

**Petition for
Aggregate Revenue Requirement (ARR) and Tariff
For FY 2018-19
For
Suratgarh Super Thermal Power Station (STPS)
Unit (1 to 6)**

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

January-2018

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Definitions

Act	The Electricity Act, 2003
Application	This ARR and Tariff Petition for FY-2018-19 for Suratgarh Thermal 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 (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
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Ajmer Discom	Ajmer Vidyut Vitran Nigam Limited
CSR	Corporate Social Responsibility
FRP	Financial Restructuring Plan
FY	Financial Year
FY – 17	Financial Year 2016-17
FY – 18	Financial Year 2017-18
FY – 19	Financial Year 2018-19
GCV	Gross Calorific Value
GFA	Gross Fixed Assets
GoI	Government of India
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
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

Notes:

In this Petition:

All currency figures used in this Application, unless specifically stated otherwise, are in Rs Crores.

Capacity figures used in this Application, unless specifically stated otherwise, are in Megawatt (MW).

All energy unit figures used in this Application, unless specifically stated otherwise, are in Million Units (MU).

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, 18.05.2010 and further supplementary PPA was signed on date 29.06.2015 which includes STPS Unit 1 to 6 (1500MW).
- 1.3 RVUN have to file its petition for determination of Tariff and ARR Petition for 2018-19 in accordance with provision of RERC Tariff Regulation 2014. Accordingly this petition is being submitted for STPS (unit 1 to 6) for FY 2018-19 before RERC for Tariff and ARR determination.

A2: GENERATION FORECAST

- 1.4 The installed capacity of STPS (Unit-1 to 6) is 1500 MW. The estimated figures of Gross generation, PLF & net energy sale to three Discoms from STPS station of RVUN for the period FY 2016-17, FY 2017-18 and FY 2018-19 are as shown in table below:

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

Particular	FY 16-17	FY 17-18	FY 18-19
STPS	Unit 1-6	Unit 1-6	Unit 1-6
Capacity (MW)	1500.00	1500.00	1500.00
PLF (%)	33.65%	68.11%	82.00%
Gross generation (MU)	4,474.71	7,071.98	10,774.80
Aux Cons. (MU)	451.43	667.28	969.73
Aux Cons. (%)	10.09%	9.37%	9.00%
Net Generation (MU)	4,023.28	6,404.70	9,805.07

- 1.5 The fixed cost elements are detailed hereunder for STPS for the FY 2016-17, FY 2017-18 and FY 2018-19 are as below.

FIXED CHARGES

A3: STPS (UNIT 1 TO 6) ANNUAL CAPACITY (FIXED) CHARGES FOR 2018-19

Depreciation:-

- 1.6 Unit 1-5: For the purpose of computation of depreciation, RVUN has considered approved capital cost as per RERC order dated 20.06.2017. Accordingly, the opening capital cost of STPS has been considered as Rs.4230.70 crore for FY 2016-17.
- 1.7 Similarly, as per aforesaid true up order of FY 2015-16, the approved capital cost of STPS Unit 6 as on 01.04.2016 has been considered as Rs. 1026.78 Crore.
- 1.8 Further during FY 2016-17 RVUN has incurred the additional capitalization of Rs. 4.30 crore under unit 1-5. The major work is covered under RERC approved scheme.
- 1.9 The detail of additional capitalization is as given below:

S.No.	Particulars	Amount (Cr.)	PO. No. and date	Date completion	of	RERC order dated
1	Plant and Machinery	3.68	D-130 dated 29.7.13	06.09.2016		31.10.12
2	Plant and Machinery	0.62	D-575 dated 01.08.13	06.09.2016		31.10.12
3	Office Equipment	.002	D-629 dated 01.08.16	04.08.2016		Not approved

- 1.10 The additional capitalization of Rs. 0.002 for FY 2016-17 has been incurred as per Regulation 17(2)(iv) of RERC Tariff Regulation 2014, which requires that any additional works/ services, which have become necessary for efficient and successful operation of a generating station but not included in the original capital cost. The above additional capitalization of Rs. 0.002 crore was inevitable for smooth functioning of plant and was not covered under original scope of work, thus RVUN request the Hon'ble Commission to approve the aforesaid additional capitalization during FY 2016-17.
- 1.11 With regard to assets deduction of Rs 4.73 Cr. Appearing in audited accounts of FY 2016-17, RVUN requested the Commission not to consider such amount for FY 2016-17 as this amount pertains to equipment of the super critical STPS Unit# 7-8 and was wrongly booked in audited accounts for FY 2014-15 as an additional capitalization in FY 2014-15. Accordingly, the aforesaid assets addition during FY 2014-15 has been deducted from STPS Unit# 1-6 fixed Assets in FY 2016-17 and booked in super critical. Therefore, RVUN request not to consider the deduction fixed assets of Unit # 1-6 amounting to Rs 4.73 Cr. (this fact also presented in FY 2014-15 true up petition and Commission has not considered the additional capitalization of Rs. 4.73 crore in true up order of FY 2014-15).
- 1.12 Based on the above, estimated figures of depreciation for FY 2016-17, FY 2017-18 and FY 2018-19 as computed under format 6.1 are summarised in table below:

Table 2: Depreciation (Rs. in Crore)

Station	FY 16-17	FY 17-18	FY 18-19
STPS	Unit 1-6	Unit 1-6	Unit 1-6
Depreciation	164.12	164.24	164.24

Interest on Loans:-

- 1.13 The loan-wise interest expenses & finance charges which include term loans as well as transitional loans have been worked-out and taken as part of fixed cost along with finance charges as per regulation 21 of RERC tariff regulations 2014. The loan repayment amount for term loans and transitional loans combined has been taken equal to the depreciation figure envisaged for FY 2016-17, FY 2017-18 and FY 2018-19.
- 1.14 Estimated figures for interest on term loan, transitional loan and finance charges as computed under format 6.2 are summarised in table below:

Table 3: Interest on loans (Rs. in Crore)

Station	FY 16-17	FY 17-18	FY 18-19
STPS	Unit 1-6	Unit 1-6	Unit 1-6
Interest (Term Loan + Transitional Loan) and finance charges	102.99	79.33	61.84

Interest on working Capital

- 1.15 The interest on working capital loan for FY 2016-17, FY 2017-18 and FY 2018-19 has been computed as per the norms defined under clause No.27 of RERC Tariff regulation 2014. For FY 2016-17, FY 2017-18 and FY 2018-19, the rate of interest on WCL 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 figure of Interest on Working Capital loan as computed under format 6.11 is summarised as below:

Table 4: Interest on working capital (Rs. in Crore)

Station	FY 16-17	FY 17-18	FY 18-19
STPS	Unit 1-6	Unit 1-6	Unit 1-6
Interest on Working Capital	64.26	85.51	120.66

Operation & Maintenance Expenses

- 1.16 The Operation & Maintenance Expenses have been computed as per the norms prescribed under Regulation 47 of RERC Tariff Regulation 2014.
- 1.17 Estimated figures for the period FY 2016-17, FY 2017-18 and FY 2018-19 as computed under format 4.1 are summarised in Table below.

Table 5: O & M Expenses (Rs. in Crore)

Station	FY 16-17	FY 17-18	FY 18-19
STPS	Unit 1-6	Unit 1-6	Unit 1-6
Operation and Maintenance	224.43	286.23	302.98

Recovery of ARR & Tariff Petition Fees

1.18 The Hon'ble Commission vide order dated 10.03.08 has allowed to pass through the fees levied for filling of ARR & Tariff Petition, as expenses in the ARR. Accordingly, RVUN has claim the fee for filing the ARR and Tariff petition. The Commission may consider and allow the same.

1.19 The ARR & Tariff Petition Fees for FY 2016-17, FY 2017-18 and FY 2018-19 are summarised in table below :

Table 6: Recovery of ARR & Tariff Petition Fees (Rs. in Crore)

Station	FY 16-17	FY 17-18	FY 18-19
STPS	Unit 1-6	Unit 1-6	Unit 1-6
Petition Fee	0.75	0.75	0.75

Insurance Charges

1.20 RVUN is claiming the insurance charges for STPS for the year 2018-19 based on the estimates of actual insurance charges paid in preceding year with an increment of 5% Yoy (year on year). The details are shown in the table below:

Table 7: Insurance Charges (Rs. in Crore)

Station	FY 16-17	FY 17-18	FY 18-19
STPS	Unit 1-6	Unit 1-6	Unit 1-6
Insurance Charges	2.66	2.79	2.93

Return on Equity

1.21 The Return on Equity has been computed as per the norms prescribed under Regulation 20 of RERC Tariff Regulation 2014.

1.22 The Return on Equity (ROE) for FY 2016-17, FY 2017-18 and FY 2018-19 are summarised in Table below:

Table 8: ROE (Rs. in Crore)

Station	FY 16-17	FY 17-18	FY 18-19
STPS	Unit 1-6	Unit 1-6	Unit 1-6
Return on Equity (ROE)	182.29	182.39	182.39

Non-Tariff Income

1.23 The following are the main head of accounts of Non tariff income:

- a) Sale of Scrap
- b) Interest on FD/ Staff Loans
- c) Miscellaneous receipts (rebates etc)

1.24 Non Tariff Income for FY 2016-17, FY 2017-18 and FY 2018-19 are summarised in table below:

Table 9: Non-Tariff Income (Rs. in Crore)

Station	FY 16-17	FY 17-18	FY 18-19
STPS	Unit 1-6	Unit 1-6	Unit 1-6
Non Tariff Income	7.38	7.75	8.13

A4: STPS ESTIMATED CAPACITY CHARGES (FIXED)

1.25 The net fixed charges is computed for FY 2016-17, FY 2017-18 and FY 2018-19 in the Table below

Table 10: Net Capacity Charges for STPS (Rs. in Crore)

Station	FY 16-17	FY 17-18	FY 18-19
STPS	Unit 1-6	Unit 1-6	Unit 1-6
Depreciation	164.12	164.24	164.24
Interest on term Loan & Transitional Loan	102.99	79.33	61.84
Return on Equity	182.29	182.39	182.39
Interest on Working Capital	64.26	85.51	120.66
O & M Expenses	224.43	286.23	302.98
Insurance Charges	2.66	2.79	2.93
Additional Liability towards Pension & Gratuity	12.81	0.00	0.00
Recovery of ARR and Tariff Petition Fee	0.75	0.75	0.75
Less: Non-Tariff income	7.38	7.75	8.13
Net Fixed Charge	746.94	793.48	827.64

A5: VARIABLE CHARGES

Coal and Oil GCV, Price and cost

1.26 For FY 2018-19, the average Gross calorific value and the average rate of coal and oil supply have been calculated on the basis of receipts of previous three months during Sep to Nov of 2017 as per Commission's formats.

1.27 The GCV of indigenous coal has been considered as 3855 kCal/kg, GCV of secondary fuel (OIL) been considered as 9719 kCal/ltr. for HFO and 9486 kCal/ltr for LDO. Price of the indigenous coal, HFO and LDO has been taken as Rs. 4795 per MT, 31634.04/kl and 44481.84/kl respectively for the FY 2018-19.

1.28 The use of imported coal is considered as NIL for FY 2018-19.

1.29 The overall estimated figures of variable Cost for the period under consideration, are summarised in Table below.

Table 11 : Variable Cost

Particular	FY 16-17	FY 17-18	FY 18-19
	Unit 1-6	Unit 1-6	Unit 1-6
Capacity (MW)	1500.00	1500.00	1500.00
Availability %	85.77%	81.29%	82%
PLF (%)	33.65%	68.11%	82%
Gross Generation (MU)	4474.71	7071.98	10774.80
Aux Cons. (%)	10.09%	9.37%	9%
Net Generation (MU)	4023.28	6404.70	9805.07

SHR (Kcal/ KWh)	2452.08	2464.44	2476.28
GCV of Indigenous Coal (kCal/ Kg)	4023.00	3855.00	3855.00
GCV of HFO (kCal/ Ltr)	9835.56	9719.00	9719.00
GCV of LDO (kCal/ Ltr)	0.00	9486.00	9486.00
GCV of Imported Coal (kCal/ Kg)	0.00	0.00	0.00
Sp. Indigenous Coal consumption (Kg/ kWh)	0.61	0.64	0.64
Sp. HFO consumption (ml/kWh)	1.57	0.84	0.45
Sp. LDO consumption (ml/kWh)	0.00	0.08	0.05
Sp. Imported Coal consumption (Kg/kWh)	0.00	0.00	0.00
Price of Indigenous (Rs/MT)	5140.96	4795.00	4795.00
Price of HFO (Rs./kl)	26741.81	31634.04	31634.04
Price of LDO (Rs./kl)	0.00	44481.84	44481.84
Price of Imported (Rs/MT)	0.00	0.00	0.00
Cost of Indigenous Coal (Rs.in Crore)	1393.32	2163.40	3312.24
Cost of HFO (Rs. In crores)	18.77	10.07	15.34
Cost of LDO (Rs. In crores)	0.00	2.16	2.40
Cost of Imported Coal (Rs.in Crore)	0.00	0.00	0.00
Fuel cost (Total Variable Cost) (Rs. In Crore)	1414.97	2175.63	3329.98
Variable Cost (Rs/KWh sent out)	3.52	3.40	3.40

A6: ESTIMATED ARR FOR STPS

1.30 The recovery of ARR proposed for STPS is summarised in table below:

Table 12: ARR for STPS (Rs. in Crores)

Particular	FY 16-17	FY 17-18	FY 18-19
Station	Unit 1-6	Unit 1-6	Unit 1-6
STPS			
Capacity (Fixed Charges)	746.94	793.48	827.64
Variable Cost	1414.97	2175.63	3329.98
Aggregate Revenue Requirement	2161.92	2969.11	4157.61

A7: STPS ESTIMATED TARIFF

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

Table 13: STPS ESTIMATED TARIFF

Particular	FY 16-17	FY 17-18	FY 18-19
	Unit 1-6	Unit 1-6	Unit 1-6
Ex-Bus Generation (MU)	4023.28	6404.70	9805.07
Capacity(fixed) Charges	746.94	793.48	827.64
Variable Cost	1414.97	2175.63	3329.98

Rate of Fixed Charge(Rs/kWh)	1.86	1.24	0.84
Rate of Variable Charge(Rs/kWh)	3.52	3.40	3.40
Rate of Sale of Energy (Rs/kWh)	5.374	4.636	4.240

A8: FUEL COST ADJUSTMENT

1.32 As per RERC Tariff Regulation 2014, there is provision of fuel cost adjustment on account of fuel related costs of electricity generation to take care of any variation in the variable cost. RVUN request the Hon'ble Commission to consider the fuel cost adjustment accordingly.

A9: RESPONDENTS:-

1.33 All the three Discom's (i.e JVVNL/AVVNL/ JdVVNL) Jaipur/ Ajmer/ Jodhpur are respondents for the above petition.

A10: PRAYER

1.34 RVUN humbly requests the Hon'ble Commission to:

- ◆ Approval of ARR & Tariff for FY-2018-19.
- ◆ To allow provisional Tariff w.e.f. 01.04.18 for FY 2018-19 till final tariff order is issued as proposed in the petition
- ◆ To consider the deviations as proposed while determining the ARR and Tariff
- ◆ To condone any inadvertent omissions/errors/rounding off differences/ shortcomings and permit the Petitioner to add/alter this filing and make further submissions as may be required by the Hon'ble Commission; and
- ◆ And pass such other further orders as are deemed fit and proper in the facts and circumstances of the case

(Y.K.Upadhyay)
Chief Accounts Officer (Comml.)
RVUN, Jaipur.

(A.K. Saxena)
Addl. Chief Engineer (PPMC & IT)
RVUN, Jaipur.

Summary of Tariff Proposal

Name of the Petitioner

Rajasthan Rajya Vidhyut Utpadan Nigam Ltd.

Name of the Power Station /Unit :

Suratgarh Super Thermal Power Station

(Rs. Crore)

S.No.	Particulars	Ref.of Form No	2016-17	2017-18			2018-19	Remark
			Actual/Audited	Approved by the Commission	Apr-Sep (Actual)	Oct-Mar(Estimated for the Year)	Anticipated	
1	2	3	4	5	6	7	9	10
1	Capacity (Fixed) Charge							
1.1	Depreciation	6.1	164.12	163.98	82.12	82.12	164.24	
1.2	Interest on term Loan & Transitional Loan	6.2	102.99	79.24	39.66	39.66	61.84	
1.3	Return on Equity	6.9	182.29	182.19	91.19	91.19	182.39	
1.4	Interest on Working Capital	6.11	64.26	132.14	25.60	59.92	120.66	
1.5	O & M Expenses	4.1	224.43	286.23	143.12	143.12	302.98	
1.6	Insurance Charges	6.12	2.66	2.87	1.40	1.40	2.93	
1.7	Tax on ROE	6.13	0.00	0.00	0.00	0.00	0.00	
1.9	Recovery of ARR and Tariff Petition Fee		0.75	0.75	0.38	0.38	0.75	
2.1	Additional Liability towards Pension & Gratuity		12.81	0.00	0.00	0.00	0.00	
2.2	Less: Non-Tariff income	3.2	7.38	8.93	3.87	3.87	8.13	
	Total (1)- Capacity (Fixed Charges)		746.94	838.47	379.58	413.90	827.64	
2	Total- Energy (variable) charges		1414.97	3733.03	515.20	1660.43	3329.98	
3	Units sold to Discoms (MU)		4023.28	9805.07	1515.60	4889.10	9805.07	
4	Rate of Fixed Charges. (1/3)		1.857	0.855	2.505	0.847	0.844	
5	Rate of Variable Charges.							
5.1	Rate of Energy Charge from Primary Fuel (R	5.1						
	(i) Coal/ Lignite		3.463	3.791	3.377	3.378	3.378	
	(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	5.1	0.047	0.016	0.022	0.018	0.018	
5.3	Total-(2) Rate of Energy Charge ex-bus(REC	5.1	5.366	4.662	5.904	4.243	4.240	

Form G 1.2

Aggregate Revenue Requirement

Name of the Petitioner

Rajasthan Rajya Vidhyut Utpadan Nigam Ltd.

Name of the Power Station/Unit:

Suratgarh Super Thermal Power Station

(Rs. Crore)

S.No.	Particulars	Reference Form	FY 2016-17	FY 2017-18		FY 2018-19	Remarks	
			Actual/Audited	Approved by the Commission	Apr-Sep (Actual)	Oct-March (Estimated)		Anticipated
1	2	3	4	5	6	7	9	10
A	Receipts							
1	Revenue from Sale of Power (Tariff income)	3.1	2161.92	4571.50	894.78	2074.33	4157.61	
2	Non Tariff income		7.38	8.93	3.87	3.87	8.13	
3	Revenue Subsidies, Grants & Subvention from State Govt.							
	Total- (A)		2169.29	4580.43	898.66	2078.20	4165.75	
B	Expenditure							
1	Variable Costs, including Fuel Cost	5.1	1414.97	3733.03	515.20	1660.43	3329.98	
2	Depreciation	6.1	164.12	163.98	82.12	82.12	164.24	
3	Interest on term Loan & Finance charges	6.2	102.99	79.24	39.66	39.66	61.84	
4	Return on Equity	6.9	182.29	182.19	91.19	91.19	182.39	
5	Tax on ROE	6.15	0.00	0.00	0.00	0.00	0.00	
6	Interest on Working Capital	6.11	64.26	132.14	25.60	59.92	120.66	
7	O & M Expenses	4.1	224.43	286.23	143.12	143.12	302.98	
8	Insurance Charges	6.14	2.66	2.87	1.40	1.40	2.93	
9	Additional Liability towards Pension & Gratuity		12.81	0.00	0.00	0.00	0.00	
10	Recovery of ARR and Tariff Petition Fee		0.75	0.75	0.38	0.38	0.75	
11	Prior Period Expenses		0.00	0.00	0.00	0.00	0.00	
C	Total- (B) Expenditure		2169.29	4580.43	898.66	2078.20	4165.75	
D	A.R.R. (C-A.2)		2161.92	4571.50	894.78	2074.33	4157.61	

Form G 2.1

Plant Characteristics

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

Rajasthan Rajya Vidut Utpadan Nigam Limited, Jaipur (Raj.)
Suratgarh Super Thermal Power Station

Basic characteristics of the plant¹	Coal Based Thermal Power Plant (Conventional Steam Generator)						
Special Features of the Plant							
Site Specific Features²	Intake water system from IGNP						
Special Technological Features³							
Environmental Regulation related features⁴	ESPs of 99.886% efficiency installed fr regulation of SPM						
Any other special features							
Fuel Details⁵	Primary Fuel		Secondary Fuel		Alternate Fuels		
	Coal		HFO & LDO				
Details	Unit number						
	1	2	3	4	5	6	& so on
	Unit 1	Unit 2	Unit 3	Unit 4	Unit 5	Unit 6	
Installed Capacity (IC)	250	250	250	250	250	250	
Date of Commercial Operation (COD)	1-Feb-99	1-Oct-00	15-Jan-02	31-Jul-02	19-Aug-03	30-Dec-09	
Type of cooling system ⁶	Closed Circuit System						
Type of Boiler Feed Pump ⁷	Electric Motor Driven						
Pressure (kg/ cm2)	154.1 Kg/ Cm2 (Super Heater Outlet)						
Temperature 0C							
-At Superheater Outlet	540 Deg C						
-At Reheater Outlet	540 Deg C						
Turbine Cycle heat Rate(Kcal/ Kwh)							
Boiler Efficiency (%)						87.76%	
Guaranteed Design Heat rate (kCal/kWh)	2343 (2260 (Design Heat Rate) + 83 (Acceptable tolerance of 2.5% for Turbine Heat Rate & 1% for Boiler Efficiency)					1980	
Conditions on which guaranteed							
% MCR	250 MW						
% Makeup	0% Make up						
Design Fuel	Coal (FC 27%, VM 18%, Moisture 10%, Ash 45%, HHV 3500 Kcal/ Kg)						
Design cooling water Temperature	33 Deg C						
Back Pressure	76 mm/ Hg						

Form G 2.2
Operational Parameters - Generation

Name of the Petitioner

Rajasthan Rajya Vidhyut Utpadan Nigam Ltd.

Name of the Station/Unit:

Suratgarh Super Thermal Power Station

S. No.	Particulars	Units	FY 2016-17	FY 2017-18			FY 2018-19	Remarks
			Audited/Actual	Approved by the Commission	Apr-Sep (Actual)	Oct-March (Estimated for the Year)	Anticipated	
1	2	3	4	5	6	7	9	10
1	Operational Parameters - Hydel							
1.1	Total Capacity	MW	NA	NA	NA	NA	NA	
1.2	Capacity Index	%	NA	NA	NA	NA	NA	
1.3	Design Energy	MU	NA	NA	NA	NA	NA	
1.4	Gross Generation	MU	NA	NA	NA	NA	NA	
1.5	Auxiliary Energy Consumption	%	NA	NA	NA	NA	NA	
1.6	Auxiliary Energy Consumption	MU	NA	NA	NA	NA	NA	
1.7	Net Generation	MU	NA	NA	NA	NA	NA	
2	Operational Parameters - Thermal							
2.1	Total Capacity	MW	1500		1500	1500	1500	
2.2	Availability	%	85.77%		88.29%	82.00%	82.00%	
2.3	Plant Load Factor	%	33.65%		25.28%	82.00%	82.00%	
2.4	Gross Generation	MU	4474.711		1699.340	5372.640	10774.800	
2.5	Auxiliary Energy Consumption	%	10.09%		10.81%	9.00%	9.00%	
2.6	Auxiliary Energy Consumption	MU	451.428		183.740	483.538	969.732	
2.7	Net Generation	MU	4023.283		1515.600	4889.102	9805.068	
2.6	Heat Rate	Kcal/ Kwh)	2452.078915		2427	2476.28	2476.28	

Revenue from Sale of Power

Name of the Company
Name of the Power Station :

Rajasthan Rajya Vidhyut Utpadan Nigam Ltd.
Suratgarh Super Thermal Power Station

Year 2016-17

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		1609.31	40.0%	298.7770703	566.0		864.77	537.35	
(b)	AVVNL		1126.52	28.0%	209.1439492	396.2		605.34	537.35	
(c)	JDVVNL		1287.45	32.0%	239.0216562	452.8		691.81	537.35	
2	Other recoveries									
3	Gross Revenue From Sale of Power				746.9426757	1414.97				
4	less: i) State Levies Payable to Govt.									
5	Less. : ii) Revenue during trial runs (capitalised)									
6	Net revenue		4023.28		746.94	1414.97		2161.92		

Year 2017-18

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		2561.88	40.0%	317.3929355	870.3		1187.64	463.58	
(b)	AVVNL		1793.32	28.0%	222.1750548	609.2		831.35	463.58	
(c)	JDVVNL		2049.50	32.0%	253.9143484	696.2		950.12	463.58	
2	Other recoveries									
3	Gross Revenue From Sale of Power				793.4823387	2175.63				
4	less: i) State Levies Payable to Govt.									
5	Less. : ii) Revenue during trial runs (capitalised)									
6	Net revenue		6404.70		793.48	2175.63		2969.11		

Year 2018-19

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		3922.03	40.0%	331.0548242	870.3		1201.31	306.30	
(b)	AVVNL		2745.42	28.0%	231.7383769	609.2		840.91	306.30	
(c)	JDVVNL		3137.62	32.0%	264.8438593	696.2		961.05	306.30	
2	Other recoveries									
3	Gross Revenue From Sale of Power				827.6370604	2175.63				
4	less: i) State Levies Payable to Govt.									
5	Less. : ii) Revenue during trial runs (capitalised)									
6	Net revenue		9805.07		827.64	3329.98		4157.61		

Form G 3.2

NON-TARIFF INCOME

Name of the Petitioner **Rajasthan Rajya Vidhyut Utpadan Nigam Ltd.**
 Name of the Power Station/ Unit: **Suratgarh Super Thermal Power Station**

Rs. Crore

S.No	Particulars	2016-17	2017-18		2018-19	Remarks	
		(Actuals/audited)	Approved by the Commission	Apr-Sep (Actual)	Oct-March (Estimated)		(Anticipated)
1	2	3	4	5	6	8	9
	Non-tariff income						
i.	Intt on Govt. Subsidy	0	0	0	0	0	
ii.	Conveyance Advance	0	0	0	0	0	
iii.	House Building Advance	0	0	0	0	0	
iv.	Income from F.D.R. with Banks	0	0	0	0	0	
v.	Sale of scrap	0.00	0.00	0.00	0.00	0.00	
vi.	MISCELLANEOUS RECEIPTS	7.38	8.93	3.87	3.87	8.13	
	Total non-tariff income	7.38	8.93	3.87	3.87	8.13	

Form G 3.3

REVENUE SUBSIDIES & GRANTS

Name of the Petitioner:

Rajasthan Rajya Vidhyut Utpadan Nigam Ltd.

Name of the Power Station/Unit :

Suratgarh Super Thermal 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:

Rajasthan Rajya Vidhyut Utpadan Nigam Ltd.

Name of the Power Station/ Unit :

Suratgarh Super Thermal Power Station

Rs. Crore

S.No.	Particulars	Previous year	Current Year			Ensuing Year (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 Raja Vidhyut Utpadan Nigam Ltd.

Name of the Station/Unit:

Suratgarh Super Thermal Power Station

(Rs. Crore)

S.No.	Particulars	2016-17	2017-18			2018-19
		(Actuals/audited)	Approved by the Commission	Apr-Sep (Actual)	oct-March (Estimated)	(Anticipated)
1	2	3	4	5	6	8
1	O&M Expense norms (Rs. per MW)	0.149622975	0.19082	0.191	0.191	0.202
2	Total Capacity in MW	1500	1500	1500	1500	1500.00
3	O&M expense	224.43	286.23	143.12	143.12	302.98
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	224.43	286.23	143.12	143.12	302.98

**Fuel Consumption Detail in respect of STPS, Suratgarh
(Sep'17-Nov'17)**

Tentative

S.No.	Particulars	Unit	Sep'17	Oct.'17	Nov.'17
1	2	3			
A.	Indegenous coal		Indian	Indian	Indian
1	Quantity of coal in stock at beginning of the month	MT	35274.86	30085	155760
2	Quantity of coal supplied by coal / lignite company during the month	MT	287685.79	397374.73	248764.65
3	Adjustment(+/-) in quantity supplied/ made by coal company due to stones boulders received with Coal (to be mentioned specifically)	MT	0	0	0
4	Coal supplied by Coal company during the month (2+3)	MT	287685.79	397374.73	248764.65
5a	Normative Transit / handling losses @ 0.8% for the quantity at 4	MT	2301	3179	1990
5b	Actual Transit / handling losses for the quantity at 4	MT	1863.08	2492.02	-59.66
6	Net coal supplied during the month (4-5b)	MT	285822.71	394882.71	248824.31
7	Total coal (Receipts + Opening stock) (1+6)	MT	321097.57	424967.71	404584.31
8	Coal / lignite consumed:-	MT			
8a	For generation of Firm power	MT	291012	269208	318429
9	Quantity of coal in stock at the end (7-8a)	MT	30085.57	155759.71	86155.31
10	Value of coal in stock at beginning of the month	Rs.in lakhs	1673.23	1401.64	7351.73
11	Amount charged by coal company for the quantity at 4	Rs.in lakhs	5944.54	7465.3520	5570.3988
12	Adjustment(+/-) in amount charged / made by coal company on a/c of the reason(to be mentioned specifically)	Rs.in lakhs	0	0	0
13	Total amount charged (11+12)	Rs.in lakhs	5944.54	7465.3520	5570.3988
14	Transportation charges during the month	Rs.in lakhs	7320.78	11158.258	7132.22
15	Adjustment(+/-) in amount charged / made by Railway / Transport company	Rs.in lakhs	0	0	0
16	Demurrage charge, coal agent, railway staff and siding charges, if any	Rs.in lakhs	0.44625	0.4347	0
17	Any other charges (to be mentioned specifically)	Rs.in lakhs	0	0	0
18	Total transportation charges during the month (14+15+16+17)	Rs.in lakhs	7321.2262	11158.692	7132.22
19	Total amount charged for coal incl. transportation charges for the quantity at 4 (13+18)	Rs.in lakhs	13265.766 25	18624.044 79	12702.618 88
20	Average cost of coal (Opening stock + receipts) (10+19)/(1+4-5a)	Rs./MT	4658.840	4719.914	4982.019
21	Cost of coal/lignite in stock at the end of the month (20x9)	Rs.in lakhs	1401.64	7351.73	4292.27
22	Weighted average GCV of coal during the month	Kcal/ Kg.	3806	3828	3923
23	Weighted average GCV of coal during the quarter	Kcal/ Kg.		3855	
24	Weighted average coal cost during the quarter	Rs./MT		4795	

FORM 5.1/genco

Tentative

Details / Information to be submitted in respect of fuel for computation of Energy charges* for FPA

Name of the Company : RVUN

Name of the Power Station : Suratgarh TPS (Information regarding HFO & LDO)

S. No.	Month	Unit	(Sep-17)		(Oct-17)		(Nov-17)		Quarterly		
			HFO	LDO	HFO	LDO	HFO	LDO	HFO	LDO	Gross
1	Quantity of oil in stock at the beginning of the month	(KL)	1701.288	157.110	1128.290	139.079	3719.914	126.794	1701.288	157.110	1858.398
2	Quantity of oil supplied by oil company	(KL)	0.000	26.000	2816.000	0.000	0.000	111.742	2816.000	137.742	2953.742
3	Adjustment (+/-) in quantity supplied made by oil company for diversion of wagons etc.	(KL)	0.000	0	0.000	0	0.000	0	0.000	0.000	0.000
4	Oil supplied by oil company (2+3)	(KL)	0.00	26.000	2816.00	0.000	0.00	111.742	2816.000	137.742	2953.742
5	Normative Transit & Handling Losses	(KL)	0	0	0	0	0	0	0.000	0.000	0.000
6	Net oil Supplied (4-5)	(KL)	0.00	26.000	2816.00	0.000	0.00	111.742	2816.000	137.742	2953.742
7	Total oil (Receipts & Opening Stock) (1)+(6)	(KL)	1701.288	183.11	3944.290	139.079	3719.914	238.536	4517.288	294.852	4812.140
8	Oil consumed	(KL)	572.998	44.031	224.376	12.285	1040.444	124.239	1837.818	180.555	2018.373
9	Oil in stock at the end of the month (7-8)	(KL)	1128.290	139.079	3719.914	126.794	2679.470	114.297	2679.470	114.297	2793.767
10	Value of oil in stock at the beginning of the month	(Rs.)	54322010	7024186	36026223	6125286	117515988	5584233	54322010	7024186	61346196
11	Amount charged by the oil company	(Rs.)	0	1040304	88578039	0	0	5051070	88578039	6091374	94669413
12	Adjustment (+/-) in amount charged made by oil company	(Rs.)	0	0	0	0	0	0	0	0	0
13	Total amount charged (11+12)	(Rs.)	0	1040304	88578039	0	0	5051070	88578039	6091374	94669413
14	Transportation charges by Rail /Ship/Road transport	(Rs.)	0	0	0	0	0	0	0	0	0
15	Adjustment (+/-) in amount charged made by Railways/Transport company	(Rs.)	0	0	0	0	0	0	0	0	0
16	Demurrage charges, if any	(Rs.)	0	0	0	0	0	0	0	0	0
17	Cost of diesel in transporting coal through MGR system, if applicable	(Rs.)	0	0	0	0	0	0	0	0	0
18	Total transportation charges (14+/-15-16+17)	(Rs.)	0	0	0	0	0	0	0	0	0
19	Total amount charged for oil supplied including transportation (10+13+18)	(Rs.)	54322010	8064490	124604262	6125286	117515988	10635303	142900049	13115560	156015609
20	Average cost of oil (Opening Stock + Receipts) (19/7)	(Rs./KL)	31929.93	44041.78	31591.05	44041.78	31591.05	44585.74	31634.04	44481.84	32421.25
21	Cost of oil in stock at the end of the Month/Qtr	(Rs.)	36026223	6125286	117515988	5584233	84647270	5096016	84647270	5096016	89743286
22	Weighted average GCV of oil as received	(kcal/Ltr)	9785	9460	9689	9460	9689	9498	9719	9486	9698

Energy Charges for Thermal Generation

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

Rajasthan Rajya Vidhyut Utpadan Nigam Ltd.
Suratgarh Super Thermal Power Station

S.No.	Particulars	Units	2016-17	2017-18			2018-19	Remarks
			April-March (Audited)	Approved by the Commission	Apr-Sep (Actual)	Oct-Mar (Estimated)	Anticipated	
			Unit 1-6	Unit 1-6	Unit 1-6	Unit 1-6	Unit 1-6	
1	2	3	4	5	6	7	8	9
1	Operational Parameters							
1.1	Total Capacity	MW	1500	1500	1500	1500	1500.00	
1.2	Availability	%	85.77%	0	88.29%	82.00%	82.00%	
1.3	PLF	%	33.65%	82.00%	25.28%	82.00%	82.00%	
1.4	Gross Generation	MU	4474.71	10774.80	1699.34	5372.64	10774.80	
1.5	Auxiliary Energy Consumption	%	10.09%	9.00%	10.81%	9.00%	9.00%	
1.6	Auxiliary Energy Consumption	MU	451.43	969.73	183.74	483.54	969.73	
1.7	Net Generation	MU	4023.28	9805.07	1515.60	4889.10	9805.07	
1.8	Heat Rate	kcal/kWh	2452.08	2476.28	2427	2476.28	2476.28	
2	Fuel Parameters (for each primary and secondary fuel)							
2.1	Gross Calorific Value							
2.1.1	Fuel - 1 (Indeigneous Coal)	kcal/Kg	4023	3929.76	3855.00	3855.00	3855.00	
2.1.2	Fuel - 2 (HFO)	kcal/Ltr.	9835.56	9915	9719.00	9719.00	9719.00	
2.1.3	Fuel - 3 (LDO)	kcal/Ltr.		9635.21	9486.00	9486.00	9486.00	
2.1.4	Fuel - 4 (Imported Coal)	kcal/Kg		0	0	0	0.00	
2.2	Landed Fuel Price per unit (Please specify the fuel)							
2.2.1	Fuel - 1 (Indeigneous Coal)	Rs/MT	5140.96	5485.96	4795.00	4795.00	4795.00	
2.2.2	Fuel - 2 (HFO)	Rs/KL	26741.81	27228.15	31634.04	31634.04	31634.04	
2.2.3	Fuel - 3 (LDO)	Rs/KL		46976.31	44481.84	44481.84	44481.84	
2.2.4	Fuel - 4 (Imported Coal)	Rs/MT	0	0	0	0	0.00	
3	Fuel Consumption and Heat Contribution (for each fuel separately)							
3.1	Specific Fuel Consumption							
3.1.1	Fuel - 1 (Indeigneous Coal)	Kg/ kWh	0.61	0.63	0.63	0.64	0.64	
3.1.2	Fuel - 2 (HFO)	MI/ kWh	1.57	0.45	0.45	0.45	0.45	
3.1.3	Fuel - 3 (LDO)	MI/ kWh		0.05	0.13	0.05	0.05	
3.1.4	Fuel - 4 (Imported Coal)	Kg/ kWh	0.00	0.00	0.00	0.00	0.00	
3.2	Total Fuel Consumption							
3.2.1	Fuel - 1 (Indeigneous Coal)	MT	2710240	6776026.12	1067393.69	3444387.87	6907700.94	
3.2.2	Fuel - 2 (HFO)	KL	7020.34	4848.66	764.70	2417.69	4848.66	
3.2.3	Fuel - 3 (LDO)	KL		538.74	217.52	268.63	538.74	
3.2.4	Fuel - 4 (Imported Coal)	MT	0.00	0.00	0.00	0.00	0.00	
3.3	Heat Content (each fuel separately)							
3.3.1	Fuel 1 (2.1.1 x 3.1.1)	Million kcal	10903295.52	26628156.41	4114802.68	13278115.23	26629187.13	
3.3.2	Fuel 2 (2.1.2 x 3.1.2)	Million kcal	0.00	48074.46	7432.15	23497.51	47124.13	
3.3.3	Fuel 3 (2.1.3 x 3.1.3)	Million kcal	69048.98	5190.87	2063.35	2548.24	5110.49	
3.3.4	Fuel 4 (2.1.4 x 3.1.4)	Million kcal		0.00	0.00	0.00	0.00	
	Total Heat Content		10972344.50	26681421.74	4124298.18	13304160.98	26681421.74	
4	Total Fuel Cost							
4.1.1	Fuel 1 (Indeigneous Coal) (2.2.1 x 3.2.1)	Rs Crore	1393.32	3717.30	511.82	1651.58	3312.24	
4.1.2	Fuel 2 (HFO) (2.2.2 x 3.2.2)	Rs Crore		13.20	2.42	7.65	15.34	
4.1.3	Fuel 3 (LDO) (2.2.3 x 3.2.3)	Rs Crore	18.77	2.53	0.97	1.19	2.40	
4.1.4	Fuel 4 (Imported Coal) (2.2.4 x 3.2.4)	Rs Crore	0.00	0.00	0.00	0.00	0.00	
	Total Fuel Cost	Rs Crore	2103.62	3733.03	515.20	1660.43	3329.98	
5	Details of limestone consumption (Applicable for Lignite based generating stations)							
6	Other Charges and Adjustments		2.88					
7	Total Cost (4+5+6)	Rs Crore	1414.97	3733.03	515.20	1660.43	3329.98	
8	Cost of Generation per unit (at Generation Terminal) (7/1.4)	Rs/kWh	3.162	3.465	3.032	3.091	3.091	
	Energy Charge per unit (ex-bus) (7/1.7)							
9								
9.1.1	Fuel - 1 (Indeigneous Coal)	Rs/kWh	3.463	3.791	3.377	3.378	3.378	
9.1.2	Fuel - 2 (HFO)	Rs/kWh	0.047	0.013	0.016	0.016	0.016	
9.1.3	Fuel - 3 (LDO)	Rs/kWh	0.000	0.003	0.006	0.002	0.002	
9.1.4	Fuel - 4 (Imported Coal)	Rs/kWh	0.000	0.000	0.000	0.000	0.000	
	Total---(9)	Rs/kWh	3.517	3.807	3.399	3.396	3.396	

Form G 6.1

Fixed assets & provisions for depreciation

Name of the Petitioner

Rajasthan Raja Vidhyut Utpadan Nigam Ltd.

Name of the Power Station :

Suratgarh Super Thermal Power Station

Unit 1 to 5

Year (n) (2016-17)

(Figures in Rs Crore)

S. No.	Particular	Rate of depreciation %	Gross fixed assets				Provisions for depreciation			Net fixed assets at the beginning of the year	Net Fixed Asset at the end of the year	
			At the beginning of the year	Additions during the year	Adjustment & deductions	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
1	2	3	4	5	6	7	8	9	10	11	12	13
1	Land & land rights	0	9.80	0.00	0.00	9.80						
1A	Building & Civil works of Power plant	3.34	174.05	0.00	0.00	174.05						
2	Hydraulic works	5.28	104.29	0.00	0.00	104.29						
3	Other Civil works	3.34	73.50	0.00	0.00	73.50						
4	Plant & machinery	5.28	3820.89	4.30	0.00	3825.19						
5	Lines and Cable Networks	5.28	46.42	0.00	0.00	46.42						
6	Vehicles	9.5	0.85	0.00	0.00	0.85						
7	Furniture & fixtures	6.33	0.50	0.00	0.00	0.50						
8	Office Equipments	6.33	0.39	0.00	0.00	0.39						
9	Capital spares	5.28	0.00	0.00	0.00	0.00						
	Total (1) to (11)		4230.70	4.30	0.00	4235.00	2772.01	114.06	0.00	2886.07	1458.69	1348.93

Unit 1 to 5

Year 2017-18

(Figures in Rs Crore)

S. No.	Particular	Rate of depreciation %	Gross fixed assets				Provisions for depreciation			Net fixed assets at the beginning of the year	Net Fixed Asset at the end of the year	
			At the beginning of the year	Additions during the year	Adjustment & deductions	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
1	2	3	4	5	6	7	8	9	10	11	12	13
1	Land & land rights	0	9.80	0.00	0.00	9.798		0.00				
1A	Building & Civil works of Power plant	3.34	174.05	0.00	0.00	174.047		0.00				
2	Hydraulic works	5.28	104.29	0.00	0.00	104.290		0.00				
3	Other Civil works	3.34	73.50	0.00	0.00	73.505		0.00				
4	Plant & machinery	5.28	3825.19	0.00	0.00	3825.193		0.00				
5	Lines and Cable Networks	5.28	46.42	0.00	0.00	46.423		0.00				
6	Vehicles	9.5	0.85	0.00	0.00	0.851		0.00				
7	Furniture & fixtures	6.33	0.50	0.00	0.00	0.503		0.00				
8	Office Equipments	6.33	0.39	0.00	0.00	0.391		0.00				
9	Capital spares	5.28	0.00	0.00	0.00	0.000		0.00				
	Total (1) to (11)		4235.00	0.00	0.00	4235.00	2886.07	114.17	0.00	3000.24	1348.93	1234.76

Unit 1 to 5

Year 2018-19

(Figures in Rs Crore)

S. No.	Particular	Rate of depreciation %	Gross fixed assets				Provisions for depreciation			Net fixed assets at the beginning of the year	Net Fixed Asset at the end of the year	
			At the beginning of the year	Additions during the year	Adjustment & deductions	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
1	2	3	4	5	6	7	8	9	10	11	12	13
1	Land & land rights	0	9.80	0.00	0.00	9.798		0.00				
1A	Building & Civil works of Power plant	3.34	174.05	0.00	0.00	174.047		0.00				
2	Hydraulic works	5.28	104.29	0.00	0.00	104.290		0.00				
3	Other Civil works	3.34	73.50	0.00	0.00	73.505		0.00				
4	Plant & machinery	5.28	3825.19	0.00	0.00	3825.193		0.00				
5	Lines and Cable Networks	5.28	46.42	0.00	0.00	46.423		0.00				
6	Vehicles	9.5	0.85	0.00	0.00	0.851		0.00				
7	Furniture & fixtures	6.33	0.50	0.00	0.00	0.503		0.00				
8	Office Equipments	6.33	0.39	0.00	0.00	0.391		0.00				
9	Capital spares	5.28	0.00	0.00	0.00	0.000		0.00				
	Total (1) to (11)		4235.00	0.00	0.00	4235.00	3000.24	114.17	0.00	3114.42	1234.76	1120.59

Fixed assets & provisions for depreciation

Unit -6 FY 2016-17

(Figures in Rs Crore)

S. No.	Particular	Rate of depreciation %	Gross fixed assets				Provisions for depreciation				Net fixed assets at the beginning of the year	Net Fixed Asset at the end of the year
			At the beginning of the year	Additions during the year	Adjustment & deductions	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		
1	2	3	4	5	6	7	8	9	10	11	12	13
1	Land & land rights	0	0.00	0.00	0.00	0.00	0.00	0.00				
1A	Building & Civil works of Power plant	3.34	209.48	0.00	0.00	209.48		7.00				
2	Hydraulic works	5.28	15.73	0.00	0.00	15.73		0.83				
3	Other Civil works	3.34	7.10	0.00	0.00	7.10		0.24				
4	Plant & machinery	5.28	768.69	0.00	0.00	768.69		40.59				
5	Lines and Cable Networks	5.28	0.45	0.00	0.00	0.45		0.02				
6	Vehicles	9.5	0.00	0.00	0.00	0.00		0.00				
7	Furniture & fixtures	6.33	0.10	0.00	0.00	0.10		0.01				
8	Office Equipments	6.33	4.63	0.00	0.00	4.63		0.29				
9	Capital spares	5.28	20.60	0.00	0.00	20.60		1.09				
	Total (1) to (11)		1026.78	0.00	0.00	1026.78	311.21	50.06	0.00	361.27	715.57	665.51

Unit -6 Year 2017-18

(Figures in Rs Crore)

S. No.	Particular	Rate of depreciation %	Gross fixed assets				Provisions for depreciation				Net fixed assets at the beginning of the year	Net Fixed Asset at the end of the year
			At the beginning of the year	Additions during the year	Adjustment & deductions	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		
1	2	3	4	5	6	7	8	9	10	11	12	13
1	Land & land rights	Nil	0.00	0.00	0.00	0.000	0.000	0.00		0.000	0.00	0.00
1A	Building & Civil works of Power plant	3.34	209.48	0.00	0.00	209.477	0.000	7.00		6.997	209.48	202.48
2	Hydraulic works	5.28	15.73	0.00	0.00	15.727	0.000	0.83		0.830	15.73	14.90
3	Other Civil works	3.34	7.10	0.00	0.00	7.100	0.000	0.24		0.237	7.10	6.86
4	Plant & machinery	5.28	768.69	0.00	0.00	768.690	0.000	40.59		40.587	768.69	728.10
5	Lines and Cable Networks	5.28	0.45	0.00	0.00	0.454	0.000	0.02		0.024	0.45	0.43
6	Vehicles	9.5	0.00	0.00	0.00	0.000	0.000	0.00		0.000	0.00	0.00
7	Furniture & fixtures	6.33	0.10	0.00	0.00	0.103	0.000	0.01		0.006	0.10	0.10
8	Office Equipments	6.33	4.63	0.00	0.00	4.629	0.000	0.29		0.293	4.63	4.34
9	Capital spares	5.28	20.60	0.00	0.00	20.599	0.000	1.09		1.088	20.60	19.51
	Total (1) to (11)		1026.78	0.00	0.00	1026.78	361.27	50.06	10.00	411.33	665.51	615.44

Unit -6 Year 2018-19

(Figures in Rs Crore)

S. No.	Particular	Rate of depreciation %	Gross fixed assets				Provisions for depreciation				Net fixed assets at the beginning of the year	Net Fixed Asset at the end of the year
			At the beginning of the year	Additions during the year	Adjustment & deductions	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		
1	2	3	4	5	6	7	8	9	10	11	12	13
1	Land & land rights	0	0.00	0.00	0.00	0.000	0.000	0.00	0.00	0.000	0.00	0.00
1A	Building & Civil works of Power plant	3.34	209.48	0.00	0.00	209.477	6.997	7.00	0.00	13.993	202.48	195.48
2	Hydraulic works	5.28	15.73	0.00	0.00	15.727	0.830	0.83	0.00	1.661	14.90	14.07
3	Other Civil works	3.34	7.10	0.00	0.00	7.100	0.237	0.24	0.00	0.474	6.86	6.63
4	Plant & machinery	5.28	768.69	0.00	0.00	768.690	40.587	40.59	0.00	81.174	728.10	687.52
5	Lines and Cable Networks	5.28	0.45	0.00	0.00	0.454	0.024	0.02	0.00	0.048	0.43	0.41
6	Vehicles	9.5	0.00	0.00	0.00	0.000	0.000	0.00	0.00	0.000	0.00	0.00
7	Furniture & fixtures	6.33	0.10	0.00	0.00	0.103	0.006	0.01	0.00	0.013	0.10	0.09
8	Office Equipments	6.33	4.63	0.00	0.00	4.629	0.293	0.29	0.00	0.586	4.34	4.04
9	Capital spares	5.28	20.60	0.00	0.00	20.599	1.088	1.09	0.00	2.175	19.51	18.42
	Total (1) to (11)		1026.78	0.00	0.00	1026.78	411.33	50.06	10.00	461.40	615.44	565.38

Form G 6.2

LOAN REPAYMENT & INTREST LIABILITY

Name of the Petitioner

Rajasthan Raja Vidhyut Utpadan Nigam Ltd.

Name of the Petitioner

Name of the Power Station :

Suratgarh Super Thermal Power Station

Name of the Power Station :

Year (2016-17)														Rs. Crore				Rs. Crore			
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	Financial charges	Total interest & finance charges	Less: Interest charges capitalised	Net interest & finance charges	Loan swapped during the Year						
						Fixed	Floating								Domestic loan	Foreign loan	old Interest rate	New Interest rate			
1	2	2A	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18			
1	Term Loan 1 to 6	Indian	513.88	3.01	58.64			458.26	12.36%	60.10	6.26	66.36	0.00	66.36	Nil	Nil	Nil	Nil			
2	Transitional Loan 1 to 6	Indian	423.13	0.00	105.49			317.64	9.90%	36.63	0.00	36.63	0.00	36.63	Nil	Nil	Nil	Nil			
Total (for Station)			937.01	3.01	164.12	0.00	0.00	775.90	0.22	96.73	6.26	102.99	0.00	102.99	Nil	Nil	Nil	Nil			

Year (2017-18)														Rs. Crore				Rs. Crore			
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	Financial charges	Total interest & finance charges	Less: Interest charges capitalised	Net interest & finance charges	Loan swapped during the Year						
						Fixed	Floating								Domestic loan	Foreign loan	old Interest rate	New Interest rate			
1	2	2A	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18			
1	Term Loan 1 to 6	Indian	458.26	0.00	50.06	12.36%		408.19	12.36%	53.55	0.00	53.55	0.00	53.55	Nil	Nil	Nil	Nil			
2	Transitional Loan 1 to 6	Indian	317.64	0.00	114.17	9.90%		203.47	9.90%	25.78	0.00	25.78	0.00	25.78	Nil	Nil	Nil	Nil			
Total (for Station)			775.90	0.00	164.24	0.22	0.00	611.66	0.22	79.33	0.00	79.33	0.00	79.33	Nil	Nil	Nil	Nil			

Year (2018-19)														Rs. Crore				Rs. Crore			
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	Financial charges	Total interest & finance charges	Less: Interest charges capitalised	Net interest & finance charges	Loan swapped during the Year						
						Fixed	Floating								Domestic loan	Foreign loan	old Interest rate	New Interest rate			
1	2	2A	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18			
1	Term Loan 1 to 6	Indian	408.19	0.00	50.06	12.36%		358.13	12.36%	47.36	0.00	47.36	0.00	47.36	Nil	Nil	Nil	Nil			
2	Transitional Loan 1 to 6	Indian	203.47	0.00	114.17	9.90%		89.29	9.90%	14.48	0.00	14.48	0.00	14.48	Nil	Nil	Nil	Nil			
Total (for Station)			611.66	0.00	164.24	0.22	0.00	447.42	0.22	61.84	0.00	61.84	0.00	61.84	Nil	Nil	Nil	Nil			

Form G 6.3
Details of Project Specific Loans

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

Rajasthan Rajya Vidhyut Utpadan Nigam Ltd.
Suratgarh Super Thermal 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	LIC, PFC, Govt loan etc						
Currency ²	Indian						
Amount of Loan sanctioned							
Amount of Gross Loan drawn upto previos year/during current/ensuing year/ 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	Yes/ No	Yes/ No	Yes/ No	Yes/ No	Yes/ No	Yes/ No	
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 Instalment ^{13,14}							
Base Exchange Rate ¹⁶							

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 : **Suratgarh Super Thermal 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:
Name of the Power Station :Rajasthan Rajya Vidhyut Utpadan Nigam Ltd.
Suratgarh Super Thermal 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	NA					
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						
9.0	Balance of Plant						
9.1	Mechanical BOP						
9.1.1	Coal handling system / fuel handling system and storage						
9.1.2	Ash handling system						
9.1.3	CW System						
9.1.4	DM Plant						
9.1.5	Raw water system			NA			
9.1.6	Effluent treatment Plant						
9.1.7	Station Piping System						
9.1.8	Fire Fighting System						
9.1.9	Compressed Air System						
9.1.10	Air Conditioning and Ventilation System						
9.1.11	Misc. items including EOT cranes, hoist and elevators etc.						
9.1.12	Tax, Duties, F&I						
9.1.13	Spares						
9.2	Electrical BOP						
9.2.1	Power Transformers						
9.2.2	Switchyard						
9.2.3	Bus Duct						
9.2.4	HT Switchgear						
9.2.5	LT Switchgear						
9.2.6	DC Power System						
9.2.7	Power and Control Cables						
9.2.8	Control and Relay Panels						
9.2.9	Station Lighting						
9.2.10	DG Set						
9.2.11	Electrical equipment erection, cabling and grounding						
9.2.12	Other Misc. items			NA			
9.2.13	Taxes, Duties and F&I						
9.2.14	ETC and spares						
9.3	Total BOP Civil Works						
9.3.1	Main Power house building						
9.3.2	Plant water system						
9.3.3	Chimney						
9.3.4	Permanent Township						
9.3.5	Ash dyke						
9.3.6	Misc. plant buildings						
9.3.7	Temp. sheds						
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						
16.1	Development Expenses						
16.2	Legal Expenses						
16.3	Establishment/ Construction supervision						
16.4	Consultancy and Engineering						
16.5	Audit and Account						
16.6	Contingency						
16.7	Sub-total of Item 16						
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						

Note:

Break-up of Construction / Supply / Service packages

Form G 6.7

Name of the Petitioner :
Name of the Power Station :

Rajasthan Rajya Vidhyut Utpadan Nigam Ltd.
Suratgarh Super Thermal 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/ Depatmentally/ 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																	
2																	
3																	
4																	
5																	
6																	
7																	
8																	
9																	

NA

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

Name of the Petitioner:
Name of the Power Station

Rajasthan Rajya Vidhyut Utpadan Nigam Ltd.
Suratgarh Super Thermal 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												
1.2	Total Indian Loans												
	Draw down Amount												
	IDC												
	Financing charges												
1	Total of Loans drawn												
	IDC												
	Financing charges												
2	Equity												
2.1	Foreign equity drawn												
2.2	Indian equity drawn												
	Total equity deployed												

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

Form G 6.9

RETURN ON EQUITY

Name of the Petitioner: Rajasthan Rajya Vidhyut Utpadan Nigam Ltd.
 Name of the Power Station : Suratgarh Super Thermal Power Station

Rs. Crore

S.No.	Particulars	Reference	FY 2016-17	FY 2017-18			FY 2018-19	Remarks
			(Actuals/audited)	Approved by the Commission	Apr-Sep (Actual)	Estimated for the year (Oct-Mar)	(Anticipated)	
1	2	3	4	5	6	7	8	9
1	Equity at the beginning of the year		1175.40		1176.69	1176.69	1176.69	
2	Capitalisation		4.30		0.00	0.00	0.00	
3	Equity portion of capitalisation		1.29		0.00	0.00	0.00	
4	Equity at the end of the year		1176.69		1176.69	1176.69	1176.69	
	Return Computation							
5	Return on Equity at the beginning of the year	ROE For 2016-17 and onwards is 15.50%	182.19		91.19	91.19	182.39	
6	Return on Equity portion of capitalisation (on pro-rata basis)	ROE For 2016-17 and onwards is 15.50%	0.10		0.00	0.00	0.00	
7	Total Return on Equity	(5)+(6)	182.29	182.19	91.19	91.19	182.39	

Statement of Additional Capitalisation after COD and Details for Financing

Name of the Petitioner:

Rajasthan Rajya Vidhyut Utpadan Nigam Ltd.

Name of the Power Station

Suratgarh Super Thermal Power Station

COD

(Rs. Crore)

S.No.	Work/Equipment added after COD up to Cut off Date / Beyond Cut off Date	Amount Capitalised / Proposed to be capitalised FY 2015-16	Justification	Regulations under which such additional capitalisation has been claimed	Source of Finance					Admitted Cost ¹
					Loan 1	Loan 2 and so on	Total Loan	Equity	Internal Sources or Others (mention details)	
1	Land & land rights	0.00			0			0		
2	Building & Civil works of	0.00			0			0		
3	Hydraulic works	0.00			0			0		
4	Other Civil works	0.00			0			0		
5	Plant & machinery	4.30			3.01			1.29		
6	Lines and Cable Networks	0.00			0			0		
7	Vehicles	0.00			0			0		
8	Furniture & fixtures	0.00			0			0		
9	Office Equipments	0.00			0.0014			0.0006		
10	Capital spares	0.00			0			0		
	Total	4.30			3.0114			1.2906		

Form G 6.11

Interest on Working Capital

Name of the Petitioner
Name of the Power Station

Rajasthan Rajya Vidhyut Utpadan Nigam Ltd.
Suratgarh Super Thermal Power Station

Rs. Crore

S. No.	Particulars		2016-17	2017-18			2018-19	Remarks
			(Actuals / audited)	Approved by the Commission	Apr-Sep (Actual)	OCT-MAR (Estimated for the Year)	(Anticipated)	
1	2		3	4	5	6	8	9
1	Coal Cost (Non pit head)	1½Month	174.17		63.98	206.45	414.03	
2	Coal Cost (Pit head)	Half month			NA	NA	NA	
3	Cost of Gas	Half month			NA	NA	NA	
4	Sec.Fuel Oil	Two month	3.13		0.56	1.47	2.96	
5	Liquid Fuel Stock	Half month			NA	NA	NA	
6	O & M expenses	One month	22.53		11.93	11.93	25.25	
7	Maintenance Spares	20%of O&M	54.08		28.62	28.62	60.60	
8	Recievables	1½Month	270.24		111.85	259.29	519.70	
	Total Working Capital		524.15		216.94	507.76	1022.53	
	Rate of Interest (as per norms)		12.26%		11.80%	11.80%	11.80%	
	Interest on Working Capital		64.26	132.14	25.60	59.92	120.66	

Insurance Expenses

Name of the Petitioner:

Rajasthan Rajya Vidhyut Utpadan Nigam Ltd.

Name of the Power Station :

Suratgarh Super Thermal Power Station

Rs. Crore

S. No.	Particulars	Previous Year	Current Year (n)		Ensuring Year	Remarks	
		2016-17	2017-18		2018-19		
		(Actuals/audited)	Approved by the Comm	Apr-Sep (Actual)	Oct-March (Estimated)		(Anticipated)
1	2	3	4	5	6	7	8
	Insurance Expenses	2.66	2.87	1.40	1.40	2.93	
a)	Provision made/ proposed for the year						
b)	Actual insurance expenses incurred	2.60		1.40	1.40	2.93	
c)	Average Net Fixed Assets	2094.35		1932.32	1932.32	1768.09	

*Note: Licensee to furnish the details of insurance expenses

Tax on R.O.E.

Name of the Petitioner:

Rajasthan Rajya Vidhyut Utpadan Nigam Ltd.

Name of the Power Station :

Suratgarh Super Thermal Power Station

Rs.

S. No.	Particulars	2016-17	2017-18	2018-19	Remarks
		(Actuals/audited)	Actual/ Estimated	Proposed to be recovered	
1	2	3	4	6	7
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)	0.00	0.00	0.00	0.00
B)	Deffered tax liability before 01.04.2009				

Form G 7.1

Name of the Petitioner
Name of the Power Station :

Proposed improvement in performance
Rajasthan Rajya Vidhyut Utpadan Nigam Ltd.
Suratgarh Super Thermal Power Station

Rs. Crore

S.No.	Particulars	Previous year	Current year						Remarks
		FY 2016-17 (Actuals / audited)	FY 2017-18		FY 2018-19	n+3	n+4	n+5	
			Apr-Sep (Actual)	Oct-Mar (Estimated)					
1	2	3	4	5	8	9	10	11	12
1	Plant load factor	33.65%	25.28%	82.00%	82.00%				
2	Auxiliary consumption	10.09%	10.81%	9.00%	9.00%				
3	Specific fuel consumption								
(I)	coal, kg / kWh	0.61	0.64	0.65	0.65				
ii)	gas, SCM / kWh								
(iii)	oil, ml / kWh	1.57	0.58	0.50	0.50				
(iv)	Limestone kg / kWh								
(v)	any other fuel								
4	Station heat rate, kcal / kWh	2452.078915	2427	2476.28	2476.28				
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	85.77%	88.29%	82.00%	82.00%				