

BEFORE THE HON'BLE CENTRAL ELECTRICITY REGULATORY COMMISSION
NEW DELHI

PETITION NO. /2014

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 7(3) & 14 of CERC (Terms and Conditions of Tariff) Regulations, 2014 for determination of tariff for the period 2014-19 in respect of **Chamera-III Power Station**.

PETITIONER:

NHPC LIMITED,
 (A GOVT. OF INDIA ENTERPRISE)
 NHPC OFFICE COMPLEX,
 SECTOR – 33, FARIDABAD – 121 003.

RESPONDENTS :

1 THE CHAIRMAN,
 PUNJAB STATE POWER STATE CORPORATION LIMITED, & 13 OTHERS
 THE MALL, NEAR KALI BADI MANDIR
 PATIALA - 147 001 (PUNJAB).

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NHPC LTD.
Through


 (A. K. Pandey)

Chief Engineer (Comml.)

Place : Faridabad
 Date : 13.08.2014



हरियाणा HARYANA

34AA 265191

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

PETITION NO. /2014

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 7(3) & 14 of CERC (Terms and Conditions of Tariff) Regulations, 2014 for determination of tariff for the period 2014-19 in respect of **Chamera-III Power Station**.

PETITIONER:

NHRC LIMITED
(A GOVT. OF INDIA ENTERPRISE)
NHRC OFFICE COMPLEX,
SECTOR - 33,
FARIDABAD - 121 003.

**RESPONDENTS :**

- 1 THE CHAIRMAN,
PUNJAB STATE POWER STATE CORPORATION LIMITED,
THE MALL, NEAR KALI BADI MANDIR
PATIALA - 147 001 (PUNJAB).

& 13 OTHERS

My

AFFIDAVIT FOR VERIFYING THE PETITION

I, A.K. Pandey S/o late Sh P.N. Pandey aged 55 years working as Chief Engineer (Commercial) in NHPC Ltd., the applicant in the above matter do solemnly affirm and state as follows:

1. I am working as Chief Engineer (Commercial) in NHPC Ltd., and am well acquainted with the facts of the above case.
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 13th August, 2014 that the contents of the above affidavit are true to my knowledge, no part of it is false and nothing material has been concealed there from.

Aly

DEPONENT

IDENTIFIED BEFORE ME

I know the deponent/executant and who has signed/thumb marked/LTU/RTI in my presence

ATTESTED AS IDENTIFIED

**NOTARY
FARIDABAD**



13 AUG 2014

BEFORE THE HON'BLE CENTRAL ELECTRICITY REGULATORY COMMISSION
NEW DELHI

PETITION NO. /2014

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 7(3) & 14(3) of CERC (Terms and Conditions of Tariff) Regulations, 2014 for determination of tariff for the period 2014-19 in respect of **Chamera-III Power Station**.

AND IN THE MATTER OF

NHPC LIMITED
 (A GOVT. OF INDIA ENTERPRISE)
 NHPC OFFICE COMPLEX,
 SECTOR – 33,
 FARIDABAD – 121 003.

PETITIONER

RESPONDENTS :

- | | |
|--|---|
| 1. THE CHAIRMAN,
PUNJAB STATE POWER CORPORATION LTD
THE MALL, NEAR KALI BADI MANDIR
PATIALA - 147 001 (PUNJAB). | 2. THE CHAIRMAN,
HARYANA POWER UTILITIES,
(UHBVNL & DHBVNL), SHAKTI BHAWAN,
SECTOR- 6 PANCHKULA, (HARYANA) |
| 3. THE CHAIRMAN,
UTTAR PRADESH POWER CORPORATION LTD.
SHAKTI BHAVAN, 14, ASHOK MARG,
LUCKNOW - 226 001 (UTTAR PRADESH). | 4. CHIEF ENGINEER & SECRETARY,
ENGINEERING DEPTT. 1ST FLOOR,
UT SECRETARIAT, SECTOR 9-D,
CHANDIGARH - 160 009. |
| 5. THE CHIEF EXECUTIVE OFFICER
NORTH DELHI POWER LTD.
SUB-STATION BUILDING
HUDSON LANE, KINGSWAY CAMP,
DELHI-110009 | 6. THE CHIEF EXECUTIVE OFFICER
BSES YAMUNA POWER LTD.
SHAKTIKIRAN BUILDING
KARKADOOMA, DELHI |
| 7. THE CHAIRMAN,
RAJASTHAN RAJYA VIDYUT PRASARAN NIGAM
LTD. (RRVNL),
JAIPUR VIDYUT VITARAN NIGAM LTD., (JpVVNL)
JODHPUR VIDYUT VITARAN NIGAM LTD.,
(JdVVNL)
AJMER VIDYUT VITARAN NIGAM LTD., (AVVNL)
VIDYUT BHAVAN, JANPATH,
JYOTI NAGAR,
JAIPUR - 302 005 (RAJASTHAN). | 8. THE CHIEF EXECUTIVE OFFICER
BSES RAJADHANI POWER LTD.
BSES BHAWAN,
NEHRU PLACE, NEW DELHI-110019 |



- | | |
|---|---|
| <p>9. CHAIRMAN-CUM-MANAGING DIRECTOR,
UTTARAKHAND POWER CORPORATION LTD.
URJA BHAWAN, KANWALI ROAD,
DEHRADUN - 248 001 (UTTARAKHAND).</p> | <p>10. THE MANAGING DIRECTOR,
JAIPUR VIDYUT VITARAN NIGAM LIMITED,
VIDYUT BHAWAN, JANPATH,
JAIPUR - 302 005.</p> |
| <p>11. THE MANAGING DIRECTOR,
AJMER VIDYUT VITARAN NIGAM LIMITED,
OLD POWER HOUSE,
HATTHI BHATTA, JAIPUR ROAD,
AJMER - 305 001 (RAJASTHAN).</p> | <p>12. THE MANAGING DIRECTOR,
JODHPUR VIDYUT VITARAN NIGAM LTD.,
NEW POWER HOUSE, INDUSTRIAL AREA,
JODHPUR - 342 003 (RAJASTHAN).</p> |
| <p>13. THE PRINCIPAL SECRETARY,
POWER DEVELOPMENT DEPARTMENT,
NEW SECRETARIAT,
JAMMU (J&K)</p> | <p>14. THE CHAIRMAN,
HIMACHAL PRADESH STATE
ELECTRICITY BOARD,
VIDYUT BHAWAN, KUMAR HOUSE,
SHIMLA - 171 004 (HIMACHAL PRADESH).</p> |

It is respectfully submitted by the Applicant 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 Chamara-III Power Station (hereinafter called 'Chamara-III' / 'power station') (3 X 77 = 231 MW) located in the state of Himachal Pradesh (HP) has been declared under commercial operation on 04.07.2012.
3. NHPC has constructed Chamara-III and is operating and maintaining the same, since it's 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 Agreement (PPA) / BPSA 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 has determined the provisional tariff of **Chamera-III** for the tariff period 01.07.2012 to 31.03.2014 vide its order dtd.13.08.2012 in petition No.26/GT/2013 (then docket No.22/GT/2011) in accordance with the Central Electricity Regulatory Commission (Terms and Conditions of Tariff) Regulations, 2009 and subsequent amendments thereof. The revised tariff petition No.26/GT/2013 as on actual COD has already been filed separately.
6. The capital cost of **₹2042.41 crs.** as on 31.03.2014 considered in present tariff petition is based on capital cost in revised petition no.26/GT/2013.
7. The Hon'ble Commission in exercise of powers conferred under section 178 of the Electricity Act, 2003 and all other powers enabling in this behalf, issued by the Central Electricity Regulatory Commission (Terms & Conditions of Tariff) Regulations, 2014 on 21.02.2014 which are effective for a period of 5 years w.e.f. 01.04.2014.
8. The present petition is being filed in the tariff filing forms 1 to 16 as prescribed in the Central Electricity Regulatory Commission (Terms & Conditions of Tariff) Regulations, 2014 and also as per the Central Electricity Regulatory Commission (Procedure for making of application for determination of tariff, publication and other related matters) Regulations, 2004.
9. Present tariff petition has been prepared in accordance with regulation-7 & 14 of CERC Tariff Regulations, 2014 which are reproduced as under:

*"7.(3) In case of an existing generating station or transmission system including communication system or element thereof, the application shall be made **not later than 180 days from the date of notification of these regulations based on admitted capital cost** including any additional capital expenditure already admitted up to 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."*

"14. Additional Capitalisation and De-capitalisation:

*(1) The **capital expenditure in respect of the new project or an existing project incurred or projected to be incurred, on the following counts within the original scope of work, after the date of commercial operation and up***

to the cut-off date may be admitted by the Commission, subject to prudence check:

- (i) Undischarged liabilities recognized to be payable at a future date;
- (ii) Works deferred for execution;
- (iii) Procurement of initial capital spares within the original scope of work, in accordance with the provisions of Regulation 13;
- (iv) Liabilities to meet award of arbitration or for compliance of the order or decree of a court of law; and
- (v) Change in law or compliance of any existing law:

Provided that the details of works asset wise/work wise included in the original scope of work along with estimates of expenditure, liabilities recognized to be payable at a future date and the works deferred for execution shall be submitted along with the application for determination of tariff.

(2) The **capital expenditure** incurred or **projected to be incurred** in respect of the new project on the following counts **within the original scope of work 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) Deferred works relating to ash pond or ash handling system in the original scope of work; and
- (iv) 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.

"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 safety 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 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. 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-materialisation 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:

Ady

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."

10. The details of projected capital expenditure for the tariff years 2014-15, 2015-16, 2016-17, 2017-18 & 2018-19 considered in this petition has been given in **Form-9A** of **Annex-I**.
11. Annual fixed cost (AFC) worked out in respect of Chamara-III for the period 01.04.2014 to 31.03.2019, based on the Central Electricity Regulatory Commission (Terms & Conditions of Tariff) Regulations, 2014, is as under: (Refer **Form-1** of **Annex-I**).

(₹ Crs.)

Year	2014-15	2015-16	2016-17	2017-18	2018-19
AFC	404.60	406.98	406.37	404.38	404.94

12. 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.

Ally

13. 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.
14. Filing fee amounting to ₹10,16,400/- for the year 2014-15 has already been electronically transferred through UTR No.SBIN814118294517 in terms of CERC (Payment of Fee) Regulations, 2012 & same has been intimated to CERC vide letter dtd.29.04.2014. Copy of letter is attached as **Annex-III**.
15. Actual expenses on publication of notices in newspapers, as per the Central Electricity Regulatory Commission (Procedure for making of application for determination of tariff, publication and other related matters) Regulations, 2004, may be allowed to be recovered from beneficiaries / respondents.



Prayer

1. Tariff of Chamera-III HE Project for the period 01.04.2014 to 31.03.2019 may be determined under Section 62(1) (a) of the Electricity Act, 2003 and in accordance with Central Electricity Regulatory Commission (Terms & Conditions of Tariff) Regulations, 2014 issued on 21.02.2014.
2. Annual fixed charges of Chamera-III Power Station, for the year 2014-15, 2015-16, 2016-17, 2017-18 & 2018-19 amounting to **₹404.60 Crs, ₹406.98 Crs, ₹406.37 Crs, ₹404.38 Crs & ₹404.94 Crs** respectively as per tariff filing **Form-1**, be allowed to be billed for payment by the respondents in the manner already notified by the Hon'ble Commission in Central Electricity Regulatory Commission (Terms & Conditions of Tariff) Regulations, 2014.
3. NHPC may be allowed to Bill the Respondents for levies, taxes, duties, cess, charges, fee etc. if any, as mentioned in **para-13** above.
4. Allow reimbursement of filing fee of this petition as mentioned in **para-14**.
5. Allow reimbursement of expenses incurred on publication of notices in the application of tariff for the period 2014-19 as mentioned in **para-15**.
6. Pass such other and further order / orders as are deemed fit and proper in the facts and circumstances of the case.

NHPC Limited.
Through



(A. K. Pandey)
Chief Engineer (Comml.)

Place : Faridabad
Date : 13.08.2014

Summary Sheet

Name of the Petitioner : NHPC LIMITED

Name of the Generating Station : CHAMERA-III POWER STATION

Place (Region / District / State) : NORTHERN / CHAMBA / HP

(₹ 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	10,495.23	10,541.99	10,749.61	10,928.49	11,059.16	11,257.48
1.2	Interest on Loan	12,021.70	11,247.25	10,695.17	9,892.22	9,039.13	8,260.05
1.3	Return on Equity ¹	12,705.39	12,880.06	13,133.72	13,352.27	13,511.92	13,754.23
1.4	Interest on Working Capital	1,062.25	1,059.37	1,074.64	1,083.81	1,090.59	1,103.85
1.5	O&M Expenses	4,552.79	4,731.10	5,045.24	5,380.24	5,737.49	6,118.46
	Total	40,837.35	40,459.77	40,698.38	40,637.03	40,438.30	40,494.07

Note

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

For calculation of O&M expenses for the period 2014-19, refer Appendix to Form-1.

Anticipated figures of capital expenditure are as per Management's Assessment.

For S.N. Nanda & Co.

For NHPC Ltd.

Chartered Accountants

FR No.-000685N

(CA S.N. Nanda)

Partner

M.No.005909



3 AUG 2014

(A.K. Pandey)

CE (Commercial)

Commercial Division

Calculation of O&M expenses (As per Regulation 29(3)(c) of CERC (Terms & Conditions of Tariff) Regulations, 2014)

(₹ in Lacs)

(i)	Capital Cost as on COD (Excluding Un-discharged Liability)	199,246.85
(ii)	Capital Expenditure within the original scope upto 31.03.2014 (including discharge of liability pertaining to COD)	4,994.36
(iii)	Projected capital expenditure within original scope from 01.04.2014 to 31.03.2019 (Ref: Form-9A)	6,586.33
(iv)	Balance liability as on 31.03.2014 of COD proposed to discharged	3,552.29
(v)	Balance liability as on 31.03.2014 of Add Cap proposed to discharge	1,120.61
(vi)	Less : R&R Expenses	177.61
(vii)	Total capital expenditure up to cut-off date for the purpose of O&M Expenses = (i)+(ii)+(iii)+(iv)+(v)-(vi)	215,322.83
	FY 2012-13	
	O&M Expenses (@ 2% of (vii)) (N1)	4,306.46
	FY 2013-14	
	O&M Expenses (Escalated @6.04 % of O&M Expenses of 2012-13) (N2)	4,566.57
	O&M Expenses @ 2013-14 Price Level (N=(N1+N2)/2)	4,436.51

O&M Expenses for 2014-19

Year	2014-15	2015-16	2016-17	2017-18	2018-19
Escalation rate @ 6.64%	N x (Esc)	N x (Esc) ²	N x (Esc) ³	N x (Esc) ⁴	N x (Esc) ⁵
O&M Expenses	4,731.10	5,045.24	5,380.24	5,737.49	6,118.46



Ay

Name of the Petitioner : NHPC LIMITED

Name of the Generating Station : CHAMERA-III POWER STATION

Place (Region/District/State) : NORTHERN / CHAMBA / HP

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	204,241.21	207,078.24	212,341.95	214,057.44	217,440.44
2	Add : Addition during the year / period	697.03	2,756.34	1,689.97	3,383.00	4,355.00
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	2,140.00	2,507.37	25.52	0.00	0.00
6	Closing Capital Cost	207,078.24	212,341.95	214,057.44	217,440.44	221,795.44
7	Average Capital Cost	205,659.72	209,710.09	213,199.69	215,748.94	219,617.94

FORM-1(II)

(₹ 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	61,272.36	62,123.47	63,702.58	64,217.23	65,232.13
2	Add : Increase due to addition during the year / period	209.11	826.90	506.99	1,014.90	1,306.50
3	Less : Decrease due to de-capitalisation during the year / period	0.00	0.00	0.00	0.00	0.00
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	642.00	752.21	7.66	0.00	0.00
6	Closing Equity	62,123.47	63,702.58	64,217.23	65,232.13	66,538.63
7	Average Equity	61,697.92	62,913.03	63,959.91	64,724.68	65,885.38
8	Rate of ROE	20.876%	20.876%	20.876%	20.876%	20.876%
9	Return on Equity	12,880.06	13,133.72	13,352.27	13,511.92	13,754.23

For S.N. Nanda & Co.
Chartered Accountants

For NHPC Ltd.



(A.K. Pandey)
CE (Commercial)
Commercial Division

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 : CHAMERA-III 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	231	231				
2	Free power to home state	%	13	13				
3	Date of commercial operation (actual)							
	Unit-1		04.07.2012	04.07.2012				
	Unit-2		30.06.2012	30.06.2012				
	Unit-3		30.06.2012	30.06.2012				
4	Type of Station							
	a) Surface / underground		Underground	Underground				
	b) Purely ROR / Pondage / Storage		Pondage	Pondage				
	c) Peaking / non-peaking		Peaking	Peaking				
	d) No. of hours of peaking		3	3				
	e) Overload capacity (MW) & period		84.7 MW per machine & continuous per machine	84.7 MW per machine & continuous per machine				
5	Type of excitation							
	a) Rotating exciters on generator							
	b) Static excitation		Static	Static				
6	Design Energy (Annual) ¹	GWh	1086.37 *	1086.37 *				
7	Auxiliary Consumption including Transformation losses	%	1.2	1.2				
8	Normative Plant Availability Factor (NAPAF)		85	85				
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	%	16.5	16.5				
9.4	Tax Rate ²	%	20.961	20.961 **				
9.5	Effective Tax Rate ⁴		20.961	20.961 **				
9.6	SBI Base Rate + 350 basis points as on 01.04.2014 ³	%	12.25% (01.04.2009 SBIPLR)	13.50%				

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.

* Design energy calculated considering 15% of the minimum inflow observed in the lean flow as downstream discharge as per GOHP notification dtd.26.07.2011 whereas approved design energy is 1108.17 MU as per TEC.

** Effective tax rate for 2014-15 will be known after financial year closure. Hence, applicable tax rate of 2013-14 i.e. MAT rate has been taken for calculation.

For S.N. Nanda & Co.
Chartered Accountants

For NHPC Ltd.



A.K. Pandey
(A.K. Pandey)
CE (Commercial)
Commercial Division

SALIENT FEATURES OF HYDROELECTRIC PROJECT**NAME OF COMPANY : NHPC LTD****NAME OF POWER STATION : CHAMERA-III POWER STATION****1. Location**

State / Distt.	Himachal Pradesh / Chamba
River	Ravi

2. Diversion Tunnel

Size, shape	8.2 m Diameter, Horse shoe
Length (M)	365 m

3. Dam

Type	CONCRETE GRAVITY
Maximum dam height (M)	64 m

4. Spillway**Main Spillway**

Type	Orifice Type with Breast Wall
Crest level of spillway (M)	1360 m

Chute Spillway

Type	Vertical Lift Gate
Crest level of spillway (M)	1382 m

5. Reservoir

Full Reservoir Level (FRL) (M)	EL 1397.00 m
Minimum Draw Down Level (MDDL)(M)	EL 1380.00 m
Live storage (MCM)	3.64 M.cum.

6. Desilting Arrangement

Type	DUFOUR TYPE
Number and Size	2 Nos., parallel compartments 200 X 13 X 17 m (including hopper)
Particle size to be removed (mm)	All particles greater than 0.3 mm

7. Head Race Tunnel

Size and type	6.5 m - Horse shoe
Length (M)	15.97 km
Design discharge (Cumecs)	130.7 Cumecs

8. Surge Shaft

Type	Open to surface restricted Orifice
Diameter (M)	18 m
Height (M)	105 m

9. Penstock/Pressure shafts**Main**

No. & Type	1, underground, circular reinforced concrete lined
Diameter	5.8 m
Length upto manifold	435 m

Individual Penstocks

No. & Type	3, underground, circular steel lined
Diameter	3 m each
Length upto manifold	varies from 25 to 50 m

10. Power House

Installed capacity (No of units x MW)	231 MW (3 X 71 MW)
Type of turbine	Vertical Francis
Rated Head (M)	200 M
Rated Discharge (Cumecs)	42.7 cumecs per unit
Head at Full Reservoir Level (M)	205.71 m
Head at Minimum Draw down Level (M)	188.71 m
MW Capability at FRL	231 MW
MW Capability at MDDL	217.97 MW

11. Tail Race Tunnel

Diameter (M), shape	6.5 m Horse shoe shaped
Length (M)	125 m
Minimum tail water level	1167 m

12. Switchyard

Type of Switch gear	GIS
No. of generator bays	3
No. of Bus coupler bays	1
No. of line bays	2

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 S.N. Nanda & Co.
Chartered Accountants

For NHPC Ltd.

(A.K. Pandey)
CE (Commercial)
Commercial Division





Details of Foreign Equity

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

Name of the Petitioner : **NHPC Limited**Name of the Generating Station : **Chamera-III Power Station**

Exchange Rate on date/s of infusion :

Financial Year		Year 1				Year 2				Year 3 and so on			
Sl. No.	No. 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 S.N. Nanda & Co.
Chartered Accountants

For NHPC Ltd.



(A.K. Pandey)
CE (Commercial)
Commercial Division

Abstract of Admitted Capital Cost for the existing Projects**Name of the Petitioner :****NHPC Limited****Name of the Generating Station :****Chamera-III Power Station**

	Capital Cost as admitted by CERC	
a)	Capital cost admitted as on <u>31.03.2012</u>	₹208999.75 Lakh
	(Give reference of the relevant CERC Order with Petition No. & Date)	As on 31.03.2014 claimed in petition No.26/Gt/2013 (amended). Yet to be approved by CERC.
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)	

For S.N. Nanda & Co.
Chartered Accountants

For NHPC Ltd.



(A.K. Pandey)
CE (Commercial)
Commercial Division



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

Name of the Petitioner :

NHPC Limited

Name of the Generating Station :

CHAMERA-III 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 S.N. Nanda & Co.
Chartered Accountants

For NHPC Ltd.




(A.K. Pandey)
CE (Commercial)
Commercial Division

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

FORM- 5B

Name of the Petitioner : **NHPC Limited**
Name of the Generating Station : **Chamera-III 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 S.N. Nanda & Co.
Chartered Accountants

For NHPC Ltd.

(A.K. Pandey)
CE (Commercial)
Commercial Division



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

FORM-5C

Name of the Petitioner :
Name of the Generating Station :

**NHPC Limited
Chamera-III 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	NOT APPLICABLE			
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)				

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 S.N. Nanda & Co.
Chartered Accountants



For NHPC Ltd.

(A.K. Pandey)
CE (Commercial)
Commercial Division

Break-up of Construction/Supply/Service packages

Name of the Petitioner :

NHPC Limited

Name of the Generating Station :

Chamera-III 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 S.N. Nanda & Co.

Chartered Accountants



For NHPC Ltd.

A.K. Pandey
 (A.K. Pandey)
 CE (Commercial)
 Commercial Division

In case there is cost over run

Name of the Petitioner :

NHPC Limited

Name of the Generating Station :

Chamera-III 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
1.0	Cost of Land & Site Development	Total Cost	Total Cost	Total Cost		
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					
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					

NOT APPLICABLE

*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 S.N. Nanda & Co.
Chartered Accountants

For NHPC Ltd.

(A.K. Pandey)
CE (Commercial)
Commercial Division

25

FORM-5E(ii)

In case there is time over run

Name of the Petitioner :

NHPC Limited

Name of the Generating Station :

Chamera-III 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								

2. Indicates the activities on critical path.

For S.N. Nanda & Co.
Chartered Accountants



For NHPC Ltd.

A.K. Pandey
(A.K. Pandey)
CE (Commercial)
Commercial Division

In case there is claim of additional RoE

Name of the Petitioner : **NHPC Limited**
 Name of the Generating Station : **Chamera-III 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 S.N. Nanda & Co.
Chartered Accountants



For NHPC Ltd.

(A.K. Pandey)
CE (Commercial)
Commercial Division

Financial Package upto COD

Name of the Company **NHPC Limited**
Name of the Power Station **CHAMERA HE PROJECT STAGE-III, CHAMBA (H.P)**
Project Cost as on COD¹ **139472.63**
Date of Commercial Operation of the Station² **04.07.2012** **59773.986**

1	Financial Package as Approved		Financial Package as on COD		As Admitted on COD	
	2	3	4	5	6	7
	Amount ³	Amount ³	Amount ³		Currency and Amount ³	
FOREIGN LOAN				0		
LIC	INR		INR	26689.58		
P-SERIES BONDS	INR		INR	50000.00		
Q-SERIES BONDS	INR		INR	6000.00		
CORPORATION BANK	INR		INR	24300.00		
CANARA BANK	INR		INR	3000.00		
* NORMATIVE LOAN	INR		INR	29483.05		
Total Loan		98394		139472.63		
Equity			INR			
GoI/IPO/IR			INR	59773.99		
TOTAL EQUITY		42169		59773.99		
Debt : Equity Ratio		70 : 30		70 : 30		

* Balancing figure has been considered as Fresh Loans w.e.f. 04.07.2012 at weighted average cost of debts of Chamera-III (Annualized rate 9.61%) for a period of 12 years with 6 months moratorium period after commissioning.

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

(₹ in Crores)

Capital cost excluding IDC & FC	1707.94
IDC, FC & Hedging cost	358.47
FERV	2.11
Capital cost including IDC & FC	2068.52
Less: Liabilities to be discharged*	76.05

Net Capital Cost as on COD i.e.

04.07.2012 1992.47

* Loan/IPO proceeds on 70:30 will be deployed for discharging the deferred liabilities of ₹76.05 crore (₹53.235 Cr / ₹22.815 Cr) after COD i.e. 04.07.2012.

For S.N. Nanda & Co.
Chartered Accountants



Partner

For NHPC Ltd.

(Signature)
(A.K. Pathey)
CE (Commercial)
Commercial Division

Details of Project Specific Loans

Name of the Company : NHPC Limited
Name of the Power Station : CHAMERA H.E. PROJECT STAGE-III

(₹ in lacs)


Particulars	Package1	Package2	Package3	Package4	Package5	Package6
1	2	3	4	5	6	7
Source of Loan ¹	Normative Loan					
Currency ²	INR					
Amount of Loan sanctioned	34806.68					
Amount of Gross Loan drawn upto 31.03.2009 / COD ^{3,4,5,13,15}	29483.05					
Interest Type ⁶	Fixed					
Fixed Interest Rate, if applicable	9.61%					
Base Rate, if Floating Interest ⁷	NA					
Margin, if Floating Interest ⁸	NA					
Are there any Caps/Floor ⁹	N.A.					
If above is yes,specify caps/floor	N.A.					
Moratorium Period ¹⁰	6 MONTHS					
Moratorium effective from	7/4/2012					
Repayment Period ¹¹	12 YEARS					
Repayment effective from	1/4/2013					
Repayment Frequency ¹²	HALF YEARLY					
Repayment Instalment ^{13,14}	1450.28					
Base Exchange Rate ¹⁶	NA					
Are foreign currency loan hedged?	NA					
If above is yes,specify details ¹⁷	NA					

- Source of loan means the agency from whom the loan has been taken such as WB, ADB, WMB, PNB, SBI, ICICI, IFC, PFC etc.
- Currency refers to currency of loan such as US\$, DM, Yen, Indian Rupee etc.
- Details are to be submitted as on 31.03.2009 for existing assets and as on COD for the remaining assets.
- Where the loan has been refinanced, details in the Form is to be given for the loan refinanced. However, the details of the original loan is to be given separately in the same form.
- If the Tariff in the petition is claimed separately for various units, details in the Form is to be given separately for all the units in the same form.
- Interest type means whether the interest is fixed or floating.
- Base rate means the base as PLR, LIBOR etc. over which the margin is to be added. Applicable base rate on different dates from the date of drawl may also be enclosed.
- Margin means the points over and above the floating rate.
- At times caps/floor are put at which the floating rates are frozen. If such a condition exists, specify the limits.
- Moratorium period refers to the period during which loan servicing liability is not required.
- Repayment period means the repayment of loan such as 7 years, 10 years, 25 years etc.
- Repayment frequency means the interval at which the debt servicing is to be done such as monthly, quarterly, half yearly, annual, etc.
- Where there is more than one drawal/repayment for a loan, the date & amount of each drawal/repayment may also be given separately
- If the repayment instalment amount and repayment date can not be worked out from the data furnished above, the repayment schedule to be furnished separately.
- In case of Foreign loan,date of each drawal & repayment alongwith exchange rate at that date may be given.
- Base exchange rate means the exchange rate prevailing as on 31.03.2009 for existing assets and as on COD for the remaining assets.
- In case of hedging, specify details like type of hedging, period of hedging, cost of heging, etc.
- At the time of truing up rate of interest with relevant reset date (if any) to be furnished separately
- 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.

For S.N. Nanda & Co.
Chartered Accountants

For NHPC Ltd.




(A.K. Pandey)
CE (Commercial)
Commercial Division

Details of Allocation of corporate loans to various projects

Name of the Company : **NHPC Limited**
 Name of the Power Station : **CHAMERA H.E. PROJECT STAGE-III**

(Rs in lacs)

Particulars	Package 1	Package 2	Package 3	Package 4	Package 5	Remarks
1	2	3	4	5	6	8
Source of Loan ¹	LIC	P-SERIES BONDS	Q-SERIES BONDS	Corporation Bank	Canara Bank	
Currency ²	INR	INR	INR	INR	INR	
Amount of Loan sanctioned	650000	200000	126600	50000	20000	
Amount of Gross Loan drawn upto 31.03.2009/COD ^{3,4,5,13,15}	189600	200000	126600	50000	20000	
Interest Type ⁶	Fixed	Fixed	Fixed	Floating	Floating	
Fixed Interest Rate, if applicable	N.A.	9.00%	9.25%	NA	NA	
Base Rate, if Floating Interest ⁷	Announced yield of 13 year G-Sec rate + 75 bps up to 31.03.2012, Weighted Average applicable rate of 9.118% w.e.f. 01.04.2012	NA	NA	Base Rate	Base Rate	
Margin, if Floating Interest ⁸	75bps	NA	NA	NA	NA	
Are there any Caps/Floor ⁹	Yes	NA	NA	NA	NA	
If above is yes, specify caps/floor	6.5%(Floor)	NA	NA	NA	NA	
Moratorium Period ¹⁰	7 Years 2&1/2 Months	6 YEARS	4 YEARS	3 YEARS	3 YEARS	
Moratorium effective from	2/17/2005	2/1/2010	3/12/2012	1/6/2012	1/16/2012	
Repayment Period ¹¹	12 Years	10 Years	12 YEARS	12 YEARS	12 YEARS	
Repayment effective from	4/30/2012	2/1/2016	3/12/2016	1/5/2015	1/16/2015	
Repayment Frequency ¹²	HALF YEARLY	ANNUALLY	ANNUALLY	QUARTERLY	QUARTERLY	
Repayment Instalment ^{13,14}	7900	20000	10550	1041.67	416.67	
Base Exchange Rate ¹⁶	NA	NA	NA	NA	NA	
Are Foreign currency hedged?	NA	NA	NA	NA	NA	
If above is yes, specify details. ¹⁷	NA	NA	NA	NA	NA	
Distribution of loan packages to various projects						
Name of the Projects						Total
Sewa-II	13,600					13,600
TLDP-III	16,000		4,500			20,500
Uri-II	23,078		6,000	13,200	2,000	44,278
Subansiri Lower	72,841	150,000	86,600			309,441
Chamera-III	27,850	50,000	6,000	24,300	3,000	111,150
Parbati-III	31,153		9,000	5,973	15,000	61,126
Nimmo-Bazgo	5,078					5,078
Parbati-II			14,000			14,000
Chutak			500	88		588
Kishanganga				6,439		6,439
Total	189,600	200,000	126,600	50,000	20,000	586,200

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 31.03.2004 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 refinanced. However, the details of the original loan is to be given separately in the same form.

⁵ If the Tariff in the petition is claimed separately for various units, details in the Form is to be given separately 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. 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 drawl/repayment for a loan, the date & amount of each drawl/repayment and its allocation may also be given separately

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 separately.

¹⁵ In case of Foreign loan, date of each drawl & repayment alongwith exchange rate at that date may be given.

¹⁶ Base exchange rate means the exchange rate prevailing as on 31.03.2004 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 At the time of truing up of rate of interest with relevant reset rate (if any) to be furnished separately.

¹⁹ 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.

For S.N. Nanda & Co.
Chartered Accountants

For NHPC Ltd.

A.K. Pandey
(A.K. Pandey)
CE (Commercial)
Commercial Division



Name of the Company : NHPC Limited
 Name of the Power Station : CHAMERA-III POWER STATION

Statement of Utilisation of Rs.6500 Crore LIC Line of Credit

(₹ in lakh)

Drawal Date	Drawal Amount	Allocated to						
		Sewa-II	TLDP-III	Uri-II	Subansiri Lower	Chamera-III	Parbati-III	Nimmo-Bazgo
3/21/2005	1,100	1,100	-	-	-	-	-	-
3/31/2006	8,500	8,500	-	-	-	-	-	-
5/22/2006	5,000	4,000	1,000	-	-	-	-	-
7/24/2006	3,500	-	3,500	-	-	-	-	-
3/28/2007	11,500	-	11,500	-	-	-	-	-
7/10/2007	5,000	-	-	5,000	-	-	-	-
8/24/2007	46,700	-	-	2,778	19,841	10,928	9,353	3,800
1/2/2008	48,300	-	-	7,000	18,000	8,022	14,000	1,278
3/18/2008	20,000	-	-	3,500	11,000	3,000	2,500	-
6/30/2008	40,000	-	-	4,800	24,000	5,900	5,300	-
TOTAL	189,600	13,600	16,000	23,078	72,841	27,850	31,153	5,078

Statement of Utilisation of Rs.200 Crore CANARA BANK

(₹ in lakh)

Drawal Date	Drawal Amount	Allocated to						
		Sewa-II	TLDP-III	Uri-II	Subansiri Lower	Chamera-III	Parbati-III	Nimmo-Bazgo
1/16/2012	15,000	-	-	-	-	-	15,000	-
6/27/2012	5,000	-	-	2,000	-	3,000	-	-
TOTAL	20,000	-	-	2,000	-	3,000	15,000	-

Statement of Utilisation of Rs.500 Crore CORPORATION BANK

(₹ in lakh)

Drawal Date	Drawal Amount	Allocated to						
		Sewa-II	Chutak	Uri-II	Kishangan ga	Chamera-III	Parbati-III	Nimmo-Bazgo
1/6/2012	50,000	-	88	13,200	6,439	24,300	5,973	-
TOTAL	50,000	-	88	13,200	6,439	24,300	5,973	-

Statement of Utilisation of Rs 2000 Crore P-SERIES BONDS

(Rupees in lakhs)

Drawal Date	Drawal Amount	Allocated to							
		TLDP-IV	TLDP-III	Uri-II	Subansiri Lower	Chamera-III	Chutak	Nimmo-Bazgo	Parbati-II
2/1/2010	200000	0	0	0	150000	50000	0	0	0
TOTAL	200000	0	0	0	150000	50000	0	0	0

Statement of Utilisation of Rs 1266 Crore Q-SERIES BONDS

(Rupees in lakhs)

Drawal Date	Drawal Amount	Allocated to							
		PARBATI-II PROJECT	SUBANSIR I LOWER PROJECT	TEESTA LOW DAM-III PROJECT	URI-II PROJECT	PARBATI-III PROJECT	CHAMERA-III PROJECT	CHUTAK PROJECT	Parbati-II
2/11/2013	126600	14000	86600	4500	6000	9000	6000	500	0
TOTAL	126600	14000	86600	4500	6000	9000	6000	500	0



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LOAN DISBURSEMENT DETAILS & INTEREST RATE OF CHAMERA-III										
Sl. No	Name of the FI/ Loan	Date of Disbursement	Amount of Drawl	Rate of interest on the Date of Drawl	Rate on Interest on the date of Reset	Date of reset	Rate on Interest on the date of Reset	Date of reset	Rate on Interest on the date of Reset	Date of reset
			(Rupees in Lakhs)							
1	LIFE INSURANCE CORPORATION OF INDIA LTD.	8/24/2007	10928.00	9.11%	9.118%	4/1/2012				
		1/2/2008	8022.00	8.88%	9.118%	4/1/2012				
		3/18/2008	3000.00	8.78%	9.118%	4/1/2012				
		6/30/2008	5900.00	9.78%	9.118%	4/1/2012				
			27850.00							
2	CANARA BANK	6/27/2012	3000.00	10.50%	10.25%	2/4/2013	9.95%	7/8/2013	10.20%	1/1/2014
			3000.00							
3	CARPORATION BANK	9/25/2013	24300.00	10.65%	10.50%	5/1/2012	10.25%	2/6/2013		
4	Q-SERIES BOND	2/1/2010	6000.00	9.25%						
			6000.00							
5	P-SERIES BOND	2/1/2010	50000.00	9.00%						
			50000.00							
TOTAL (1+2+3+4+5)			111150.00							



Year wise Statement of Additional Capitalisation after COD

Name of the Petitioner : NHPC Limited
 Name of the Generating Station : Chamara-III Power Station
 COD : 04.07.2012

For Financial Year : 2014-15

Sl. No.	Head of Work / Equipment	ACE Claimed (Actual / Projected)			Regulation under which claimed	Justification	Admitted Cost by the Commission, if any
		Accrual basis	Un-discharged Liability included in col.3	Cash basis			
1	2	3	4	5=3-4	6	7	8
1	Beautification of Project areas	35.00	0	35.00	0	14(1)	In original scope of work as per DPR/RCE
2	Relocation and rehabilitation of Dumping sites	10.00	0	10.00	0	14(1)	In original scope of work as per DPR/RCE
3	Land acquisition (Moukhari village)	221.00	0	221.00	0	14(1)	As per Provision in DPR/ RCE
4	Laying of premix carpet including soling metalling and side drain on existing PWD road from NHPC office main gate to MAT portal at Dharwala	25.00	0	25.00	0	14(1)	In original scope of work as per DPR/RCE
5	Soiling and metalling of Surge Shaft Road	10.00	0	10.00	0	14(1)	In original scope of work as per DPR/RCE
6	Construction of approach road to stores at Karian	7.00	0	7.00	0	14(1)	In original scope of work as per DPR/RCE
7	Construction of executive / non-executive club at Dharwala	15.00	0	15.00	0	14(1)	In original scope of work as per DPR/RCE
8	Construction of CISF Barrick at different location of Project	30.00	0	30.00	0	14(1)	In original scope of work as per DPR/RCE
9	Implementation of Restricted Governing Mode of Generation (RGMO) in all 3 Units	39.84	0	39.84	0	14(1)	In original scope of work as per DPR/RCE
10	Purchase of Station Service Transformer (1250 kVA, 11/430 V) for Power Station	30.00	0	30.00	0	14(3)	Additional work required for operation of project
11	Purchase of 500 kVA, 11/430 V Transformer for Dam, GPS III	10.00	0	10.00	0	14(3)	Additional work required for operation of project
12	Purchase of Controller & PLC Modules for SCADA system	75.00	0	75.00	0	14(3)	Additional work required for operation of project
13	Purchase of Fire Tender	16.00	0	16.00	0	14(1)	In original scope of work as per DPR/RCE
14	Purchase of Truck mounted Scissor platform	14.00	0	14.00	0	14(1)	In original scope of work as per DPR/RCE
15	Purchase of Motor boat with accessories	12.00	0	12.00	0	14(1)	In original scope of work as per DPR/RCE
16	Seismological observations instruments	37.00	0	37.00	0	14(1)	In original scope of work as per DPR/RCE

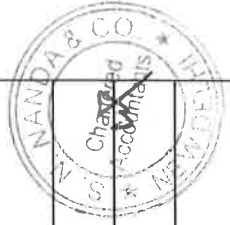


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17	Purchase, Installation & Commissioning of Security & Surveillance system in and around Power House and Dam area.	100.00	0	100.00	0	14(1)	In original scope of work as per DPR/RCE
18	LAYING OF PREMIX CARPET OF MAT PORTAL AT DHARWALS	7.78	0	7.78	0	14(1)	CWIP Capitalized (within original scope of work as per DPR/RCE).
19	CONSTRUCTION OF BETWEEN RD-335M TO 350M ON SURGE SHAFT ROAD RIVER SIDE.	2.41	0	2.41	0	14(1)	CWIP Capitalized (within original scope of work as per DPR/RCE).
Total projected Add Cap for FY 2014-15		697.03	0.00	697.03	0.00		

For Financial Year : 2015-16

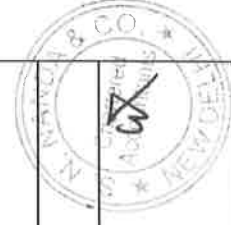
1	Catchment Area Treatment (CAT) Plan	13.61	0	13.61	0	14(2)	In original scope of work as per DPR/RCE
2	Relocation and rehabilitation of Dumping sites	10.00	0	10.00	0	14(2)	In original scope of work as per DPR/RCE
3	Land acquisition and R&R	1000.00	0	1000.00	0	14(2)	As per Provision in RCE
4	Soling and metaling of Surge Shaft Road	80.00	0	80.00	0	14(2)	In original scope of work as per DPR/RCE
5	Construction of Administrative Building	50.00	0	50.00	0	14(2)	In original scope of work as per DPR/RCE
6	Construction of CISF Barrick at different location of Project	20.00	0	20.00	0	14(2)	In original scope of work as per DPR/RCE
7	Construction of Check posts	5.00	0	5.00	0	14(2)	In original scope of work as per DPR/RCE
8	Right bank protection at Dam site for TRCM installation	90.00	0	90.00	0	14(3)	Additional work required for operation of project
9	Left Bank protection adjoining approach adit to Dam Top	30.00	0	30.00	0	14(3)	Additional work required for Dam safety
10	Gantry/Hoist System for individual Draft tube Gates (2 Nos)	145.00	0	145.00	0	14(3)	Additional work required for operation of project
11	Special Hydraulic /Pneumatic Power Tools & Jacks etc	20.00	0	20.00	0	14(2)	As per Provision in RCE
12	Portable Lub Oil Filtration Plant	10.00	0	10.00	0	14(2)	As per provisions of DPR/RCE
13	Gate for Main Access tunnel of Power House	50.00	0	50.00	0	14(3)	Additional work required for operation of project
14	Procurement of Front end loader 2.0 Cum/Wheel loader upto 200HP	40.00	0	40.00	0	14(2)	In original scope of as per DPR/RCE
15	Procurement of Wheel Dozer 130 FHP/300 FHP	150.00	0	150.00	0	14(2)	In original scope of as per DPR/RCE
16	Submersible Pump (75 kW/20kW/40 kW) for APS with Motor	70.00	0	70.00	0	14(2)	Additional work required for operation of project
17	Shaft seal Pump with motor	5.00	0	5.00	0	14(3)	Additional work required for operation of project
18	Purchase of Air Compressor	11.50	0	11.50	0	14(2)	In original scope of as per DPR/RCE



19	Purchase of Mobile crane 40T	160.00	0	160.00	0	14(2)	In original scope of as per DPR/RCE
20	Borewell at Dhanwala/Garola	4.00	0	4.00	0	14(2)	In original scope of work as per DPR/RCE
21	Sewerage treatment plant at Karian	40.00	0	40.00	0	14(2)	In original scope of work as per DPR/RCE
22	Water supply purification & distribution for Power House Colony	10.00	0	10.00	0	14(2)	In original scope of work as per DPR/RCE
23	Thermal vision camera 54 mm lens for IR thermography.	20.00	0	20.00	0	14(3)	Additional work required for operation of project
24	Purchase of Three Phase Distance Protection Relay Testing Kit	40.00	0	40.00	0	14(3)	Additional work required for operation of project
25	SUPPLY AND INSTALLATION OF TRGM AT DAM SITE	682.23	0	682.23		14(2)	CWIP Capitalized (within original scope of work as per DPR/RCE).
Total projected Add Cap for FY 2015-16		2756.34	0.00	2756.34	0.00		

For Financial Year : 2016-17

1	Environmental Monitoring Plan	27.47	0	27.47	0	14(2)	In original scope of work as per DPR/RCE
2	Land acquisition and R&R	1000.00	0	1000.00	0	14(2)	As per Provision in RCE
3	Soling and metalling of Surge Shaft Road	100.00	0	100.00	0	14(2)	In original scope of work as per DPR/RCE
4	Approach road to Switchyard	30.00	0	30.00	0	14(2)	In original scope of work as per DPR/RCE
5	Construction of Administrative Building	200.00	0	200.00	0	14(2)	In original scope of work as per DPR/RCE
6	Construction of Field Hostel	40.00	0	40.00	0	14(2)	In original scope of work as per DPR/RCE
7	Construction of CISF Barrick at different location of Project	20.00	0	20.00	0	14(2)	In original scope of work as per DPR/RCE
8	Protection of Reservoir Area	25.00	0	25.00	0	14(2)	In original scope of work as per DPR/RCE
9	Providing Log boom at Dam	50.00	0	50.00	0	14(2)	In original scope of work as per DPR/RCE
10	Installation of 11 kV line for Station Supply	50.00	0	50.00	0	14(2)	As per provisions of DPR/RCE
11	Purchase of MS pipe line & NRV valves for connection of Drainage, Dewatering & Flooding pump to APS Drainage Line as additional safety of Power Station during flooding.	50.00	0	50.00	0	14(3)	Additional work required for operation of project
12	Submersible Pump with motor (110 KW, 300 M3/HR))	50.00	0	50.00	0	14(3)	Additional work required for operation of project
13	Sewerage treatment plant at Karian	30.00	0	30.00	0	14(2)	In original scope of work as per DPR/RCE



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For Financial Year : 2018-19

1	Public Health Delivery System	90.00	0	90.00	0	14(2)	In original scope of work as per DPR/RCE
2	Provision of LPG and Energy Conservation	90.00	0	90.00	0	14(2)	In original scope of work as per DPR/RCE
3	Relocation and rehabilitation of Dumping sites	40.00	0	40.00	0	14(2)	In original scope of work as per DPR/RCE
4	Landscaping and restoration of quarries and construction areas	90.00	0	90.00	0	14(2)	In original scope of work as per DPR/RCE
5	Creation of Green belt around reservoir periphery and Voluntary Afforestation	20.00	0	20.00	0	14(2)	In original scope of work as per DPR/RCE
6	Disaster Management Plan	125.00	0	125.00	0	14(2)	In original scope of work as per DPR/RCE
7	Local Area Development Authority (LADA) Liability	2105.00	0	2105.00	0	14(2)	In original scope of work as per RCE
8	Land acquisition and R&R	1500.00	0	1500.00	0	14(2)	As per Provision in RCE
9	Construction of boundary wall/fencing, etc.	25.00	0	25.00	0	14(2)	In original scope of work as per DPR/RCE
10	Construction of CISF Barrick at different location of Project	20.00	0	20.00	0	14(2)	In original scope of work as per DPR/RCE
11	Construction of transit camp at Dam site	20.00	0	20.00	0	14(2)	In original scope of work as per DPR/RCE
12	Purchase of Unit Auxiliary Transformer for Power Station(1250 KVA)	30.00	0	30.00	0	14(3)	Additional work required for operation of project
13	Installation/fixing of modular furniture in Admin. Block and other incillary items (e.g., Air conditions, Refrigerators, LCD, Office equipments, intangible assets & other minor assets, etc.)	200.00	0	200.00	0	14(2)	In original scope of work as per RCE
Total projected Add Cap for FY 2018-19		4355.00	0.00	4355.00	0.00		
Total projected Add Cap for the period 2014-19		12881.33	0.00	12881.33	0.00		

**1295.00 Additional work (beyond original scope)
6586.33 Work within original scope excluding R&R expenses**

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 2014-19.

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.



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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.

**For S.N. Nanda & Co.
Chartered Accountants**



For NHPC Ltd.


(A.K. Pandey)
CE (Commercial)
Commercial Division

Statement of Additional Capitalisation during fag end of the Project

Name of the Petitioner : NHPC Limited
 Name of the Generating Station : CHAMERA-III Power Station
 COD : 04.07.2012

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		NOT APPLICABLE			
2					
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 S.N. Nanda & Co.
Chartered Accountants



For NHPC Ltd.


 (A.K. Pandey)
 CE (Commercial)
 Commercial Division

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

Name of the Petitioner :

NHPC Limited

Name of the Generating Station :

CHAMERA-III Power Station

COD : 04.07.2012

Sl. No.	Particulars	2014-15	2015-16	2016-17	2017-18	2018-19
1	2	3	4	5	6	7
	Closing Gross Block	Petition is based on projected additional capital expenditure reconciliation will be submitted at the time of truing up of capital expenditure.				
	Less: Opening Gross Block					
	Total Additions as per books					
	Less: Additions pertaining to other Stages (give Stage wise breakup)					
	Net Additions pertaining to instant project / Unit / Stage					
	Less: Exclusions (items not allowable / not claimed)					
	Net Additional Capital Expenditure Claimed					


Note:

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

For S.N. Nanda & Co.
Chartered Accountants

For NHPC Ltd.




(A.K. Pandey)
CE (Commercial)
Commercial Division

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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 : CHAMERA-III Power Station
 COD : 04.07.2012

Sl. No.	Head of Work / Equipment	ACE Claimed under Exclusion				Justification
		Accrual 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:

- Exclusions claimed on assets not allowed in Tariff should be supported by the specific reference of Commission Order date, Petition No., amount disallowed, etc..
- 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 S.N. Nanda & Co.
Chartered Accountants

For NHPC Ltd.



(A.K. Pandey)
CE (Commercial)
Commercial Division



Statement of Capital Cost
(To be given for relevant dates and year wise)

Name of the Petitioner : NHPC Limited

Name of the Generating Station : Chamara-III Power Station

(Amount in Lakh)

Sl. No.	Particulars	2014-15	2015-16	2016-17	2017-18	2018-19
A	a) Opening Gross Block amount As per books	208,999.75	209,696.78	212,453.11	214,143.08	217,526.08
	b) Amount of Capital liabilities in A(a) above	4,792.89	4,792.89	4,792.89	4,792.89	4,792.89
	c) Amount of IDC in A(a) above	35,505.94	35,505.94	35,505.94	35,505.94	35,505.94
	d) Amount of FC in A(a) above	341.10	341.10	341.10	341.10	341.10
	e) Amount of FERV in A(a) above	211.06	211.06	211.06	211.06	211.06
	f) Amount of Hedging Cost in A(a) above	0.00	0.00	0.00	0.00	0.00
	g) Amount of IEDC in A(a) above	55,165.95	55,165.95	55,165.95	55,165.95	55,165.95
B	a) Addition in Gross Block amount during the period (Direct purchases)	400.00	1,500.50	1,052.50	1,525.00	1,700.00
	b) Amount of Capital liabilities in B(a) above	0.00	0.00	0.00	0.00	0.00
	c) Amount of IDC in B(a) above	0.00	0.00	0.00	0.00	0.00
	d) Amount of FC in B(a) above	0.00	0.00	0.00	0.00	0.00
	e) Amount of FERV in B(a) above	0.00	0.00	0.00	0.00	0.00
	f) Amount of Hedging Cost in B(a) above	0.00	0.00	0.00	0.00	0.00
	g) Amount of IEDC in B(a) above	0.00	0.00	0.00	0.00	0.00
C	a) Addition in Gross Block amount during the period (Transfer from CWIP)	297.03	1,255.83	637.47	1,858.00	2,655.00
	b) Amount of Capital liabilities in C(a) above	0.00	0.00	0.00	0.00	0.00
	c) Amount of IDC in C(a) above	0.00	0.00	0.00	0.00	0.00
	d) Amount of FC in C(a) above	0.00	0.00	0.00	0.00	0.00
	e) Amount of FERV in C(a) above	0.00	0.00	0.00	0.00	0.00
	f) Amount of Hedging Cost in C(a) above	0.00	0.00	0.00	0.00	0.00
	g) Amount of IEDC in C(a) above	0.00	0.00	0.00	0.00	0.00
D	a) Deletion in Gross Block Amount during the period	0.00	0.00	0.00	0.00	0.00
	b) Amount of Capital liabilities in D(a) above	0.00	0.00	0.00	0.00	0.00
	c) Amount of IDC in D(a) above	0.00	0.00	0.00	0.00	0.00
	d) Amount of FC in D(a) above	0.00	0.00	0.00	0.00	0.00
	e) Amount of FERV in D(a) above	0.00	0.00	0.00	0.00	0.00
	f) Amount of Hedging Cost in D(a) above	0.00	0.00	0.00	0.00	0.00
	g) Amount of IEDC in D(a) above	0.00	0.00	0.00	0.00	0.00
E	a) Closing Gross Block amount As per books	209,696.78	212,453.11	214,143.08	217,526.08	221,881.08
	b) Amount of Capital liabilities in E(a) above	4,792.89	4,792.89	4,792.89	4,792.89	4,792.89
	c) Amount of IDC in E(a) above	35,505.94	35,505.94	35,505.94	35,505.94	35,505.94
	d) Amount of FC in E(a) above	341.10	341.10	341.10	341.10	341.10
	e) Amount of FERV in E(a) above	211.06	211.06	211.06	211.06	211.06
	f) Amount of Hedging Cost in E(a) above	0.00	0.00	0.00	0.00	0.00
	g) Amount of IEDC in E(a) above	55,165.95	55,165.95	55,165.95	55,165.95	55,165.95

Note:

1. Relevant date/s means date of COD of unit/s/station and

For S.N. Nanda & Co.
Chartered Accountants



For NHPC Ltd.

(Signature)
(A.K. Pandey)
CE (Commercial)
Commercial Division

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Form-9F

Statement of Capital Woks in Progress

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

Name of the Petitioner : NHPC Limited**Name of the Generating Station : Chamara-III Power Station**

(Amount in Rs. Lakh)

Sl. No.	Particulars	2014-15	2015-16	2016-17	2017-18	2018-19
A	a) Opening CWIP As per books	692.41	682.22	0.00	0.00	0.00
	b) Amount of Capital liabilities in A(a) above	203.17	193.88	0.00	0.00	0.00
	c) Amount of IDC in A(a) above	0.00	0.00	0.00	0.00	0.00
	d) Amount of FC in A(a) above	0.00	0.00	0.00	0.00	0.00
	e) Amount of FERV in A(a) above	0.00	0.00	0.00	0.00	0.00
	f) Amount of Hedging Cost in A(a) above	0.00	0.00	0.00	0.00	0.00
	g) Amount of IEDC in A(a) above	0.00	0.00	0.00	0.00	0.00
B	a) Addition in CWIP during the period	286.84	573.61	637.47	1,858.00	2,655.00
	b) Amount of Capital liabilities in B(a) above	0.00	0.00	0.00	0.00	0.00
	c) Amount of IDC in B(a) above	0.00	0.00	0.00	0.00	0.00
	d) Amount of FC in B(a) above	0.00	0.00	0.00	0.00	0.00
	e) Amount of FERV in B(a) above	0.00	0.00	0.00	0.00	0.00
	f) Amount of Hedging Cost in B(a) above	0.00	0.00	0.00	0.00	0.00
	g) Amount of IEDC in B(a) above	0.00	0.00	0.00	0.00	0.00
C	a) Transferred to Gross Block Amount during the period	297.03	1,255.83	637.47	1,858.00	2,655.00
	b) Amount of Capital liabilities in C(a) above	9.29	193.88	0.00	0.00	0.00
	c) Amount of IDC in C(a) above	0.00	0.00	0.00	0.00	0.00
	d) Amount of FC in C(a) above	0.00	0.00	0.00	0.00	0.00
	e) Amount of FERV in C(a) above	0.00	0.00	0.00	0.00	0.00
	f) Amount of Hedging Cost in C(a) above	0.00	0.00	0.00	0.00	0.00
	g) Amount of IEDC in C(a) above	0.00	0.00	0.00	0.00	0.00
D	a) Deletion in CWIP during the period	0.00	0.00	0.00	0.00	0.00
	b) Amount of Capital liabilities in D(a) above	0.00	0.00	0.00	0.00	0.00
	c) Amount of IDC in D(a) above	0.00	0.00	0.00	0.00	0.00
	d) Amount of FC in D(a) above	0.00	0.00	0.00	0.00	0.00
	e) Amount of FERV in D(a) above	0.00	0.00	0.00	0.00	0.00
	f) Amount of Hedging Cost in D(a) above	0.00	0.00	0.00	0.00	0.00
	g) Amount of IEDC in D(a) above	0.00	0.00	0.00	0.00	0.00
E	a) Closing CWIP as per books	682.22	0.00	0.00	0.00	0.00
	b) Amount of Capital liabilities in E(a) above	193.88	0.00	0.00	0.00	0.00
	c) Amount of IDC in E(a) above	0.00	0.00	0.00	0.00	0.00
	d) Amount of FC in E(a) above	0.00	0.00	0.00	0.00	0.00
	e) Amount of FERV in E(a) above	0.00	0.00	0.00	0.00	0.00
	f) Amount of Hedging Cost in E(a) above	0.00	0.00	0.00	0.00	0.00
	g) Amount of IEDC in E(a) above	0.00	0.00	0.00	0.00	0.00


Note:

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

For S.N. Nanda & Co.
Chartered Accountants



For NHPC Ltd.


(A.K. Pandey)
CE (Commercial)
Commercial Division

Financing of Additional Capitalisation

Name of the Petitioner : **NHPC Limited**
 Name of the Generating Station : **CHAMERA-III Power Station**
 Date of Commercial Operation : **04.07.2012**

(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	2,837.03	5,263.71	1,715.49	3,383.00	4,355.00					
Financing Details										
Loan-1										
Loan-2										
Loan-3 and so on										
Total Loan ²										
Equity										
Internal Resources	2,837.03	5,263.71	1,715.49	3,383.00	4,355.00					
Others (Pl. specify)										
Total	2,837.03	5,263.71	1,715.49	3,383.00	4,355.00					

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 S.N. Nanda & Co.
Chartered Accountants

For NHPC Ltd.

(A.K. Pandey)
CE (Commercial)
Commercial Division



Calculation of Depreciation

Name of the Petitioner :

NHPC Limited

Name of the Generating Station :

Chamera-III Power Station

(Amount in Rs.)

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.2XCol.3
1	Land – Freehold	25,631,279	0.00%	0
2	Land – Leasehold	193,079,261	3.34%	6,448,847
3	Roads and Bridges	296,538,828	3.34%	9,904,397
4	Buildings Others	134,756,651	3.34%	4,500,872
5	Building containing GPM	1,044,883,210	3.34%	34,899,099
6	Railway sidings	0	5.28%	0
7	Hydraulic Works (Dams, Water Conductor system, Hydro mechanical gates, tunnels)	12,970,671,428	5.28%	684,851,451
8	Generating Plant and machinery	4,980,944,418	5.28%	262,993,865
9	Plant and machinery Sub station	4,914,065	5.28%	259,463
10	Plant and machinery Transmission lines	7,374,935	5.28%	389,397
11	Plant and machinery Others	10,816,334	5.28%	571,102
12	Construction Equipment	4,822,153	11.25%	542,492
13	Water Supply System / Drainage and Sewerage	17,244,517	3.34%	575,967
14	Electrical installations	0	5.28%	0
15	Vehicles	11,151,051	9.50%	1,059,350
16	Aircraft/ Boats	0	9.50%	0
17	Furniture and fixture	9,423,692	6.33%	596,520
18	Computers	4,793,800	30.00%	1,438,140
19	Communication Equipment	1,389,734	6.33%	87,970
20	Office Equipments	5,437,150	6.33%	344,172
21	Research and Development	0		0
22	Computer Software	366,720	30.00%	110,016
23	Other assets	8,928,565	6.33%	565,178
24	Capital Expenditure on assets Not Owned by NHPC	0	20.00%	0
25	Tangible Assets of minor value >750 and < 5000	1,445,863	100.00%	1,445,863
26	Obsolete / surplus assets	0	0.00%	0
	TOTAL	19,734,613,654		1,011,584,161
Weighted Average Depreciation Rate (%) of depreciation				5.1259%


* 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 S.N. Nanda & Co.
Chartered Accountants

For NHPC Ltd.



 (A.K. Pandey)
 CE (Commercial)
 Commercial Division

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FORM-12

Statement of Depreciation

Name of the Petitioner :

NHPC Limited

Name of the Generating Station :

Chamera-III 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	201,500.26	204,241.21	207,078.24	212,341.95	214,057.44	217,440.44
2	Closing Capital Cost	204,241.21	207,078.24	212,341.95	214,057.44	217,440.44	221,795.44
3	Average Capital Cost	202,870.73	205,659.72	209,710.09	213,199.69	215,748.94	219,617.94
4	Freehold land	256.31	256.31	256.31	256.31	256.31	256.31
5	Rate of depreciation	5.1734%	5.1259%	5.1259%	5.1259%	5.1259%	5.1259%
6	Depreciable value	182,352.98	184,863.07	188,508.40	191,649.04	193,943.36	197,425.46
7	Balance useful life at the beginning of the period	34.25	33.25	32.25	31.25	30.25	29.25
8	Remaining depreciable value	174,589.94	166,605.35	159,708.70	152,099.73	143,465.56	135,888.51
9	Depreciation (for the period)	10,495.23	10,541.99	10,749.61	10,928.49	11,059.16	11,257.48
10	Depreciation (annualised)						
11	Cumulative depreciation at the end of the period	18,258.27	28,799.70	39,549.31	50,477.80	61,536.96	72,794.44
12	Less : Cumulative depreciation adjustment on account of un-discharged liabilities deducted as on 01.04.2009 / Station COD, whichever is later.						
13	Less : Cumulative depreciation adjustment on account of de-capitalisation (Refer Form-9B(i))	0.55	-	-	-	-	-
14	Net Cumulative depreciation at the end of the period	18,257.71	28,799.70	39,549.31	50,477.80	61,536.96	72,794.44

Note:

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

For S.N. Nanda & Co.
Chartered Accountants

For NHPC Ltd.

(A.K. Pandey)
CE (Commercial)
Commercial Division



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Calculation of Weighted Average Rate of Interest on Actual Loans¹

Name of the Company : NHPC LIMITED
 Name of the Power Station : CHAMERA-III

(Amount in lacs)

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 LIC							
	Gross loan - Opening	27850.00	27850	27850.00	27850.00	27850.00	27850.00
	Cumulative repayments of Loans upto previous year	2320.84	4641.67	6962.5	9283.33	11604.17	13925
	Net loan - Opening	25529.16	23208.33	20887.5	18566.67	16245.83	13925
	Add: Drawal(s) during the Year	0	0	0	0	0	0
	Less: Repayment (s) of Loans during the year	2320.83	2320.83	2320.83	2320.84	2320.83	2320.83
	Net loan - Closing	23208.33	20887.5	18566.67	16245.83	13925	11604.17
	Average Net Loan	24368.75	22047.915	19727.09	17406.25	15085.42	12764.59
	Rate of Interest on Loan	8.97%	8.96%	8.96%	8.91%	8.88%	8.84%
	Interest on loan	2186.29	1974.67	1767.70	1551.45	1339.83	1128.22
2 P-SERIES BONDS							
	Gross loan - Opening	50000.00	50000.00	50000.00	50000.00	50000.00	50000.00
	Cumulative repayments of Loans upto previous year	0.00	0.00	0.00	5000.00	10000.00	15000.00
	Net loan - Opening	50000.00	50000.00	50000.00	45000.00	40000.00	35000.00
	Add: Drawal(s) during the Year	0.00	0.00	0.00	0.00	0.00	0.00
	Less: Repayment (s) of Loans during the year	0.00	0.00	5000.00	5000.00	5000.00	5000.00
	Net loan - Closing	50000.00	50000.00	45000.00	40000.00	35000.00	30000.00
	Average Net Loan	50000.00	50000.00	47500.00	42500.00	37500.00	32500.00
	Rate of Interest on Loan	9.00%	9.00%	9.34%	9.36%	9.41%	9.47%
	Interest on loan	4500.00	4500.00	4438.36	3977.26	3527.26	3077.26
3 Q-SERIES BONDS							
	Gross loan - Opening	6000.00	6000.00	6000.00	6000.00	6000.00	6000.00
	Cumulative repayments of Loans upto previous year	0.00	0.00	0.00	500.00	1000.00	1500.00
	Net loan - Opening	6000.00	6000.00	6000.00	5500.00	5000.00	4500.00
	Add: Drawal(s) during the Year	0.00	0.00	0.00	0.00	0.00	0.00
	Less: Repayment (s) of Loans during the year	0.00	0.00	500.00	500.00	500.00	500.00
	Net loan - Closing	6000.00	6000.00	5500.00	5000.00	4500.00	4000.00
	Average Net Loan	6000.00	6000.00	5750.00	5250.00	4750.00	4250.00
	Rate of Interest on Loan	9.25%	9.25%	9.61%	9.64%	9.68%	9.73%
	Interest on loan	555.00	555.00	552.47	506.22	459.97	413.72
4 Corporation Bank							
	Gross loan - Opening	24300.00	24300.00	24300.00	24300.00	24300.00	24300.00
	Cumulative repayments of Loans upto previous year	0.00	0.00	506.25	2531.25	4556.25	6581.25
	Net loan - Opening	24300.00	24300.00	23793.75	21768.75	19743.75	17718.75
	Add: Drawal(s) during the Year	0.00	0.00	0.00	0.00	0.00	0.00
	Less: Repayment (s) of Loans during the year	0.00	506.25	2025.00	2025.00	2025.00	2025.00
	Net loan - Closing	24300.00	23793.75	21768.75	19743.75	17718.75	15693.75
	Average Net Loan	24300.00	24046.88	22781.25	20756.25	18731.25	16706.25
	Rate of Interest on Loan	10.25%	10.31%	10.17%	10.14%	10.12%	10.11%
	Interest on loan	2490.75	2478.52	2317.73	2104.06	1896.50	1688.93
5 CANARA BANK							
	Gross loan - Opening	3000.00	3000.00	3000.00	3000.00	3000.00	3000.00
	Cumulative repayments of Loans upto previous year	0.00	0.00	62.50	312.50	562.50	812.50
	Net loan - Opening	3000.00	3000.00	2937.50	2687.50	2437.50	2187.50
	Add: Drawal(s) during the Year	0.00	0.00	0.00	0.00	0.00	0.00
	Less: Repayment (s) of Loans during the year	0.00	62.50	250.00	250.00	250.00	250.00



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Net loan - Closing	3000.00	2937.50	2687.50	2437.50	2187.50	1937.50
Average Net Loan	3000.00	2968.75	2812.50	2562.50	2312.50	2062.50
Rate of Interest on Loan	10.09%	10.26%	10.15%	10.12%	10.11%	10.10%
Interest on loan	302.77	304.69	285.51	259.26	233.76	208.26
TOTAL LOANS						
Gross loan - Opening	111150.00	111150.00	111150.00	111150.00	111150.00	111150.00
Cumulative repayments of Loans upto previous year	2320.84	4641.67	7531.25	17627.08	27722.92	37818.75
Net loan - Opening	108829.16	106508.33	103618.75	93522.92	83427.08	73331.25
Add: Drawal(s) during the Year	0.00	0.00	0.00	0.00	0.00	0.00
Less: Repayment (s) of Loans during the year	2320.83	2889.58	10095.83	10095.84	10095.83	10095.83
Net loan - Closing	106508.33	103618.75	93522.92	83427.08	73331.25	63235.42
Average Net Loan	107668.75	105063.54	98570.84	88475.00	78379.17	68283.34
Interest on loan	10034.80	9812.89	9361.77	8398.24	7457.32	6516.39
Weighted average Rate of Interest on Loans	9.32%	9.34%	9.50%	9.49%	9.51%	9.54%

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

For S.N. Nanda & Co.
Chartered Accountants

For NHPC Ltd.



(A.K. Pandey)
CE (Commercial)
Commercial Division



Calculation of Interest taken in Form 13

Figures in lacs

Sl. No.	Principal	From	to	Days	Interest Rate (%)	Interest	Intt. in form 13
1	LIC - 6500						
	23208.33	1-Apr-14	29-Apr-14	29	9.118%	168.13	1974.67
	22047.92	30-Apr-14	30-Oct-14	184	9.118%	1013.43	
	20887.50	31-Oct-14	31-Mar-15	152	9.118%	793.12	
	20887.50	1-Apr-15	29-Apr-15	29	9.118%	151.32	1767.70
	19727.08	30-Apr-15	30-Oct-15	184	9.118%	906.75	
	18566.67	31-Oct-15	31-Mar-16	153	9.118%	709.63	
	18566.67	1-Apr-16	29-Apr-16	29	9.118%	134.51	1551.45
	17406.25	30-Apr-16	30-Oct-16	184	9.118%	800.07	
	16245.83	31-Oct-16	31-Mar-17	152	9.118%	616.87	
	16245.83	1-Apr-17	29-Apr-17	29	9.118%	117.69	1339.83
	15085.42	30-Apr-17	30-Oct-17	184	9.118%	693.40	
	13925.00	31-Oct-17	31-Mar-18	152	9.118%	528.74	
	13925.00	1-Apr-18	29-Apr-18	29	9.118%	100.88	1128.22
	12764.58	30-Apr-18	30-Oct-18	184	9.118%	586.72	
	11604.17	31-Oct-18	31-Mar-19	152	9.118%	440.62	
				1826		7761.87	7761.87
2	Corporation Bank						
	24300	1-Apr-14	4-Jan-15	279	10.25%	1903.89	2478.52
	23793.75	5-Jan-15	31-Mar-15	86	10.25%	574.64	
	23793.75	1-Apr-15	4-Apr-15	4	10.25%	26.73	2317.73
	23287.5	5-Apr-15	4-Jul-15	91	10.25%	595.11	
	22781.25	5-Jul-15	4-Oct-15	92	10.25%	588.57	
	22275	5-Oct-15	4-Jan-16	92	10.25%	575.49	
	21768.75	5-Jan-16	31-Mar-16	87	10.25%	531.84	
	21768.75	1-Apr-16	4-Apr-16	4	10.25%	24.45	2104.06
	21262.5	5-Apr-16	4-Jul-16	91	10.25%	543.36	
	20756.25	5-Jul-16	4-Oct-16	92	10.25%	536.25	
	20250	5-Oct-16	4-Jan-17	92	10.25%	523.17	
	19743.75	5-Jan-17	31-Mar-17	86	10.25%	476.83	
	19743.75	1-Apr-17	4-Apr-17	4	10.25%	22.18	1896.50
	19237.5	5-Apr-17	4-Jul-17	91	10.25%	491.61	
	18731.25	5-Jul-17	4-Oct-17	92	10.25%	483.93	
	18225	5-Oct-17	4-Jan-18	92	10.25%	470.85	
	17718.75	5-Jan-18	31-Mar-18	86	10.25%	427.92	
	17718.75	1-Apr-18	4-Apr-18	4	10.25%	19.90	1688.93
	17212.5	5-Apr-18	4-Jul-18	91	10.25%	439.86	
	16706.25	5-Jul-18	4-Oct-18	92	10.25%	431.62	
	16200	5-Oct-18	4-Jan-19	92	10.25%	418.54	
	15693.75	5-Jan-19	31-Mar-19	86	10.25%	379.01	
				1826		10485.74	10485.74



Ay

Calculation of Interest taken in Form 13

Figures in lacs

Sl. No.	Pricipal	From	to	Days	Interest Rate (%)	Interest	Intt. in form 13
3	CANARA BANK						
	3000	1-Apr-14	15-Jan-15	290	10.20%	243.12	304.69
	2937.5	16-Jan-15	31-Mar-15	75	10.20%	61.57	
	2937.5	1-Apr-15	15-Apr-15	15	10.20%	12.31	285.51
	2875	16-Apr-15	15-Jul-15	91	10.20%	73.11	
	2812.5	16-Jul-15	15-Oct-15	92	10.20%	72.31	
	2750	16-Oct-15	15-Jan-16	92	10.20%	70.70	
	2687.5	16-Jan-16	31-Mar-16	76	10.20%	57.08	
	2687.5	1-Apr-16	15-Apr-16	15	10.20%	11.27	259.26
	2625	16-Apr-16	15-Jul-16	91	10.20%	66.75	
	2562.5	16-Jul-16	15-Oct-16	92	10.20%	65.88	
	2500	16-Oct-16	15-Jan-17	92	10.20%	64.27	
	2437.5	16-Jan-17	31-Mar-17	75	10.20%	51.09	
	2437.5	1-Apr-17	15-Apr-17	15	10.20%	10.22	233.76
	2375	16-Apr-17	15-Jul-17	91	10.20%	60.40	
	2312.5	16-Jul-17	15-Oct-17	92	10.20%	59.45	
	2250	16-Oct-17	15-Jan-18	92	10.20%	57.85	
	2187.5	16-Jan-18	31-Mar-18	75	10.20%	45.85	
	2187.5	1-Apr-18	15-Apr-18	15	10.20%	9.17	208.26
	2125	16-Apr-18	15-Jul-18	91	10.20%	54.04	
	2062.5	16-Jul-18	15-Oct-18	92	10.20%	53.03	
	2000	16-Oct-18	15-Jan-19	92	10.20%	51.42	
	1937.5	16-Jan-19	31-Mar-19	75	10.20%	40.61	
				1826		1291.49	1291.49

4	P-SERIES BONDS						
	50000	1-Apr-14	31-Mar-15	365	9.000%	4500.00	4500.00
	50000	1-Apr-15	31-Jan-16	306	9.000%	3772.60	4438.36
	45000	1-Feb-16	31-Mar-16	60	9.000%	665.75	
	45000	1-Apr-16	31-Jan-17	306	9.000%	3395.34	3977.26
	40000	1-Feb-17	31-Mar-17	59	9.000%	581.92	
	40000	1-Apr-17	31-Jan-18	306	9.000%	3018.08	3527.26
	35000	1-Feb-18	31-Mar-18	59	9.000%	509.18	
	35000	1-Apr-18	31-Jan-19	306	9.000%	2640.82	3077.26
	30000	1-Feb-19	31-Mar-19	59	9.000%	436.44	
				1826		19520.14	19520.14

5	Q-SERIES BONDS						
	6000	1-Apr-14	31-Mar-15	365	9.250%	555.00	555.00
	6000	1-Apr-15	11-Mar-16	345	9.250%	524.59	552.47
	5500	12-Mar-16	31-Mar-16	20	9.250%	27.88	
	5500	1-Apr-16	11-Mar-17	345	9.250%	480.87	506.22
	5000	12-Mar-17	31-Mar-17	20	9.250%	25.34	



Ag

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Appendix to Form-13

Calculation of Interest taken in Form 13

Figures in lacs

Sl. No.	Principal	From	to	Days	Interest Rate (%)	Interest	Intt. in form 13
	5000	1-Apr-17	11-Mar-18	345	9.250%	437.16	459.97
	4500	12-Mar-18	31-Mar-18	20	9.250%	22.81	
	4500	1-Apr-18	11-Mar-19	345	9.250%	393.44	413.72
	4000	12-Mar-19	31-Mar-19	20	9.250%	20.27	
				1825		2487.36	2487.36



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Calculation of Interest on Normative Loan

Name of the Petitioner : **NHPC Limited**
 Name of the Generating Station : **Chamera-III 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)	(8)
1	Gross Normative loan - Opening	141,050.18	142,968.84	144,954.77	148,639.36	149,840.21	152,208.31
2	Cumulative repayment of Normative loan upto previous year	7,774.72	18,269.95	28,811.94	39,561.55	50,490.04	61,549.19
3	Net Normative loan - Opening	133,275.46	124,698.89	116,142.82	109,077.81	99,350.17	90,659.11
4	Add : Increase due to addition during the year / period	1,918.66	487.92	1929.44	1182.98	2368.10	3048.50
5	Less : Decrease due to de-capitalisation during the year / period		0.00	0.00	0.00	0.00	0.00
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		1498.00	1755.1615	17.864833	0	0
	Less : Repayment during the year	10,495.23	10,541.99	10,749.61	10,928.49	11,059.16	11,257.48
8	Net Normative loan - Closing	124,698.89	116,142.82	109,077.81	99,350.17	90,659.11	82,450.13
9	Average Normative loan	128,987.18	120420.86	112610.32	104213.99	95004.64	86554.62
10	Weighted average rate of interest	9.32%	9.34%	9.50%	9.49%	9.51%	9.54%
11	Interest on Loan	12,021.70	11,247.25	10,695.17	9,892.22	9,039.13	8,260.05

For S.N. Nanda & Co.
Chartered Accountants

For NHPC Ltd.

(A.K. Pandey)
CE (Commercial)
Commercial Division



Calculation of Interest on Working Capital

Name of the Petitioner :

NHPC Limited

Name of the Generating Station :

Chamera-III Power Station

(Amount in ₹ 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	682.92	394.26	420.44	448.35	478.12	509.87
2	Maintenance Spares	379.40	709.66	756.79	807.04	860.62	917.77
3	Receivables	6,806.23	6,743.30	6,783.06	6,772.84	6,739.72	6,749.01
4	Total Working Capital	7,868.54	7,847.22	7,960.29	8,028.23	8,078.47	8,176.65
5	Rate of Interest	13.50%	13.50%	13.50%	13.50%	13.50%	13.50%
6	Interest on Working Capital	1,062.25	1,059.37	1,074.64	1,083.81	1,090.59	1,103.85

For S.N. Nanda & Co.
Chartered Accountants

For NHPC Ltd.



(A.K. Pandey)
CE (Commercial)
Commercial Division



BASE RATE (HISTORICAL DATA) ▣

Effective Date	Interest Rate (%)
07.11.2013	10
19.09.2013	9.8
04.02.2013	9.7
20.09.2012	9.75
13.08.2011	10
11.07.2011	9.5
12.05.2011	9.25
25.04.2011	8.5
14.02.2011	8.25
03.01.2011	8
21.10.2010	7.6
01.07.2010	7.5

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FORM-13C

Incidental Expenditure during Construction

Name of the Petitioner :

NHPC Limited

Name of the Generating Station :

Chamera-III Power Station

(Amount in ₹ Lakh)

Sl. No.	Particulars	Up to Schedule COD	Upto actual / 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 Expenses		
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 S.N. Nanda & Co.
Chartered Accountants

For NHPC Ltd.


(A.K. Pandey)
CE (Commercial)
Commercial Division



Incidental Expenditure during Construction

Name of the Petitioner :

NHPC Limited

Name of the Generating Station :

Chamera-III Power Station


(Amount in ₹ Lakh)

Sl. No.	Particulars	Up to Schedule COD	Upto actual / 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 Expenses		
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 S.N. Nanda & Co.
Chartered Accountants

For NHPC Ltd.




(A.K. Pandey)
CE (Commercial)
Commercial Division

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Name of the Petitioner : NHPC Limited
 Name of the Generating Station : Chamera-III 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 S.N. Nanda & Co.
 Chartered Accountants

For NHPC Ltd.

(A.K. Pandey)
 CE (Commercial)
 Commercial Division



Actual cash expenditure**Name of the Petitioner :****NHPC Limited****Name of the Generating Station :****Chamera-III Power Station**

(Amount in ₹ 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

For S.N. Nanda & Co.**Chartered Accountants****For NHPC Ltd.**
(A.K. Pandey)**CE (Commercial)****Commercial Division**

Generating Company : NHPC Limited

Name of Hydro-Electric Generating Station : CHAMERA HE PROJECT STAGE-III

Installed Capacity : 3 X 77 MW = 231 MW

Month		Design Energy * (MUs)	Designed Peaking Capability (MW)*
April	I	18.61	231 MW for minimum 3 hours
	II	27.31	
78.13	III	32.21	
May	I	43.91	
	II	52.67	
154.51	III	57.93	
June	I	52.67	
	II	52.67	
153.66	III	48.32	
July	I	50.49	
	II	52.67	
161.09	III	57.93	
August	I	52.67	
	II	52.67	
163.27	III	57.93	
September	I	45.77	
	II	38.32	
117.38	III	33.29	
October	I	28.83	
	II	24.15	
76.31	III	23.33	
November	I	18.87	
	II	17.09	
50.45	III	14.49	
December	I	12.93	
	II	11.89	
35.57	III	10.75	
January	I	10.29	
	II	9.03	
28.21	III	8.89	
February	I	8.34	
	II	8.43	
22.50	III	5.74	
March	I	8.90	
	II	14.88	
45.30	III	21.52	
1086.37			
Total		1086.37	

* As per DPR / TEC of CEA dated 10.10.2003.

Note:

Specify the number of peaking hours for which station has been designed - 3 hours.

* Design energy calculated considering 15% of the minimum inflow observed in the lean flow as downstream discharge as per GOHP notification dtd.26.07.2011 whereas approved design energy is 1108.17 MU as per TEC.

For S.N. Nanda & Co.
Chartered Accountants



For NHPC Ltd.

(A.K. Pandey)
CE (Commercial)
Commercial Division

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FORM-15B

Design energy and MW Continuous (monthwise) - ROR type stations
Generating Company : NHPC Limited

Name of Hydro-Electric Generating Station : CHAMERA-III

Installed Capacity : 3 X 77 MW = 231 MW

Month		Design Energy* (MUs)	MW continuous*
April	I		
	II		
	III		
May	I		
	II		
	III		
June	I		
	II		
	III		
July	I		
	II		
	III		
August	I		
	II		
	III		
September	I	NOT APPLICABLE	
	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

For S.N. Nanda & Co.
Chartered Accountants



For NHPC Ltd.

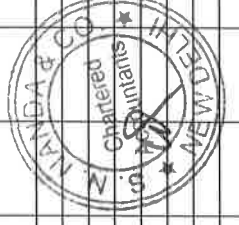
(Signature)
(A.K. Pandey)
CE (Commercial)
Commercial Division

Liability Flow Statement

Name of the Petitioner : NHPC Limited
Name of the Generating Station : Chamera-III Power Station

Liability pertaining to COD

Party	Asset/Work	Year of actual capitalisation	Original Liability	Liability as on 31.03.2014	Discharges (Year wise)			Reversal (Year wise)		
					2014-15	2015-16	2016-17	2017-18	2018-19	2019-20
PATHANIA ELECTRONICS & ELECTRICAL	Computer	COD	40,000	0						
BADYAL INFOTECH & D_NET SPACE	computer	COD	40,000	0						
RAMA ENGINEERING WORKS	pump	COD	1,000	1,000	1,000					
ALLIED TECHNOLOGIES	computer	COD	40,000	0						
R.K. TRADING ENGINEERS	pump	COD	1,000	1,000	1,000					
VIKAS ENGINEERING	incilator	COD	40,000	0						
CHINTAN SALES	incilator	COD	40,000	0						
COMPETENT ENGINEERS	incilator	COD	40,000	0						
HINDUSTAN CONSTRUCTION CO. LTD	major civil work	COD	134,497,080	61,887,804	61,887,804					
ROHIT GUPTA	building	COD	462,351	0						
ALSTOM INDIA LIMITED	Major E&M work	COD	121,107,060	1,940,912	1,940,912					
OM METALS SPML(JV)	Major HM work	COD	71,242,207	40,552,119	20,000,000	18,000,000	2,552,119			
ALSTOM HYDRO FRANCE	Major E&M work	COD	34,425,531	13,114,035	13,114,035					
SAHIB SINGH	civil	COD	1,986,423	0	0					
NEELAM SHARMA	building	COD	140,303	0	0					
ALLIED TRADE LINKS PVT LTD ,	ALLUMINUM LADDER	COD	11,399	0	0					
KORES INDIA LIMITED	FRANKING MACHINE	COD	119,352	0	0					
ALFA COPIER	PROJECTOR	COD	22,774	0	0					
SUMER & CO. (REGD.),	ALLUMINUM LADDER	COD	15,863	0	0					
PATHANIA ELECTRONICS & ELECTRICAL	LASER PRINTERS	COD	438,532	0	0					
AAR KAY STEEL INDUSTRIES	STORE RACKS	COD	627,915	0	0					
S G OFFICE AUTOMATION	PHOTOCOPY MACHINE	COD	45,688	0	0					
SINTEX INDUSTRIES LTD	BUNK HOUSE	COD	804,418	0	0					
INDUSTRIAL EQUIPMENTS COMPANY	D.G SET	COD	633,884	0	0					
OM METALS SPML(JV)	Major HM work	COD	9,749,860	0	0					
ALSTOM HYDRO FRANCE	Major E&M work	COD	72,657,203	4,216,579	4,216,579					
BHAGWAN PARKASH CHONA	road & building	COD	108,467	0	0					
HINDUSTAN CONSTRUCTION CO. LTD	major civil work	COD	4,841,256	658,468	658,468					
ROHIT GUPTA	building	COD	7,701	0	0					
ROSHAN LAL PANDITA	building	COD	158,472	0	0					
SHIVANK SHARMA	building	COD	15,446	6,636	6,636					
VINOD SURI GOVT. CONTRACTOR	building	COD	145,098	113,000	113,000					
DAS ENTERPRISE	building	COD	10,178	0	0					
SAT PAL	building	COD	6,857	0	0					
C P SYSTEMS PVT. LTD.	other civil	COD	474,001	0	0					
GOVIND RAJ PROJECTS PVT. LTD.	other civil	COD	46,121	0	0					



Confidential

NHPC Limited
(A Government of India Enterprise)

No. NH/CS/8(374)/1210

Dated:28.7.2014


Sub: Decision of the Board of Directors.

Extracts from the Minutes of the 374th Meeting of the Board of Directors of NHPC Limited held on 7th July, 2014 in respect of following item(s) is/are forwarded herewith for information and necessary action please.

Item No.	Subject
374.2.32	Projected Additional Capital Expenditure of Power Stations for the tariff period 2014-19.

Follow-up action taken wherever necessary on the decision of the Board of Directors may please be intimated.

Executive Director(O&M)


(Vijay Gupta)
Company Secretary

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EXTRACTS OF THE MINUTES OF 374TH MEETING OF THE
BOARD OF DIRECTORS OF NHPC LIMITED HELD ON 07.07.2014.

X X X X X X X

ITEM NO.

374.2.32 : PROJECTED ADDITIONAL CAPITAL EXPENDITURE OF POWER
STATIONS FOR THE TARIFF PERIOD 2014-19:

1. The Board was informed that Central Electricity Regulation Commission (CERC) allows Power Station-wise tariff for each tariff period on the basis of petition filed before it. Hon'ble Commission has notified regulations for the tariff period 2014-19. As per the regulations, CERC allows tariff on capital cost at the beginning of tariff period and projected capital expenditure for the next five years/ end of tariff period. The projected capital expenditure for the tariff period 2014-19 in respect of each power station has been examined by the management which will be reviewed including additional expenditure, if required, in financial year 2016-17. Accordingly, tariff petitions are required to be filed for the tariff period 2014-19 in respect of 18 power stations in operation.

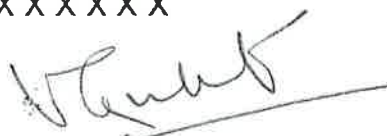
2. The Board after consideration of above, accorded its in principle approval for additional capital expenditure of Rs.1070.83 Crore.

3. The Board also passed the following resolutions:

1. "RESOLVED THAT the projected Additional Capital Expenditure of 18 Power Stations amounting to Rs.1070.83 crore for the tariff period 2014-19 as detailed in Annexure-1 to 18 of the agenda note, be and is hereby approved in principle."
2. "RESOLVED FURTHER THAT Chairman & Managing Director/Director (Technical) be and is hereby authorized to modify projected Additional Capital Expenditure based on the admissibility as per applicable CERC regulations/requirement at site."
3. "RESOLVED FURTHER THAT the additional capital expenditure shall be reviewed after the issue of CERC orders regarding fixation of the tariff for the period 2014-19. The truing up petitions, wherever required, shall be filed in 2016-17, to minimize the impact of interest due to variation between additional capital allowed vs. actual."

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एन एच पी सी लिमिटेड
(भारत सरकार का उद्यम)

NHPC Limited
(A Government of India Enterprise)

संदर्भ सं./Ref. No. NH/Comm/Tariff/315/2014/1113

The Secretary,
Central Electricity Regulatory Commission,
3rd & 4th Floor, Chanderlok Building, 36,
Janpath, New Delhi – 110 001.

फोन/Phone : _____
दिनांक/Date : 29.04.2012
क. वि. वि. आयोग
दिनांक 30/4/2014
प्राप्त हुआ
अरविश्वरूप

Sub.: Payment of yearly installment of filing fees for tariff petitions of 18 power stations of NHPC Limited for the tariff period 2014-15.

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

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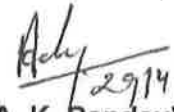
Details of remittance through RTGS/NEFT are provided in enclosed Form-I as per CERC (Payment of Fees) Regulations, 2012 for each project.

Kindly acknowledge receipt.

Encl.: Form-I (18 sheets).

Thanking you,

Yours sincerely,

 29/11/14


(A. K. Pandey)

Chief Engineer (Comml.)

Telefax No.0129-2256558

o/c

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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 Chamera -III HE Project for the period 01.04.2014 to 31.03.2019.
4	Petition No., if any	
5	Details of generation assets	
(a)	generating station/units	Chamera -III / 3 units
(b)	Capacity in MW	231 MW (3 x 77 MW)
(c)	Date of commercial operation	04.07.2012
(d)	Period for which fee paid	01.04.2014 to 31.03.2015
(e)	Amount of fee paid	₹10,16,400 /-
(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.	SBIN814118294517
(b)	Date of remittance	28.04.2014
(c)	Amount remitted	₹10,16,400 /-
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  29/4/14		