

**Petition for Tariff
&
Aggregate Revenue Requirement (ARR)
For FY 2015-16
For
Mahi Hydel Power Station**

Submitted to
Rajasthan Electricity Regulatory Commission
Jaipur
by
Rajasthan Rajya Vidyut Utpadan Nigam Limited
Vidyut Bhavan, Janpath, Jaipur

November-2014

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Definitions

Act	The Electricity Act, 2003
Application	This ARR and Tariff Petition for FY 2015-16 for Mahi Hydel Power Station of Rajasthan Rajya Vidyut Utpadan Nigam Limited, Jaipur
Auxiliary Consumption (Aux. Con.)	Auxiliary Consumption in relation to a period means the quantum of energy consumed by auxiliary equipment of the generating station and transformer losses within the generating station, and shall be expressed as a percentage of the sum of gross energy generated at the generator terminals of all the units of the generating station
Availability	Availability shall have the same meaning as defined in Section 2(7) of the RERC Tariff Regulations 2014.
Distribution Company / Discoms	Discoms or Distribution Company shall mean a company engaged primarily in the business of distribution & supply of electricity in its area of supply including Jaipur Vidyut Vitran Nigam Ltd. (JVVN), Ajmer Vidyut Vitran Nigam Ltd. (AVVN) and Jodhpur Vidyut Vitran Nigam Ltd. (JdVVN).
Gross Calorific Value (GCV)	Gross Calorific Value in relation to a thermal power generating station means the heat produced in kCal by complete combustion of one kilogram of solid fuel or one litre of liquid fuel or one standard cubic meter of gaseous fuel, as the case may be.
Regulation	The Rajasthan Electricity Regulatory Commission (The Rajasthan Electricity Regulatory Commission (Terms and Conditions for Determination of Tariff) Regulations, 2014 notified by RERC on March-27, 2014
State	The State of Rajasthan.
Gross Station Heat Rate	Heat energy input in kCal required to generate one unit (kWh) of electrical energy at generator terminals.
Unit	Unit in relation to a generating station means electric generator, its prime mover and auxiliaries and in relation to a combined cycle thermal power generating station includes combustion turbine – generators, associated waste heat recovery boilers, connected steam turbine-generator and auxiliaries

ABBREVIATIONS

ARR	Aggregate Revenue Requirement
Ajmer Discom	Ajmer Vidyut Vitran Nigam Limited
CSR	Corporate Social Responsibility
FY	Financial Year
FY – 14	Financial Year 2013-2014
FY – 15	Financial Year 2014-2015
FY – 16	Financial Year 2015-2016
GCV	Gross Calorific Value
GFA	Gross Fixed Assets
GoR	Government of Rajasthan
Jaipur Discom	Jaipur Vidyut Vitran Nigam Limited
Jodhpur Discom	Jodhpur Vidyut Vitran Nigam Limited
KWh	Kilo Watt Hour or Unit
MU	Million Units
MW	Megawatts
NRLDC	Northern Regional Load Despatch Centre
PLF	Plant Load Factor
PPA	Power Purchase Agreement
R&M	Repairs and Maintenance
RERC/ Commission	Rajasthan Electricity Regulatory Commission
RVUN	Rajasthan Rajya Vidyut Utpadan Nigam Limited
RVPN	Rajasthan Rajya Vidyut Prasaran Nigam Limited
Rs.	Indian Rupees
SHR	Station Heat Rate
Transfer Scheme	The Rajasthan Power Sector Reforms Transfer Scheme, 2000

A1: BACKGROUND

- 1.1 Rajasthan Rajya Vidyut Utpadan Nigam Ltd (RVUN) was incorporated under the Companies Act 1956, as one of the five successor companies of erstwhile Rajasthan State Electricity Board (RSEB) to take over the electricity generation business in the state of Rajasthan. The existing power stations and those under commissioning in the state sector were transferred to RVUN as per the Rajasthan Power Sector Reforms Transfer Scheme, 2000 notified by State Government provisionally on 19th July 2000 and finally on 18th January 2002.
- 1.2 From 1st April 2004 onwards, RVPN is no longer responsible for the bulk purchase of power in Rajasthan. The capacity allocated to RVPN from RVUN generating stations has been reallocated to the three Discoms (Jaipur, Ajmer and Jodhpur) in the ratio of 39:29:32 from October 2011, 40:28:32 from June 2014 or as modified by competent authority from time to time. RVUN has entered into Long Term Power supply-Purchase Agreements (PPA) in respect of existing and future power projects for 25 Years with the three Discoms on 28.09.06 , 07.06.2007 and further supplementary PPA was signed on date 18.5.10 which includes MAHI (140 MW).
- 1.1 RVUN have to file its petition for determination of ARR and Tariff Petition for 2015-16 in accordance with provision of RERC tariff regulation 2014. Accordingly this petition is being submitted for MAHI HYDEL POWER STATION (140 MW) for FY 2015-16 before RERC for ARR and tariff determination. The figures for FY 2013-14, FY 2014-15 and FY 2015-16 are un-audited and estimated.

A2: GENERATION FORECAST

- 2.1 The installed capacity of MAHI is 140 MW. The estimated figures of Gross generation, PLF & net energy sale to three Discoms from MAHI station of RVUN for the period FY 2013-14, FY 2014-15 and FY 2015-16 are as shown in table below:

Table 1: Gross generation, PLF & Ex-bus energy sale from MAHI Station

Particular	FY 13-14	FY 14-15	FY 15-16
Capacity (MW)	140	140	140
PLF (%)	16.65%	18.52%	10.60%
Gross generation (MU)	204.20	227.13	130.00
Aux Cons. (%)	0.74%	0.95%	1.00%
Net Generation (MU)	202.68	224.96	128.70

- 2.2 The fixed cost elements as detailed hereunder for MAHI for the FY 2013-14, FY 2014-15 and FY 2015-16 are as below.

FIXED CHARGES

A3: MAHI ANNUAL CAPACITY (FIXED) CHARGES FOR 2015-16

Depreciation:-

- 3.1 Depreciation of MAHI FY 2013-14 has been calculated as per clause No.23 of RERC Tariff Regulations 2009 and FY 2014-15 and FY 2014-15 as per clause No. 22 of RERC Tariff Regulations 2014. Estimated figures of depreciation for FY 2013-14, FY 2014-15 and FY 2015-16 are summarised in table below:

Table 2: Depreciation (Rs. in Crore)

Station	FY 13-14	FY 14-15	FY 15-16
Mahi			
Depreciation	4.20	4.20	4.20

Interest on working Capital

- 3.2 The interest on working capital loan for FY 2013-14 has been computed as per the norms defined under clause No.28 of RERC Tariff regulation 2009 and for FY 2014-15 and FY 2015-16 as per clause No. 27 of RERC tariff regulation 2014. For FY 2013-14, FY 2014-15 and FY 2015-16 the rate of interest on WLC has taken equal to 250 basis points higher than the average Base Rate of State Bank of India prevalent during first six months of the previous year. Estimated figures of Interest on Working Capital Loan is summarised as below:

Table 3: Interest on working Capital (Rs. in Crore)

Station	FY 13-14	FY 14-15	FY 15-16
Mahi			
Interest on Working Capital	0.75	1.29	1.36

Operation & Maintenance Expenses

- 3.3 The Operation & Maintenance Expenses have been computed as per the norms prescribed under Regulation 48 & 47 of RERC Tariff Regulation 2009 & 2014 respectively.
- 3.4 Estimated un-audited Figures for the period FY 2013-14, FY 2014-15 and FY 2015-16 are summarised in table below:

Table 4: O & M Expenses (Rs. in Crore)

Station	FY 13-14	FY 14-15	FY 15-16
Mahi			
Operation and Maintenece	13.12	13.89	14.70

Recovery of ARR & Tariff Petition Fees

- 3.5 The Hon'ble Commission vide order dated 10.03.08 has allowed to pass through the fees levied for filling up of ARR & Tariff Petition, as expenses in the ARR. Accordingly, RVUN has claim the fee as under. The Commission may consider and allow the same.
- 3.6 The ARR & Tariff Petition Fees for FY 2013-14, FY 2014-15 and FY 2015-16 are summarised in table below:

Table 5: Recovery of ARR & Tariff Petition Fees (Rs. in Crore)

Station	FY 13-14	FY 14-15	FY 15-16
Mahi			
Petition Fee	0.07	0.07	0.07

Return on Equity and Tax

- 3.7 GOR (Government of Rajasthan) has made an announcement for ROE in annual budget. Accordingly the BOD of RVUN in its 238th meeting dated 24/07/2014 has approved to claim ROE and vide letter dated 14.08.2014 the Dy. Secretary to Govt. directed RVUN to implement the budget announcement enclosed as annexure A.
- 3.8 In compliance to the above direction of the state government, RVUN has decided to claim the return on equity for the FY 2015-16 along with the MAT (Minimum Alternative Tax) as per Regulation 20 & 29 respectively of Rajasthan Electricity Regulatory Commission (Terms and Conditions for Determination of Tariff) Regulations, 2014.
- 3.9 The Return on Equity (ROE) for FY 2013-14, FY 2014-15 and FY 2015-16 are summarised in Table below:

Table 6: ROE and Tax

Station	FY 13-14	FY 14-15	FY 15-16
Mahi			
ROE	0.00	26.42	26.42
Tax on ROE	0.00	7.00	7.00

Non-Tariff Income

- 3.10 The following are the main head of accounts of Non tariff income:
- Sale of Scrap
 - Interest on FD/ Staff Loans
 - Miscellaneous receipts (rebates etc)

3.11 Estimated figures of Non Tariff Income for FY 2013-14, FY 2014-15 and FY 2015-16 are summarised in table below:

Table 7: Non-Tariff Income (Rs. in Crore)

Station	FY 13-14	FY 14-15	FY 15-16
Mahi			
Non Tariff Income	0.06	0.06	0.07

3.12 As per the RERC Tariff Regulations 2009 and 2014, the non-tariff income has been deducted from the fixed charges computed and only the net fixed charges are to be recovered from the three distribution companies.

A4: MAHI ESTIMATED CAPACITY CHARGES (FIXED)

4.1 The net fixed charges is computed for FY 2013-14, FY 2014-15 and FY 2015-16 in the table below:

Table 8: Net Capacity Charges for MAHI (Rs. in Crore)

Station	FY 13-14	FY 14-15	FY 15-16
Mahi			
Fixed Charge			
O & M Expenses	13.12	13.89	14.70
Depreciation	4.20	4.20	4.20
Return on Equity	0.00	26.42	26.42
RoE	0.00	7.00	7.00
Interest on Working Capital Loans	0.75	1.29	1.36
Recovery of ARR & Tariff Petition Fees	0.07	0.07	0.07
Total Fixed Charge	18.13	52.86	53.75
Less: Non-Tariff Income	0.06	0.06	0.07
Net Fixed Charge	18.07	52.80	53.68

A5: ESTIMATED ARR FOR MAHI

5.1 The recovery of ARR proposed for MAHI is summarised in table below

Table 9: MAHI ARR for MAHI (Rs. in Crores)

Station	FY 13-14	FY 14-15	FY 15-16
Mahi			
Capacity (Fixed Charges)	18.07	52.80	53.68
Variable Cost	0.00	0.00	0.00
Aggregate Revenue Requirement	18.07	52.80	53.68

A6: MAHI ESTIMATED TARIFF

6.1 Total per Unit charge in Rs. / kWh is given in given table below:-

Table 10: MAHI ESTIMTED TARIFF

Station	FY 13-14	FY 14-15	FY 15-16
Mahi			
Ex-Bus Generation (MU)	202.68	224.96	128.70
Capacity(fixed) Charges	18.07	52.80	53.68
Variable Cost	0.00	0.00	0.00
Rate of Fixed Charge(Rs/kWh)	0.892	2.347	4.171
Rate of Variable Charge(Rs/kWh)	0.000	0.000	0.000
Rate of Sale of Energy (Rs/kWh)	0.892	2.347	4.171

A7: RESPONDENTS:-

- 7.1 All the three Discom's (i.e JVVNL/AVVNL/ Jd.VVNL) Jaipur/ Ajmer/ Jodhpur are respondents for the above petition.

A8: PRAYER

RVUN humbly requests the Hon'ble Commission to:

- ◆ Approval of ARR & tariff for FY-2015-16.
- ◆ To allow provisional tariff w.e.f 1.4.15 for FY 2015-16 till final tariff order is issued as proposed in the petition
- ◆ And pass such other further orders as are deemed fit and proper in the facts and circumstances of the case

(M. K. Khandelwal)
Chief Accounts Officer (IA&C)
RVUN, Jaipur.

(P.S. Arya)
Chief Engineer (PPMC & IT)
RVUN, Jaipur.

Form G 1.1

Summary of Tariff Proposal

Name of the Petitioner
Name of the Power Station/Unit :

Rajasthan Rajya Vidhyut Utpadan Nigam Ltd.
Mahi Hydel Power Station

(Rs. Crore)

S.No.	Particulars	Ref.of Form No	FY 2013-14	FY 2014-15			FY 2015-16	Remark
			Actual/Audited	Approved by the Commission	Apr-Sep (Actual)	Oct-March (Estimated)	Anticipated	
1	2	3	4	5	6	7	8	9
1	Capacity (Fixed) Charge							
1.1	Depreciation	6.1	4.20	5.87	2.10	2.10	4.20	
1.2	Interest on term Loan & Transitional Loan	6.2	0.00	0.00	0.00	0.00	0.00	
1.3	Return on Equity	6.9	0.00	0.00	13.21	13.21	26.42	
1.4	Interest on Working Capital	6.11	0.75	0.71	0.64	0.64	1.36	
1.5	O & M Expenses	4.1	13.12	13.89	6.94	6.94	14.70	
1.6	Insurance Charges	6.12	0.00	0.67	0.00	0.00	0.00	
1.7	Tax on ROE	6.13	0.00	NA	3.50	3.50	7.00	
1.9	Recovery of ARR and Tariff Petition Fee		0.07	0.07	0.04	0.04	0.07	
2.1	Less: Non-Tariff income	3.2	0.06	0.32	0.03	0.03	0.07	
	Total (1)- Capacity (Fixed Charges)		18.07	20.90	26.40	26.40	53.68	
2	Total- Energy (variable) charges		0.00	0.00	0.00	0.00	0.00	
3	Units sold to Discoms (MU)		202.68	128.37	113.02	111.94	128.70	
4	Rate of Fixed Charges. (1/3)		0.892	1.628	2.336	2.358	4.171	
5	Rate of Variable Charges.							
5.1	Rate of Energy Charge from Primary Fuel (REC) _p	5.1						
	(i) Coal/ Lignite		0.000	0.000	0.000	0.000	0.000	
	(ii) Imported Coal		0.000	0.000	0.000	0.000	0.000	
	(iii) Any Other fuel							
	Total 2.1							
5.2	Rate of Energy Charge from Secondary Fuel (REC) _s	5.1	0.000	0.000	0.000	0.000	0.000	
5.3	Total-(2) Rate of Energy Charge ex-bus(REC) ^{3A,3B,3C}	5.1	0.892	1.628	2.336	2.358	4.171	

Form G 1.2

Aggregate Revenue Requirement

Name of the Petitioner

Rajasthan Rajya Vidhyut Utpadan Nigam Ltd.

Name of the Power Station/Unit:

Mahi Hydrel Power Station

(Rs. Crore)

S.No.	Particulars	Reference Form	FY 2013-14	FY 2014-15			FY 2015-16	Remarks
			Actual/Audited	Approved by the Commission	Apr-Sep (Actual)	Oct-March (Estimated)	Anticipated	
1	2	3	4	5	6	7	8	9
A	Receipts							
1	Revenue from Sale of Power (Tariff income)	3.1	18.07	20.44	26.40	26.40	53.68	
2	Non Tariff income		0.06	0.00	0.03	0.03	0.07	
3	Revenue Subsidies, Grants & Subvention from State Govt.							
	Total- (A)		18.13	20.44	26.43	26.43	53.75	
B	Expenditure							
1	Variable Costs, including Fuel Cost	5.1	0.00	0.00	0.00	0.00	0.00	
2	Depreciation	6.1	4.20	5.87	2.10	2.10	4.20	
3	Interest on term Loan & Finance charges	6.2	0.00	0.00	0.00	0.00	0.00	
4	Return on Equity	6.9	0.00	0.00	13.21	13.21	26.42	
5	Tax on ROE	6.15	0.00	0.00	3.50	3.50	7.00	
6	Interest on Working Capital	6.11	0.75	0.71	0.64	0.64	1.36	
7	O & M Expenses	4.1	13.12	13.12	6.94	6.94	14.70	
8	Insurance Charges	6.14	0.00	0.67	0.00	0.00	0.00	
9	Recovery of ARR and Tariff Petition Fee		0.07	0.07	0.04	0.04	0.07	
C	Total- (B) Expenditure		18.13	20.44	26.43	26.43	53.75	
D	A.R.R. (C-A.2)		18.07	20.44	26.40	26.40	53.68	

Plant Characteristics

Name of the Petitioner	Rajasthan Rajya Vidut Utpadan Nigam Limited, Jaipur (Raj.)
Name of the Power Station/Unit:	Mahi Hydel

Basic characteristics of the plant ¹	Hydel Power Station						
<u>Special Features of the Plant</u>							
Site Specific Features ²	Canal Based Power Station						
Special Technological Features ³	Semi Kaplan (Horizontal)						
Environmental Regulation related features ⁴							
Any other special features							
Fuel Details ⁵	Primary Fuel		Secondary Fuel		Alternate Fuels		
Details	Unit number						
	1	2	3	4			
	Unit 1	Unit 2	Unit 3	Unit 4			
Installed Capacity (IC)	25 MW	25 MW	45 MW	*			
Date of Commercial Operation (COD)	22.1.1986	6.2.1986	15.2.1989	17.9.1989			
Type of cooling system ⁶							
Type of Boiler Feed Pump ⁷							
Pressure (kg/cm ²)							
Temperature 0C							
-At Superheater Outlet							
-At Reheater Outlet							
Turbine Cycle heat Rate(Kcal/ Kwh)							
Boiler Efficiency (%)							
Guaranteed Design Heat rate (kCal/kWh) _s							
Conditions on which guaranteed							
% MCR							
% Makeup							
Design Fuel							
Design cooling water Temperature							
Back Pressure							

Operational Parameters - Generation

Name of the Petitioner

Rajasthan Rajya Vidhyut Utpadan Nigam Ltd.

Name of the Station/Unit:

Mahi Hydel Power Station

S. No.	Particulars	Units	FY 2013-14	FY 2014-15			FY 2015-16	Remarks
			Audited/Actual	Approved by the Commission	Apr-Sep (Actual)	Oct-March (Estimated)	Anticipated	
1	2	3	4	5	6	7	8	9
1	Operational Parameters - Hydel							
1.1	Total Capacity	MW	140	0	140	140	140	
1.2	Capacity Index	%	-	-	-	-	90.00%	
1.3	Design Energy	MU	16.65%	0.00%	18.52%	18.52%	10.60%	
1.4	Gross Generation	MU	204.20	0.00	113.88	113.25	130.00	
1.5	Auxiliary Energy Consumption	%	0.74%	0.00%	0.75%	1.16%	1.00%	
1.6	Auxiliary Energy Consumption	MU	1.511	0.000	0.854	1.314	1.300	
1.7	Net Generation	MU	202.68	0.00	113.02	111.94	128.70	
2	Operational Parameters - Thermal							

Revenue from Sale of Power

Name of the Company
Name of the Power Station :

Rajasthan Rajya Vidhyut Utpadan Nigam Ltd.
Mahi Hydel Power Station

Year 2013-14

Rs. Crore

S.No.	Particulars	Allocation (in %)/contract demand	Unit Sold (M.U.)	% of total Unit Sold	Demand/fix ed Charges @	Energy Charges @	Others, if any	Total (6+7+8)	Average' rate/kWh (paisa/kWh)	Remarks
1	2	3	4	5	6	7	8	9	10	11
A)	Revenue from sale of Electricity(as per approved tariff)									
1	Dist.Licensee/trader/ consumers									
(a)	JVVNL		79.05	39.0%	7.04722883	0.0		7.05	89.15	
(b)	AVVNL		58.78	29.0%	5.24024708	0.0		5.24	89.15	
(c)	JDVVNL		64.86	32.0%	5.7823416	0.0		5.78	89.15	
2	Other recoveries									
3	Gross Revenue From Sale of Power				18.0698175	0.00				
6	Net revenue		202.68		18.07	0.00		18.07		

Year 2014-15

Rs. Crore

S.No.	Particulars	Allocation (in %)/contract demand	Unit Sold	% of total	Demand/fix ed	Energy	Others, if any	Total (6+7+8)	Average'	Remarks
1	2	3	4	5	6	7	8	9	10	11
A)	Revenue from sale of Electricity(as per approved tariff)									
1	Dist.Licensee/trader/ consumers									
(a)	JVVNL		89.98	40.0%	21.1192707	0.0		21.12	234.70	
(b)	AVVNL		62.99	28.0%	14.7834895	0.0		14.78	234.70	
(c)	JDVVNL		71.99	32.0%	16.8954166	0.0		16.90	234.70	
2	Other recoveries									
3	Gross Revenue From Sale of Power				52.7981768	0.00				
6	Net revenue		224.96		52.80	0.00		52.80		

Year 2015-16

Rs. Crore

S.No.	Particulars	Allocation (in %)/contract demand	Unit Sold (M.U.)	% of total Unit Sold	Demand/fix ed Charges @	Energy Charges @	Others, if any	Total (6+7+8)	Average' rate/kWh (paisa/kWh)	Remarks
1	2	3	4	5	6	7	8	9	10	11
A)	Revenue from sale of Electricity(as per approved tariff)									
1	Dist.Licensee/trader/ consumers									
(a)	JVVNL		51.48	40.0%	21.4723804	0.0		21.47	417.11	
(b)	AVVNL		36.04	28.0%	15.0306663	0.0		15.03	417.11	
(c)	JDVVNL		41.18	32.0%	17.1779043	0.0		17.18	417.11	
2	Other recoveries									
3	Gross Revenue From Sale of Power				53.680951	0.00				
6	Net revenue		128.70		53.68	0.00		53.68		

NON-TARIFF INCOME

Name of the Petitioner

Rajasthan Rajya Vidhyut Utpadan Nigam Ltd.

Name of the Power Station/ Unit:

Mahi Hydel Power Station

Rs. Crore

S.No	Particulars	FY 2013-14	FY 2014-15		FY 2015-16	Remarks	
		(Actuals/audited)	Approved by the Commission	Apr-Sep (Actual)	Oct-March (Estimated)		(Anticipated)
1	2	3	4	5	6	7	8
	Non-tariff income						
x.	Income from advertisement	0.00	0.00	0.00	0.00	0.00	
xi.	Other miscellaneous receipts	0.06	0.00	0.03	0.03	0.07	
	Total non-tariff income	0.06	0.00	0.03	0.03	0.07	

REVENUE SUBSIDIES & GRANTS

Name of the Petitioner:

Rajasthan Rajya Vidhyut Utpadan Nigam Ltd.

Name of the Power Station/Unit :

Mahi Hydel Power Station

S. No.	Particulars	Previous year (n-1)	Current Year (n)			Ensuing Year (n+1)	Remarks
		(Actuals/audited)	Approved by the Commission	Apr-Sep (Actual)	Estimated for the year	(Anticipated)	
1	2	3	4	5	6	7	8
A)	Revenue Subsidies & Grants	N.A.					
1	Subvention from State Government towards sale of electricity						
2	State Govt. Grant against addl. Intt. Liability on Company						
3	Any Other item						
	Total						

Capital Subsidies and Grants

Name of the Petitioner:
Name of the Power Station/Unit :

Rajasthan Rajya Vidhyut Utpadan Nigam Ltd.
Mahi Hydrel Power Station

Rs. Crore							
S. No.	Particulars	Previous year	Current Year			Ensuing Year (n+1)	Remarks
		(Actuals / audited)	Approved by the Commission	Apr-Sep (Actual)	Estimated for the year	(Anticipated)	
1	2	3	4	5	6	7	8
A	Capital Cost						
	Subsidy towards cost of Capitals Asset						
	Grant towards cost of Capitals Assets				N.A		
	Receipts from State Govt. under any scheme as grant/subsidy						
	Total						

Form G 4.1

O&M Expenses

Name of the Petitioner:

Rajasthan Rajya Vidhyut Utpadan Nigam Ltd.

Name of the Station/Unit:

Mahi Hydel Power Station

(Rs. Crore)

S.No.	Particulars	FY 2013-14	FY 2014-15			FY 2015-16
		(Actuals/audited)	Approved by the Commission	Apr-Sep (Actual)	Oct-March (Estimated)	(Anticipated)
1	2	3	4	5	6	7
1	O&M Expense norms (Rs. per MW)					0.1050032
2	Total Capacity in MW					140
3	O&M expense					14.70
4	Special O&M expense for Water pipe lines>50 km					
a	Details of Water pumping Stations beyond 50 K.M. from Water intake point					
b	Pumping Station No.1 :-					
b.1	Power consumption Cost					
b.2	Repair / Maintenance / Employee / other Cost					
b.3	Sub total (b)					
c	Pumping Station No.2 :-					
	and so on					
d	Total (4) Special O&M Expenses					
5	Totsl O&M expenses	13.12	13.12	6.94	6.94	14.70

Details/Information in respect of Fuel for Computation of Energy Charges¹

Name of the Petitioner:

Rajasthan Rajya Vidhyut Utpadan Nigam Ltd.

Name of the Power Station/unit:

Mahi Hydel Power Station

S.No	Particulars	Unit	For preceeding 3rd Month		For preceeding 2nd Month		For preceeding 1st month		Average for # Months	
			Domestic coal	Imported coal	Domestic coal	Imported coal	Domestic coal	Imported coal	Domestic coal	Imported coal
1	2	3	4	5	6	7			8	9
1	Quantity of coal/lignite in stock at the beginning of the month	(MMT)								
2	Quantity of Coal/Lignite supplied by Coal/Lignite Company	(MMT)								
3	Adjustment (+/-) in quantity supplied made by Coal/Lignite Company for diversion of wagons etc.	(MMT)								
4	Coal supplied by Coal/Lignite Company (2+3)	(MMT)								
5	Normative Transit & Handling Losses (For coal/Lignite based Projects)	(MMT)								
6	Net coal / Lignite Supplied (4-5)	(MMT)								
7	Total coal (Receipts & Opening Stock) (1)+(6)	(MMT)								
8	Coal/lignite burnt/consumed	(MMT)								
9	Coal/lignite in stock at the end of the month (7)-(8)	(MMT)								
10	Value of coal/lignite in stock	(Rs.)								
11	Amount charged by the Coal /Lignite Company	(Rs.)								
12	Adjustment (+/-) in amount charged made by Coal/Lignite Company	(Rs.)								
13	Total amount Charged (11+12)	(Rs.)								
14	Transportation charges by rail/ship/road transport	(Rs.)								
15	Adjustment (+/-) in amount charged made by Railways/Transport Company	(Rs.)								
16	Demurrage Charges, if any	(Rs.)								
17	Cost of diesel in transporting coal through MGR system, if applicable	(Rs.)								
18	Total Transportation Charges (14+15+16+17)	(Rs.)								
19	Total amount Charged for coal/lignite supplied including Transportation (13+18)	(Rs.)								
20	Average cost of coal/lignite (Opening stock + receipts) (19/7)	(Rs/MMT)								
21	Cost of coal in stock at the end of the month (20)x(9)	(Rs.)								
22	Weighted average GCV of coal/ Lignite as Received	(kCal/Kg)								
22	Weighted average GCV of coal/ Lignite as fired	(kCal/Kg)								
23	Weighted average Sulphur content	(%)								

NA

Note:

¹ Similar details to be furnished for each kind of fuel such as coal/ lignite/ imported coal, secondary fuel oil for coal/lignite based thermal plants and natural gas/ liquid fuel for CCGT station.

2. The information should be furnished for immediately preceding 3 months from the month filing of the petition.

Energy Charges for Thermal Generation

Name of the Petitioner:

Rajasthan Rajya Vidhyut Utpadan Nigam Ltd.

Name of the Power Station/Unit:

Mahi Hydel Power Station

S.No.	Particulars	Units	FY 2013-14	FY 2014-15			FY 2015-16	Remarks
			April-March (Audited)	Approved by the Commission	Apr-Sep (Actual)	Oct-March (Estimated)	Anticipated	
1	2	3	4	5	6	7	8	9
1	Operational Parameters							
1.1	Total Capacity	MW	140		140	140	140	
1.2	Capacity Index	%	46.82%		49.95%	49.95%	35.00%	
1.3	Design Energy	MU	288.66		144.33	144.33	288.66	
1.4	Availability	%					90.00%	
1.5	PLF	%	16.65%		18.52%	18.52%	10.60%	
1.6	Gross Generation	MU	204.20		113.88	113.25	130.00	
1.7	Auxiliary Energy Consumption	%	0.74%		0.75%	1.16%	1.00%	
1.8	Auxiliary Energy Consumption	MU	1.51		0.85	1.31	1.30	
1.9	Net Generation	MU	202.68		113.02	111.94	128.70	

Fixed assets & provisions for depreciation

Name of the Petitioner Rajasthan Rajya Vidhyut Utpadan Nigam Ltd.
Name of the Power Station : Mahi Hydel Power Station

S. No.	Particular	Rate of depreciation %	Gross fixed assets				Provisions for depreciation				(Figures in Rs Crore)	
			At the beginning of the year	Additions during the year	Adjustment & deductons	At the end of the year	Cumulative upto the beginning of the year	Additions during the year	Adjustment during the year	Cumulative at the end of the year	Net fixed assets at the beginning of the year	Net Fixed Asset at the end of the year
			4	5	6	7	8	9	10	11	12	13
1	Land & land rights	Nil	0.680	0.000	0.000	0.680	0.046	0.000	0.000	0.046	0.63	0.63
1A	Building & Civil works of Power plant	3.34	29.784	0.000	0.000	29.784	21.894	0.58	0.000	22.474	7.89	7.31
2	Hydraulic works	5.28	94.668	0.000	0.000	94.668	63.705	2.54	0.000	66.247	30.96	28.42
3	Other Civil works	3.34	0.883	0.000	0.000	0.883	0.790	0.00	0.000	0.790	0.09	0.09
4	Plant & machinery	5.28	54.991	0.000	0.000	54.991	40.112	1.07	0.000	41.183	14.88	13.81
5	Lines and Cable Networks	5.28	20.592	0.000	0.000	20.592	18.530	0.00	0.000	18.530	2.06	2.06
6	Vehicles	6.33	0.378	0.000	0.000	0.378	0.340	0.00	0.000	0.340	0.04	0.04
7	Furniture & fixtures	6.33	0.110	0.000	0.000	0.110	0.066	0.00	0.000	0.068	0.04	0.04
8	Office Equipments	6.33	0.038	0.000	0.000	0.038	0.014	0.00	0.000	0.015	0.02	0.02
9	Capital spares	5.28	0.000	0.000	0.000	0.000	0.000	0.00	0.000	0.000	0.00	0.00
	Total (1) to (11)		202.12	0.00	0.00	202.12	145.50	4.20	0.00	149.69	56.63	52.43

S. No.	Particular	Rate of depreciation %	Gross fixed assets				Provisions for depreciation				(Figures in Rs Crore)	
			At the beginning of the year	Additions during the year	Adjustment & deductons	At the end of the year	Cumulative upto the beginning of the year	Additions during the year	Adjustment during the year	Cumulative at the end of the year	Net fixed assets at the beginning of the year	Net Fixed Asset at the end of the year
			4	5	6	7	8	9	10	11	12	13
1	Land & land rights	Nil	0.68	0.00	0.00	0.680	0.046	0.00	0.00	0.046	0.63	0.63
1A	Building & Civil works of Power plant	3.34	29.78	0.00	0.00	29.784	22.474	0.58	0.00	23.054	7.31	6.73
2	Hydraulic works	5.28	94.67	0.00	0.00	94.668	66.247	2.54	0.00	68.790	28.42	25.88
3	Other Civil works	3.34	0.88	0.00	0.00	0.883	0.790	0.00	0.00	0.790	0.09	0.09
4	Plant & machinery	5.28	54.99	0.00	0.00	54.991	41.183	1.07	0.00	42.253	13.81	12.74
5	Lines and Cable Networks	5.28	20.59	0.00	0.00	20.592	18.530	0.00	0.00	18.530	2.06	2.06
6	Vehicles	6.33	0.38	0.00	0.00	0.378	0.340	0.00	0.00	0.340	0.04	0.04
7	Furniture & fixtures	6.33	0.11	0.00	0.00	0.110	0.068	0.00	0.00	0.071	0.04	0.04
8	Office Equipments	6.33	0.04	0.00	0.00	0.038	0.015	0.00	0.00	0.017	0.02	0.02
9	Capital spares	5.28	0.00	0.00	0.00	0.000	0.000	0.00	0.00	0.000	0.00	0.00
	Total (1) to (11)		202.12	0.00	0.00	202.12	149.69	4.20	0.00	153.89	52.43	48.23

S. No.	Particular	Rate of depreciation %	Gross fixed assets				Provisions for depreciation				(Figures in Rs Crore)	
			At the beginning of the year	Additions during the year	Adjustment & deductons	At the end of the year	Cumulative upto the beginning of the year	Additions during the year	Adjustment during the year	Cumulative at the end of the year	Net fixed assets at the beginning of the year	Net Fixed Asset at the end of the year
			4	5	6	7	8	9	10	11	12	13
1	Land & land rights	Nil	0.68	0.00	0.00	0.680	0.046	0.00	0.00	0.046	0.63	0.63
1A	Building & Civil works of Power plant	3.34	29.78	0.00	0.00	29.784	23.054	0.58	0.00	23.633	6.73	6.15
2	Hydraulic works	5.28	94.67	0.00	0.00	94.668	68.790	2.54	0.00	71.332	25.88	23.34
3	Other Civil works	3.34	0.88	0.00	0.00	0.883	0.790	0.00	0.00	0.790	0.09	0.09
4	Plant & machinery	5.28	54.99	0.00	0.00	54.991	42.253	1.07	0.00	43.324	12.74	11.67
5	Lines and Cable Networks	5.28	20.59	0.00	0.00	20.592	18.530	0.00	0.00	18.530	2.06	2.06
6	Vehicles	6.33	0.38	0.00	0.00	0.378	0.340	0.00	0.00	0.340	0.04	0.04
7	Furniture & fixtures	6.33	0.11	0.00	0.00	0.110	0.071	0.00	0.00	0.073	0.04	0.04
8	Office Equipments	6.33	0.04	0.00	0.00	0.038	0.017	0.00	0.00	0.019	0.02	0.02
9	Capital spares	5.28	0.00	0.00	0.00	0.000	0.000	0.00	0.00	0.000	0.00	0.00
	Total (1) to (11)		202.12	0.00	0.00	202.12	153.89	4.20	0.00	158.09	48.23	44.04

LOAN REPAYMENT & INTREST LIABILITY

Name of the Petitioner

Rajasthan Rajya Vidhyut Utpadan Nigam Ltd.

Name of the Power Station :

Mahi Hydel Power Station

Year (2013-14)										
S. No.	Source (loan)	Currency	Opening Balance	Anticipated Receipts	Anticipated Repayment	Interest rate		Closing Balance	Average Rate of Interest#	Liability of Interest during the year
						Fixed	Floating			
						6	7			
1	2	2A	3	4	5	6	7	8	9	10
1	Term Loan + Transitional Loan	Indian	0.00	0.00	0.00			0.00		0.00
	Total (for Station)		0.00	0.00	0.00			0.00		0.00

Year (2014-15)										
S. No.	Source (loan)	Currency	Opening Balance	Anticipated Receipts	Anticipated Repayment	Interest rate		Closing Balance	Average Rate of Interest#	Liability of Interest during the year
						Fixed	Floating			
						6	7			
1	2	2A	3	4	5	6	7	8	9	10
1	Term Loan + Transitional Loan	Indian	0.00	0.00	0.00			0.00		0.00
2	Finance changes									
	Total (for Station)		0.00	0.00	0.00			0.00		0.00

Year (2015-16)										
S. No.	Source (loan)	Currency	Opening Balance	Anticipated Receipts	Anticipated Repayment	Interest rate		Closing Balance	Average Rate of Interest#	Liability of Interest during the year
						Fixed	Floating			
						6	7			
1	2	2A	3	4	5	6	7	8	9	10
1	Term Loan + Transitional Loan	Indian	0.00	0.00	0.00			0.00		0.00
	Total (for Station)		0.00	0.00	0.00			0.00		0.00

Details of Project Specific Loans

Name of the Petitioner
Name of the Power Station
Commercial Operation Date

Rajasthan Rajya Vidhyut Utpadan Nigam Ltd.
Mahi Hydrel Power Station

Particulars	Year (n-1)*						Rs. Crore
	Package1	Package2	Package3	Package4	Package5	Package6	
1	2	3	4	5	6	7	
Source of Loan ¹	NA						
Currency ²	NA						
Amount of Loan sanctioned	NA						
Amount of Gross Loan drawn upto previos year/during current/ensuing year / COD <small>3,4,5,13,15</small>	NA						
Interest Type ⁶	NA						
Fixed Interest Rate, if applicable	NA						
Base Rate, if Floating Interest ⁷	NA						
Margin, if Floating Interest ⁸	Yes/No	Yes/No	Yes/No	Yes/No	Yes/No	Yes/No	Yes/No
Are there any Caps/Floor ⁹	NA						
If above is yes,specify caps/floor	NA						
Moratorium Period ¹⁰	NA						
Moratorium effective from	NA						
Repayment Period ¹¹	NA						
Repayment effective from	NA						
Repayment Frequency ¹²	NA						
Repayment Instalment ^{13,14}	NA						
Base Exchange Rate ¹⁶	NA						

Consolidated report on additions to Fixed Assets during the year

Name of the Petitioner
Name of the Power Station :

Rajasthan Raja Vidhyut Utpadan Nigam Ltd.
Mahi Hydel Power Station

(Rs. in crores)

S.No.	Asset Description	Asset Code	Previous year (n-1)							Current Year (n)							Current Year (n+1)						
			(Actuals/audited)							(Actuals & Anticipated)							(Anticipated)						
			Cost	Interest	Finance Charges	Pre-Operative expenses	Exchange fluctuations	Total	Date of commissioning	Cost	Interest	Finance Charges	Pre-Operative expenses	Exchange fluctuations	Total	Date of commissioning	Cost	Interest	Finance Charges	Pre-Operative expenses	Exchange fluctuations	Total	Date of commissioning
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	11	12	13	14	15	16	17
1	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL
	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL
	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL
	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL
	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL
	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL
	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL
	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL
	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL
	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL

Form G 6.5

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

Name of the Petitioner : **Rajasthan Rajya Vidhyut Utpadan Nigam Ltd.**
 Name of the Power Station : **Mahi Hydel Power Station**
 New Projects
 Capital Cost Estimates

Board of Director/ Agency approving the Capital cost estimates:							
Date of approval of the Capital cost estimates:							
	Present Day Cost			Completed Cost			
Price level of approved estimates	As of End of _____ Qtr. Of the year _____			As on Scheduled COD of the Station			
Foreign Exchange rate considered for the Capital cost estimates	NA	NA	NA	NA	NA	NA	NA
Capital Cost excluding IDC & FC	NA	NA	NA	NA	NA	NA	NA
Foreign Component, if any (In Million US \$ or the relevant Currency)	NA	NA	NA	NA	NA	NA	NA
Domestic Component (Rs. Cr.)	NA	NA	NA	NA	NA	NA	NA
Capital cost excluding IDC & FC (Rs. Cr)	NA	NA	NA	NA	NA	NA	NA
IDC & FC	NA	NA	NA	NA	NA	NA	NA
Foreign Component, if any (In Million US \$ or the relevant Currency)	NA	NA	NA	NA	NA	NA	NA
Domestic Component (Rs. Cr.)	NA	NA	NA	NA	NA	NA	NA
Total IDC & FC (Rs.Cr.)	NA	NA	NA	NA	NA	NA	NA
Rate of taxes & duties considered	NA	NA	NA	NA	NA	NA	NA
Capital cost Including IDC & FC	NA	NA	NA	NA	NA	NA	NA
Foreign Component, if any (In Million US \$ or the relevant Currency)	NA	NA	NA	NA	NA	NA	NA
Domestic Component (Rs. Cr.)	NA	NA	NA	NA	NA	NA	NA
Capital cost Including IDC & FC (Rs. Cr)	NA	NA	NA	NA	NA	NA	NA
Schedule of Commissioning	NA	NA	NA	NA	NA	NA	NA
COD of Unit-I/Block-I	NA	NA	NA	NA	NA	NA	NA
COD of Unit-II/Block-II	NA	NA	NA	NA	NA	NA	NA
-----	NA	NA	NA	NA	NA	NA	NA
-----	NA	NA	NA	NA	NA	NA	NA
COD of last Unit/Block	NA	NA	NA	NA	NA	NA	NA

Break-up of Capital Cost for Coal / Lignite / gas / liquid fuel based projects

Name of the Petitioner:

Rajasthan Rajya Vidhyut Utpadan Nigam Ltd.

Name of the Power Station :

Mahi Hydel Power Station

Rs. Crore.

S.No.	Break Down	Cost in Rs. Crores			Variation (Rs. Cr.)	Reasons for Variation	Admitted Cost (Rs. Cr.)
		As per original Estimates	Actual Expenditure as on COD	Liabilities/Provisions			
1	2	3	4	5	6	7	8
1.0	Land & Site Development						
2.0	Access road						
3.0	Temporary construction and enabling works						
4	Water storage system						
5.0	Water transportation system						
6.0	Railway system						
7.0	Steam generator / Boiler Island						
8.0	Steam Turbine Generator island including taxes, duties etc.						
9.0	Balance of Plant						
10.0	Control and Instrumentation						
11.0	Operator Training						
12.0	Start up fuel						
13.0	Construction insurance						
14.0	Special T&P						
15.0	Total Cost of Works (sum of items 1 to 15 above)						
16.0	Overheads						
17.0	Capital cost excluding IDC & FC						
18	Interest During Construction (IDC)						
19	Financing Charges (FC)						
20.0	Capital cost including IDC & FC						
21	Cost per MW						

NA

Break-up of Construction / Supply / Service packages

Name of the Petitioner : Rajasthan Rajya Vidhyut Utpadan Nigam Ltd.
 Name of the Power Station : Mahi Hydrel Power Station

S.No.	Name/No. of Construction / Supply / Service Package	Scope of works ¹ (in line with head of cost break-ups as applicable)	Whether awarded through ICB/DCB/ Deptamentally/ Deposit Work	No. of bids received	Date of Award	Date of Start of work	Date of Completion of Work	Value of Award ² in (Rs. Cr.)	Firm or With Escalation in prices	Actual expenditure till the completion or up to COD whichever is earlier(Rs.Cr.)	Taxes & Duties and Pre-operative Expenses	IDC, FC, FERV & Hedging cost	Variation (Rs.Cr.)	Variation on account of change in Price (Rs. Cr.)	Reason for change in Price	Variation on account of change in Scope of Work (Rs. Cr.)	Reason for Change in Scope of Work
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
1																	
	NA																

Draw Down Schedule for Calculation of IDC & Financing Charges (year wise from commencement of works to COD)

Name of the Petitioner:

Rajasthan Rajya Vidhyut Utpadan Nigam Ltd.

Name of the Power Station

Mahi Hydrel Power Station

Rs. Crore

S.No.	Draw Down Particulars	Quarter 1			Quarter 2			Quarter 3			Quarter 4		
		Quantum in Foreign currency	Exchange Rate on draw down date	Amount in Indian Rupee	Quantum in Foreign currency	Exchange Rate on draw down date	Amount in Indian Rupee	Quantum in Foreign currency	Exchange Rate on draw down date	Amount in Indian Rupee	Quantum in Foreign currency	Exchange Rate on draw down date	Amount in Indian Rupee
1	2	3	4	5	6	7	8	9	10	11	12	13	14
1	Loans												
1.1	Foreign Loans												
1.1	Total Foreign Loans												
	Draw down Amount												
	IDC												
	Financing charges												
1.2	Indian Loans												
1	Total of Loans drawn												
	IDC												
	Financing charges												
2	Equity												
2.1	Foreign equity drawn												
2.2	Indian equity drawn												
	Total equity deployed												

NA

RETURN ON EQUITY

Name of the Petitioner: Rajasthan Rajya Vidhyut Utpadan Nigam Ltd.
 Name of the Power Station : Mahi Hydrel Power Station

Rs. Crore

S.No.	Particulars	Reference	Previous year (n-1)	Current Year (n)			Ensuing Year (n+1)	Remarks
			(Actuals/audited)	Approved by the Commission	Apr-Sep (Actual)	Estimated for the year	(Anticipated)	
1	2	3	4	5	6	7 = 5+6	8	9
1	Equity at the beginning of the year					170.42	170.42	
2	Capitalisation					0	0	
3	Equity portion of capitalisation					0	0	
4	Equity at the end of the year					170.42	170.42	
	Return Computation							
5	Return on Equity at the beginning of the year	15.50%*(1)				26.42	26.42	
6	Return on Equity portion of capitalisation (on pro-rata basis)	15.5%*(3)/(n/12)				0.00	0.00	
7	Total Return on Equity	(5)+(6)				26.42	26.42	

Interest on Working Capital

Name of the Petitioner
Name of the Power Station

Rajasthan Rajya Vidhyut Utpadan Nigam Ltd.
Mahi Hydel Power Station

Rs. Crore

S. No.	Particulars		FY 2013-14	FY 2014-15			FY 2015-16	Remarks
			(Actuals / audited)	Approved by the Commission	Apr-Sep (Actual)	Oct-March (Estimated)	(Anticipated)	
1	2		3	4	5	6 = 4+5	7	8
1	Coal Cost (Non pit head)	1½ Month	NA	NA	NA	NA	NA	
2	Coal Cost (Pit head)	Half month	NA	NA	NA	NA	NA	
3	Cost of Gas	Half month	NA	NA	NA	NA	NA	
4	Sec.Fuel Oil	Two month	NA	NA	NA	NA	NA	
5	Liquid Fuel Stock	Half month	NA	NA	NA	NA	NA	
6	O & M expenses	One month	1.09		0.58	0.58	1.23	
	Maintenance Spares	20% of O&M	2.62		1.39	1.39	2.94	
	Receivables	1½ Month	2.26		3.30	3.30	6.71	
	Total Working Capital		5.98		5.27	5.27	10.88	
	Rate of Interest (as per norms)		12.48%		12.21%	12.21%	12.50%	
	Interest on Working Capital		0.75	0.72	0.64	0.64	1.36	

Form G 6.12

Insurance Expenses

Name of the Petitioner: Rajasthan Rajya Vidhyut Utpadan Nigam Ltd.
 Name of the Power Station : Mahi Hydrel Power Station

Rs. Crore

S. No.	Particulars	Previous Year	Current Year (n)			Ensuing Year	Remarks
		2013-14	2014-15			2015-16	
		(Actuals/audited)	Approved by the Commission	Apr-Sep (Actual)	Oct-March (Estimated)	(Anticipated)	
1	2	4	5	6	7	8	9
	Insurance Expenses	0		0	0	0	
a)	Provision made/ proposed for the year						
b)	Actual insurance expenses incurred						
c)	Average Net Fixed Assets	54.53		50.33	50.33	46.13	

Tax on R.O.E.

Name of the Petitioner:

Rajasthan Rajya Vidhyut Utpadan Nigam Ltd.

Name of the Power Station :

Mahi Hydel Power Station

Rs.

S. No.	Particulars	Previous Year (n-1)	Current Year (n)	Ensuing Year(n+1)	Remarks
		(Actuals/audited)	Actual/ Estimated	Proposed to be recovered	
1	2	3	4	5	6
A)	Advance Tax assessed & deposited on-----				
a)	for Quarter I & deposited on 15 th June.				
b)	for Quarter II & deposited on 15 th Sept.				
c)	for Quarter III & deposited on 15 th Dec.				
d)	for Quarter IV & deposited on 15 th March.				
	Total---(A)		7.00	7.00	
B)	Deffered tax liability before 01.04.2009				

Form G 7.1

Proposed improvement in performance

Name of the Petitioner

Rajasthan Rajya Vidhyut Utpadan Nigam Ltd.

Name of the Power Station :

Mahi Hydel Power Station

Rs. Crore

S.No	Particulars	Previous year	Current year			MYT Control Period					Remarks	
		FY 2013-14	FY 2014-15			FY 2015-16	n+2	n+3	n+4	n+5		
		(Actuals / audited)	Apr-Sep (Actual)	Oct-Mar (Estimated)	Total (April - March)	(Anticipated)						
1	2	3	4	5	6 = 4+5	7	8	9	10	11	12	
1	Plant load factor	16.65%	18.52%	18.52%		10.60%						
2	Auxiliary consumption	0.74%	0.75%	1.16%		1.00%						
3	Specific fuel consumption											
(I)	coal, kg / kWh											
ii)	gas, SCM / kWh											
(iii)	oil, ml / kwh											
(iv)	Limestone kg / kWh											
(v)	any other fuel											
4	Station heat rate, kcal / kwh											
5	Annual Maitenance shut down days											
6	Forced / planned shut down except annual shut down											
(I)	number / year											
(ii)	cumulative duration, hours / year											
7	Fly ash utilisation, %	100%	100%	100%		100%						
8	Other bye product utilisation(give list)											
9	Outstanding dues, days of receivables											
10	Availability	0.00%	0.00%	0.00%		90.00%						

Note:-1. Remarks to indicate manner in which performance parameters reflected in the tariff proposal

2.list is illustrative