



एन.टी.पी.सी-सेल पावर कम्पनी प्राइवेट लिमिटेड
(एन.टी.पी.सी. और सेल का संयुक्त उद्यम)

NTPC-SAIL Power Company Private Limited
(A Joint Venture of NTPC & SAIL)

केन्द्रीय कार्यालय
CORPORATE CENTRE

Ref. No.: 01: CP & C:121G
Date: 27th June, 2014

To,

The Bench Officer
Central Electricity Regulatory Commission
3rd & 4th Floor, Chanderlok Building,
36, Janpath,
New Delhi-110001.

Subject: Petition Under Section 62 and 79 (1) (a) of the Electricity Act, 2003 read with Chapter-V of the Central Electricity Regulatory Commission (Conduct of Business) Regulations, 1999 for Approval of tariff of Bhilai Expansion Power Plant (2 x 250 MW) from 21.10.2009 to 31.03.2014 after the truing up exercise.

Dear Sir,

Enclosed herewith please find the Petition Under Section 62 and 79 (1) (a) of the Electricity Act, 2003 read with Chapter-V of the Central Electricity Regulatory Commission (Conduct of Business) Regulations, 1999 for Approval of tariff of Bhilai Expansion Power Plant (2 x 250 MW) from 21.10.2009 to 31.03.2014 after the truing up exercise in ten sets (1 original +9 photocopies).

A copy of this Petition has also been served to the Respondents (Copy of proof of service enclosed at **Annexure-I**).

Kindly acknowledge receipt of the same.

Thanking you,


Yours faithfully,

(Arvind Jhalani)
AGM (Commercial)


Corp. Office :

चौथा तल, 15, एनबीसीसी टावर, भीकाजी कामा प्लेस, नई दिल्ली - 110006 टेल / Tel. : (0) 011-26717361 QSDI / Fax : 011-26717363, 26717365


SP R K PURAM-MAIN <110066>
 ED439656907IN
 Counter No:2,OP-Code:KSB
 To:EXT ENG DNH,
 SILVASSA, PIN:396230
 From:NTPC SAIL POWER, MD
 Wt:265grams,
 Amt:67.00, 30/06/2014, 12:49
 Taxes:Rs.7.00<Track on www.indiapost.gov.in>>




SP R K PURAM-MAIN <110066>
 ED439657010IN
 Counter No:2,OP-Code:KSB
 To:GC MUMERJEE,
 SUNDAR NAGAR, PIN:492013
 From:NTPC SAIL POWER, MD
 Wt:275grams,
 Amt:67.00, 30/06/2014, 12:47
 Taxes:Rs.7.00<Track on www.indiapost.gov.in>>



SP R K PURAM-MAIN <110066>
 ED439657037IN
 Counter No:2,OP-Code:KSB
 To:EXT ENG,
 DAWN, PIN:396210
 From:NTPC SAIL POWER, MD
 Wt:265grams,
 Amt:67.00, 30/06/2014, 12:47
 Taxes:Rs.7.00<Track on www.indiapost.gov.in>>



SP R K PURAM-MAIN <110066>
 ED439656924IN
 Counter No:2,OP-Code:KSB
 To:TEJVEER SINGH,
 LODI ROAD, PIN:110003
 From:NTPC SAIL POWER, MD
 Wt:265grams,
 Amt:34.00, 30/06/2014, 12:48
 Taxes:Rs.4.00<Track on www.indiapost.gov.in>>



BEFORE THE CENTRAL ELECTRICITY REGULATORY COMMISSION
NEW DELHI

PETITION NO.:

IN THE MATTER OF : Petition Under Section 62 and 79 (1) (a) of the Electricity Act, 2003 read with Chapter-V of the Central Electricity Regulatory Commission (Conduct of Business) Regulations, 1999 for approval of tariff **of Bhilai Expansion Power Plant (2 x 250 MW)** from 21.10.2009 to 31.03.2014 after the truing up exercise.

AND
IN THE MATTER OF

Petitioner

NTPC SAIL Power Company Private Limited
NBCC Tower (4th Floor),
15, Bhikaji Cama Place
New Delhi - 110066

Versus

Respondent

1. DNH Power Distribution Corporation Ltd.
First Floor, Vidhyut Bhavan,
Opp. Secretariat,
SILVASSA-396230.
(erstwhile Electricity Department
UT of Dadra & Nagar Haveli)
2. Electricity Department
UT of Daman & Diu,
OIDC Building, Somnath
Nani Daman-396 210.
3. Chhattisgarh State Power Distribution Co.
Ltd. (erstwhile CSEB),
Dangania
P.O. Sunder Nagar,
RAIPUR-492013.
4. Steel Authority of India Limited (SAIL),
Ispat Bhawan,
Lodhi Road,
New Delhi-110003



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AFFIDAVIT SUPPORTING THE PETITION

I, Arvind Jhalani, son of Shri G L Jhalani, aged about 53 years residing at Flat No. B-44, Parwana Apartments, Mayur Vihar, Phase-I, Delhi-91 do hereby solemnly affirm and state as follows:

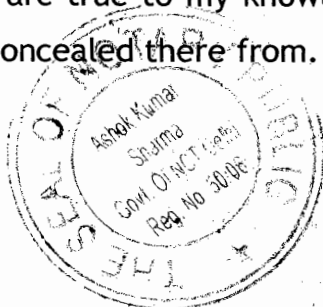
I am working as Additional General Manager (Commercial) with NTPC SAIL Power Company Private Limited (NSPCL), the Petitioner in the above matter and I am conversant with and duly authorised by the said Petitioner to make this affidavit.

The statements made in the Petition are based on official records maintained during the course of business and I believe them to be true to the best of my knowledge.

Arvind Jhalani
(DEPONENT)

Verification

Solemnly affirm at New Delhi on this 27th day of June, 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.



Arvind Jhalani
(DEPONENT)

ARVIND JHALANI
Addl. General Manager (Commercial)
NTPC SAIL Power Company Private Limited
4th Floor, NBCC Tower, 15, Bhikaji Cama
New Delhi-110066

ATTESTED

NOTARY PUBLIC
DELHI (INDIA)
30/6/14

BEFORE THE CENTRAL ELECTRICITY REGULATORY COMMISSION
NEW DELHI

PETITION NO.:

IN THE MATTER OF : Petition Under Section 62 and 79 (1) (a) of the Electricity Act, 2003 read with Chapter-V of the Central Electricity Regulatory Commission (Conduct of Business) Regulations, 1999 for approval of tariff **of Bhilai Expansion Power Plant (2 x 250 MW)** from 21.10.2009 to 31.03.2014 after the trueing up exercise.

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1. DNH Power Distribution Corporation Ltd.
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(erstwhile Electricity Department
UT of Dadra & Nagar Haveli)
2. Electricity Department
UT of Daman & Diu,
OIDC Building, Somnath
Nani Daman-396 210.
3. Chhattisgarh State Power Distribution Co.
Ltd. (erstwhile CSEB),
Dangania
P.O. Sunder Nagar,
RAIPUR-492013.
4. Steel Authority of India Limited (SAIL),
Ispat Bhawan,
Lodhi Road,
New Delhi-110003

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MOST RESPECTFULLY SHOWETH :

1. The Petitioner herein is NTPC SAIL Power Company Private Limited (hereinafter referred to as '**NSPCL**'), a company incorporated under the Companies Act, 1956, with registered office at NBCC Tower (4th Floor), 15, Bhikaji Cama Place, New Delhi -110066. NSPCL is a Joint Venture formed by NTPC Limited (NTPC) and Steel Authority of India Limited, Respondent No. 4 (hereinafter referred to as SAIL), each having equity participation on 50: 50 basis.
2. NSPCL is a Special Purpose Vehicle established, inter-alia, to take over thermal power generating units mainly for the Captive Power requirements of SAIL. NSPCL took over Power Plants (CPPs-II) of total capacity 314 MW from SAIL to meet such captive requirements namely located at Durgapur Steel Plant (2 x 60 MW) in the State of West Bengal, at Rourkela Steel Plant (2 x 60 MW) in the State of Odisha and at Bhilai Steel Plant (2 x 30 MW + 1 x 14 MW) in the State of Chhattisgarh which meet the captive requirements of SAIL engaged in manufacture of steel located in the above three States.
3. Bhilai Captive Power Plant - II is one such station of the Petitioner located at Durg District in the State of Chhattisgarh, having an installed capacity of 74 MW (2 x 30 + 1 x 14 MW) which is owned, operated and maintained by the Petitioner to supply power to Bhilai Steel Plant to meet its captive power requirement.
4. To meet primarily the additional power requirement of SAIL and other beneficiaries, the Petitioner commissioned an expansion project, at Bhilai by adding 2 x 250 MW units. The 1st 250 MW unit of Bhilai Expansion Power Plant has been declared under commercial operation w.e.f. 22.04.09 and the 2nd 250 MW unit has been declared under commercial operation w.e.f. 21.10.09. Thus, the entire expansion project of 500 MW has been declared under commercial operation.
5. Bhilai Expansion Power Plant (2 X 250 MW) of the Petitioner is a Central generating station in terms of section 2 (k) of CERC (IEGC) Regulations, 2010.

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6. The power generated from the Bhilai Expansion Power Plant is sold to SAIL/BSP and its other units and Respondents 1 to 3 which are distribution licensees in the respective States/Union Territories within the meaning of Section 14 of the Electricity Act, 2003. Supply of power from the generating units of the Bhilai Expansion Power Plant is governed as per terms and conditions of Power Purchase Agreements signed between Petitioner and Respondents.
7. That Section 62 of Electricity Act, 2003 provides for determination of tariff by the Appropriate Commission for supply of electricity by generating company to distribution licensees. That the Hon'ble Commission is vested with the powers to regulate the tariff of the Generating Companies owned or controlled by the Central Government for generation and sale of electricity to distribution licensees as envisaged under Section 79 of Electricity Act, 2003 and in the case of other generating companies having a composite arrangement for generation and sale of power in two or more states.
8. The Hon'ble Commission has notified the Central Electricity Regulatory Commission (Terms & Conditions of Tariff) Regulations, 2009 (hereinafter 'Tariff Regulations 2009') which have come into force from 1.4.2009 and specify the terms & conditions and methodology of tariff determination under Section 62 & 79 of the Electricity Act, 2003.
9. Regulation 5 (2) of the Tariff Regulations 2009 provides

"(2) The generating company or the transmission licensee, as the case may be, shall make an application as per Appendix I to these regulations, for determination of tariff based on capital expenditure incurred duly certified by the auditors or projected to be incurred up to the date of commercial operation and additional capital expenditure incurred duly certified by the auditors or projected to be incurred during the tariff period of the generating station or the transmission system:

Provided that in case of an existing project, the application shall be based on admitted capital cost including any additional capitalization already admitted up to 31.3.2009 and estimated additional capital expenditure for the respective years of the tariff period 2009-14:

Provided further"

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10. In accordance with the above, petition for determination of tariff for Bhilai Expansion Power Plant (2 x 250 MW) was filed before the Hon'ble Commission on the basis of admitted capital cost as on 21.10.2009 and estimated additional capital expenditure for the respective years of the tariff period 2009-14.
11. The tariff for Bhilai Expansion Power Plant (2 x 250 MW) for the period 21.10.2009 to 31.3.2014 was determined by the Hon'ble Commission vide order dated 29.07.2010 in Petition No. 308/2009. The capital cost considered for tariff determination included the projected additional capital expenditure admitted by the Hon'ble Commission after prudence check.
12. Further, the Petitioner would like to mention that the Petitioner vide Petition no. 151/MP/2012 dated 22.06.2012 made a prayer before the Hon'ble Commission for relaxation for one year time extension beyond the cut-off date for additional capitalisation of around Rs. 71 Crore upto 31.03.2013 in respect of tariff of Bhilai Expansion Power Plant (2 X 250 MW).
13. CERC vide order dated 04.07.13 has allowed extension of cut-off date for additional capitalization for a period of one year from 31.03.2012 to 31.03.2013 as prayed for by NSPCL. However, the additional capital expenditure actually incurred would be considered at the time of truing up exercise to be under taken by CERC for the Station in terms of Regulation 6 of the 2009 Regulations.
14. Further Regulation 6 (1) of the Tariff Regulations 2009 provides as follows:

"(1) The Commission shall carry out truing up exercise along with the tariff petition filed for the next tariff period, with respect to the capital expenditure including additional capital expenditure incurred up to 31.3.2014, as admitted by the Commission after prudence check at the time of truing up.

Provided that the generating company or the transmission licensee, as the case may be, may in its discretion make an application before the Commission one more time prior to 2013-14 for revision of tariff."

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15. In accordance with proviso to the above quoted Regulation 6 (1) the petitioner herein that is NSPCL had filed the petition no. D-110/GT/2012 dated 30.11.2012 for carrying out revision and determination of tariff for Bhilai Expansion Power Plant (2 x 250 MW) for the period from 21.10.2009 to 31.3.2014 as per the Tariff Regulations 2009. The capital cost considered in the petition dated 30.11.2012 is based on the admitted capital cost as on 21.10.2009 and the actual capital expenditure incurred during the years 2009-10 (21.10.2009 to 31.03.2010), 2010-11 & 2011-12. The above said Petition No. D-110/GT/2012 is yet to be disposed of by Hon'ble Commission.
16. In accordance with proviso to the above quoted Regulation 6 (1) the petitioner herein that is NSPCL is filing the present petition for carrying out revision and determination of tariff for Bhilai Expansion Power Plant (2 x 250 MW) for the period from 21.10.2009 to 31.3.2014 as per the Tariff Regulations 2009.
17. The capital cost considered in the present petition is based on the admitted capital cost as on 21.10.2009 and the actual capital expenditure incurred during the years 2009-10 (21.10.2009 to 31.03.2010), 2010-11, 2011-12, 2012-13 and 2013-14. Accordingly the revised Form-9 indicating year wise actual capital expenditure incurred is enclosed as part of **Appendix-I** herewith.
18. Further in accordance with the provisions of the Regulation 15 (3), for the purpose of computation of the Return on Equity, the grossing up of the base rate has been done with respect to actual tax rate applicable to NSPCL for the years 2009-10 (from 21.10.2009 to 31.03.2010), 2010-11, 2011-12, 2012-13 and 2013-14.
19. For computation of the Interest on Loan, the weighted average rate of interest has been arrived at based on actual rate of interest and loan drawal as on 31.03.2014.

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20. The tariff calculation based on the above & other applicable provisions, in the formats provided in the **Appendix-I** of the Tariff Regulations 2009, are enclosed herewith.
21. As submitted above, the Petitioner is presently charging tariff for this station based on the Order dated 29.07.2010 in petition no. 308/2009. As can be seen from Appendix-I, the claim of tariff as per this petition varies than that allowed in the CERC order dated 29.07.2010 and since the disposal of this petition may take time, it is prayed that Hon'ble Commission may allow the Petitioner to provisionally charge tariff as per this petition for the period 21.10.2009 - 31.03.2014 till the time this petition is disposed of. After determination of tariff as per this petition the retrospective adjustment may be allowed to be done along with interest at the rates provided in Regulation 6 of Tariff regulations, 2009.
22. The filing fee for the tariff determination has already been paid for the years 2009-10 (from 21.10.2009 to 31.03.2010), 2010-11, 2011-12 as per provisions of CERC (Payment of Fees), Regulation 2008 and for 2012-13, 2013-14 and 2014-15 as per provisions of CERC (Payment of Fees), Regulation 2012.

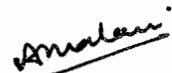
Prayer

In the light of above submissions, the Petitioner, therefore, prays that the Hon'ble Commission may be pleased to:

- i) Allow the petitioner to provisionally charge tariff as per this petition till the time the petition is disposed of.
- ii) Approve the Revised tariff of Bhilai Expansion Power Plant (2 x 250 MW) for the tariff period 21.10.2009 to 31.03.2014.
- iii) Pass any other order as it may deem fit in the circumstances mentioned above.

New Delhi

Dated: 27.06.2014



NSPCL

PETITIONER

ARVIND JHALANI

Addl. General Manager (Commercial)

NTPC SAIL Power Company Private Ltd.

4th Floor, NBCC Tower, 15, Bhikaji Cama Place
New Delhi-110066

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Appendix-I

PART-I

TARIFF FILING FORMS (THERMAL)

BHILAI EXPANSION POWER PROJECT (2 x 250 MW)

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PART-I**Checklist of Forms and other information/ documents for tariff**

Form No.	Title of Tariff Filing Forms (Thermal)	Tick
FORM- 1	Summary Sheet	✓
FORM-1A	Calculation of return on equity	✓
FORM - 2	Plant Characteristics	✓
FORM-3	Normative parameters considered for tariff computations	✓
FORM-4	Details of foreign loans	✓
FORM - 4A	Details of Foreign Equity	✓
FORM-5	Abstract of Admitted Capital Cost for the existing Projects	✓
FORM-5A	Abstract of Capital Cost Estimates and Schedule of Commissioning for the New projects	✓
FORM-5B	Break-up of Capital Cost for Coal/Lignite based projects	✓
FORM-5C	Break-up of Capital Cost for Gas/Liquid fuel based Projects	✓
FORM-5D	Break-up of Construction/Supply/Service packages	✓
FORM-6	Financial package upto COD	✓
FORM-7	Details Of Project Specific Loans	✓
FORM-7A	Details Of Loans drawn	✓
FORM-8	Details of Allocation of corporate loans to various project	✓
FORM-9	Statement of Additional Capitalisation after COD	✓
FORM-9A	Statement of Capital cost	✓
FORM-9B	Statement of Capital Works in Progress	✓
FORM- 10	Financing of Additional Capitalisation	✓
FORM- 11	Calculation of Depreciation Rate	✓
FORM-12	Statement of Depreciation	✓
FORM-13	Calculation of Weighted Average Rate of Interest on Actual Loans	✓
FORM-13A	Calculation of Interest on Normative Loans	✓
FORM-13B	Calculation of Interest on Working Capital	✓
FORM-14	Draw Down Schedule for Calculation of IDC & Financial Charges	✓
FORM-14A	Actual cash expenditure	✓
FORM-15	Details/Information to be Submitted in respect of Fuel for Computation of Energy Charges ¹	✓
FORM-15A	Annexure to Form 15, Details of Fuel Cost for computation of Energy Charges and Secondary Oil cost	✓
FORM - 16	Details/Information to be Submitted in respect of Limestone for Computation of Energy Charges ¹	✓
Additional form No.1	Calculation of GCV & landed price of fuel	✓
Additional form No.2	Computation of Energy Charges	✓
Additional form No.3	Calculation of O & M Expenses	✓
Additional form No.4	Expenses on Secondary Fuel Oil	✓

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Other Information/ Documents		
Sl. No.	Information/Document	Tick
1	Certificate of incorporation, Certificate for Commencement of Business, Memorandum of Association, & Articles of Association (For New Station setup by a company making tariff application for the first time to CERC)	X
2	Stationwise and Corporate audited Balance Sheet and Profit & Loss Accounts with all the Schedules & annexures on COD of the Station for the new station & for the relevant years.	X
3	Copies of relevant loan Agreements	X
4	Copies of the approval of Competent Authority for the Capital Cost and Financial package.	X
5	Copies of the Equity participation agreements and necessary approval for the foreign equity.	X
6	Copies of the BPSA/PPA with the beneficiaries, if any	X
7	Detailed note giving reasons of time and cost over run, if applicable.	X
8	Any other relevant information, (Please specify)	

Note: Electronic copy of the petition (in words format) and detailed calculation as per these formats(in excell format) and any other information submitted shall also be furnished in the form of CD/Floppy disc.

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**PART-I
FORM- 1**

Summary Sheet

Name of the Company

NTPC SAIL POWER COMPANY PRIVATE LIMITED

Name of the Power Station :

BHILAI EXPANSION POWER PROJECT (2X250MW)

Region:

Western Region

State

District

DURG

(Rs. in Lacs)

S.No.	Particulars	Existing 2008-09	2009-10 (w.e.f. 21.10.09)	2010-11	2011-12	2012-13	2013-14
1	2	3	4	5	6	7	8
1.1	Depreciation	Form-12	12049	12554	14318	13925	14104
1.2	Interest on Loan	FORM- 13A	12515	13407	14059	13527	12443
1.3	Return on Equity	Form-1A	12559	13585	14868	15784	19374
1.4	Interest on Working Capital	Form 13B	3200	3281	3395	3424	3516
1.5	O & M Expenses	Add_form_3	8895	9437	10010	10619	11259
1.6	Secondary fuel oil cost	Add_form_4	985	985	988	985	985
1.7	Compensation allowance (if applicable)	NA					
1.8	Special allowance (if applicable)						
	Total		50203	53248	57637	58264	61681
	Energy charge Rate Ex-Bus (Paise/kWh) ^{2A,2B,2C,2D}		133.435	133.435	133.435	133.435	133.435
	COD of Unit -1	22-Apr-09					
	COD of Unit -2	21-Oct-09					

Anil Kumar
PETITIONER

^{2B} The rate of energy charge shall be computed for open cycle operation and combined cycle operation separately in case of gas/liquid fuel fired plants.

^{2C} The total energy charge shall be worked out based on ex-bus energy scheduled to be sent out

^{2D} The Energy charge rate for the month shall be based on fuel cost(s) and GCV(s) for the month as per regulation 21(6)(a)

Note: Annualised Depreciation for the year 09-10 mentioned above

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Calculation of Return on Equity

Name of the Company : NTPC SAIL POWER COMPANY PRIVATE LIMITED
Name of the Power Station : BHILAI EXPANSION POWER PROJECT (2X250MW)

(Rs. in Lakhs)

S.No.	Particulars	2009-10 (21.10.2009 to 31.3.2010)	2010-11	2011-2012	2012-2013	2013-14**
1	2	5	6	7	8	9
1.1. (a)	Opening Capital Cost *	224,012.740	224,341.510	243,503.030	268,029.747	275,030.983
1.1. (b)	Actual/Additional Capitalization *	328.770	18,909.830	23,875.879	6,795.596	-
1.1	Closing Capital Cost	224,341.510	243,251.340	267,378.909	274,825.343	275,030.983
1.2. (b)	Notional IDC Capitalised	-	251.690	650.838	205.640	-
1.2 (c)	Closing Capital Cost for the purpose of Tariff	224,341.510	243,503.030	268,029.747	275,030.983	275,030.983
1.2	Average capital cost for the purpose of tariff	224,177.125	233,922.270	255,766.388	271,530.365	275,030.983
1.3	Notional Equity (30%)	67,253.138	70,176.681	76,729.917	81,459.109	82,509.295
1.4	Return on Equity (%)	18.674%	19.358%	19.377%	19.377%	23.481%
1.5	Return on Equity	12,558.564	13,585.015	14,867.908	15,784.281	19,374.247
1.6	Tax Rate	16.995*	19.931*	20.008*	20.008*	33.990

* For 2009-10 opening capital cost considered as on 21.10.2009 was Rs.224612.67 lakh, which included CWIP of Rs.481.08 lakh as per tariff order. The Actual Capitalization for 2009-10 is for the balance period from 21.10.2009 to 31.03.2010. Further, the amount of Rs. 118.85 lakh towards sale of infirm power (pre-commissioning) has also been adjusted.

** Expenditure Incurred during 2013-14 is not considered since cut off date of project is taken as 31.03.2013

Anil Kumar
PETITIONER

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Plant Characteristics

Name of the Company
Name of the Power Station

NTPC-SAIL POWER COMPANY PRIVATE LIMITED
BHILAI EXPANSION POWER PROJECT (2 x 250 MW)

Unit(s)/Block(s) Parameters	Unit-I	Unit-II
Pressure (Kg/cm ²)	150	150
Temperature °C		
- At Superheater Outlet	540+/-5	540+/-5
- At Rerheater Outlet	540+/-5	540+/-5
Guaranteed Design Heat rate (kCal/kWh)	2450	2450
Conditions on which guaranteed		
% MCR (TMCR)	100%	100%
% Makeup	0%	0%
Design cooling water Temperature	27 deg C DBT	27 deg C DBT
Back Pressure (ata)		
<i>Note : In case guaranteed unit heat rate is not available then furnish the guaranteed turbine cycle heat rate and guaranteed boiler efficiency separately along with condition of guarantee.</i>		
Type of cooling Tower	Induced Draft	Induced Draft
Installed Capacity (IC)	250 MW	250 MW
Date of Commercial Operation (COD)	22.04.2009	21.10.2009
	IDCT (Induced Draft Cooling Tower)	IDCT
Type of cooling system ¹		
Type of Boiler Feed Pump ²	Motor Driven	Motor Driven
Fuel Details ³		
-Primary Fuel	Coal	Coal
-Secondary Fuel	HFO	HFO
-Alternate Fuels	NA	NA
Special Features/Site Specific Features ⁴	RO-DM System, Oxygenated system, 220 KV Cable, DCS based CHP control	
Special Technological Features ⁵	Syphon based make up water intake, radial stacker reclaimers	
Environmental Regulation related features ⁶	ESP, ETP, STP	
Any other special features	NIL	

¹ Closed circuit cooling, once through cooling, sea cooling, natural draft cooling, induced draft cooling etc.

² Motor driven, Steam turbine driven etc.

³ Coal or natural gas or naphtha or lignite etc.

⁴ Any site specific feature such as Merry-Go-Round, Vicinity to sea, Intake /makeup water system etc. scrubbers etc. Specify all such features.

⁵ Any Special Technological feature likme Advanced class FA technology in Gas Turbines, etc.

⁶ Environmental regulation related features like FGD, ESP etc.

Note1: In case of deviation from specified conditions in Regulation, correction curve of manufacturer may also be submitted.

Note2: Heat Balance Diagrams has to be submitted along with above information incase of new stations.

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PETITIONER

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Normative parameters considered for tariff computations

Name of the Company
Name of the Power Station

NTPC SAIL POWER COMPANY PRIVATE LIMITED
BHILAI EXPANSION POWER PROJECT (2 x 250 MW)

Particulars	Unit	Year Ending March					
		As Existing 2008-09	2009-10 (21.10.09 - 31.3.10)	2010-11	2011-12	2012-13	2013-14
(1)		(2)	(3)	4	5	6	7
Guaranteed Design Heat rate	Kcal/Kwhr	NA	2300	2300	2300	2300	2300
Base rate of return on equity	%		15.5	15.5	15.5	15.5	15.5
Tax rate	%		16.995*	19.931*	20.008*	20.008*	33.990
Target availability	%		85	85	85	85	85
Auxiliary Energy Consumption	%		9	9	9	9	9
Gross Station Heat Rate	kCal/kWh		2450	2450	2450	2450	2450
Specific Fuel Oil Consumption	ml/kWh		1	1	1	1	1
Cost of Coal/Lignite for WC ¹	in Months		2	2	2	2	2
Cost of Main Secondary Fuel Oil for WC ¹	in Months		2	2	2	2	2
Fuel Cost for WC ²	in Months		2	2	2	2	2
Liquid Fuel Stock for WC ²	in Months		2	2	2	2	2
O & M Expenses for WC	in Months		1	1	1	1	1
Maintenance Spares for WC	%		20 % of O & M expense	20 % of O & M expense	20 % of O & M expense	20 % of O & M expense	20 % of O & M expense
Receivables for WC	in Months		2	2	2	2	2
Prime lending Rate/Base Rate of SBI as on 01.04.2009 to 30.06.2010)	%		12.25	12.25	12.25	12.25	12.25

* Considered at MAT- As per Income Tax Act 1961 Section 115 JB

¹For Coal based/Lignite based generating stations

²For Gas Turbine/Combined Cycle generating stations duly taking into account the mode of operation on gas fuel and liquid fuel

³ Mention relevant date

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Anil Kumar
PETITIONER

**PART-I
FORM-4**

Details of foreign loans

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

Name of the Company : NTPC SAIL POWER COMPANY PRIVATE LIMITED
 Name of the Power Station : BHILAI EXPANSION PROJECT (2 x 250 MW)
 Exchange Rate at COD : N/A
 Exchange Rate as on 31.03.2009: N/A

Sl.	Financial Year (Starting from COD)	Year 1				Year2				Year 3 and so on				
		1	2	3	4	5	6	7	8	9	10	11	12	13
			Date	Amount (Foreign Currency)	Exchange Rate	Amount (Rs.)	Date	Amount (Foreign Currency)	Exchange Rate	Amount (Rs.)	Date	Amount (Foreign Currency)	Exchange Rate	Amount (Rs.)
	Currency 1													
A.1	At the date of Draw1													
	2 scheduled repayment date of principal													
	3 scheduled repayment date of interest													
	4 At the end of financial year													
B	In case of Hedging3													
	1 At the date of hedging													
	2 Period of hedging													
	3 cost of hedging													
	Currency2													
A.1	At the date of Draw1 2													
	2 scheduled repayment date of principal													
	3 scheduled repayment date of interest													
	4 At the end of financial year													
B	In case of Hedging3													
	1 At the date of hedging													
	2 Period of hedging													
	3 cost of hedging													
	Currency 3 & so on													
A.1	At the date of Draw1 2													
	2 scheduled repayment date of principal													
	3 scheduled repayment date of interest													
	4 At the end of financial year													
B	In case of Hedging3													
	1 At the date of hedging													
	2 Period of hedging													
	3 cost of hedging													

NA

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

Anil Kumar
 PETITIONER

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

NTPC SAIL POWER COMPANY PRIVATE LIMITED

BHILAI EXPANSION PROJECT (2 x 250 MW)

N/A

[illegible]

2 In case of Equity infusion more then once during the year ,Exchange rate at the date of each infusion to be given

Amalain
PETITIONER

17/53

**PART-I
FORM-5**

Abstract of Admitted Capital Cost for the existing Projects

Name of the Company :

NTPC SAIL POWER COMPANY PRIVATE LIMITED

Name of the Power Station :

BHILAI EXPANSION POWER PROJECT (2 x 250 MW)

	Rs In lakhs
Capital cost as admitted by CERC vide order dated 29.07.2010 in Petition No 308/2009 *	244516.75
Liability in Capital Cost as on 21.10.2009	19904.08
Foreign Component, if any (In Million US \$ or the relevant Currency)	NA
Domestic Component (Rs. Cr.)	
Foreign Exchange rate considered for the admitted Capital cost	
Total Capital cost admitted (Rs. Cr)	224612.67
* Includes Rs.118.85 lakh Sale of Infirm Power (Rs.8152 lakh-Rs.8034 lakh) based on provisional energy accounts issued by SLDC Bhilai additionally allowed by CERC vide Petition No. 308/2009 and would be subject to truing up.	

PETITIONER

Anilani

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

Name of the Company : NTPC SAIL POWER COMPANY PRIVATE LIMITED
Name of the Power Station : BHILAI EXPANSION POWER PROJECT (2 x 250 MW)

(Rs crore)

Board of Director/ Agency approving the Capital cost estimates:	NSPCL BOARD OF DIRECTORS	
Date of approval of the Capital cost estimates:	28.09.2007	
Price level of approved estimates	Present Day Cost * As on 3rd Qtr. Of the Year 07-08	Completed Cost ** As on Scheduled COD of the Station
Foreign Exchange rate considered for the Capital cost estimates		
Capital Cost excluding IDC & FC		
Foreign Component, if any (In Million US \$ or the relevant Currency)		
Domestic Component (Rs. Cr.)	2691.42	2176.01
Capital cost excluding IDC, FC, (Rs. Cr)	2691.42	2176.01
IDC , FC, FERV & Hedging Cost		
Foreign Component, if any (In Million US \$ or the relevant Currency)		
Domestic Component (Rs. Cr.)		267.97
Total IDC & FC ,FERV & Hedging cost (Rs.Cr.)	324.12	267.97
Rate of taxes & duties considered		
Capital cost Including IDC , FC,FERV & Hedging Cost	3015.54	2443.98
Foreign Component, if any (In Million US \$ or the relevant Currency)		
Domestic Component (Rs. Cr.)	3015.54	2443.98
Capital cost Including IDC & FC (Rs. Cr)	3015.54	2443.98
Schedule of Commissioning		
COD of Unit -1	22.04.2009	
COD of Unit -2	21.10.2009	

* Estimated Revised Project Cost for 2 x 250 MW Units as on 2nd Qtr. Of 2007-08, based on last Board approval

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.
- 4.** Completed Cost excludes Rs.1.18 Crore Sale of Infirm Power (Rs.81.52 Crore-Rs.80.34 Crore) based on provisional energy accounts issued by SLDC Bhilai additionally allowed by CERC vide Petition No. 308/2009 and would be subject to truing up.

PETITIONER

Amalan

BREAK-UP OF CAPITAL COST FOR COAL/LIGNITE BASED PROJECTS

F

Name of the Company: NTPC-SAIL POWER CO.PVT.LTD.
Name of the Power Station: BHILAI EXPANSION POWER PROJECT (2 x 250 MW)

S.No	Break Down	Cost in Rs.Crores		Variation (Rs Crores)	Reasons For Variation	Admitted (Rs Crores)
		As per Original Estimate	As on COD			
(1)	(2)	(3)	(4)	(5)	(6)	(7)
1.0	Main plant Package- BHEL	1672.77	1479.54	193.23	Supply/ erection of STP/ETP, CPU, Hydrogen Plant and mandatory spares etc. to be completed	
2.0	Switchyard-L&T	93.93	78.89	15.04	Supply, erection of ICT-II pending	
3.0	ATS- POWER GRID	58.5	47.42	11.08	Line length reduced	
4.0	Coal Handling Plant- TRF	155.42	146.41	9.01	Commissioning of Stacker Reclaimer during '10-11	
5.0	MGR-RITES including signalling and OHE	54.7	37.54	17.16	Commissioning of Signalling system, OHE, Yard lighting, weigh bridge, MGR roads & Drains etc are yet to be completed	
6.0	LOCO-DLW	7.46	8.75	(1.29)	Duties & Taxes extra	
7.0	Make up water- KOYA	33.91	35.69	(1.78)	Due to insertion of pipeline under rail track	
8.0	Ash Dyke-Subhash Chandra	20.89	12.84	8.05	Lagoon - II to be completed	
9.0	Land	104.29	87.09	17.20	Some part of land yet to be taken for the project	
10.0	Industrial Water Supply	132.35	110.00	22.35	Reduction in water requirement	
11.0	Township	57.72		57.72	Work under progress	
12.0	Other Package	38.12	21.83	16.29	Approach road to ash silo, tools & plants & spares pending	
	Direct Capital Outlay	2430.06	2066.00	364.06		
13.0	Total Construction & Pre-Comm. Expenses	99.07	(10.84)	109.91	Sale of infirm power	
14.0	Overheads					
14.1	Establishment	93.21	99.80	(6.59)	Due to pay revision of employees & CISF	
14.2	Design & Engineering	24.94	21.05	3.89	Change in scope of work	
14.3	Audit & Accounts					
14.4	Contingency					
	Total Overheads	118.15	120.85	(2.70)		
15.0	Capital Cost excluding IDC & FC	2647.28	2176.01	471.27		
15.1	Interest During Construction(IDC) & Finance Charges(FC)	324.12	267.97	56.15	Due to overall reduction in project cost and interest rate	
15.2	Margin Money for Working Capital	44.14	0	44.14	Not considered for CERC tariff purposes	
16.0	Capital Cost including IDC & FC	3015.54	2443.98	571.56		

1.** Completed Cost excludes Rs.1.18 Crore Sale of Infirm Power (Rs.81.52 Crore-Rs.80.34 Crore) based on provisional energy accounts issued by SLDC Bhilai additionally allow CERC vide Petition No. 308/2009 and would be subject to truing up.

Anil Kumar
PETITIONER

20/53

Break-up of Capital Cost for Gas/Liquid fuel based Projects

Name of the Company :

NTPC SAIL POWER COMPANY PRIVATE LIMITED

Name of the Power Station :

BHILAI EXPANSION POWER PROJECT (2 x 250 MW)

Sl.No.	Break Down	Cost in Rs. Crores As per original Estimates	As on COD	Variation(Rs. Cr.)	Rs. Reasons Variation	for	Admitted Cost (Rs. Cr.)
(1)	(2)	(3)	(4)	(5)	(6)		(7)
1.0	Cost of Land & Site Development						
1.1	Land						
1.2	Rehabilitation & Resettlement (R&R)						
1.3	Preliminary Investigation & Site development						
	Total Land & Site Development						
2.0	Plant & Equipment						
2.1	Steam Turbine generator Island						
2.2	Turbine Generator Island						
2.3	WHRB Island						
2.4	BOP Mechanical						
2.4.1	Fuel Handling & Storage system						
2.4.2	External water supply system						
2.4.3	CW system						
2.4.4	Cooling Towers						
2.4.5	DM water Plant						
2.4.6	Clarification plant						
2.4.7	Chlorination Plant						
2.4.8	Air condition & Ventilation System						
2.4.9	Fire Fighting system						
2.4.10	HP/LP Piping						
	Total BOP Mechanical						
2.5	BOP Electrical						
2.5.1	Switch Yard Package						
2.5.2	Transformers package						
2.5.3	Switch gear Package						
2.5.4	Cable , Cable Facilities & grounding						
2.5.5	Lighting						
2.5.6	Emergency D.G. set						
	Total BOP Electrical						
2.6	C & I Package						
	Total Plant & Equipment excluding taxes & Duties						
2.7	Taxes and Duties						
2.7.1	Custom Duty						
2.7.2	Other Taxes & Duties						
	Total Taxes & Duties						
	Total Plant & Equipment						
3.0	Initial spares						
4.0	Civil Works						
4.1	Main plant/Adm. Building						
4.2	External water supply system						
4.3	CW system						
4.4	Cooling Towers						
4.5	DM water Plant						
4.6	Clarification plant						
4.7	Fuel Handling & Storage system						
4.8	Township & Colony						
4.9	Temp. construction & enabling works						
4.10	Road & Drainage						
4.11	Fire Fighting system						
	Total Civil works						
5.0	Construction & Pre- Commissioning Expences						
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 Expences						
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						
7.1	Interest During Construction (IDC)						
7.2	Financing Charges (FC)						
8.0	Capital cost including IDC & FC						

NOT APPLICABLE

Note:

1. In case of time & Cost over run, a detailed note giving reasons of such time and cost over run should be submitted clearly bring out the agency responsible and whether such time & cost over run was beyond the control of the generating company.

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PETITIONER

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**PART-I
FORM-5D**

Break-up of Construction/Supply/Service packages

Name of the Company :

NTPC SAIL POWER COMPANY PRIVATE LIMITED

Name of the Power Station :

BHILAI EXPANSION POWER PROJECT (2 x 250 MW
station)

		1	2	3	4	5	6	--
1	Name/No. of Construction / Supply / Service Package	Not Applicable						
2	Scope of works ¹ (in line with head of cost break-ups as 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							
8	Value of Award ² in (Rs. Cr.)							
9	Firm or With Escalation in prices							
10	Actual capitalexpenditure till the completion or up to COD whichever is earlier(Rs.Cr.)							
11	Taxes & Duties and IEDC							
12	IDC, FC, FERV & Hedging cost							
13	Sub -total (10+11+12)							

1 The scope of work in any package should be indicated in conformity of Capital cost break-up for the coal/lignite based plants in the FORM-

2 If there is any package, which need to be shown in Indian Rupee and foreign currency(ies), the same should be shown *separatly alongwith the*

Amalan
(PETITIONER)

Financial package upto COD ¹

Name of the Company
Name of the Power Station

NTPC SAIL POWER COMPANY PRIVATE LIMITED
BHILAI EXPANSION POWER PROJECT (2 x 250 MW)

Project Cost as on COD
Date of Commercial Operation of the Station²
Debt : Equity Ratio

224,012.74 in Rs Lacs
21-Oct-09
70:30

(Amount in Rs Lacs)

	Financial Package as approved *		Financial Package as on 21 October 2009		As Admitted on COD	
	Currency and Amount ³		Currency and Amount ³		Currency and Amount ³	
1	2	3	4	5	6	7
Loans-						
Central Bank Of India	INR	10,000.00	INR	10,000.00	INR	10000
Union Bank Of India	INR	44,500.00	INR	44,500.00	INR	44500
Rural Electrification Corporation Ltd.(REC)	INR	128,500.00	INR	118,500.00	INR	118500
Loan II-Union Bank of India	INR	11,000.00	INR	11,000.00	INR	11000
Total loan		194,000.00		184,000.00		184000
Equity-						
Foreign		NIL		NIL		NIL
Domestic	INR	90466	INR	80,000.00	INR	80000
Total Equity		90466		80,000.00		80000
Debt Equity ratio *		70:30				

*The proposed debt equity ratio for the project is 70 :30 . While equity of the project on estimate basis has been completely tied up, balance loan shall be tied up shortly for the additional capitalisation.

² Date of Commercial operation means Commercial Operation of Last unit

³ For Example : US\$,200M etc

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23/53

Details Of Project Specific Loans

Name of the Company
Name of the Power StationNTPC SAIL POWER COMPANY PRIVATE LIMITED
BHILAI EXPANSION POWER PROJECT (2 x 250 MW)

(Amount in Rs Lacs)

Source of Loan	Union Bank of India	Central Bank of India	REC	Union Bank of India Loan
Currency ¹	INR	INR	INR	INR
Amount of Loan Sanctioned	44500	10000	128500	11000
Amount of Gross loan drawn till date	44500	10000	128500	11000
Interest Type	FIXED WITH RESET AFTER EVERY 5 YEAR	FIXED WITH RESET AFTER EVERY 5 YEAR	FIXED	Floating
Fixed Interest Rate, If applicable	7.02% (upto 30.03.2010) 9.43% (w.e.f. 31.03.2010)	7.02% (upto 12.03.2011) 10.07 % (w.e.f. 13.03.2011)	8% on 21500 lacs 9% on balance loan	NA
Base Rate, If Floating Interest	N/A	N/A	N/A	presently 10.25 % **
Margin, if floating Interest	No	No	No	(+)1%
Are there any Caps/Floor	N/A	N/A	N/A	NA
Moratorium Period	4 years	12 mths	*	1 year
Moratorium effective from	Date of 1st disbursement	Date Of Commercial operation ^	*	Date of 1st disbursement
Repayment Period	44 quarterly installments	44 quarterly installments	10 annual instalments	40 quarterly installments
Repayment effective from	1-Jul-09	1-Jan-11	15-Mar-10	1-Oct-10
Repayment Frequency	Quarterly	Quarterly	Annually	Quarterly
Last 1 (one) repayment Installment	1,011.36	227.00		
Last Installment	1,011.37	239.00	13,278.57	275.00
Base Exchange Rate	N/A	N/A	N/A	N/A

¹ Fixed for first five years from the date of first drawal and to be reset thereafter , after every 5 years at 200 bps above 5-year G-sec paper prevailing then

*Moratorium period ending at the earlier of

(i) four year from the date of first disbursement or

(ii) six months from the date of commissioning of the project

Details for the total project given in this form i.e. both the units, as project funding is on total project basis and not unit wise

Date of drawal of each loan till date given in Annexure 7(a)

** Upto 06.03.2012, the rate of interest was BPLR-0.75%. The present rate of Base Rate+1% is wef 07.03.2012

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 31.03.2009 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 given⁵ 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 drawl⁸ Margin means the points over and above the floating rate.⁹ At times caps/floor are put at which the floating rates are frozen. If such a condition exists, specify the limits.¹⁰ Moratorium period refers to the period during which loan servicing liability is not required.¹¹ Repayment period means the repayment of loan such as 7 years, 10 years, 25 years etc.¹² Repayment frequency means the interval at which the debt servicing is to be done such as monthly, quarterly, half yearly, annual, etc.¹³ Where there is more than one drawal/repayment for a loan, the date & amount of each drawal/repayment may also be given separately¹⁴ 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 drawal & repayment alongwith exchange rate at that date may be given.¹⁶ Base exchange rate means the exchange rate prevailing as on 31.03.2009 for existing assets and as on COD for the remaining assets.¹⁷ In case of Hedging, specify 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 date (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 refinancing, financing and other charges incurred for refinancing etc.Amalan
PETITIONER

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Details of loan drawn

Part-I
Annexure-7(a)

Name of the Company
Name of the Power Station

NTPC SAIL POWER COMPANY PRIVATE LIMITED
BHILAI EXPANSION POWER PROJECT (2 x 250 MW)

(Amount in Rs Lacs)

Drawal upto 21 October 2009	Union Bank of India	Central Bank of India	REC	Union Bank of India Loan II
Loan amt sanctioned	44500	10000	128500	11000
Loan drawal dates:				
31-Mar-05	4000		10000	
22-Jul-05	3000			
5-Dec-05	1000			
12-Jan-06			1600	
23-Jan-06	1500			
13-Mar-06		1500		
23-Mar-06			1500	
30-Mar-06	1500			
1-Jun-06	1500			
2-Jun-06			1500	
29-Jun-06			2900	
20-Jul-06			4000	
14-Sep-06	1900			
26-Sep-06	5000			
17-Oct-06	5000			
11-Dec-06	5600			
27-Dec-06	4400			
30-Mar-07	6000			
22-Aug-07	4100			
10-Sep-07		4500		
14-Sep-07		4000		
28-Sep-07			20000	
20-Dec-07			20000	
28-Feb-08			10000	
27-Mar-08			7500	
20-Jun-08			6500	
1-Sep-08			10000	
4-Sep-08			5000	
5-Sep-08			5000	
31-Dec-08			13000	
29-Sep-09				11000
31-Mar-12			7000	
27-Aug-12			3000	
Total drawal till date	44500	10000	128500	11000

PETITIONER

Amalavi

25/53

Details of Allocation of corporate loans to various projects

Name of the Company
Name of the Power StationNTPC SAIL POWER COMPANY PRIVATE LIMITED
BHILAI EXPANSION POWER PROJECT (2 x 250 MW)

(Amount in lacs)						
Particulars	Package 1	Package 2	Package 3	Package 4	Package 5	Remarks
1	2	3	4	5	6	7
Source of Loan 1	NA					
Currency 2						
Amount of Loan sanctioned						
Amount of Gross Loan drawn upto 31.03.2009/ COD 3,4,5,13,15						
Interest Type 6						
Fixed Interest Rate, if applicable						
Base Rate, if Floating Interest 7						
Margin, if Floating Interest 8						
Are there any Caps/Floor 9						
If above is yes,specify caps/floor						
Moratorium Period 10						
Moratorium effective from						
Repayment Period 11						
Repayment effective from						
Repayment Frequency 12						
Repayment Installment 13,14						
Base Exchange Rate 16						
Are foreign currency loan hedged?						
If above is yes, specify details 17						
Name of the Projects						
Project 1						
Project 2						
Project 3 and so on						

¹ Source of loan means the agency from whom the loan has been taken such as WB, ADB, WMB, PNB, SBI, ICICI, IFC, PFC etc.² Currency refers to currency of loan such as US\$, DM, Yen, Indian Rupee etc.³ Details are to be submitted as on 31.03.2009 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 drawal/repayment for a loan, the date & amount of each drawal/repayment may also be given separately¹⁴ If the repayment installment 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 drawal & repayment alongwith exchange rate at that date may be given.¹⁶ Base exchange rate means the exchange rate prevailing as on 31.03.2009 for existing assets and as on COD for the remaining assets.¹⁷ In case of Hedging, specify 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 date (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.Amalan
PETITIONER

26/53

Name of the Company
Name of the Power StationNTPC-SAIL POWER COMPANY PRIVATE LIMITED
BHILAI EXPANSION POWER PROJECT (2 x 250 MW)

Rs in lacs

Sl. No.	Head of Work	Actual Cash Expenditure					Regulation under which claimed - 9(1) (i), (ii), (iii), (iv) & (v)	Justification
		2009-10 (from 21 Oct '09 to 31 Mar '09)	2010-11	2011-12	2012-13 *	2013-14		
1	Main plant Package- BHEL	326.090	11,695.04	17,246.77	744.81	-	9 (1) (i) (ii) (iii)	Against work deferred for Execution and capitalization of initial spares
2	Switchyard-L&T	-	2,174.12	55.26	15.27	0.65		
3	ATS- POWER GRID	2.680	-	32.55	-	-		
4	Coal Handling Plant- TRF	-	2,746.48	1,939.52	787.41	14.48		
5	MGR-RITES	-	488.41	133.33	102.50	-		
6	LOCO-DLW	-	-	-	-	-		Ash related works after cut-off date
7	Make up water- KOYA	-	983.60	-	19.79	-		
8	Ash Dyke-Subhash Chandra	-	-	-	30.26	-	9 (1) (i) (ii)	
9	Land	-	-	207.72	-	-	9 (1) (i) (ii)	
10	Industrial water	-	-	-	-	-		
11	Township	-	-	3,359.34	3,930.27	478.13	9 (1) (i) (ii)	Against work deferred for Execution
12	Other Packages	-	822.18	901.38	1,165.28	238.73	9 (1) (i) (ii)	Against work deferred for Execution
13	Total Direct Capital Outlay	328.770	18,909.83	23,875.88	6,795.60	731.99		
14	IDC	-	251.69	650.84	205.64	0.18		
	Grand Total	328.770	19,161.52	24,526.72	7,001.24	732.17		

* Cut-Off date extended till 31.03.2013 vide tariff petition No.151/MP/2012 Order dated 04.07.2013

Amalau
PETITIONER

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STATEMENT OF CAPITAL COST					
Name of the Company:- NTPC SAIL POWER CO. PRIVATE LTD.					PART-1
Name of the Power station :- BHILAI EXPANSION POWER PROJECT (2 X250 MW)					FORM-9A
Rs. In Lakhs					
	22.10.09 to 31.03.10	F.Y. 2010-11	F.Y. 2011-12	F.Y. 2012-13	F.Y. 2013-14
A a) Opening Gross Block as per Books	232916.82	233279.80	243154.10	259596.83	265534.27
b) Amount of Capital Liabilities in A(a) above	19904.08	19938.30	10653.89	2569.95	1506.16
c) Amount of IDC in A (a) above	26779.13	26779.13	27030.83	27681.67	27887.31
d) Amount of IEDC in A (a) above	9949.55	9949.55	9949.55	10510.18	10932.83
B a) Addition in Gross Block During the Year	362.98	9874.30	16442.73	5937.44	507.15
b) Amount of Capital Liabilities in B(a) above	34.22	338.19	1374.22	247.42	29.69
c) Amount of IDC in B (a) above	-	251.70	650.84	205.64	0.18
d) Amount of IEDC in B (a) above	-	-	560.63	422.65	0.06
C a) Closing Gross Block amount as per Books	233279.80	243154.10	259596.83	265534.27	266041.42
b) Amount of Capital Liabilities in C(a) above	19938.30	10653.89	2569.95	1506.16	1281.14
c) Amount of IDC in C (a) above	26779.13	27030.83	27681.67	27887.31	27887.49
d) Amount of IEDC in C (a) above	9949.55	9949.55	10510.18	10932.83	10932.89
Note: As per books of account, Rs.110 crore of advance towards building of Mohad Reservoir for availability of industrial water was not considered as a part of gross block.					

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PETITIONER

STATEMENT OF CAPITAL COST						
Name of the Company		:- NTPC SAIL POWER CO. PRIVATE LTD.				PART-1 FORM-9B
Name of the Power station		:- BHILAI EXPANSION POWER PROJECT (2 X250 MW)				Rs. In Lakhs
		22.10.09 to 31.03.10	F.Y. 2010- 11	F.Y. 2011- 12	F.Y. 2012- 13	F. Y. 2013-14
A	a) Opening CWIP as per Books	481.08	6555.12	7548.88	1648.35	333.45
	b) Amount of Capital Liabilities in A(a) above	109.86	1149.06	1275.12	120.51	51.15
	c) Amount of IDC in A (a) above	17.87	100.33	237.57	94.98	7.52
	d) Amount of IEDC in A (a) above	30.45	87.65	316.27	166.81	10.11
B	a) Addition/Adjustment CWIP During the Year	6094.90	8434.33	4919.00	3174.97	277.20
	b) Amount of Capital Liabilities in B(a) above	1039.2	464.25	219.61	178.06	38.56
	c) Amount of IDC in B (a) above	82.46	388.94	508.25	118.18	0.00
	d) Amount of IEDC in B (a) above	57.20	228.62	411.17	265.95	0.00
C	a) Capitalisation/Transfer to Fixed Assets of CWIP Amt During The Year	20.86	7440.57	10819.53	4489.87	231.04
	b) Amount of Capital Liabilities in Above	-	338.19	1374.22	247.42	29.69
	c) Amount of IDC in C (a) above	-	251.70	650.84	205.64	0.18
	d) Amount of IEDC in C (a) above	-	0.00	560.63	422.65	0.06
D	a) Closing CWIP amount as per Books	6555.12	7548.88	1648.35	333.45	379.61
	b) Amount of Capital Liabilities in D(a) above	1149.06	1275.12	120.51	51.15	60.02
	c) Amount of IDC in D (a) above	100.33	237.57	94.98	7.52	7.34
	d) Amount of IEDC in D (a) above	87.65	316.27	166.81	10.11	10.05
Note 2009-10- Out of IDC amount of Rs. 82.46 lakh, Rs. 82.20 lakh incurred during the period 21.10.2009 to 31.03.2010 is accounted for during the F.Y. 2011-12						
Note 2010-11 Out of IDC amount of Rs. 388.94 lakh, Rs. 287.12 lakh incurred during the period 01.04.2010 to 31.03.2011 is accounted for during the F.Y. 2011-12						

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PETITIONER

Financing of Additional Capitalisation

Name of the Company

NTPC SAIL POWER COMPANY PRIVATE LIMITED

Name of the Power Station

BHILAI EXPANSION POWER PROJECT (2 x 250 MW)

Date of Commercial Operation of the Station

21-Oct-09

(Amount in lacs)

Financial Year (Starting from COD)	Actual					Admitted				
	Year1	Year2	Year3	Year4	Year 5 & So on	Year1	Year2	Year3	Year4	Year 5 & So on
1	2	3	4	5	6	7	8	9	10	11
	09-10	10-11	11-12	12-13	13-14					
Amount capitalised in Work/Equipment	328.77	19,161.52	24,526.72	7,001.24	732.17					
Financing Details										
Loan-1										
Loan-2										
Loan-3 and so on	328.77	19,161.52	24,526.72	4,001.24	732.17					
Total Loan ²	328.77	19,161.52	24,526.72	4,001.24	732.17					
Equity				3,000.00						
Internal Resources										
Others										
Total										

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.*Amalan*

PETITIONER

DETAILS OF DEPRECIATION CALCULATION AS ON 31.03.2010

Name of the Company
Name of the Power StationNTPC SAIL POWER COMPANY PRIVATE LIMITED
BHILAI EXPANSION POWER PROJECT (2 x 250 MW)

DETAILS OF ASSETS CAPITALISED IN EXPANSION PROJECT

(Amount in ` Lacs)

Sl. No.	Description	Amount	Dep Rate	Dep Amount
1	Leasehold Land-Plant/Office	6,947.60	3.34%	232.1
2	Leasehold Land-Town Ship	1,761.26	3.34%	58.8
3	Permanent Roads-Plant Area	1,082.47	3.34%	36.2
4	Bridges & Culverts Plant Area	11.46	3.34%	0.4
5	Main Plant Buildings	5,480.71	3.34%	183.0
6	Off Site Buildings	1,434.13	3.34%	47.9
7	Service Buildings Including MGR Workshop Buildings	1,551.74	3.34%	51.8
8	Miscellaneous Steel Structures Including civil works	10,801.95	5.28%	570.3
9	Building Temporary Construction	260.36	100.00%	260.3
10	Internal Electrification works - Main Plant	851.97	6.33%	53.9
11	Internal Electrification works - Offsite	50.36	6.33%	3.1
12	Internal Electrification works Service Building including MGR Workshop	200.79	6.33%	12.7
13	I/E Of Temporary Construction - Building Temporary Constructions	22.53	18.00%	4.0
14	Boundary Wall	898.88	3.34%	30.0
15	Temporary Fencing-Plant	18.10	100.00%	18.1
16	Temporary Fencing-Township	4.57	100.00%	4.5
17	Temporary Construction Water Supply	15.50	100.00%	15.5
18	Sewerage & Effluent Disposal - Plant Area	503.53	3.34%	16.8
19	MGR Track & Signalling System	4,924.47	5.28%	260.0
20	Steam Generator	61,154.60	5.28%	3,228.9
21	Turbine Generator - Including EOT Cranes	40,497.05	5.28%	2,138.2
22	Coal Handling System	15,038.63	5.28%	794.0
23	Fuel Oil Handling System	769.64	5.28%	40.6
24	Ash Handling System	7,230.06	5.28%	381.7
25	Cooling Water System Including Cooling Towers	16,431.92	5.28%	867.6
26	Control And Instrumentation Equipments	10,520.80	5.28%	555.5
27	Service And General Station Equipments	3,829.49	5.28%	202.2
28	Electrical And Auxilliary Equipments	11,359.82	5.28%	599.8
29	Chimney	4,188.52	5.28%	221.1
30	Water Treatment Plant	2,355.81	5.28%	124.3
31	Power Station Switchyard	5,017.42	5.28%	264.9
32	Main Electrical Equipments	4,566.44	5.28%	241.1
33	Mechanical & Auxilliary Equipments	134.17	5.28%	7.0
34	Compressed Air System	1,119.82	5.28%	59.1
35	MGR Locos & Shunting Locos	877.80	5.28%	46.3
36	Fire Fighting Engines & Tenders	80.24	5.28%	4.2
37	Stores Equipments (Material Handling)	93.38	5.28%	4.9
38	Workshop Equipments	344.04	5.28%	18.1
39	Laboratory Equipments	371.73	5.28%	19.6
40	Towers	5,598.96	5.28%	295.6
41	400/220/132 Kv Switchyards	3,747.00	5.28%	197.8
42	Earthmoving Equipments	236.83	9.50%	22.5
43	Cranes	11.74	9.50%	1.1
44	Construction Power Supply System - Plant	300.36	100.00%	300.3
45	Other Electrical Installations	25.88	5.28%	1.3
46	Permanent Power Supply System - Plant	3.14	5.28%	0.1

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31/53

DETAILS OF DEPRECIATION CALCULATION AS ON 31.03.2010

Name of the Company
Name of the Power Station

NTPC SAIL POWER COMPANY PRIVATE LIMIT
BHILAI EXPANSION POWER PROJECT (2 x 250 M

DETAILS OF ASSETS CAPITALISED IN EXPANSION PROJECT

(Amount in ` Lacs)

Sl. No.	Description	Amount	Dep Rate	Dep Amou
47	Buses & Trucks -Plant/Office	18.62	9.50%	1
48	Motor Cycles, Scooters-Plant/Office	2.51	9.50%	0.
49	Cycles-Plant/Office	0.08	5.28%	0.
50	Furniture-Township	10.15	6.33%	0.
51	Furniture-Canteen	1.32	6.33%	0.
52	Furniture-Office & Others	181.31	6.33%	11.
53	Fixture-Fans-Plant/Office	1.61	6.33%	0.
54	Personal Computer With Acessories	77.16	15.00%	11.
55	Other EDP Machines	70.26	15.00%	10.
56	Typewriters, Calculators & Other Office Appliances	7.09	6.33%	0.
57	Refrigerators,Aircoolers,Watercoolers & Air Conditioners	31.95	6.33%	2.
58	Printroom Machines	15.42	15.00%	2.
59	Hospital Equipments	0.19	5.28%	0.
60	Other Township Equipments	0.43	6.33%	0.
61	Guest House,Transit Hostel Equipments & Appliances	0.26	6.33%	0.
62	Canteen Equipments	0.05	6.33%	0.
63	Interior Communication Equipments -Township	0.22	6.33%	0.
64	Interior Communication Equipments - Plant Office	50.28	6.33%	3.1
65	Capital Expenditure On Assets Not Owned By The Company	53.53	3.34%	1.7
66	Intangible Asset	29.70	15.00%	4.4
67	Mohad Reservoir - Industrial water	11,000.00	5.27%	580.0
		244,279.81		13,129.31

5.375%

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PETITIONER

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DETAILS OF DEPRECIATION CALCULATION AS ON 31.03.2011

Name of the Company
Name of the Power StationNTPC SAIL POWER COMPANY PRIVATE LIM
BHILAI EXPANSION POWER PROJECT (2 x 250

DETAILS OF ASSETS CAPITALISED IN EXPANSION PROJECT

(Amount in ` Lacs)

Sl. No.	Ac-code	Description	Amount	Dep Rate	Dep Am
1	510101	Leasehold Land-Plant/Office	6,947.60	3.34%	23
2	510102	Leasehold Land-Town Ship	1,761.26	3.34%	5
3	510701	Permanent Roads-Plant Area	1,239.23	3.34%	4
4	510711	Bridges & Culverts Plant Area	11.46	3.34%	
5	510901	Main Plant Buildings	5,591.60	3.34%	18
6	510902	Off Site Buildings	1,455.78	3.34%	4
7	510903	Service Buildings Including MGR Workshop Buildings	1,814.99	3.34%	6
8	510909	Miscellaneous Steel Structures Including civil works	10,801.95	5.28%	57
9	510942	Building Temporary Construction	266.19	100.00%	26
10	510951	Internal Electrification works - Main Plant	851.97	6.33%	5
11	510952	Internal Electrification works - Offsite	50.36	6.33%	
12	510953	Internal Electrification works Service Building including MGR Worksho	211.27	6.33%	1
13	510992	I/E Of Temporary Construction - Building Temporary Constructions	22.53	18.00%	
14	511045	Boundary Wall	955.05	3.34%	31
15	511103	Temporary Fencing-Plant	19.95	100.00%	19
16	511104	Temporary Fencing-Township	4.57	100.00%	4
17	511210	Temporary Construction Water Supply	15.50	100.00%	15
18	511302	Sewerage & Effluent Disposal - Plant Area	547.69	3.34%	18
19	511501	MGR Track & Signalling System	5,457.02	5.28%	288
20	512101	Steam Generator	61,045.17	5.28%	3,223
21	512102	Turbine Generator - Including EOT Cranes	41,431.49	5.28%	2,187
22	512104	Coal Handling System	17,849.84	5.28%	942
23	512105	Fuel Oil Handling System	848.17	5.28%	44
24	512106	Ash Handling System	7,576.79	5.28%	400
25	512107	Cooling Water System Inculding Cooling Towers	16,685.21	5.28%	880
26	512108	Control And Instrumentation Equipments	10,723.11	5.28%	566
27	512109	Service And General Station Equipments	3,961.58	5.28%	209
28	512110	Electrical And Auxilliary Equipments	12,410.69	5.28%	655
29	512111	Chimney	4,195.85	5.28%	221
30	512112	Water Treatment Plant	2,364.31	5.28%	124
31	512113	Power Station Switchyard	6,343.24	5.28%	334
32	512114	Main Electrical Equipments	4,592.70	5.28%	242
33	512116	Mechanical & Auxilliary Equipments	356.09	5.28%	18
34	512118	Compressed Air System	1,204.66	5.28%	63
35	512121	MGR Locos & Shunting Locos	878.84	5.28%	46
36	512124	Fire Fighting Engines & Tenders	80.24	5.28%	4
37	512126	Stores Equipments (Material Handling)	93.65	5.28%	4
38	512127	Workshop Equipments	358.58	5.28%	18
39	512128	Laboratory Equipments	668.63	5.28%	35
40	512151	Towers	5,598.96	5.28%	295
41	512158	400/220/132 Kv Switchyards	3,793.28	5.28%	200
42	512201	Earthmoving Equipments	389.58	9.50%	37
43	512207	Cranes	11.74	9.50%	1
44	512301	Construction Power Supply System - Plant	300.36	100.00%	300
45	512309	Other Electrical Installations	25.88	5.28%	1
46	512310	Permanent Power Supply System - Plant	3.14	5.28%	0
47	512501	Buses & Trucks -Plant/Office	18.62	9.50%	1
48	512507	Motor Cycles, Scooters-Plant/Office	2.51	9.50%	0
49	512510	Cycles-Plant/Office	0.08	5.28%	0
50	513001	Furniture-Township	10.64	6.33%	0
51	513002	Furniture-Canteen	1.32	6.33%	0

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DETAILS OF DEPRECIATION CALCULATION AS ON 31.03.2011

Name of the Company
Name of the Power StationNTPC SAIL POWER COMPANY PRIVATE LIMITED
BHILAI EXPANSION POWER PROJECT (2 x 250 MW)

DETAILS OF ASSETS CAPITALISED IN EXPANSION PROJECT

(Amount in ` Lacs)

Sl. No.	Ac-code	Description	Amount	Dep Rate	Dep Amt
52	513003	Furniture-Office & Others	196.15	6.33%	12.41
53	513012	Fixture-Fans-Plant/Office	1.61	6.33%	0.10
54	513103	Personal Computer With Accessories	77.93	15.00%	11.69
55	513110	Other EDP Machines	70.26	15.00%	10.54
56	513202	Typewriters, Calculators & Other Office Appliances	8.28	6.33%	0.52
57	513204	Refrigerators,Aircoolers,Watercoolers & Air Conditioners	33.35	6.33%	2.11
58	513205	Printroom Machines	15.42	15.00%	2.31
59	513206	Hospital Equipments	0.19	5.28%	0.01
60	513208	Other Township Equipments	0.43	6.33%	0.03
61	513210	Guest House,Transit Hostel Equipments & Appliances	0.26	6.33%	0.02
62	513211	Canteen Equipments	1.31	6.33%	0.08
63	513212	Interior Communication Equipments -Township	0.22	6.33%	0.01
64	513213	Interior Communication Equipments - Plant Office	142.05	6.33%	9.00
65	513601	Capital Expenditure On Assets Not Owned By The Company	726.00	3.34%	24.25
66	516201	Intangible Asset	29.70	15.00%	4.46
67		Mohad Reservoir - Industrial water	11,000.00	5.27%	580.00
			254,154.08		13,640.00

5.367

243,154.08

PETITIONER

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DETAILS OF DEPRECIATION CALCULATION AS ON 31.03.2012

Name of the Company
Name of the Power Station

NTPC SAIL POWER COMPANY PRIVATE LIMITED
BHILAI EXPANSION POWER PROJECT (2 x 250 MW)

DETAILS OF ASSETS CAPITALISED IN EXPANSION PROJECT

(Amount in Rs. Lacs)

Sl. No.	Description	Amount	Dep Rate	Dep Amount
1	Leasehold Land-Plant/Office	7113.20	3.34%	237.58
2	Leasehold Land-Town Ship	1803.38	3.34%	60.23
3	Permanent Roads-Plant Area	1527.39	3.34%	51.01
4	Permanent Roads-Township	157.09	3.34%	5.25
5	Bridges & Culverts Plant Area	11.46	3.34%	0.38
6	Main Plant Buildings	5605.42	3.34%	187.22
7	Off Site Buildings	1568.41	3.34%	52.38
8	Service Buildings including MGR Workshop Buildings	1996.32	3.34%	66.68
9	Miscellaneous Steel Structures including Civil Works	10845.70	5.28%	572.65
10	Building Temporary Construction- Axilliary Building	266.22	100.00%	266.22
11	I/E Of Main Plant Building	851.97	6.33%	53.93
12	I/E Of Off Site Building	51.45	6.33%	3.26
13	I/E Of Service Building Incl.MGR Workshop	214.37	6.33%	13.57
14	I/E Of Temporary Construction-Auxi Building	22.53	18.00%	4.06
15	Administrative Building-Freehold	698.98	3.34%	23.35
16	Residential Buildings Township	2297.69	3.34%	76.74
17	Service Buildings - Township	498.71	3.34%	16.66
18	Buildings Temporary Construction Office Stores area	1.46	18.00%	0.26
19	Boundary Wall	1020.76	3.34%	34.09
20	I/E Of Admn.Building(Free Hold)	91.08	6.33%	5.77
21	I/E Of Resid. Building Township	157.47	6.33%	9.97
22	I/E Of Serv. Building Township	41.11	6.33%	2.60
23	Temporary Fencing-Plant	19.71	100.00%	19.71
24	Temporary Fencing-Township	4.57	100.00%	4.57
25	Sewerage & Effluent Disposal Sys -Plant	765.72	100.00%	765.72
26	Temporary Construction Water Supply and Drains - PI	15.50	100.00%	15.50
27	Water Supply & Drains-Plant Area	1.43	5.28%	0.08
28	Sewerage & Effluent Disposal-Plant Area	855.12	3.34%	28.56
29	Water Supply System -Township	104.74	5.28%	5.53
30	Sewerage & Drainage System - Township	52.76	3.34%	1.76
31	MGR Track & Signalling System	5616.87	5.28%	296.57
32	Steam Generator	61695.28	5.28%	3,257.51
33	Turbine Generator - including EOT Cranes	46330.28	5.28%	2,446.24
34	Coal Handling System	18218.17	5.28%	961.92
35	Fuel Oil Handling System	877.77	5.28%	46.35
36	Ash Handling System	7741.53	5.28%	408.75
37	Cooling Water System Inculding Cooling Towers	16815.50	5.28%	887.86
38	Control and Instrumentation Equipments	11807.84	5.28%	623.45
39	Service and General Station Equipments	4537.70	5.28%	239.59
40	Electrical and Auxilliary Equipments	12872.54	5.28%	679.67
41	Chimney	4195.85	5.28%	221.54
42	Water Treatment Plant	2391.08	5.28%	126.25
43	Power Station Switchyard	6279.18	5.28%	331.54
44	Main Electrical Equipments	4853.39	5.28%	256.26
45	Mechanical & Auxilliary Equipments	560.78	5.28%	29.61
46	Compressed Air System	1206.62	5.28%	63.71
47	MGR Locos & Shunting Locos	878.84	5.28%	46.40
48	Fire Fighting Engines & Tenders	109.77	5.28%	5.80
49	Stores Equipments (Material Handling)	131.76	5.28%	6.96
50	Workshop Equipments	522.39	5.28%	27.58
51	Laboratory Equipments	675.69	5.28%	35.68
52	Towers	5631.50	5.28%	297.34

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DETAILS OF DEPRECIATION CALCULATION AS ON 31.03.2012

Name of the Company
Name of the Power Station

NTPC SAIL POWER COMPANY PRIVATE LIMITED
BHILAI EXPANSION POWER PROJECT (2 x 250 MW)

DETAILS OF ASSETS CAPITALISED IN EXPANSION PROJECT

(Amount in Rs. Lacs)

Sl. No.	Description	Amount	Dep Rate	Dep Amount
53	400/220/132 KV Switchyards at NSPCL Sites	3793.28	5.28%	200.29
54	Earthmoving Equipments	413.55	9.50%	39.29
55	Cranes	21.23	9.50%	2.02
56	Construction Power Supply System - Plant	300.36	100.00%	300.36
57	Township Power Supply System	353.83	5.28%	18.68
58	Other Electrical Installations	156.42	5.28%	8.26
59	Permanent Power Supply System - Plant	3.14	5.28%	0.17
60	Buses & Trucks -Plant/Office	24.65	9.50%	2.34
61	Motor Cycles, Scooters-Plant/Office	2.51	9.50%	0.24
62	Cycles-Plant/Office	0.08	5.28%	0.00
63	Furniture-Township	39.07	6.33%	2.47
64	Furniture-Canteen	1.32	6.33%	0.08
65	Furniture-Office & Others	332.56	6.33%	21.05
66	Fixture-Fans-Plant/Office	1.98	6.33%	0.13
67	Fixture-Fans-Township	0.21	6.33%	0.01
68	Fixture-Other Elect. Fittings Plant/off.	0.91	6.33%	0.06
69	Fixture-Other Electrical Fittings - Township	0.47	6.33%	0.03
70	Personal Computers along with Accesories	105.81	15.00%	15.87
71	Other EDP Machines	91.61	15.00%	13.74
72	Typewriters,Calculators & Other Office Appliances -Pla	10.57	6.33%	0.67
73	Refrigerators,Aircoolers,Watercoolers & Airconditioners	31.82	6.33%	2.01
74	Refrigerators,Aircoolers,Watercoolers & Airconditioners	35.01	6.33%	2.22
75	Printroom Machines	15.42	15.00%	2.31
76	Hospital Equipments	4.14	5.28%	0.22
77	School Equipments	0.00	5.28%	0.00
78	Other Township Equipments	6.79	6.33%	0.43
79	Community Centre Equipments	7.93	6.33%	0.50
80	Guest House,Transit Hostel Equipments & Appliances	4.94	6.33%	0.31
81	Canteen Equipments	1.36	6.33%	0.09
82	Interior Communication Equipments - Township	38.18	6.33%	2.42
83	Interior Communication Equipments-Plant/Office	162.29	6.33%	10.27
84	R&D Laboratory Equipments Other than Plant and M/ch	0.00	6.33%	0.00
85	Capital Expenditure on Assets not owned by the Company	979.17	3.34%	32.70
86	Calculators	0.00	3.34%	0.00
87	Assets Owned by GOI	0.00	3.34%	0.00
88	Unserviceable/Obsolete Assets	0.00	3.34%	0.00
89	Intangible Assets	44.18	15.00%	6.63
90	Mohad Reservoir - Industrial water	11,000.00	5.27%	580.00
	SUB-Total A	270596.84		15147.74

5.598%

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DETAILS OF DEPRECIATION CALCULATION AS ON 31.03.2013

Name of the Company
Name of the Power Station

NTPC SAIL POWER COMPANY PRIVATE LIMITED
BHILAI EXPANSION POWER PROJECT (2 x 250 MW)

(Amount in Rs. Lacs)

DETAILS OF ASSETS CAPITALISED IN EXPANSION PROJECT

S.NO	NAME	Dep %	G. Block as on 31.03.13	Dep
1	Leasehold Land-Plant/Office	3.34	7,113.20	237.58
2	Leasehold Land-Town Ship	3.34	1,803.38	60.23
3	Permanent Roads-Plant Area	3.34	1,620.98	54.14
4	Permanent Roads-Township	3.34	403.40	13.47
5	Bridges & Culverts Plant Area	3.34	11.46	0.38
6	Main Plant Buildings Projects	3.34	5,606.41	187.25
7	Off Site Buildings	3.34	1,576.40	52.65
8	Service Buildings Including MGR Wor	3.34	2,055.85	68.67
9	Miscellaneous Steel Structures Incl	3.34	10,845.70	362.25
10	Building Temporary Construction-	18.00	266.22	47.92
11	INTERNAL ELEC MAIN PLANT	6.33	851.97	53.93
12	INTERNAL ELEC OFFSITE	6.33	51.46	3.26
13	INTER.ELE.WORK SERV.BUIL.MGR W.SHOP	6.33	215.29	13.63
14	I/E Of Temporary Construction-Auxi Build	18.00	22.53	4.05
15	Administrative Building-Freehold	3.34	704.28	23.52
16	Residential Buildings Township	3.34	5,089.53	169.99
17	Service Buildings - Township	3.34	762.57	25.47
18	Buildings Temporary Construction	18.00	13.00	2.34
19	Boundary Wall	3.34	1,024.20	34.21
20	INT.ELEC.WORK ADM BUIL FREEHOLD	6.33	91.08	5.77
21	INTER.ELECTR. WORK RESI.BUIL T.SHIP	6.33	338.38	21.42
22	INTER.ELECTR. WORK SERV.BUIL T.SHIP	6.33	44.94	2.84
23	Temporary Fencing-Plant	100.00	19.71	19.71
24	Temporary Fencing-Township	100.00	14.23	14.23
25	Sewerage & Effluent Disposal Sys -Plant	5.28	765.72	40.43
26	Sewerage And Drainage System-Township	5.28	70.02	3.70
27	Temporary Construction Water Supply	18.00	15.50	2.79
28	Water Supply & Drains-Plant Area	5.28	1.38	0.07
29	Sewerage & Effluent Disposal-Plant	3.34	859.35	28.70
30	Water Supply System -Township	5.28	214.76	11.34
31	Sewerage & Drainage System - Townsh	3.34	294.60	9.84
32	MGR Track & Signalling System	5.28	5,573.92	294.30
33	Steam Generator	5.28	61,904.40	3,268.55
34	Turbine Generator - Including EOT C	5.28	46,708.93	2,466.23
35	Coal Handling System	5.28	19,057.37	1,006.23
36	Fuel Oil Handling System	5.28	884.14	46.68
37	Ash Handling System	5.28	7,836.85	413.79
38	Cooling Water System Inculding Cool	5.28	16,739.09	883.82
39	Control And Instrumentation Equipme	5.28	11,924.23	629.60
40	Service And General Station Equipme	5.28	4,511.91	238.23
41	Electrical And Auxilliary Equipment	5.28	12,921.22	682.24
42	Chimney	5.28	4,196.01	221.55
43	Water Treatment Plant	5.28	2,391.08	126.25
44	Power Station Switchyard	5.28	6,214.23	328.11
45	Main Electrical Equipments	5.28	4,853.39	256.26
46	Mechanical & Auxilliary Equipments	5.28	569.55	30.07
47	Compressed Air System	5.28	1,206.62	63.71
48	MGR Locos & Shunting Locos	5.28	878.84	46.40
49	Fire Fighting Engines & Tenders	9.50	109.77	10.43
50	Stores Equipments (Material Handlin	5.28	135.36	7.15
51	Workshop Equipments	5.28	522.29	27.58
52	Laboratory Equipments	5.28	675.69	35.68
53	Towers	5.28	5,631.50	297.34
54	400/220/132 KV Switchyards At NTPC	5.28	3,793.28	200.28
55	Earthmoving Equipments	9.50	413.55	39.29
56	Cranes	5.28	21.23	1.12
57	Construction Power Supply System -	5.28	300.36	15.86
58	Township Power Supply System	5.28	564.70	29.82
59	Other Electrical Installations	5.28	172.06	9.09
60	Permanent Power Supply System - Pla	5.28	3.14	0.17
61	Buses & Trucks -Plant/Office	9.50	24.65	2.34
62	Motor Cycles, Scooters-Plant/Office	9.50	2.51	0.24
63	Cycles-Plant/Office	9.50	0.08	0.01
64	Furniture-Township	6.33	38.58	2.44
65	Furniture-Canteen	6.33	1.32	0.08
66	Furniture-Office & Others	6.33	332.56	21.05

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67	Fixture Partition In Own Buldg	6.33	1.68	0.11
68	Fixture-Fans-Plant/Office	6.33	4.12	0.26
69	Fixture-Fans-Township	6.33	0.21	0.01
70	Fixture-Other Elect. Fittings Plant	6.33	0.91	0.06
71	Fixture-Other Electrical Fittings -	6.33	0.47	0.03
72	Satellite Communication System	6.33	0.63	0.04
73	PERSONAL COMPUTER WITH ACESSORIES	18.00	121.31	21.84
74	Other EDP Machines	15.00	92.94	13.94
75	Typewriters,Calculators & Other Off	6.33	10.28	0.65
76	Refrigerators,Aircoolers,Watercoole	7.50	35.18	2.64
77	Refrigerators,Aircoolers,Watercoole	7.50	35.01	2.63
78	Printroom Machines	18.00	15.42	2.78
79	Hospital Equipments	5.28	4.14	0.22
80	Other Township Equipments	6.33	6.48	0.41
81	Community Centre Equipments	6.33	7.93	0.50
82	Guest House,Transit Hostel Equipmen	6.33	5.07	0.32
83	Canteen Equipments	6.33	1.36	0.09
84	Interior Communication Equipments -	6.33	77.50	4.91
85	Interior Communication Equipments-P	6.33	208.28	13.18
86	Capital Expenditure on Assets not o	25.00	979.17	244.79
87	Unserviceable/Obsolete Assets	3.34	0.05	0.00
88	INTANGIBLE ASSET	33.34	44.21	14.74
	Mohad Reservoir-Industrial Water	5.27	11,000.00	579.70
TOTAL			276,534.27	14,181.61
			Average Depreciation	5.13%

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(PETITIONER)

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DETAILS OF DEPRECIATION CALCULATION AS ON 31.03.2014

Name of the Company
Name of the Power Station

NTPC SAIL POWER COMPANY PRIVATE LIMITED
BHILAI EXPANSION POWER PROJECT (2 x 250 MW)

(Amount in Rs. Lacs)

DETAILS OF ASSETS CAPITALISED IN EXPANSION PROJECT

ACD	NAME	Dep %	G. Block as on 31.03.14	Dep
510101	Leasehold Land-Plant/Office	3.34	7,113.20	238.00
510102	Leasehold Land-Town Ship	3.34	1,803.38	60.00
510701	Permanent Roads-Plant Area	3.34	1,617.12	54.00
510702	Permanent Roads-Township	3.34	463.66	15.00
510711	Bridges & Culverts Plant Area	3.34	11.46	-
510901	Main Plant Buildings Projects	3.34	5,606.41	187.00
510902	Off Site Buildings	3.34	1,576.40	53.00
510903	Service Buildings Including MGR Wor	3.34	2,105.30	70.00
510909	Miscellaneous Steel Structures Incl	3.34	10,845.70	362.00
510942	Building Temporary Construction-	18.00	265.67	48.00
510951	INTERNAL ELEC MAIN PLANT	6.33	851.97	54.00
510952	INTERNAL ELEC OFFSITE	6.33	51.46	3.00
510953	INTER.ELE.WORK SERV.BUIL.MGR W.SHOP	6.33	215.29	14.00
510992	I/E Of Temporary Construction-Auxi Build	18.00	22.53	4.00
511021	Administrative Building-Freehold	3.34	719.53	24.00
511031	Residential Buildings Township	3.34	5,255.03	176.00
511032	Service Buildings - Township	3.34	874.07	29.00
511044	Buildings Temporary Construction	18.00	14.35	3.00
511045	Boundary Wall	3.34	1,047.78	35.00
511071	INT.ELEC.WORK ADM BUIL FREEHOLD	6.33	91.08	6.00
511081	INTER.ELECTR. WORK RESI.BUIL T.SHIP	6.33	343.36	22.00
511082	INTER.ELECTR. WORK SERV.BUIL T.SHIP	6.33	51.07	3.00
511102	Temporary Erections including Wooden Structures - Township	100.00	3.17	3.00
511103	Temporary Fencing-Plant	100.00	19.71	20.00
511104	Temporary Fencing-Township	100.00	20.42	20.00
511202	Sewerage & Effluent Disposal Sys -Plant	5.28	765.72	40.00
511205	Sewerage And Drainage System-Township	5.28	70.33	4.00
511210	Temporary Construction Water Supply	18.00	15.50	3.00
511301	Water Supply & Drains-Plant Area	5.28	1.38	-
511302	Sewerage & Effluent Disposal-Plant	3.34	859.35	29.00
511304	Water Supply System -Township	5.28	221.84	12.00
511305	Sewerage & Drainage System - Townsh	3.34	318.75	11.00
511501	MGR Track & Signalling System	5.28	5,569.92	294.00
512101	Steam Generator	5.28	62,005.58	3,274.00
512102	Turbine Generator - Including EOT C	5.28	46,704.42	2,466.00
512104	Coal Handling System	5.28	18,976.13	1,002.00
512105	Fuel Oil Handling System	5.28	877.81	46.00
512106	Ash Handling System	5.28	7,849.36	414.00
512107	Cooling Water System Incuding Cool	5.28	16,722.91	883.00
512108	Control And Instrumentation Equipme	5.28	11,926.24	630.00
512109	Service And General Station Equipme	5.28	4,509.55	238.00
512110	Electrical And Auxilliary Equipment	5.28	12,903.90	681.00
512111	Chimney	5.28	4,196.01	222.00
512112	Water Treatment Plant	5.28	2,376.14	125.00
512113	Power Station Switchyard	5.28	6,212.91	328.00
512114	Main Electrical Equipments	5.28	4,842.49	256.00
512116	Mechanical & Auxilliary Equipments	5.28	570.81	30.00
512118	Compressed Air System	5.28	1,206.62	64.00
512121	MGR Locos & Shunting Locos	5.28	878.84	46.00

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512124	Fire Fighting Engines & Tenders	9.50	109.77	10.00
512126	Stores Equipments (Material Handlin	5.28	135.36	7.00
512127	Workshop Equipments	5.28	525.09	28.00
512128	Laboratory Equipments	5.28	700.64	37.00
512151	Towers	5.28	5,631.50	297.00
512158	400/220/132 KV Switchyards At NTPC	5.28	3,789.28	200.00
512201	Earthmoving Equipments	9.50	413.55	39.00
512207	Cranes	5.28	21.23	1.00
512301	Construction Power Supply System -	5.28	300.36	16.00
512302	Township Power Supply System	5.28	576.00	30.00
512309	Other Electrical Installations	5.28	175.81	9.00
512310	Permanent Power Supply System - Pla	5.28	3.14	-
512501	Buses & Trucks -Plant/Office	9.50	24.65	2.00
512507	Motor Cycles, Scooters-Plant/Office	9.50	2.51	-
512510	Cycles-Plant/Office	9.50	0.15	-
513001	Furniture-Township	6.33	38.58	2.00
513002	Furniture-Canteen	6.33	1.32	-
513003	Furniture-Office & Others	6.33	332.88	21.00
513004	Fixture Partition In Own Buldg	6.33	2.13	-
513012	Fixture-Fans-Plant/Office	6.33	4.12	-
513013	Fixture-Fans-Township	6.33	0.21	-
513014	Fixture-Other Elect. Fittings Plant	6.33	0.91	-
513015	Fixture-Other Electrical Fittings -	6.33	0.47	-
513102	Satellite Communication System	6.33	0.63	-
513103	PERSONAL COMPUTER WITH ACESSORIES	18.00	121.44	22.00
513110	Other EDP Machines	15.00	92.94	14.00
513202	Typewriters,Calculators & Other Off	6.33	10.33	1.00
513203	Refrigerators,Aircoolers,Watercoole	7.50	44.45	3.00
513204	Refrigerators,Aircoolers,Watercoole	7.50	38.99	3.00
513205	Printroom Machines	18.00	14.67	3.00
513206	Hospital Equipments	5.28	4.14	-
513208	Other Township Equipments	6.33	6.80	-
513209	Community Centre Equipments	6.33	7.93	1.00
513210	Guest House,Transit Hostel Equipmen	6.33	5.07	-
513211	Canteen Equipments	6.33	1.36	-
513212	Interior Communication Equipments -	6.33	77.83	5.00
513213	Unserviceable/Obsolete Assets	6.33	230.07	15.00
513601	Unserviceable/Obsolete Assets	25.00	979.17	245.00
515101	Unserviceable/Obsolete Assets		0.05	-
516201	INTANGIBLE ASSET	33.34	44.21	15.00
	Mohad Reservoir-Industrial Water	5.27	11,000.00	580.00
			277041	14207
				5.13%

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(PETITIONER)

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Statement of Depreciation

**Part-I
Form-12**

Name of the Company
Name of the Power Station

NTPC SAIL POWER COMPANY PRIVATE LIMITED
BHILAI EXPANSION POWER PROJECT (2 X 250 MW)

(Amount in Rs Lacs)

Financial Year	2009-10 (21.10.2009 to 31.3.2010)	2010-11	2011-2012	2012-2013	2013-14**
Depreciation on Capital cost	12,040.02	12,040.03	13,631.06	13,745.47	14,103.90
Depreciation on Additional Capitalisation					
Amount of additional Capitalisation	328.77	19,161.52	24,526.72	7,001.24	0.00
Depreciation Amount	8.84	514.18	686.49	179.52	0.00
Details of FERV					
Amount of FERV on which Depreciation charged	N/A	N/A	N/A	N/A	N/A
Depreciation Amount					
Depreciation recovered during the Year	5,347.71	12,554.22	14,317.55	13,924.99	14,103.90
Advance against Depreciation recovered during the year	-	-	-	-	-
Depreciation & Advance against Depreciation recovered during the year	5,347.71	12,554.22	14,317.55	13,924.99	14,103.90
Cumulative Depreciation & Advance against Depreciation recovered upto the year	9,487.51	22,041.72	36,359.27	50,284.26	64,388.16

Note 1: Depreciation recovered during 2009-10 shown only for the proportionate period of 21.10.09 to 31.03.09

Note 2: Depreciation on additional capitalization has been charged for half year only

¹ If the tariff for the period 2004-09 was not ordered by the Commission, Depreciation recovered in Tariff upto 2004-09 to be furnished with year wise details in the same from separately with supporting details.

² In case of details of FERV and AAD, give information for the applicable period.

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Name of the Company
Name of the Power Station

NTPC SAIL POWER COMPANY PRIVATE LIMITED
BHILAI EXPANSION POWER PROJECT (2 X 250 MW)

(Amount in lacs)

Sl.No.	Particulars	Existing 2008-09	2009-10	2010-11	2011-12	2012-13	2013-14
1	Central Bank Of India						
	Gross loan-Opening *	10,000	10,000	10,000	10,000	10,000	10,000
	Cumulative repayments of Loans upto previous year	-	-	-	454	1,362	2,270
	Net Loan-Opening	10,000	10,000	10,000	9,546	8,638	7,730
	Increase/Decrease due to FERV	-	-	-	-	-	-
	Increase/Decrease due to ACE	-	-	-	-	-	-
	Total	10,000	10,000	10,000	9,546	8,638	7,730
	Add: Drawl(s) during the Year	-	-	-	-	-	-
	Less :Repayments of loans during the year	-	-	454	908	908	908.00
	Net Loan-Closing	10,000	10,000.00	9,546.00	8,638.00	7,730.00	6,822.00
	Average Net Loan	10,000	10,000	9,773	9,092	8,184	7,276
	Rate of Interest on Loan with quarterly rest	7.02%	7.02%	7.18%	10.07%	10.07%	10.07%
	Interest on Loan	702	702.00	701.58	915.56	824.13	732.69
2	Union Bank Of India						
	Gross loan-Opening *	44,500	44,500	44,500	44,500	44,500	44,500
	Cumulative repayments of Loans upto previous year	-	-	4,045	8,091	12,136	16,182
	Net Loan-Opening	44,500	44,500	40,455	36,409	32,364	28,318
	Increase/Decrease due to FERV	-	-	-	-	-	-
	Increase/Decrease due to ACE	-	-	-	-	-	-
	Total	44,500	44,500	40,455	36,409	32,364	28,318
	Add: Drawl(s) during the Year	-	-	-	-	-	-
	Less :Repayments of loans during the year	-	4,045	4,045	4,045	4,045	4,045
	Net Loan-Closing	44,500	40,455	36,409	32,364	28,318	24,273
	Average Net Loan	44,500	42,477	38,432	34,386	30,341	26,295
	Rate of Interest on Loan with quarterly rest	7.02%	7.03%	9.43%	9.43%	9.43%	9.43%
	Interest on Loan	3,124	2,985	3,624	3,243	2,861	2,480
3	Rural Electrification Corporation Ltd.						
	Gross loan-Opening *	79,000	118,500	118,500	118,500	125,500	128,500
	Cumulative repayments of Loans upto previous year	-	-	11,850	23,700	35,550	48,829
	Net Loan-Opening	79,000	118,500	106,650	94,800	89,950	79,671
	Increase/Decrease due to FERV	-	-	-	-	-	-
	Increase/Decrease due to ACE	-	-	-	-	-	-
	Total	79,000	118,500	106,650	94,800	89,950	79,671
	Add: Drawl(s) during the Year	39,500	-	-	7,000	3,000	-
	Less :Repayments of loans during the year	-	11,850	11,850	11,850	13,279	13,279
	Net Loan-Closing	118,500	106,650	94,800	89,950	79,671	66,393
	Average Net Loan	98,750	112,575	100,725	92,375	84,811	73,032
	Rate of Interest on Loan **	8.819%	8.819%	8.819%	8.829%	8.833%	8.833%
	Interest on Loan	8,708	9,928	8,883	8,155	7,491	6,451
4	Loan II-Union Bank of India						
	Gross loan-Opening *	-	-	11,000	11,000	11,000	11,000
	Cumulative repayments of Loans upto previous year	-	-	-	825	1,925	3,025
	Net Loan-Opening	-	-	11,000	10,175	9,075	7,975
	Increase/Decrease due to FERV	-	-	-	-	-	-
	Increase/Decrease due to ACE	-	-	-	-	-	-
	Total	-	-	11,000	10,175	9,075	7,975
	Add: Drawl(s) during the Year	-	11,000	-	-	-	-
	Less :Repayments of loans during the year	-	-	825	1,100	1,100	1,100
	Net Loan-Closing	-	11,000	10,175	9,075	7,975	6,875
	Average Net Loan	-	5,500	10,588	9,625	8,525	7,425
	Rate of Interest on Loan **	-	11.00%	11.75%	13.88%	11.48%	11.21%
	Interest on Loan	-	605	1,244	1,336	978	832
	Total Loan						
	Gross loan-Opening	133,500	173,000	184,000	184,000	191,000	194,000
	Cumulative repayments of Loans upto previous year	-	-	15,895	33,070	50,973	70,305
	Net Loan-Opening	133,500	173,000	168,105	150,930	140,027	123,695
	Add : Drawl (s) during the year	39,500	11,000	-	7,000	3,000	-
	Less : Repayment (s) of loans during the year	-	15,895	17,174	17,903	19,332	19,332
	Net Loan-Closing	173,000	168,105	150,930	140,027	123,695	104,363
	Average net loan	153,250	170,552	159,517	145,478	131,861	114,029
	Total interest paid	12,534	14,219	14,452	13,650	12,155	10,495
	Total Repayments of loans During the year	-	15,895	17,174	17,903	19,332	19,332
	Weighted average int rate	8.18%	8.34%	9.06%	9.38%	9.22%	9.20%

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 separately in the same form.

* As on 1st April 2008

** On weighted average basis

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Calculation of Interest on Normative Loans

Name of the Company
Name of the Power Station

NTPC SAIL POWER COMPANY PRIVATE LIMITED
BHILAI EXPANSION POWER PROJECT (2 X 250 MW)

(Amount in lacs)

Particulars	Existing 2008-09	2009-10	2010-11	2011-12	2012-13	2013-14
Gross Loan-Opening #	NA	156,809	157,039	170,452	187,621	192,522
Cumulative repayments of loans upto previous years *		4,140	9,488	22,042	36,359	50,284
Net Loan-Opening		152,669	147,552	148,410	151,262	142,237
Drawal during the year **		230	13,413	17,169	4,901	-
Repayments of Normative Loans during the year		5,348	12,554	14,318	13,925	14,104
Net Loan-Closing		147,552	148,410	151,262	142,237	128,134
Average Normative Loan		150,110	147,981	149,836	146,749	135,185
Weighted Average rate of Interest on Loans		8.34%	9.06%	9.38%	9.22%	9.20%
Interest on Normative Loan		12,515	13,407	14,059	13,527	12,443

** assumed at 70% of additional capitalisation including idc

for the year 2009-10 taken as 70% of the project cost as on 20.10.09

* Repayment during 2009-10 is considered as Depreciation for period 22.04.2009 to 20.10.2009
Debt 70%

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Calculation of Interest on Working Capital

Name of the Company

NTPC SAIL POWER COMPANY PRIVATE LIMITED

Name of the Power Station

BHILAI EXPANSION POWER PROJECT (2 X 250 MW)

(Amount in Rs lacs)

Sl. No.	Particulars	Existing 2008-09	2009-10	2010-11	2011-12	2012-13	2013-
1	2	3	4	5	6	7	8
1	Cost of Coal/Lignite ¹		7534	7534	7555	7534	
2	Cost of Main Secondary Fuel Oil ¹		165	165	165	165	
3	Fuel Cost ²						
4	Liquid Fuel Stock ²						
5	O & M expenses		741	786	834	885	
6	Maintenance Spares		1779	1887	2002	2124	
7	Receivables		15902	16409	17161	17245	
8	Total Working Capital (WC)		26121	26782	27718	27953	
9	Rate of Interest		12.25%	12.25%			
10	Rate of Interest			12.25%	12.25%	12.25%	1
11	Interest on Working Capital		3200	3281	3395	3424	

* Calculated as per Regulation 7 of Second amended regulation, 2011

¹For Coal based/Lignite based generating stations

²For Gas Turbine/Combined Cycle generating stations duly taking into account the mode of operation on gas and liquid fuel

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NTPC-SAIL Power Company Private Limited
Bhilai Expansion Power Project (2 X 250 MW)

PART-D
FORM-14

Note:

- 1 Drawl of debt and equity shall be on pari-passu basis quarter wise to meet the commissioning schedule. Drawl of higher equity in the beginning is permissible.
- 2 Available interest rates including rent data used for above computation may be furnished separately.
- 3 In case of multi unit project details of capitalization ratio used to be furnished.

2009-10, Q3 - data given upto 30 October 2009

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**PART-I
FORM-15**

Details/Information to be Submitted in respect of Fuel for Computation of Energy Charges¹

Name of the Company

NTPC SAIL POWER COMPANY PRIVATE LIMITED

Name of the Power Station

BHILAI EXPANSION POWER PROJECT(2 x 250 MW)

Sl. No.	Month	Unit	September '09	August '09	July '09
1	Quantity of Coal/Lignite supplied by Coal/Lignite Company	(MT)	178716.45	148046.44	115457.89
2	Adjustment (+/-) in quantity supplied made by Coal/Lignite Company	(MT)	0	0	0
3	Coal supplied by Coal/Lignite Company (1+2)	(MT)	178716.45	148046.44	115457.89
4	Normative Transit & Handling Losses (For coal/Lignite based Projects) *	(MT)	1429.73	1184.37	923.66
5	Net coal / Lignite Supplied (3-4)	(MT)	177286.72	146862.07	114534.23
6	Amount charged by the Coal /Lignite Company	(Rs.)	260685539	189366458	152741356
7	Adjustment (+/-) in amount charged made by Coal/Lignite Company	(Rs.)	0	0	0
8	Total amount Charged (6+7)	(Rs.)	260685539	189366458	152741356
9	Transportation charges by rail/ship/road transport	(Rs.)	78846908	25861349	36911155
10	Adjustment (+/-) in amount charged made by Railways/Transport Company	(Rs.)	0	0	0
11	Demurrage Charges, if any	(Rs.)	2030100	1695900	4810800
12	Entry Tax, Other Charge,	(Rs.)	2993484	1151339	1325660
13	Diesel Loco Charge including shunting Charge	(Rs.)	1562916	1820164	1236480
14	Hydra , Bobcat	(Rs.)	600292	464719	490868
15	Other incidental Expenses	(Rs.)	10699523	2043253	1648918
16	Total Transportation and Incidental Charges (9+/-10 +11+12+13+14+15)	(Rs.)	96733223	33036724	46423881
17	Total amount Charged for coal/lignite supplied including Transportation and Incidental charges(8+16)	(Rs.)	357418762	222403182	199165237
	Cost / MT		2016.05	1514.37	1738.91
18	Weighted average GCV of coal/ Lignite as fired	(kCal/Kg)	3615.1	3576.72	3507.69

* As per Regulation 21 (7) Transit and Handling losses taken as 0.8 %

Note : Auditor's certificate for the above charges is enclosed in Annexure -

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PART-I
FORM-15 Oil

**Details/Information to be Submitted in respect of Fuel for Computation of
Energy Charges¹**

Name of the Company

NTPC SAIL POWER COMPANY PRIVATE LIMITED

Name of the Power Station

BHILAI EXPANSION POWER PROJECT (2 x 250 MW station)

Sl. No.	Month	Unit	September '09	August '09	July '09
1	Quantity of Oil supplied by Oil Company	(KL)	2178.52	1729.18	2674.82
2	Adjustment (+/-) in quantity supplied made by Oil Company	(KL)	0	0	0
3	Oil supplied by Oil Company (1+2)	(KL)	2178.52	1729.18	2674.82
4	Amount charged by the Oil Company	(Rs.)	61537302	46159735	66432358
5	Adjustment (+/-) in amount charged made by Oil Company	(Rs.)	0	0	0
6	Total amount Charged for Oil supplied by Oil Company	(Rs.)	61537302	46159735	66432358
7	GCV of Oil (HFO)	(kCal/L)	10709	10717	10713

Note : Auditor's certificate for the above charges enclosed in Annexure -

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PETITIONER

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Details/Information submitted in respect of Cost of HFO

PART - I

FORM - 15 A (Additional Form)

Name of the Company

NTPC SAIL POWER COMPANY PRIVATE LIMITED

Name of the Power Station

BHILAI EXPANSION POWER PROJECT (2 X 250 MW)

Month	Total Unit (KL)	Sep-09	Aug-09	Jul-09	Jun-09	May-09	Apr-09
Quantity of Oil supplied by Oil company	Unit (KL)	Unit (KL)	Unit (KL)	Unit (KL)	Unit (KL)	Unit (KL)	Unit (KL)
Opening Balance							
HFO	5630.16	886.91	541.22	1119.80	713.23	1172.40	1196.61
TOTAL (1)	5630.16	886.91	541.22	1119.80	713.23	1172.40	1196.61
Receipt							
HFO	6605.98	1291.61	1187.96	1555.02	982.39	1197.00	392.00
TOTAL (2)	6605.98	1291.61	1187.96	1555.02	982.39	1197.00	392.00
TOTAL (1) + (2)		2178.52	1729.18	2674.82	1695.62	2369.40	1588.61
Issue							
HFO	6448.97	824.90	842.27	2133.60	575.82	1656.17	416.21
TOTAL (3)	6448.97	824.90	842.27	2133.60	575.82	1656.17	416.21
Closing Stock							
HFO	5787.16	1353.62	886.91	541.22	1119.80	713.23	1172.40
TOTAL (4)	5787.16	1353.62	886.91	541.22	1119.80	713.23	1172.40
Amount charged by the Oil company	Unit (Rs.)	Unit (Rs.)	Unit (Rs.)	Unit (Rs.)	Unit (Rs.)	Unit (Rs.)	Unit (Rs.)
Opening Balance							
HFO	119065853.45	23675641	13441756	25048334	14231510	21226794	21441818
TOTAL (5)	119065853	23675641	13441756	25048334	14231510	21226794	21441818
Receipt							
HFO	169032994	37861661	32717979	41384024	23697128	26051468	7320734
TOTAL (6)	169032994	37861661	32717979	41384024	23697128	26051468	7320734
TOTAL (5) + (6)		61537302	46159735	66432358	37928638	47278262	28762552
Issue							
HFO	152238700	23301190	22484094	52990602	12880304	33046752	7535758
TOTAL (7)	152238700	23301190	22484094	52990602	12880304	33046752	7535758
Closing Stock							
HFO	135860147	38236112	23675641	13441756	25048334	14231510	21226794
TOTAL (8)	135860147	38236112	23675641	13441756	25048334	14231510	21226794
Cost per KL -HFO (5+6)/(1+2)		28247.32	26694.61	24836.21	22368.61	19953.72	18105.48

(PETITIONER)

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Details / Information to be Submitted in respect of Limestone for
Computation of Energy Rate

Name of the Company

NTPC SAIL POWER COMPANY PRIVATE LIMITED

Name of the Power Station

BHILAI EXPANSION POWER PROJECT (2 X 250 MW)

Sl. No.	Month	Unit	For preceeding 3rd Month	For preceeding 2nd Month	For preceeding 1st Month
1	Quantity of Limestone supplied by Limestone supply Company	(MMT)	Not Applicable		
2	Adjustment (+/-) in quantity supplied made by Limestone supply Company	(MMT)			
3	Limestone supplied by Limestone supply Company (1+2)	(MMT)			
4	Net Limestone Supplied (3-4)	(MMT)			
5	Amount charged by the Limestone supply Company	(Rs.)			
6	Adjustment (+/-) in amount charged made by Limestone supply Company	(Rs.)			
7	Total amount Charged (6+7)	(Rs.)			
8	Transportation charges by rail/ship/road transport	(Rs.)			
9	Adjustment (+/-) in amount charged made by Railways/Transport Company	(Rs.)			
10	Demurrage Charges, if any	(Rs.)			
11	Total Transportation Charges (9+/-9-10)	(Rs.)			
12	Total amount Charged for Limestone supplied including Transportation (7+11)	(Rs.)			

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PART - I
Additional Form No. 1

Computation of GCV & Landed Price of Fuel

Name of the Company
Name of the Power Station

NTPC SAIL POWER COMPANY PRIVATE LIMITED
BHILAI EXPANSION POWER PROJECT (2 X 250 MW)

21.10.2009 (COD of Unit-2)--- 31.03.2014

Coal	September '09	August '09	July '09	Average	Rate (Rs./MT)
Total Qnty (MT)	177286.72	146862.07	114534.23	146227.67	1775.740
Total Amount (Rs)	357418762	222403182	199165237	259662393.7	
GCV (KCal/kg)	3615.1	3576.72	3507.69	3566.50	
GCV of Coal as fired in Kcal/kg i.e. CVPF				3566.50	
Landed Price of Coal in Rs. /Kg i.e. LPPF				1.776	
Sec. Oil	September '09	August '09	July '09	Average	Rate (Rs / KL)
Total Qnty (KL)	2178.52	1729.18	2674.82	2194.172	26453.32
Total Amount (Rs)	61537302	46159735	66432358	58043132	
GCV (KCal/L)	10709	10717	10713	10713	CVSF in Kcal / L
GCV of Oil in Kcal/ml i.e. CVSF				10.713	
Price of Oil in Rs. /ml.				0.0264533	

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Computation of Energy Charges

Name of the Company

NTPC SAIL POWER COMPANY PRIVATE LIMITED

Name of the Power Station

BHILAI EXPANSION POWER PROJECT (2 X 250 MW)

Description	Unit	2009 - 10 (21.10.2009 -	2010-11	2011-12	2012-13	2013-14
Capacity	MW	500	500	500	500	500
Number of Days	No.	365	365	366	365	365
Gen. at targeted availability	MU	3723	3723	3733.2	3723	3723
Target AF	%	85	85	85	85	85
Gross Station Heat Rate (GHR)	Kcal/KWH	2450	2450	2450	2450	2450
Normative Auxiliary Energy Consumption (AUX)	%	9	9	9	9	9
Specific Oil Consumption (SFC)	ml / KWH	1	1	1	1	1
Avg. GCV of Secondary Fuel i.e Oil (CVSF)	Kcal/ml	10.713	10.713	10.713	10.713	10.713
Gross calorific value of primary fuel i.e. Coal as fired (CVPF)	Kcal/kg	3567	3567	3567	3567	3567
Weighted average Landed Price of Primary Fuel i.e. Coal (LPPF)	Rs./kg	1.77574	1.77574	1.77574	1.77574	1.77574
Heat Contribution from Secondary Fuel Oil	Kcal / KWH	10.713	10.713	10.713	10.713	10.713
Heat Contribution from Coal	Kcal / KWH	2438.8	2438.8	2438.8	2438.8	2438.8
Rate of Energy Charge	Rs/KWH	1.214	1.214	1.214	1.214	1.214
Rate of Energy Charge ex-bus per KWH (ECR) *	Rs/KWH	1.334	1.334	1.334	1.334	1.334
Monthly Energy Charges Calculated on Target Availability	Rs. Lakh	3767.233	3767.233	3777.555	3767.233	3767.233
Energy Charges Calculated on Target Availability for 2 months for the purpose of Working Capital	Rs. Lakh	7534.467	7534.467	7555.109	7534.467	7534.467
Specific Coal Consumption	Kg /Kwh	0.684	0.684	0.684	0.684	0.684
2 months Cost of Coal for purpose of Working Capital	Rs. Lakh	7534.47	7534.47	7555.11	7534.47	7534.47
* CERC FORMULA as per regulation 21 (6)(a) of CERC (Terms and Conditions of Tariff) Regulations 2009 : $ECR = \{ (GHR - SFC \times CVSF) \times LPPF / CVPF \} \times 100 / (100 - AUX)$						

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PART - I

Additional Form No.3

Calculation of Operation & Maintenance Expenses¹

Name of the Company

NTPC SAIL POWER COMPANY PRIVATE LIMITED

Name of the Power Station

BHILAI EXPANSION POWER PROJECT (2 x 250 MW)

In Rs Lakh

	2009 - 10 (21.10.2009 - 31.3.2010)	2010-11	2011-12	2012-13	2013-14
1	3	4	5	6	7
Capacity in MW	500	500	500	500	500
No. of KM of Double Circuit Line for Associated Transmission System	13.794	13.794	13.794	13.794	13.794
No. of Bays for Associated Transmission System	7	7	7	7	7
O&M Cost Norm (Rs. Lakh / MW)	18.2	19.24	20.34	21.51	22.74
No. of Days	365	365	366	365	365
O & M Expenses as per O & M Cost norm	9100	9620	10170	10755	11370
Water charge deducted @1.16Rs.Lakh/MW)	580	580	580	580	580
O&M Expenses allowed	8520	9040	9590	10175	10790
Norm for O & M expenses in Rs. Lakh per Km for Associated Transmission System	0.627	0.663	0.701	0.741	0.783
O&M Expense for 13.794 KM Double ckt Line for Associated Transmission System	8.6	9.1	9.7	10.2	10.8
Norm for O & M expenses per Bay for Associated Transmission System	52.4	55.4	58.57	61.92	65.46
O&M Expense for 07(Seven) nos of Bays for Associated Transmission System	367	388	410	433	458
O&M data ²					
(Base O&M on the basis of actual data)					
A) Total O&M Expenses	8895	9437	10010	10619	11259
B) Abnormal O&M expenses*					
- Over staffing					
- Any Other					
O & M Expenses for the purpose of WC	741.29	786.41	834.14	884.89	938.25

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Part-I
Additional Form No.4

Expenses on Secondary Fuel Oil

Name of the Company
Name of the Power Station

NTPC SAIL POWER COMPANY PRIVATE LIMITED
BHILAI EXPANSION POWER PROJECT (2 x 250 MW)

Period : 22.04.2009 (COD of Unit-1) ---- 20.10.2009

Description	Unit	2009-10 (w.e.f. 21.10.09)	2010-11	2011-12	2012-13	2013-14
Normative Secondary Fuel Consumption (SFC)	ml/kwh	1	2	3	4	5
Wt. Avg. Price of Secondary Fuel considered initially (LPSFi)	Rs/ml	0.0265	0.0265	0.0265	0.0265	0.0265
Normative Annual Plant Availability Factor (NAPAF)	%	85	85	85	85	85
No of Day in a Year (NDY)	No.	365	365	366	365	365
Installed Capacity (IC)	MW	500	500	500	500	500
Annual Expenses on Secondary Fuel Oil	Lakh Rs.	985	985	988	985	985
Wt. Avg Price of HFO	Rs/ml	0.0266	0.0266	0.0266	0.0266	0.0266
Cost of Main Secondary Fuel oil for WC	Lakh Rs.	165.01	165.01	165.46	165.01	165.01

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