	2,64,000	SBIN316119888209
13	Uri-I	480	238/GT/2014	21,12,000	SBIN316119888206
14	Chamera-I	540	237/GT/2014	23,76,000	SBIN316119888224
15	Tanakpur	94.2	226/GT/2014	4,14,480	SBIN316119888250
16	Salal	690	236/GT/2014	30,36,000	SBIN316119888210
17	Loktak	105	228/GT/2014	4,62,000	SBIN316119888236
18	Bairasiul	180	235/GT/2014	7,92,000	SBIN316119888215
Total filing fee to be paid for FY 2016-17				**2,18,29,280**	

Contd.2/.....

पंजीकृत कार्यालय : एन एच पी सी ऑफिस कॉम्पलैक्स, सैक्टर–33, फरीदाबाद – 121003, हरियाणा
Regd. Office : NHPC Office Complex, Sector-33, Faridabad - 121 003, Haryana
CIN : L40101HR1975GOI032564; Website : www.nhpcindia.com; E-mail : webmaster@nhpc.nic.in; Fax : 0129-2277941; EPABX No. : 0129-2588110/2588500

NHPC LIMITED FARIDABAD

(52)

एक कदम स्वच्छता की ओर

Continuation Sheet No. 2

Details of remittance through RTGS/NEFT are indicated in enclosed **Form–I** separately for 18 Power Stations as per CERC (Payment of Fees) Regulations, 2012.

Encl.: Form–I (18 sheets).

Thanking you,

Yours sincerely,

29/4/16

(Parag Saxena)
Chief Engineer (Comml.)
Telefax No.0129-2256035

O/C 29/4/16

NHPC LIMITED FARIDABAD

(37)

Form-I

Sl. No.	Particulars	
1	Name of the Petitioner/Applicant	**NHPC LIMITED**
2	Address of the Petitioner/Applicant	NHPC OFFICE COMPLEX, SECTOR-33, FARIDABAD-121003 (HARYANA)
3	Subject Matter	Payment of yearly installment (i.e. for FY 2016-17) of filing fee for Tariff Petition regarding approval of generation tariff of **Tanakpur Power Station** for the period 01.04.2014 to 31.03.2019.
4	Petition No., if any	226/GT/2014
5	Details of generation assets	
(a)	generating station/units	Tanakpur/ 4 units
(b)	Capacity in MW	94.2 MW (3 x 31.4 MW)
(c)	Date of commercial operation	01.04.1993
(d)	Period for which fee paid	01.04.2016 to 31.03.2017
(e)	Amount of fee paid	₹ 4,14,480 /-
(f)	Surcharge, if any	Nil
6	Details of transmission assets	
(a)	Transmission line and sub-stations	NOT APPLICABLE
(b)	Date of commercial operation	
(c)	Period for which fee paid	
(d)	Amount of fee paid	
(e)	Surcharge, if any	
7	Fee paid for Adoption of tariff for	
(a)	Generation asset	NOT APPLICABLE
(b)	Transmission asset	
8	Application fee for licence	
(a)	Trading licence	NOT APPLICABLE
(b)	Transmission licence	
(c)	Period for which paid	
(d)	Amount of fee paid	
9	Fees paid for Miscellaneous Application	NOT APPLICABLE
10	Fees paid for Interlocutory Application	NOT APPLICABLE
11	Fee paid for Regulatory Compliance petition	NOT APPLICABLE
12	Fee paid for Review Application	NOT APPLICABLE
13	Licence fee for inter-State Trading	
(a)	Category	NOT APPLICABLE
(b)	Period	
(c)	Amount of fee paid	
(d)	Surcharge, if any	
14	Licence fee for inter-State Transmission	
(a)	Expected/Actual transmission charge	NOT APPLICABLE
(b)	Period	
(c)	Amount of fee calculated as a percentage of transmission charge.	
(d)	Surcharge, if any	
15	Annual Registration Charge for Power Exchange	
(a)	Period	NOT APPLICABLE
(b)	Amount of turnover	
(c)	Fee paid	
(d)	Surcharge, if any	
16	Details of fee remitted	
(a)	UTR No.	SBIN316119888250
(b)	Date of remittance	28.04.2016
(c)	Amount remitted	₹ 4,14,480 /-

Note : While Sl. Nos. 1 to 3 and 16 are compulsory, the rest may be filled up as applicable.

Signature of the authorized signatory with date 29/04/16

NHPC LIMITED FARIDABAD

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एनएचपीसी लिमिटेड
(भारत सरकार का उद्यम)
NHPC Limited
(A Government of India Enterprise)

स्वच्छ भारत
एक कदम स्वच्छता की ओर

फोन/Phone :
दिनांक/Date : 28.04.2017

संदर्भ सं./Ref. No. NH/Comml/Tariff/315/2017/363

Secretary,
Central Electricity Regulatory Commission,
3rd & 4th Floor, Chanderlok Building,
36-Janpath,
New Delhi – 110 001.

Sub.: Payment of yearly installment (FY 2017-18) of filing fees in respect of tariff petitions of 19 power stations of NHPC Limited-Regg.

Sir,

We have submitted tariff petitions for our 19 power stations for the period 2014-19 in CERC. In compliance to Regulation 3 of CERC (Payment of Fees) Regulations, 2012, the requisite filing fee (@ ₹4400/MW) for the financial year **2017-18** works out to **₹ 2,08,02,694/-** as per the details enclosed at **Annexure-I**. We had earlier remitted filing fee in respect of our Parbati-III & TLDP-IV Power Stations based on anticipated COD of different units. However, the actual COD of units have been changed subsequently. Accordingly, the excess / shortfall in filing fee for the previous years in respect of above two power stations have also been adjusted this time. The details of computations of the same are enclosed at **Annexure-II** and **Annexure-III** for Parbati-III & TLDP-IV Power Stations respectively.

The total filing fee of **₹ 2,08,02,694/-** (Rs. Two Crore Eight Lakhs Two Thousand Six Hundred Ninety Four only) has been remitted in CERC account (A/c no. **209914801140001,** Corporation Bank, KG Marg, New Delhi) with **UTR No. SBIN317115658067** on 25.04.2017. Details of remittance through RTGS/NEFT are indicated in enclosed **Form–I (Annexure-IV)** separately for 19 Power Stations as per CERC (Payment of Fees) Regulations, 2012.

Encl.: As above.

Thanking you,

Yours sincerely,

28/4/17

(A K Pandey)
Chief Engineer (Comml.)
Telefax No.0129-2256558

पंजीकृत कार्यालय : एन एच पी सी ऑफिस कॉम्पलैक्स, सैक्टर–33, फरीदाबाद – 121003, हरियाणा
Regd. Office : NHPC Office Complex, Sector-33, Faridabad - 121 003, Haryana
CIN : L40101HR1975GOI032564; Website : www.nhpcindia.com; E-mail :
webmaster@nhpc.nic.in; Fax : 0129-2277941; EPABX No. : 0129-2588110/2588500

NHPC LIMITED FARIDABAD

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Annexure-I

Tariff Filing Fee for FY 2017-18 - NHPC Power Stations

Sl No.	Name of project	Installed Capacity (MW)	Filing Fee @ ₹ 4400/MW/annum
1	Bairasiul	180	7,92,000
2	Loktak	105	4,62,000
3	Salal	690	30,36,000
4	Tanakpur	94.2	4,14,480
5	Chamera-I	540	23,76,000
6	Uri-I	480	21,12,000
7	Rangit	60	2,64,000
8	Chamera-II	300	13,20,000
9	Dhauliganga	280	12,32,000
10	Dulhasti	390	17,16,000
11	Teesta-V	510	22,44,000
12	Sewa -II	120	5,28,000
13	Chamera-III	231	10,16,400
14	Chutak	44	1,93,600
15	TLDP-III	132	5,80,800
16	Nimoo Bazgo	45	1,98,000
17	Uri-II	240	10,56,000
18	Parbati-III *	520	5,45,359
19	TLDP-IV ^	160	7,16,055
Total (Amount in ₹)			**2,08,02,694**

Note:

* Amount of (-) ₹ 17,42,641/- has been adjusted (Ref: **Annexure-II**)

^ Amount of (+) ₹ 12,055/- has been adjusted (Ref: **Annexure-III**)

NHPC LIMITED FARIDABAD

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Annexure-II

I. Amount based on actual COD of units - Parbati-III Power Station

Sl No.	Financial Year	Amount		
1	FY 2013-14	28,208		
2	FY 2014-15	21,84,570		
3	FY 2015-16	22,88,000		
4	FY 2016-17	22,88,000		
Total		**67,88,778**	**(A)**	

II. Amount already paid to CERC - Parbati-III Power Station

Sl No.	Financial Year	Amount	UTR No.	Date
1	FY 2013-14	16,67,419	SBINH13087359587	28.03.2013
2	FY 2014-15	22,88,000	SBIN814118286640	28.04.2014
3	FY 2015-16	22,88,000	SBIN215117557088	28.04.2015
4	FY 2016-17	22,88,000	SBIN316119888222	29.04.2016
Total		**85,31,419**	**(B)**	

III. Difference (A-B) **-17,42,641**

NHPC LIMITED FARIDABAD

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Annexure-III

I. Amount based on actual COD of units - TLDP-IV Power Station

Sl No.	Units	Capacity (MW)	COD	Upto	No. of days (2015-16)	No. of days (2016-17)	Filing Fee @ ₹ 4400/MW
1	Unit#1	40	11.03.2016	31.03.2017	21	365	1,86,098
2	Unit#2	40	31.03.2016	31.03.2017	1	365	1,76,481
3	Unit#3	40	17.07.2016	31.03.2017		258	1,24,405
4	Unit#4	40	19.08.2016	31.03.2017		225	1,08,493
Total (Amount in ₹)							5,95,478

II. Amount already remitted in CERC alongwith petition No. 107/GT/2016 (UTR No. SBIN816180083064)	5,83,423
III. Balance amount to be paid to CERC	12,055

NHPC LIMITED FARIDABAD

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Form-I

Sl. No.	Particulars	
1	Name of the Petitioner/Applicant	NHPC LIMITED
2	Address of the Petitioner/Applicant	NHPC OFFICE COMPLEX, SECTOR-33, FARIDABAD-121003 (HARYANA)
3	Subject Matter	Payment of yearly installment (i.e. for FY 2017-18) of filing fee for Tariff Petition regarding approval of generation tariff of **Tanakpur Power Station** for the period 01.04.2014 to 31.03.2019.
4	Petition No., if any	226/GT/2014
5	Details of generation assets	
(a)	generating station/units	Tanakpur/ 4 units
(b)	Capacity in MW	94.2 MW (3 x 31.4 MW)
(c)	Date of commercial operation	01.04.1993
(d)	Period for which fee paid	01.04.2017 to 31.03.2018
(e)	Amount of fee paid	₹ 4,14,480 /-
(f)	Surcharge, if any	Nil
6	Details of transmission assets	
(a)	Transmission line and sub-stations	NOT APPLICABLE
(b)	Date of commercial operation	
(c)	Period for which fee paid	
(d)	Amount of fee paid	
(e)	Surcharge, if any	
7	Fee paid for Adoption of tariff for	
(a)	Generation asset	NOT APPLICABLE
(b)	Transmission asset	
8	Application fee for licence	
(a)	Trading licence	NOT APPLICABLE
(b)	Transmission licence	
(c)	Period for which paid	
(d)	Amount of fee paid	
9	Fees paid for Miscellaneous Application	NOT APPLICABLE
10	Fees paid for Interlocutory Application	NOT APPLICABLE
11	Fee paid for Regulatory Compliance petition	NOT APPLICABLE
12	Fee paid for Review Application	NOT APPLICABLE
13	Licence fee for inter-State Trading	
(a)	Category	NOT APPLICABLE
(b)	Period	
(c)	Amount of fee paid	
(d)	Surcharge, if any	
14	Licence fee for inter-State Transmission	
(a)	Expected/Actual transmission charge	NOT APPLICABLE
(b)	Period	
(c)	Amount of fee calculated as a percentage of transmission charge.	
(d)	Surcharge, if any	
15	Annual Registration Charge for Power Exchange	
(a)	Period	NOT APPLICABLE
(b)	Amount of turnover	
(c)	Fee paid	
(d)	Surcharge, if any	
16	Details of fee remitted	
(a)	UTR No.	SBIN317115658067
(b)	Date of remittance	25.04.2017
(c)	Amount remitted	₹ 4,14,480 /-

Note : While Sl. Nos. 1 to 3 and 16 are compulsory, the rest may be filled up as applicable.

Signature of the authorized signatory with date

NHPC LIMITED FARIDABAD

एनएचपीसी लिमिटेड
(भारत सरकार का उद्यम)
NHPC Limited
(A Government of India Enterprise)

एक कदम स्वच्छता की ओर

फोन/Phone :

संदर्भ सं./Ref. No. NH/Comml/Tariff/315/2018/795

दिनांक/Date : 27.04.2018

Secretary,
Central Electricity Regulatory Commission,
3rd & 4th Floor, Chanderlok Building,
36-Janpath,
New Delhi – 110 001.

Sub.: Payment of yearly installment (FY 2018-19) of filing fee in respect of tariff petitions of 20 power stations of NHPC Limited-Regg.

Sir,

We have submitted tariff petitions for our 20 power stations for the period 2014-19 in CERC. In compliance to Regulation 3 of CERC (Payment of Fees) Regulations, 2012, the requisite filing fee (@ ₹4400/MW) for the financial year **2018-19** works out to **₹ 2,37,83,680/-** as per the details enclosed at **Annexure-I**. We had remitted filing fee in respect of our Kishanganga HEP for FY 2017-18 (petition no. 43/GT/2018) based on anticipated COD of different units. As the COD of units are yet to be declared, the excess filing fee for the previous year has been adjusted this time (details enclosed at **Annexure-II**).

27/4/18

The total filing fee of **₹ 2,37,83,680/-** (Rs. Two Crore Thirty Seven Lakhs Eighty Three Thousand Six Hundred Eighty only) has been remitted in CERC account (A/c no. **520143000000051,** Corporation Bank, KG Marg, New Delhi) with **UTR No. SBIN718116392141** on 26.04.2018. Details of remittance through RTGS/NEFT are indicated in enclosed **Form–I (Annexure-III)** separately for 20 Power Stations as per CERC (Payment of Fees) Regulations, 2012.

Encl.: As above.

Thanking you,

Yours sincerely,

27/4/18

(A K Pandey)
Chief Engineer (Comml.)
Telefax No.0129-2256558

o/c

पंजीकृत कार्यालय : एन एच पी सी ऑफिस कॉम्पलैक्स, सैक्टर–33, फरीदाबाद – 121003, हरियाणा
Regd. Office : NHPC Office Complex, Sector-33, Faridabad - 121 003, Haryana
CIN : L40101HR1975GOI032564; Website : www.nhpcindia.com; E-mail : webmaster@nhpc.nic.in; Fax : 0129-2277941; EPABX No. : 0129-2588110/2588500

NHPC LIMITED FARIDABAD

Annexure -I

Tariff Filing Fee for FY 2018-19 - NHPC Power Stations.

Sl. No.	Name of Project	Installed Capacity (MW)	Filing Fee Rs. 4400/MW/Annum
1	Bairasiul	180	792000
2	Loktak	105	462000
3	Salal	690	3036000
4	Tanakpur	94.2	414480
5	Chamera-I	540	2376000
6	Uri-I	480	2112000
7	Rangit	60	264000
8	Chamera-II	300	1320000
9	Dhauliganga	280	1232000
10	Dulhasti	390	1716000
11	Teesta-V	510	2244000
12	Sewa-II	120	528000
13	Chamera-III	231	1016400
14	Chutak	44	193600
15	TLDP-III	132	580800
16	Nimoo Bazgo	45	198000
17	Uri-II	240	1056000
18	Parbati-III	520	2288000
19	TLDP-IV	160	704000
20	Kishanganga*	330	1250400
Total (Amaount Rs.)			23783680

* Amount of Rs.201600/- has been adjusted (Ref Annexure 2)

NHPC LIMITED FARIDABAD

Annexure 2

Calculation of Tariff Filing Fee of Kishanganga HEP for 2018-19

Sr. No.	Description	Amount
1	Tariff Filing Fee	1452000
2	Petition Fee Paid in 2017-18 alongwith the Tariff Petition dated 18.01.2018	201600
	Net Fee to be Paid	1250400

NHPC LIMITED
FARIDABAD

Form-I

Sl. No.	Particulars	
1	Name of the Petitioner/Applicant	**NHPC LIMITED**
2	Address of the Petitioner/Applicant	NHPC OFFICE COMPLEX, SECTOR-33, FARIDABAD-121003 (HARYANA)
3	Subject Matter	Payment of yearly installment (i.e. for FY 2018-19) of filing fee for Tariff Petition regarding approval of generation tariff of **Tanakpur Power Station** for the period 01.04.2014 to 31.03.2019.
4	Petition No., if any	226/GT/2014
5	Details of generation assets	
(a)	generating station/units	Tanakpur/ 4 units
(b)	Capacity in MW	94.2 MW (3 x 31.4 MW)
(c)	Date of commercial operation	01.04.1993
(d)	Period for which fee paid	01.04.2018 to 31.03.2019
(e)	Amount of fee paid	₹ 4,14,480 /-
(f)	Surcharge, if any	Nil
6	Details of transmission assets	
(a)	Transmission line and sub-stations	NOT APPLICABLE
(b)	Date of commercial operation	
(c)	Period for which fee paid	
(d)	Amount of fee paid	
(e)	Surcharge, if any	
7	Fee paid for Adoption of tariff for	
(a)	Generation asset	NOT APPLICABLE
(b)	Transmission asset	
8	Application fee for licence	
(a)	Trading licence	NOT APPLICABLE
(b)	Transmission licence	
(c)	Period for which paid	
(d)	Amount of fee paid	
9	Fees paid for Miscellaneous Application	NOT APPLICABLE
10	Fees paid for Interlocutory Application	NOT APPLICABLE
11	Fee paid for Regulatory Compliance petition	NOT APPLICABLE
12	Fee paid for Review Application	NOT APPLICABLE
13	Licence fee for inter-State Trading	
(a)	Category	NOT APPLICABLE
(b)	Period	
(c)	Amount of fee paid	
(d)	Surcharge, if any	
14	Licence fee for inter-State Transmission	
(a)	Expected/Actual transmission charge	NOT APPLICABLE
(b)	Period	
(c)	Amount of fee calculated as a percentage of transmission charge.	
(d)	Surcharge, if any	
15	Annual Registration Charge for Power Exchange	
(a)	Period	NOT APPLICABLE
(b)	Amount of turnover	
(c)	Fee paid	
(d)	Surcharge, if any	
16	Details of fee remitted	
(a)	UTR No.	SBIN718116392141
(b)	Date of remittance	26.04.2018
(c)	Amount remitted	₹ 4,14,480 /-

Note : While Sl. Nos. 1 to 3 and 16 are compulsory, the rest may be filled up as applicable.

Adv. 27/4/18

Signature of the authorized signatory with date

NHPC LIMITED FARIDABAD

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एनएचपीसी लिमिटेड
(भारत सरकार का उद्यम)
NHPC Limited
(A Government of India Enterprise)

स्वच्छ भारत
एक कदम स्वच्छता की ओर

फोन/Phone :_____
दिनांक/Date : 29.04.2019

संदर्भ सं./Ref. No. NH/Comml/Tariff/357/2019/318

Secretary,
Central Electricity Regulatory Commission,
3rd & 4th Floor, Chanderlok Building,
36-Janpath, New Delhi – 110 001.

Sub.: Payment of yearly installment of petition filing fee for FY 2019-20 in respect of 20 power stations of NHPC Limited - Reg.

Sir,

We are in the process of filing tariff petitions for our 20 power stations for the period 2019-24 in CERC. In compliance to Regulation 3 of CERC (Payment of Fees) Regulations, 2012, the requisite filing fee (@ ₹4400/MW) for the financial year **2019-20** works out to **₹2,37,82,398/-** (Rs. Two Crore Thirty Seven Lakhs Eighty Two Thousand Three Hundred Ninety Eight only) as per the details enclosed at **Annexure-I**. We had remitted filing fee in respect of our Kishanganga HEP for the full year during FY2018-19 in petition no. 43/GT/2018. As the COD of units were declared on 18.05.2018 (unit#1) & 24.05.2018 (unit#2&3) only, the excess filing fee paid for the previous year has been adjusted in the filing fee for the FY 2019-20 (details enclosed at **Annexure-II**).

The total filing fee of **₹2,37,82,398/-** (Rs. Two Crore Thirty Seven Lakhs Eighty Two Thousand Three Hundred Ninety Eight only) has been remitted in CERC account (A/c no. **520143000000051**, Corporation Bank, KG Marg, New Delhi) with **UTR No. SBIN219116877156** on 26.04.2019. Details of remittance through RTGS/NEFT are indicated in enclosed **Form–I (Annexure-III)** separately for 20 Power Stations as per CERC (Payment of Fees) Regulations, 2012.

Encl.: As above.

Thanking you,

Yours sincerely,

29/4/19

(A K Pandey)
General Manager Comml.)
Telefax No.0129-2256558

NHPC LIMITED FARIDABAD

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Annexure-I

Details of filing fee 2019-20

Amount in ₹

Sl No.	Power Station	Installed capacity (MW)	Filing Fee @ 4400/MW
1	Bairasiul	180	7,92,000
2	Loktak	105	4,62,000
3	Salal	690	30,36,000
4	Tanakpur	94.2	4,14,480
5	Chamera-I	540	23,76,000
6	Uri-I	480	21,12,000
7	Rangit	60	2,64,000
8	Chamera-II	300	13,20,000
9	Dhauliganga	280	12,32,000
10	Dulhasti	390	17,16,000
11	Teesta - V	510	22,44,000
12	Sewa-II	120	5,28,000
13	Chamera-III	231	10,16,400
14	Chutak	44	1,93,600
15	TLDP-III	132	5,80,800
16	Nimoo Bazgo	45	1,98,000
17	Uri-II	240	10,56,000
18	Parbati-III	520	22,88,000
19	TLDP-IV	160	7,04,000
20	Kishanganga*	330	12,49,118
Total			**2,37,82,398**

* Refer Annexure-II

NHPC LIMITED FARIDABAD

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Annexure-II

Details of actual filing fee for Kishanganga HEP (330MW) for 2018-19

Sl No.	Particulars	COD	No of days	Capacity	Amount
1	Unit#1	18.05.2018	318	110	4,21,676.71
2	Unit#2	24.05.2018	312	110	4,13,720.55
3	Unit#3	24.05.2018	312	110	4,13,720.55
Total					12,49,117.81

	Say,	12,49,118	(A)
Fee already paid earlier with petition no. 43/GT/2018		14,52,000	(B)
Excess fee paid (to be adjusted)		**2,02,882**	(C) = (B-A)
Fee for 2019-20 @ 4400/MW for 330MW		14,52,000	(D)
Net Fee to be paid for FY 2019-20		**12,49,118**	(E) = (D)-(C)

NHPC LIMITED FARIDABAD

Form-I

Sl. No.	Particulars	
1	Name of the Petitioner/Applicant	NHPC LIMITED
2	Address of the Petitioner/Applicant	NHPC OFFICE COMPLEX, SECTOR-33, FARIDABAD-121003 (HARYANA)
3	Subject Matter	Payment of yearly installment (i.e. for FY 2019-20) of filing fee for Tariff Petition regarding approval of generation tariff of **Tanakpur Power Station** for the period 01.04.2019 to 31.03.2024.
4	Petition No., if any	
5	Details of generation assets	
(a)	generating station/units	Tanakpur/ 4 units
(b)	Capacity in MW	94.2 MW (3 x 31.4 MW)
(c)	Date of commercial operation	01.04.1993
(d)	Period for which fee paid	01.04.2019 to 31.03.2020
(e)	Amount of fee paid	₹ 4,14,480 /-
(f)	Surcharge, if any	Nil
6	Details of transmission assets	
(a)	Transmission line and sub-stations	NOT APPLICABLE
(b)	Date of commercial operation	
(c)	Period for which fee paid	
(d)	Amount of fee paid	
(e)	Surcharge, if any	
7	Fee paid for Adoption of tariff for	
(a)	Generation asset	NOT APPLICABLE
(b)	Transmission asset	
8	Application fee for licence	
(a)	Trading licence	NOT APPLICABLE
(b)	Transmission licence	
(c)	Period for which paid	
(d)	Amount of fee paid	
9	Fees paid for Miscellaneous Application	NOT APPLICABLE
10	Fees paid for Interlocutory Application	NOT APPLICABLE
11	Fee paid for Regulatory Compliance petition	NOT APPLICABLE
12	Fee paid for Review Application	NOT APPLICABLE
13	Licence fee for inter-State Trading	
(a)	Category	NOT APPLICABLE
(b)	Period	
(c)	Amount of fee paid	
(d)	Surcharge, if any	
14	Licence fee for inter-State Transmission	
(a)	Expected/Actual transmission charge	NOT APPLICABLE
(b)	Period	
(c)	Amount of fee calculated as a percentage of transmission charge.	
(d)	Surcharge, if any	
15	Annual Registration Charge for Power Exchange	
(a)	Period	NOT APPLICABLE
(b)	Amount of turnover	
(c)	Fee paid	
(d)	Surcharge, if any	
16	Details of fee remitted	
(a)	UTR No.	SBIN219116877156
(b)	Date of remittance	26.04.2019
(c)	Amount remitted	₹ 4,14,480 /-

Note : While Sl. Nos. 1 to 3 and 16 are compulsory, the rest may be filled up as applicable.

Signature of the authorized signatory with date

NHPC LIMITED FARIDABAD

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ANNEX-IX

NHPC Ltd.
(A Schedule 'A' Enterprise of Govt. of India)
NHPC Office Complex, Sector 33, Faridabad - 121003

Address of Beneficiary	
DY. CHIEF ENGINEER / ISB PUNJAB STATE POWER CORPORATION LTD. SHED NO.T- 1A, THERMAL DESIGNS, PSPCL PATIALA - PUNJAB Beneficiary GST No. : 03AAFCP5120Q1ZC	BILL FOR FY 2014 - 2015 BILL TYPE SUPPLEMENTARY MONTH 201503 BILL NO 104B0012017964 Acc. Rev. 10 BILL DATE 22-Mar-2018 HSN NO. : 27160000
PROJECT TANAKPUR	IMS/COM/F01 Rev. No. : 00 Date : 27.06.08

NHPC Ltd, P.O. T.P.S CAMPUS BANBASSA, DISTT. CHAMPAWAT 262 310 - BANBASSA UA IN - INDIA
PROJECT GST No. : 05AAACN0149C4Z2

Date of Commercial Operation	COD	19930401	*	Normative Plant Availability Factor	NAPAF	55.000	%
Project age	P_AGE	21	year	Saleabe Annual design energy	SLDE	393.947928	MU
Annual DE	ADE	452.190000	MU	Energy Charge shortfall prev year	PEC_SF1	61922849	Rs
Auxilliary Consumption-Normative	AC_NOR	1.000	%	Energy Charge Rate - AC-Normative	ECR_NOR	1.340	Rs/KwH
Auxilliary Consumption-Actual	AC_ACT	2.000	%	Energy Charge Rate - AC-Actual	ECR_ACT	1.354	Rs/KwH
Design Energy upto the month	DE	452.190000	MU	Secondary Energy Charge Rate	SE_RATE1419	0.900	Rs/KwH
Annual Fixed Charges Billed	AFC	105.605700	Cr	Saleable Design Energy for the month	SLDEM	393.947928	MU
Saleabe Annual design energy-AC-Actual	SLDE_ACT	389.968656	MU	No of days for the month	NDM	365	Days
Project Scheduled Energy prev year	PSCH_PY1	378.111353	MU	No of days in year	NDY	365	Days
Project Scheduled Energy prev to prev year	PSCH_PY2	474.888879	MU				
				Plant Availability Factor for the Month	PAFM	64.510	%
				Saleable Capacity Share	CS	17.930	%

(A) Power Station-wise Energy Calculation for FY 2014 - 2015 (Figures in Rs.)

Scheduled Energy	PSCH	424.727535	MU	Project Energy Charges @ECR	PEC_DE_ECR	518164316	Rs
Free Energy	PFP	38.037747	MU	Capacity Charges	PCC	619329428	Rs
Saleable Energy	PSLE	386.689788	MU	Misc. Charges	PMISC	414480	Rs
Project Saleable Energy upto DE	PSLE_DE	386.689788	MU	Project deferred tax materalized	PDTAX	47000091	Rs
Saleable Energy upto DE@ECR	PSLE_DE_ECR	386.689788	MU	RLDC Charges	PRLDC	878801	Rs
				Total Charges	**PTC**	**1185787116**	**Rs**

(B) Beneficiary-wise Power Calculation in (MU)

Description		Upto Previous Bill	Upto Current Bill	Current Bill
Beneficiary Scheduled Energy	BSCH	54.200712	54.200712	0.000000
Saleable Energy	BSLE	54.200712	54.200712	0.000000
Benif Saleable Energy @ECR	BSLE_DE_ECR	54.200712	54.200712	0.000000

(C) Bill Details for FY 2014 - 2015 (Figures in Rs.)

Description		Upto Previous Bill	Upto Current Bill	Current Bill
Benif Energy Charges upto DE @ECR	BEC_DE_ECR	72,628,954	72,628,954	0
Beneficiary Capacity Charges	BCC	107,434,261	107,434,261	0
Beneficiary Misc	BMISC	71,899	71,899	0
Beneficiary deferred tax materalized	BDTAX	8,153,044	8,153,044	0
Benef RLDC Charges	BRLDC	157,527	152,444	-5,083

Total Charges	188,445,685	188,440,602	-5,083
Amount Due In This Bill			-5,083
Amount For The Purpose Of Rebate #			-5,083

(D) Outstanding - Principal (Rs)

Description	Previous Balance	Amount Billed	Amount Received	Rebate Allowed	Adjustments	Total
Principal	22,931,431	-5,083	0	0	0	22,926,348

NHPC LIMITED FARIDABAD

AJAY KUMAR SINGHAL
GM (FINANCE) - COMMERCIAL

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NHPC Ltd.
(A Schedule 'A' Enterprise of Govt. of India)
NHPC Office Complex, Sector 33, Faridabad - 121003

Address of Beneficiary	
DY. CHIEF ENGINEER / ISB PUNJAB STATE POWER CORPORATION LTD. SHED NO.T- 1A, THERMAL DESIGNS, PSPCL PATIALA - PUNJAB **Beneficiary GST No. :** 03AAFCP5120Q1ZC	BILL FOR FY 2015 - 2016 BILL TYPE SUPPLEMENTARY MONTH 201603 BILL NO 104B0012018976 BILL DATE 14-Jun-2018 HSN NO. : 27160000 Acc. Rev. 9
PROJECT TANAKPUR	IMS/COM/F01 Rev. No. : 00 Date : 27.06.08

NHPC Ltd, P.O. T.P.S CAMPUS BANBASSA, DISTT. CHAMPAWAT 262 310 - BANBASSA UA IN - INDIA
PROJECT GST No. : 05AAACN0149C4Z2

Date of Commercial Operation	COD	19930401		Normative Plant Availability Factor	NAPAF	55.000	%
Project age	P_AGE	22	year	Saleabe Annual design energy	SLDE	393.947928	MU
Annual DE	ADE	452.190000	MU	Energy Charge shortfall prev year	PEC_SF1	9864184	Rs
Auxilliary Consumption-Normative	AC_NOR	1.000	%	Energy Charge shortfall prev to prev year	PEC_SF2	61922849	Rs
Auxilliary Consumption-Actual	AC_ACT	2.200	%	Energy Charge shortfall to be recovered	PEC_SF	61922849	Rs
Design Energy upto the month	DE	452.190000	MU	Modified Annual DE	M_ADE	350.648888	MU
Annual Fixed Charges Billed	AFC	110.670400	Cr	Energy Charge Rate - AC-Normative	ECR_NOR	1.405	Rs/KwH
Saleabe Annual design energy-AC-Actual	SLDE_ACT	389.172802	MU	Modified ECR	M_ECR	1.811	Rs/KwH
Project Scheduled Energy prev year	PSCH_PY1	424.727535	MU	Energy Charge Rate - AC-Actual	ECR_ACT	1.422	Rs/KwH
Project Scheduled Energy prev to prev year	PSCH_PY2	378.111353	MU	Secondary Energy Charge Rate	SE_RATE1419	0.900	Rs/KwH
				Saleable Design Energy for the month	SLDEM	393.947928	MU
				No of days for the month	NDM	366	Days
				No of days in year	NDY	366	Days
				Plant Availability Factor for the Month	PAFM	67.565	%
				Saleable Capacity Share	CS	17.930	%

(A) Power Station-wise Energy Calculation for FY 2015 - 2016 (Figures in Rs.)

Scheduled Energy	PSCH	415.418478	MU	Project Energy Charges @MECR	PEC_DE_MECR	276212512	Rs
Free Energy	PFP	42.582541	MU	Project Energy Charges @ECR	PEC_DE_ECR	309544829	Rs
Saleable Energy	PSLE	372.835937	MU	Capacity Charges	PCC	679767780	Rs
Project Saleable Energy upto DE	PSLE_DE	372.835937	MU	Misc. Charges	PMISC	792301	Rs
Saleable Energy upto DE@MECR	PSLE_DE_MECR	152.519333	MU	Project deferred tax materalized	PDTAX	49576019	Rs
Saleable Energy upto DE@ECR	PSLE_DE_ECR	220.316604	MU	RLDC Charges	PRLDC	722889	Rs
				Total Charges	**PTC**	**1316616330**	**Rs**

(B) Beneficiary-wise Power Calculation in (MU)

Description		Upto Previous Bill	Upto Current Bill	Current Bill
Beneficiary Scheduled Energy	BSCH	58.231196	58.231196	0.000000
Saleable Energy	BSLE	58.231196	58.231196	0.000000
Benif Saleable Energy @MECR	BSLE_DE_MECR	23.762628	23.821156	0.058528
Benif Saleable Energy @ECR	BSLE_DE_ECR	34.468568	34.410040	-0.058528

(C) Bill Details for FY 2015 - 2016 (Figures in Rs.)

Description		Upto Previous Bill	Upto Current Bill	Current Bill
Benif Energy Charges upto DE @ECR	BEC_DE_ECR	48,393,869	48,346,106	-47,763
Benif Energy Charges upto DE @MECR	BEC_DE_MECR	43,034,119	43,140,114	105,995
Beneficiary Capacity Charges	BCC	117,904,038	117,918,422	14,384
Beneficiary Misc	BMISC	137,439	137,439	0
Beneficiary deferred tax materalized	BDTAX	8,599,887	8,599,887	0
Benef RLDC Charges	BRLDC	125,399	125,399	0

Total Charges	218,194,751	218,267,367	72,616
Amount Due In This Bill			72,616
Amount For The Purpose Of Rebate #			72,616

NHPC LIMITED FARIDABAD

(Prashant Agarwal)

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NHPC Ltd.
(A Schedule 'A' Enterprise of Govt. of India)
NHPC Office Complex, Sector 33, Faridabad - 121003

Address of Beneficiary	
AGM, POWER MANAGEMENT GROUP TATA POWER DELHI DISTRIBUTION LTD POWER MANAGEMENT GROUP,1ST FLOOR, CENNET SCADA BUILDG.,NEAR PP-3 GRID PITAMPURA,DELHI - 110009 DELHI Beneficiary GST No. : 07AABCN6808R1ZV	BILL FOR FY 2016 - 2017 BILL TYPE SUPPLEMENTARY MONTH 201703 BILL NO 104B0312017636 BILL DATE 26-Mar-2018 HSN NO. : 27160000 Acc. Rev. 3
PROJECT TANAKPUR	IMS/COM/F01 Rev. No. : 00 Date : 27.06.08

NHPC Ltd, P.O. T.P.S CAMPUS BANBASSA, DISTT. CHAMPAWAT 262 310 - BANBASSA UA IN - INDIA
PROJECT GST No. : 05AAACN0149C4Z2

Date of Commercial Operation	COD	19930401	*	Normative Plant Availability Factor	NAPAF	55.000	%
Project age	P_AGE	23	year	Saleabe Annual design energy	SLDE	393.947928	MU
Annual DE	ADE	452.190000	MU	Energy Charge shortfall prev year	PEC_SF1	29822844	Rs
Auxilliary Consumption-Normative	AC_NOR	1.000	%	Energy Charge shortfall prev to prev year	PEC_SF2	9864184	Rs
Auxilliary Consumption-Actual	AC_ACT	2.700	%	Energy Charge Rate - AC-Normative	ECR_NOR	1.482	Rs/KwH
Design Energy upto the month	DE	452.190000	MU	Energy Charge Rate - AC-Actual	ECR_ACT	1.508	Rs/KwH
Annual Fixed Charges Billed	AFC	116.748100	Cr	Secondary Energy Charge Rate	SE_RATE1419	0.900	Rs/KwH
Saleabe Annual design energy-AC-Actual	SLDE_ACT	387.183166	MU	Saleable Design Energy for the month	SLDEM	393.947928	MU
Project Scheduled Energy prev year	PSCH_PY1	415.418478	MU	No of days for the month	NDM	365	Days
Project Scheduled Energy prev to prev year	PSCH_PY2	424.727535	MU	No of days in year	NDY	365	Days
				Plant Availability Factor for the Month	PAFM	66.202	%
				Saleable Capacity Share	CS	3.930	%

(A) Power Station-wise Energy Calculation for FY 2016 - 2017 (Figures in Rs.)

Scheduled Energy	PSCH	377.042335	MU	Project Energy Charges @ECR	PEC_DE_ECR	502568805	Rs
Free Energy	PFP	37.927082	MU	Capacity Charges	PCC	702632520	Rs
Saleable Energy	PSLE	339.115253	MU	Misc. Charges	PMISC	414480	Rs
Project Saleable Energy upto DE	PSLE_DE	339.115253	MU	Project deferred tax materalized	PDTAX	50686290	Rs
Saleable Energy upto DE@ECR	PSLE_DE_ECR	339.115253	MU	RLDC Charges	PRLDC	814125	Rs
				Total Charges	**PTC**	**1257116220**	**Rs**

(B) Beneficiary-wise Power Calculation in (MU)

Description		Upto Previous Bill	Upto Current Bill	Current Bill
Beneficiary Scheduled Energy	BSCH	10.921071	10.900767	-0.020304
Saleable Energy	BSLE	10.921071	10.900767	-0.020304
Benif Saleable Energy @ECR	BSLE_DE_ECR	10.921071	10.900767	-0.020304

(C) Bill Details for FY 2016 - 2017 (Figures in Rs.)

Description		Upto Previous Bill	Upto Current Bill	Current Bill
Benif Energy Charges upto DE @ECR	BEC_DE_ECR	16,185,027	16,154,937	-30,090
Beneficiary Capacity Charges	BCC	26,715,394	26,715,394	0
Beneficiary Misc	BMISC	15,759	15,759	0
Beneficiary deferred tax materalized	BDTAX	1,927,187	1,927,187	0
Benef RLDC Charges	BRLDC	27,240	27,240	0

Total Charges	44,870,607	44,840,517	-30,090
Amount Due In This Bill			-30,090
Amount For The Purpose Of Rebate #			-30,090

(D) Outstanding - Principal (Rs)

Description	Previous Balance	Amount Billed	Amount Received	Rebate Allowed	Adjustments	Total
Principal	4,996,744	-30,090	0	0	0	4,966,654

NHPC LIMITED FARIDABAD

(Prashant Agarwal)

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NHPC Ltd.
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NHPC Office Complex, Sector 33, Faridabad - 121003

Address of Beneficiary	
AGM, POWER MANAGEMENT GROUP TATA POWER DELHI DISTRIBUTION LTD POWER MANAGEMENT GROUP,1ST FLOOR, CENNET SCADA BUILDG.,NEAR PP-3 GRID PITAMPURA,DELHI - 110009 DELHI Beneficiary GST No. : 07AABCN6808R1ZV	BILL FOR FY 2017 - 2018 BILL TYPE SUPPLEMENTARY MONTH 201803 BILL NO 104B0312019678 BILL DATE 22-Aug-2019 HSN NO. : 27160000 Acc. Rev. 2
PROJECT TANAKPUR	IMS/COM/F01 Rev. No. : 00 Date : 27.06.08

NHPC Ltd, P.O. T.P.S CAMPUS BANBASSA, DISTT. CHAMPAWAT 262 310 - BANBASSA UA IN - INDIA
PROJECT GST No. : 05AAACN0149C4Z2

Date of Commercial Operation	COD	19930401		Normative Plant Availability Factor	NAPAF	55.000	%
Project age	P_AGE	24	year	Saleabe Annual design energy	SLDE	393.947928	MU
Annual DE	ADE	452.190000	MU	Energy Charge shortfall prev year	PEC_SF1	81171695	Rs
Auxilliary Consumption-Normative	AC_NOR	1.000	%	Energy Charge shortfall prev to prev year	PEC_SF2	29517509	Rs
lliary Consumption-Actual	AC_ACT	2.200	%	Energy Charge Rate - AC-Normative	ECR_NOR	1.571	Rs/Kwh
Design Energy upto the month	DE	452.190000	MU	Energy Charge Rate - AC-Actual	ECR_ACT	1.591	Rs/Kwh
Annual Fixed Charges Billed	AFC	123.807200	Cr	Secondary Energy Charge Rate	SE_RATE1419	0.900	Rs/Kwh
Saleabe Annual design energy-AC-Actu	SLDE_ACT	389.172802	MU	Saleable Design Energy for the month	SLDEM	393.947928	MU
Project Scheduled Energy prev year	PSCH_PY1	377.042335	MU	No of days for the month	NDM	365	Days
Project Scheduled Energy prev to prev y	PSCH_PY2	415.418478	MU	No of days in year	NDY	365	Days
				Plant Availability Factor for the Month	PAFM	68.697	%
				Saleable Capacity Share	CS	3.930	%

(A) Power Station-wise Energy Calculation for FY 2017 - 2018 (Figures in Rs.)

Scheduled Energy	PSCH	419.274257	MU	Project Energy Charges @ECR	PEC_DE_ECR	593880584	Rs
Free Energy	PFP	41.247151	MU	Capacity Charges	PCC	773198474	Rs
Saleable Energy	PSLE	378.027106	MU	Misc. Charges	PMISC	414480	Rs
Project Saleable Energy upto DE	PSLE_DE	378.027106	MU	Project deferred tax materalized	PDTAX	51658936	Rs
Saleable Energy upto DE@ECR	PSLE_DE_ECR	378.027106	MU	RLDC Charges	PRLDC	580723	Rs
				Total Charges	PTC	**1419733197**	Rs

(B) Beneficiary-wise Power Calculation in (MU)

Description		Upto Previous Bil	Upto Current Bill	Current Bill
Beneficiary Scheduled Energy	BSCH	11.871300	12.346922	0.475622
S[illegible]able Energy	BSLE	11.871300	12.346922	0.475622
Benif Saleable Energy @ECR	BSLE_DE_ECR	11.871300	12.346922	0.475622

(C) Bill Details for FY 2017 - 2018 (Figures in Rs.)

Description		Upto Previous Bil	Upto Current Bill	Current Bill
Benif Energy Charges upto DE @ECR	BEC_DE_ECR	18,649,812	19,397,014	747,202
Beneficiary Capacity Charges	BCC	29,400,583	29,398,443	-2,140
Beneficiary Misc	BMISC	15,759	15,759	0
Beneficiary deferred tax materalized	BDTAX	1,964,169	1,964,169	0
Benef RLDC Charges	BRLDC	19,431	19,431	0

Total Charges	50,049,754	50,794,816	745,062
Amount Due In This Bill			745,062
Amount For The Purpose Of Rebate #			745,062

(D) Outstanding - Principal (Rs)

Description	Previous Balance	Amount Billed	Amount Received	Rebate Allowed	Adjustments	Total

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NHPC LIMITED FARIDABAD
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NHPC Ltd.
(A Schedule 'A' Enterprise of Govt. of India)
NHPC Office Complex, Sector 33, Faridabad - 121003

Address of Beneficiary			
DY. CHIEF ENGINEER / ISB PUNJAB STATE POWER CORPORATION LTD. SHED NO.T- 1A, THERMAL DESIGNS, PSPCL PATIALA - PUNJAB Beneficiary GST No. : 03AAFCP5120Q1ZC		BILL FOR BILL TYPE MONTH BILL NO BILL DATE HSN NO. :	FY 2018 - 2019 SUPPLEMENTARY 201903 104B00120191000 19-Jun-2019 27160000 Acc. Rev. 1
PROJECT	TANAKPUR	IMS/COM/F01 Rev. No. : 00 Date : 27.06.08	

NHPC Ltd, P.O. T.P.S CAMPUS BANBASSA, DISTT. CHAMPAWAT 262 310 - BANBASSA UA IN - INDIA
PROJECT GST No. : 05AAACN0149C4Z2

Date of Commercial Operation	COD	19930401	*	Normative Plant Availability Factor	NAPAF	55.000	%
Project age	P_AGE	25	year	Saleabe Annual design energy	SLDE	393.947928	MU
Annual DE	ADE	452.190000	MU	Energy Charge shortfall prev year	PEC_SF1	25155416	Rs
Auxilliary Consumption-Normative	AC_NOR	1.000	%	Energy Charge shortfall prev to prev year	PEC_SF2	81171695	Rs
liary Consumption-Actual	AC_ACT	2.000	%	Energy Charge Rate - AC-Normative	ECR_NOR	1.649	Rs/Kwh
Design Energy upto the month	DE	452.190000	MU	Energy Charge Rate - AC-Actual	ECR_ACT	1.666	Rs/Kwh
Annual Fixed Charges Billed	AFC	129.944400	Cr	Secondary Energy Charge Rate	SE_RATE1419	0.900	Rs/Kwh
Saleabe Annual design energy-AC-Actu	SLDE_ACT	389.968656	MU	Saleable Design Energy for the month	SLDEM	393.947928	MU
Project Scheduled Energy prev year	PSCH_PY1	419.274257	MU	No of days for the month	NDM	365	Days
Project Scheduled Energy prev to prev y	PSCH_PY2	377.042335	MU	No of days in year	NDY	365	Days
				Plant Availability Factor for the Month	PAFM	74.075	%
				Saleable Capacity Share	CS	17.930	%

(A) Power Station-wise Energy Calculation for FY 2018 - 2019 (Figures in Rs.)

Scheduled Energy	PSCH	418.263894	MU	Project Energy Charges @ECR	PEC_DE_ECR	622269522	Rs
Free Energy	PFP	40.902146	MU	Capacity Charges	PCC	875057403	Rs
Saleable Energy	PSLE	377.361748	MU	Misc. Charges	PMISC	414480	Rs
Project Saleable Energy upto DE	PSLE_DE	377.361748	MU	RLDC Charges	PRLDC	599727	Rs
Saleable Energy upto DE@ECR	PSLE_DE_ECR	377.361748	MU	**Total Charges**	**PTC**	**1498341132**	**Rs**

(B) Beneficiary-wise Power Calculation in (MU)

Description		Upto Previous Bil	Upto Current Bill	Current Bill
Beneficiary Scheduled Energy	BSCH	57.750628	57.750628	0.000000
Saleable Energy	BSLE	57.750628	57.750628	0.000000
f Saleable Energy @ECR	BSLE_DE_ECR	57.750628	57.750628	0.000000

(C) Bill Details for FY 2018 - 2019 (Figures in Rs.)

Description		Upto Previous Bil	Upto Current Bill	Current Bill
Benif Energy Charges upto DE @ECR	BEC_DE_ECR	94,999,783	95,230,786	231,003
Beneficiary Capacity Charges	BCC	151,411,668	151,795,056	383,388
Beneficiary Misc	BMISC	71,899	71,899	0
Benef RLDC Charges	BRLDC	91,550	91,550	0

Total Charges	**246,574,900**	**247,189,291**	**614,391**
Amount Due In This Bill			**614,391**
Amount For The Purpose Of Rebate #			**614,391**

(D) Outstanding - Principal (Rs)

Description	Previous Balance	Amount Billed	Amount Received	Rebate Allowed	Adjustments	Total
Principal	70,701,947	614,391	0	0	0	71,316,338

NHPC LIMITED FARIDABAD

AJAY KUMAR SINGHAL
GM (FINANCE) - COMMERCIAL