

**Petition for
Annual Performance Review of Aggregate Revenue
Requirement for FY 2016-17**

by

Rajasthan Rajya Vidyut Utpadan Nigam Limited

Submitted to

Rajasthan Electricity Regulatory Commission

Jaipur

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DEFINITIONS

Act	The Electricity Act, 2003
Application	This Annual Performance Review Petition for FY 2016-17 for 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. (JVVNL), Ajmer Vidyut Vitran Nigam Ltd. (AVVNL) and Jodhpur Vidyut Vitran Nigam Ltd. (JdVVNL).
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 February- 24, 2014
State	The State of Rajasthan.
Gross Station Heat Rate	Station Heat Rate (SHR) means the heat energy input in kCal required to generate one 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
CERC	Central Electricity Regulatory Commission
FY	Financial Year
FY – 17	Financial Year 2016-17
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
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:

Annual Performance Review Period means Financial Year FY 2016-17

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).

1. ANNUAL PERFORMANCE REVIEW

- 1.1. Rajasthan Rajya Vidyut Utpadan Nigam Ltd (RVUN) filed petition for Annual Revenue Requirement (ARR) and tariff for FY 2016-17 dated 12.04.16 with the Hon'ble Commission in compliance to RERC (Terms & Conditions for Determination of Tariff) Regulations, 2014 issued under section 62 of the Electricity Act, 2003. RVUN submitted the petition for determination of ARR & tariff for FY 2016-17 for the following power stations:

Table 1: RVUN Power Plants for ARR & Tariff for FY 2016-17

Sl. No.	Particulars	Capacity (MW)
1	Kota Thermal Power Station (KTPS)	1240
2	Suratgarh Thermal Power Station (STPS)	1500
3	Ramgarh Gas Thermal Power Plant (RGTPP)	110.50
4	Dholpur Combined Cycle Gas based Power (DCCPP)	330
5	Mahi Hydel Power Project (MAHI)	140
6	Chhabra Thermal Power Plant (CTPP Unit 1&2)	500

- 1.2. The Hon'ble Commission issued its order dated 17.10.2016 on the aforesaid petition and determined ARR & Tariff for the aforementioned plants and units for the year 2016-17.
- 1.3. Regulation 8 (1) of the RERC (Terms & Conditions for Determination of Tariff) Regulations, 2014 provides that where the aggregate revenue requirement and expected revenue from tariff and charges of a Generating Company and Licensee shall be subject to truing up of expenses and revenue during the Control Period with these Regulations.
- 1.4. The Regulation 8 (2) of RERC Tariff Regulations requires that a Generating Company shall make an application for truing up of expenses and revenue of previous year and determination of tariff for the ensuing year, within the times limit specified in these Regulations.
- 1.5. Under Regulation 8 (3) of RERC Tariff Regulations requires that the scope of the Annual Performance Review shall be a comparison of the performance of the Generating Company or Licensee with the approved forecast of aggregate revenue requirement and expected revenue from tariff and charges and shall comprise the following:
- 1.5.1. A comparison of the audited performance of the applicant for the previous financial year with the approved forecast for such previous financial year and truing up of expenses and revenue subject to prudence check ;
 - 1.5.2. Computation of the sharing of gains and losses on account of controllable and uncontrollable factors for the previous year ;
 - 1.5.3. The resultant revenue gap/surplus shall be adjusted as per the order of the Commission
- 1.6. The annual reports and accounts of the company for FY 2016-17 have been now finalized, audited by the Statuary Auditors on 30.08.17 RVUN is submitting a copy of audited annual account of FY 2016-17 with this petition.
- 1.7. The petitioner now on finalization of annual accounts for FY 2016-17 is submitting this

petition for Annual Performance Review of ARR for FY 2016-17 for following Plants:

Table 2: RVUN Power Plants for Annual performance Review of FY 2016-17

Sl. No.	Particulars	Capacity (MW)
1	Kota Thermal Power Station (KTPS)	1240
2	Suratgarh Thermal Power Station (STPS)	1500
3	Ramgarh Gas Thermal Power Plant (RGTPP)	110.50
4	Dholpur Combined Cycle Gas based Power (DCCPP)	330
5	Mahi Hydel Power Project (MAHI)	140
6	Chhabra Thermal Power Plant (CTPP Unit 1&2)	500

- 1.8. The annual account of RVUN comprises of audited figure of above mentioned plants and other plants also such as MMH, RGTPS 160 MW, CTPP unit 3&4 and KaTPP 1&2. For the purpose of this Annual Performance Review, RVUN has considered the audited figure only of plants mentioned in above table.
- 1.9. Commission under regulation 58 of RERC Tariff Regulations 2014 has fixed the tariff of Rs 3.78/kWh, which will continue to be allowed for the existing Mini-micro power station, therefore RVUN has not filed the Annual Performance Review petition for MMH for FY 2016-17.
- 1.10. Annual Performance Review petition shall be filed separately for CTPP unit 3&4, RGTPS 160 MW and KaTPP Unit 1&2 for FY 2016-17.

2. ANNUAL PERFORMANCE REVIEW OF ARR OF RVUN FOR FY 2016-17

- 2.1 The Annual Performance Review of ARR for each existing power station has been prepared and submitted under following heads:
- Annual Performance Review of Capacity Charges
 - Annual Performance Review of Energy Charges
 - Annual Performance Review of Total ARR and revenue receipts
- 2.2 In this application/petition Rajasthan Rajya Vidyut Utpadan Nigam Ltd submitting consolidated Annual Performance Review Petition for power plant mention in table no. 1 for FY 2016-17 based on audited accounts for FY 2016-17.

Generation Details

- 2.3 The Gross generation and unit sent out of RVUN power stations during FY 2016-17 has been detailed in Table below:

Table 3: Approved Vs Actual Generation of RVUN Plants for FY 2016-17

S. No	Particulars	Approved RERC order*	Claimed F.Y. 2016-17**
1	Unit Generated (MU)	26176.19	16152.02
2	Auxiliary Consumption	2194.12	1705.30
3	Units Sent out (MU)	23982.08	14446.72

*The approved figure does not include Mahi generation

**The above generation and sent out is for KTPS, STPS, CTPP unit 1&2, RGTPS 110.5 MW, Mahi and DCCPP only.

Annual Performance Review of Fixed Charges

- 2.4 The element-wise fixed cost approved by the Hon'ble Commission vide order dated 17.10.2016 (KTPS, STPS, RGTPS, DCCPP, CTPP and Mahi) and actual fixed cost as Claimed for FY 17 is given at Table 4. The variation figure between billed amount as per RERC approval and actual cost has also been indicated against each of the line items as mentioned below:

Table 4: Annual Performance Review of RVUN Fixed Cost for FY 17 (Rs in Crore)

Particulars	Approved RERC order	Claimed FY17	Deviation
Operation & Maintenance Expenses	662.37	590.71	-71.66
Depreciation	404.33	429.12	24.79
Interest & Finance Charges on Term Loan	311.1	316.44	5.34
Interest on Transitional Loan	39.92	39.97	0.05
Insurance on Fixed Assets	9.44	10.35	0.91
Interest on Working Capital	258.61	189.16	-69.45
Recovery of ARR and Tariff petition Fees	1.92	1.92	0.00
Prior Period Expenses/Income	0.00	0.00	0.00
Additional Liability towards pension and gratuity	0.00	44.65	44.65
Return on Equity	433.77	436.22	2.45

Particulars	Approved RERC order	Claimed FY17	Deviation
Tax on Return on Equity	0.00	0.00	0.00
Total Fixed Charge	2121.46	2058.54	-62.92
Less: Non-Tariff Income	7.76	40.32	32.56
Net Fixed Charge	2113.70	2018.21	-95.49
Rate of Fixed Charges Charge(Rs./kWh)	0.88	1.40	0.52

- 2.5 The actual fixed cost during FY 2016-17 as per claim is Rs. 2018.21 Crores and has been less than the Approved fixed cost of Rs.2113.70 Crores by Rs 95.49 Crores. The major variation is towards operation and maintenance, depreciation, interest on working capital loan, terminal benefit and non tariff income, which has been explained in variation analysis table of respective power stations.
- 2.6 **Plant wise actual O&M expenses** and Statement showing the computation for sharing of gains and losses on account of controllable / uncontrollable factors, as required under regulation no. 8(3) Sub- regulation a & b of RERC Tariff regulations, 2014 has been provided at annexure **A**.
- 2.7 **Plant wise interest on term loan, interest on transitional loan and interest on working capital** have been provided at annexure **B**. Statement showing the computation for sharing of gains and losses on account of controllable / uncontrollable factors, as required under regulation no. 8(3) Sub- regulation a & b of RERC Tariff regulations, 2014 has been provided at annexure at **annexure C**.
- 2.8 **Details of Allocation of prior period is enclosed as Annexure –D**
- 2.9 **Recovery of ARR and Tariff petition fee paid by RVUN** has been claimed as per actual payment, detail has been provided in the **Annexure E**.
- 2.10 Statement of weighted average interest rate is enclosed as **Annexure-F**.

Annual Performance Review of Energy Charges

- 2.11 The weighted averages of energy charges of Rs. **3.77** per kWh for KTPS (Unit 1 to 7), STPS (Unit 1 to 6), RGTPP 110.5 MW, DCCP and CTPP unit1&2 power station have been approved by the Hon'ble Commission vide order dated 17.10.2016 at the normative level. The actual energy charges as claimed for FY 17 works out to Rs. **4.47** per kWh. The consolidated position of fixed charges, variable charges and rate of sale of energy has been indicated at Table below:

Table 5: Rate of Sale of Energy of RVUN as a whole for FY 17

S. No	Particulars	Approved RERC Order	Actual/Audited FY 16
1	Fixed Cost (Rs. in crore)	2113.7	2018.21
2	Variable Cost (Rs. in crore)	6926.43	4440.86
3	Total Cost (Rs. in crore)	9040.13	6459.07
4	Unit Sold to Discoms (MUs)	23982.08	14446.72
5	Rate of Fixed Charge(Rs/kWh)	0.88	1.40

S. No	Particulars	Approved RERC Order	Actual/Audited FY 16
6	Rate of Variable Charge(Rs./kWh)	2.89	3.07
7	Rate of Sale of Energy (Rs./kWh)	3.77	4.47

Table 6: Total Annual Performance Review for FY 2016-17 (Rs in Crore)

Particulars	RVUN	
	As per RERC order	Claimed F.Y. 2016-17
Cost side True Up		
Total Fixed Cost	2113.68	2018.21
Variable cost	6926.43	4440.86
PLF incentive	0.00	0.00
Late Payment Surcharge		936.20
Total Expenses	9040.11	7395.27
Extra Cost incurred By RVUNL (A)		-1644.85
Revenue Side True up		
Revenue From electricity (fixed And Energy charges)	9040.11	6201.47
PLF incentive	0.00	0.00
Late Payment Surcharge		936.20
Total Revenue	9040.11	7137.67
Extra Amount billed to Discom by RVUNL (A-B)		-1902.44
Total True up Calculation		
Total Amount Sought from Discom C=(A-B)		257.60
D: Additional gain of O&M expenses		71.66
E: Advance Against Depreciation		18.38
Total Amount Sought from Discom F=C+D-E		310.88

2.12 The deviation in actual energy charges from approved figure is attributed to variation in operating parameters

2.13 For the purpose of recovery of fixed charges in the current Annual performance review of FY 2016-17, RVUN request the Hon'ble Commission to consider the Following Deemed PLF for FY 2016-17. The certificates from SLDC for loss of Generation due to back down and box up instruction from SLDC are enclosed as **Annexure H**.

Table 7: Deemed PLF for FY 2016-17

Particulars	KTPS Unit# 1 to 7	STPS Unit# 1 to 6	DCCPP	RGTPP (110.5 MW)	CTPP Unit# 1 & 2
Gross Generation (MU)	7486.91	4474.71	124.85	451.62	3404.26
Auxiliary Consumption (MU)	858.12	451.43	30.00	19.85	344.79
Auxiliary Consumption (%)	11.46	10.09	24.03	4.39	10.13
Net Unit Sent Out (MU)	6628.79	4023.28	94.86	431.77	3059.46
Deemed Generation (MU)	2117.07	6232.09	648.17	0.17	183.96
Deemed Sent out (MU)	8745.86	10255.37	743.03	431.95	3243.42

Particulars	KTPS Unit# 1 to 7	STPS Unit# 1 to 6	DCCPP	RGTPP (110.5 MW)	CTPP Unit# 1 & 2
Sent out PLF%	67.26	33.65	3.38	45.70	76.76
Deemed PLF %	88.74	85.77	26.47	45.72	81.37

The plant wise detail of fixed and variable charges has been summaries in following paras:

3. ANNUAL PERFORMANCE REVIEW OF ARR OF KTPS FOR FY 2016-17

3.1 The Annual Performance Review of ARR for Kota Super Thermal Power Station has been prepared and analyzed under following heads:

- a. Annual Performance Review of Capacity Charges
- b. Annual Performance Review of Energy Charges
- c. Annual Performance Review of Total ARR and revenue receipts

Generation Details

3.2 The plant availability, Plant Load Factor and generation of KTPS during FY 2016-17 was higher than target levels as detailed in Table below:

Table 8: KTPS Availability, PLF and Generation

Particulars	Approved RERC order	Claimed F.Y. 2016-17
	Unit 1-7	Unit 1-7
Plants units		
Capacity in (MW)	1240	1240
Availability	82.00	88.74
PLF	82.00	67.26
Unit generated(MU)	8907.17	7486.91
Auxiliary Consumption (%)	9.27	11.46
Auxiliary Consumption (MU)	825.69	858.12
Unit Sent Out (MU)	8081.47	6628.79

Annual Performance Review of KTPS Capacity Charges

Capital cost

- 1.1 Unit 1-6: 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 KTPS has been considered as Rs.1257.63 crore for FY 2016-17.
- 1.2 Similarly, as per aforesaid true up order of FY 2015-16, the approved capital cost of KTPS Unit 7 as on 01.04.2016 has been considered as Rs. 851.85 Crore.
- 1.3 Further during FY 2016-17, RVUN has incurred additional capitalisation of Rs. 0.16 crore under units 1-6 of KTPS power Station as per regulation 17(2) of RERC, Tariff Regulations, 2014. The detail of additional capitalization is as follows:
 - a. Rs. 0.13 crore has been incurred towards purchase of ambulance.
 - b. Rs. 0.02 crore has been incurred towards purchase of office equipments
- 1.4 Both the additional capitalization have been incurred as per RERC tariff Regulation 17(2)(iv) of Regulations 2014, which states 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 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.

- 1.5 Accordingly, RVUN request the Hon'ble Commission to allow the depreciation on the aforesaid assets as claimed below:
- 1.6 The element-wise fixed cost approved by the Hon'ble Commission and actual fixed cost as per audited accounts for FY 2016-17 are given at table below. The variation of fixed cost from audited figure also indicated against each other:

Table 9: Annual Performance Review of KTPS Fixed Cost for FY 17 (Rs. in Crore)

Fixed Charges	Approved RERC order	Claimed FY17	Deviation
1	2	3	4=3-2
Operation & Maintenance Charges	223.54	237.36	13.82
Depreciation	54.42	76.13	21.71
Interest & Finance Charges on Term Loan	47.72	53.69	5.97
Interest on Transitional Loan	0.59	0.79	0.20
Insurance on Fixed Assets	3.00	2.92	-0.08
Interest on working Capital	78.16	78.66	0.50
Recovery of ARR and tariff Petition fees	0.62	0.62	0.00
Prior period Expenses/Income	0.00	0.00	0.00
Additional Liability towards pension & Gratuity	0.00	19.83	19.83
Return on Equity	75.99	78.13	2.14
Tax on Return on Equity	0.00	0.00	0.00
Total fixed Charges	484.04	548.14	64.10
Less:- Non-Tariff Income	4.38	18.08	13.70
Net fixed Charges	479.66	530.05	50.39
Rate of Fixed Charges Charge(Paisa/kWh)	0.59	0.80	0.21

- 1.7 The actual fixed cost of Rs. 530.05 of KTPS during FY 2016-17 is higher than the approved fixed cost of Rs. 479.66 Crores by Rs. 50.39 Crores. The major variation is towards O&M Cost, depreciation charges and interest working capital loan, terminal benefit and Non Tariff Income which has been explained in variation analysis table. The element-wise deviation in actual fixed cost vis-à-vis fixed cost as approved by the Hon'ble Commission Order dated 17.10.2016 along with reason for such variation has been indicated in Table below.

Table 10: Variation analysis of KTPS Fixed Cost for FY 17

Individual Items	Deviation (in crores)	Type	Reason for deviation
Operation & Maintenance Charges	13.82	controllable	Since units are old, required various R&M works for smooth operation.
Depreciation	21.71	uncontrollable	Due to adjustment of excess depreciation by Commission in approved figure and approved additional capitalization during FY 2014-15 and FY 2015-16
Interest & Finance Charges on Term Loan	5.97	uncontrollable	Due to weighted average rate of interest and

Individual Items	Deviation (in crores)	Type	Reason for deviation
			approved capitalization during FY 2014-15 and FY 2015-16 and additional capitalization claimed in FY 2016-17
Interest on Transitional Loan	0.20	uncontrollable	As approved by the Commission after true up order for FY 2015-16
Insurance on Fixed Assets	-0.08	uncontrollable	Difference due to actual expense claimed as per Regulation 25 of RERC Tariff Regulation,2014.
Interest on working Capital	0.50	controllable	Due to delay in payment by Discoms, RVUN has incurred additional cost towards working capital loan
Recovery of ARR and tariff Petition fees	-	uncontrollable	ARR and Tariff Fee Paid during the year has been claimed
Prior period Expenses/Income	-	uncontrollable	Expenditures related to past period, unforeseen and claimed on actual basis.
Additional Liability towards pension & Gratuity	19.83	uncontrollable	RVUN has remitted the amount to the designated fund during 2016-17
Return on Equity	2.14	uncontrollable	Due to additional capitalization claimed during FY 2016-17 and approved additional capitalization during FY 2014-15 and FY 2015-16
Non Tariff Income	13.70	uncontrollable	Actual have been claimed
Total	50.39		Total deviation in actual and approved net fixed cost

Annual Performance Review of Energy Charges

1.8 The energy charges of Rs. 2.53 per kWh have been approved by the Hon'ble Commission vide order dated 17.10.2016 at the normative level. The actual energy charges based on audited Accounts for FY 17 works out to Rs. 3.09 per kWh. The deviation in actual energy charges from approved figure is attributed to variation in operating and fuel parameters:

Table 11: Actual Variable Charges of KTPS for FY 17

S. No	Particulars	Approved RERC	Claimed
		order	F.Y. 2016-17
	Plant Unit	Unit 1-7	Unit 1-7
1	Capacity in MW	1240	1240
2	Availability	82	88.74
3	PLF	82	67.26
4	Unit Generated (MU)	8907.17	7486.91
5	Auxiliary Consumption	825.69	858.12
6	Unit Sent Out	8081.47	6628.79
7	SHR kCal/kWh	2561.70	2551.16
8	Specific Indian Coal Consumption (kg/kWh)		0.66
9	Specific Imported Coal Consumption (kg/kWh)		0.00
10	Specific Oil (HSD)Consumption (ml/kWh)		0.81
11	Specific Oil (HFO)Consumption (ml/kWh)		
14	GCV of Indian Coal (kCal/kg)	4017.13	3846.40
14	GCV of imported Coal (kCal/kg)	0.00	0.00
14	GCV of oil (LDO) (kCal/litre)	9446.28	9546.87
15	GCV of oil (HFO) (kCal/Litre)	25114.61	
16	Consumption (Indigenous Coal) MT		4950759.00
17	Consumption (Imported Coal) MT		0.00
18	Consumption (HFO) KL		6047.06
19	Consumption (HSD) KL		
20	Price of Indian Coal (Rs. / MT)	3602	4088
21	Price of imported Coal (Rs. / MT)	0	0
22	Price of Oil (LDO) (Rs. / KL)	42845.63	27752
23	Price of Oil (HFO) (Rs. / KL)	25115	
24	Cost of coal (Rs. In crore)		2023.97
25	Cost of Oil (Rs. In crore)		16.78
26	Other charges		9.12
27	Variable cost of generation (Rs. In crore)	2048.51	2049.88
28	Variable Cost Rs. / kWh sent out	2.53	3.09

- 1.9 KTPS achieved a Plant Load Factor of 67.26% lower than the normative PLF of 82%, with deemed generation of 2117.07 MU and Deemed PLF of 88.74%.
- 1.10 Auxiliary consumption does not reduce in proportion to reduction in generation in compliance to instructions issued by SLDC. All the running auxiliary equipments certain major auxiliaries viz. CW, ACW, DMCCW, Water System, FD Fan, Compressed Air System continue to run on rated capacities while a few auxiliaries viz. Coal Mills, ID Fan run on reduced load though not in same proportion. Therefore, such loss of generation, if availed, the overall auxiliary consumption would be achieved within normative value.
- 1.11 There has been 2117.07 MU loss of generation and consequently considerable increase auxiliary consumption due to frequent back down and box up instructions from SLDC has been observed. The back down and box up instruction from SLDC are beyond the control of RVUN and are one of the reasons of increase in Auxiliary consumption.

1.12 Also due to tube mills are used instead of bowl mills the Auxiliary Consumption is higher than normative because the tube mills are of high rating (2100 KW x 3 i.e. in units -5,6&7) then bowl mills (340 KW x4 i.e. in units -1,2,3&4) and these mills always runs on full capacity as balls are always loaded in the mills.

Total Annual Performance Review of KTPS

1.13 The net effect of variation in Fixed Cost, Variable Charges and Revenue Receipts of actual as claimed for FY 17 with approved ARR order vide RERC Order dated 17.10.2016 is summarised below:

Table 12: Total Annual Performance Review of KTPS for FY 17 (Rs. in Crore)

Particulars	KTPS Unit 1-7	
	As per RERC order	Claimed F.Y. 2016-17
<u>Cost side True Up</u>		
Total Fixed Cost	479.66	530.05
Variable cost	2048.51	2049.88
Add: PLF Based Incentive		
Total Expenses	2528.17	2579.93
Extra Cost incurred By RVUNL (A)		51.76
<u>Revenue Side True up</u>		
Revenue From electricity (fixed And Energy charges)	2528.17	2483.89
Add: PLF Based Incentive		
Total Revenue	2528.17	2483.89
Extra Amount billed to Discom by RVUNL (B)		-44.29
Total True up Calculation		
Total Amount Sought from Discom C=(A-B)		96.04
D: Additional gain of O&M expenses		-13.82
E: AAD		18.38
Total Amount Sought from Discom F=C+D-E		63.85

1.14 As presented in the table above RVUNL requests commission to allow the Annual Performance Review amount of Rs. 63.85 Crore as mentioned above.

4. ANNUAL PERFORMANCE REVIEW OF ARR OF STPS FOR FY 2016-17

4.1 The Annual Performance Review of ARR for Suratgarh Super Thermal Power Station has been prepared and analyzed under following heads:

- a. Annual Performance Review of Capacity Charges
- b. Annual Performance Review of Energy Charges
- c. Annual Performance Review of Total ARR and revenue receipts

Generation Details

4.2 The Actual plant availability, Plant Load Factor and generation of STPS during FY 2016-17 against the approved are as detailed in table below:

Table 13: STPS Availability, PLF and Generation

Particulars	Approved RERC order	Claimed F.Y. 2016-17
Plants units	Unit 1-6	Unit 1-6
Capacity in (MW)	1500	1500
Availability	82.00	85.77
PLF	82.00	33.65
Unit generated(MU)	10774.8	4474.711
Auxiliary Consumption (%)	9.00	10.09
Auxiliary Consumption (MU)	969.73	451.43
Unit Sent Out (MU)	9805.07	4023.28

Annual Performance Review of STPS Capacity Charges

4.3 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.

4.4 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.

4.5 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 details are enclosed as **Annexure-I**.

4.6 The detail of additional capitalization is as given below:

S.No.	Particulars	Amount (Cr.)	PO. No. and date	Date of completion	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

4.7 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 as per audited accounts and allow the depreciation on the aforesaid assets as claimed below:

4.8 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).

4.9 The element-wise fixed cost approved by the Hon'ble Commission vide order dated 17.10.2016 and actual fixed cost as claimed for FY 17 is given at table below. The variation of fixed cost as claimed from approved figure also indicated against each:

Table 14: Annual Performance Review of STPS Fixed Cost for FY 17 (Rs. in Crore)

Fixed Charges	Approved RERC order	Claimed FY17	Deviation
1	2	3.00	4=3-2
Operation & Maintenance Charges	270.41	224.43	-45.98
Depreciation	163.74	164.12	0.38
Interest & Finance Charges on Term Loan	62.72	66.36	3.64
Interest on Transitional loan	36.92	36.63	-0.29
Insurance on Fixed Assets	2.86	2.66	-0.20
Interest on working Capital	122.06	64.26	-57.80
Recovery of ARR and tariff Petition fees	0.75	0.75	0.00
Prior period Expenses/Income	0.00	0.00	0.00
Additional Liability towards pension & Gratuity	0.00	12.81	12.81
Return on Equity	181.99	182.29	0.30
Tax on Return on Equity	0.00	0.00	0.00
Total Fixed Charge	841.45	754.32	-87.13
Less: Non-Tariff Income	1.85	7.38	5.53
Net Fixed Charge	839.60	746.94	-92.66
Rate of Fixed Charges Charge(Paisa/kWh)	0.86	1.86	1.00

4.10 The actual fixed cost of Rs. 746.94 Crores STPS during FY 2016-17 as claimed is less than the approved fixed cost of Rs. 839.60 Crores as per ARR Order dated 17.10.2016. The item of major variation in approved ARR was towards items like operation and maintenance, terminal benefit and interest on working capital. The element-wise deviation in actual fixed cost vis-à-vis fixed cost according to as approved by the Hon'ble Commission Order dated 17.10.2016 along with reason for such variation has been

indicated in table below.

Table 15: Variation analysis of STPS Fixed Cost for FY 15

Individual Items	Deviation (in crores)	Type	Reason for deviation
Operation & Maintenance Charges	-45.98	controllable	Due to operational efficiency
Depreciation	0.38	uncontrollable	Due to additional capitalization claimed during the year and approved additional capitalization during FY 2014-15 and FY 2015-16
Interest & Finance Charges	3.64	uncontrollable	Due to additional capitalization claimed during the year and approved additional capitalization during FY 2014-15 and FY 2015-16 and interest rate variation
Interest on Transitional Loan	-0.29	uncontrollable	As approved by the Commission after true up order for FY 2015-16
Insurance on Fixed Assets	-0.20	uncontrollable	Difference due to actual expense claimed as per Regulation 25 of RERC Tariff Regulation, 2014.
Interest on working Capital	-57.80	controllable	Due to delay in payment by Discoms, RVUN has incurred additional cost towards working capital loan
Recovery of ARR and tariff Petition fees	0.00	uncontrollable	ARR and Tariff Fee Paid during the year has been claimed
Prior period Expenses/Income	0.00	uncontrollable	Expenditures related to already past period, unforeseen and claimed on actual basis.
Additional Liability towards pension & Gratuity	12.81	uncontrollable	RVUN has remitted the amount to the designated fund during 2016-17
Return on Equity	0.30	uncontrollable	Due to additional capitalization claimed during FY 2016-17 and approved additional capitalization during FY 2014-15 and FY 2015-16
Non Tariff Income	5.53	uncontrollable	Actual have been claimed
Total	-92.66		Total deviation in actual and approved net fixed cost

Annual Performance Review of Energy Charges

4.11 The energy charges of Rs.3.32 per kWh have been approved by the Hon'ble Commission vide order dated 17.10.2016 at the normative level. The actual energy charges based on audited Accounts for FY 17 works out to Rs. 3.52 per kWh. The deviation in actual energy charges from approved figure is attributed to variation in operating parameters:

Table 16: Actual Variable Charges of STPS for FY 17

S. No	Particulars	Approved	Claimed F.Y. 2016-
		RERC order	17
	Plant Unit	Unit 1-6	Unit 1-6
1	Capacity in MW	1500	1500
2	Availability		85.77
3	PLF	82	33.65
4	Unit Generated (MU)	10774.8	4474.71
5	Auxiliary Consumption	969.73	451.43
6	Unit Sent Out	9805.07	4023.28
7	SHR Kcl/kWh	2476.28	2452.08
8	Specific Indian Coal Consumption (kg/kWh)		0.61
9	Specific Imported Coal Consumption (kg/kWh)		0.00
10	Specific Oil (LDO)Consumption (ml/kWh)		1.57
11	Specific Oil (HFO)Consumption (ml/kWh)		
14	GCV of Indian Coal (kCal/kg)	4108.74	4023.00
14	GCV of imported Coal (kCal/kg)	0.00	0.00
14	GCV of (LDO) (kCal/ltr)	9679.79	9835.56
15	GCV of (HFO) (kCal/ltr)	9822.79	
16	Price of Indian Coal (Rs. / MT)	4996.98	5140.96
17	Price of imported Coal (Rs. / MT)	0.00	0.00
18	Price of Oil (LDO) (Rs. / KL)	41882.25	26741.81
19	Price of Oil (HFO) (Rs. / KL)	25754.60	
20	Total Fuel Consumption - Indian Coal		2710240.00
21	Total Fuel Consumption - Imported Coal		0.00
22	Total Fuel Consumption - Oil		7020.34
23	Cost of coal (Rs. In crore)		1393.32
24	Cost of Oil (Rs. In crore)		18.77
25	Other charges		2.88
26	Variable cost of generation (Rs. In crore)	3252.74	1414.97
27	Variable Cost Rs. / kWh sent out	3.32	3.52

4.12 STPS achieved a Plant Load Factor of 33.65% lower than the normative PLF of 82%, with deemed generation of 6232.09 MU and Deemed PLF of 85.77%.

4.13 Auxiliary consumption does not reduce in proportion to reduction in generation in compliance to instructions issued by SLDC. All the running auxiliary equipments certain major auxiliaries viz. CW, ACW, DMCCW, Water System, FD Fan, Compressed Air System continue to run on rated capacities while a few auxiliaries viz. Coal Mills, ID Fan run on reduced load though not in same proportion. Therefore, such loss of generation, if availed, the overall auxiliary consumption would be achieved within normative value.

Therefore, RVUN request Hon'ble Commission to allow actual Auxiliary Consumption.

Total Annual Performance Review of STPS

4.14 The net effect of variation in Fixed Cost, Variable Charges and Revenue Receipts of actual as claimed for FY 17 with approved ARR order vide RERC Order dated 17.10.2016 is summarised below:

Table 17: Total Annual Performance Review of STPS for FY 17 (Rs. in Crore)

Particulars	STPS Unit 1-6	
	As per RERC order	Claimed F.Y. 2016-17
Cost side True Up		
Total Fixed Cost	839.60	746.94
Variable cost	3252.74	1414.97
Total Expenses	4092.34	2161.92
Extra Cost incurred By RVUNL (A)		-1930.42
Revenue Side True up		
Revenue From electricity (fixed And Energy charges)	4092.34	2248.41
Add: PLF Based Incentive	0	0
Total Revenue	4092.34	2248.41
Extra Amount billed to Discom by RVUNL (B)		-1843.93
Total True up Calculation		
Total Amount Sought from Discom C=(A-B)		-86.49
D: Additional gain of O&M expenses		45.98
Total Amount Sought from Discom F=C+D		-40.51

4.15 As presented in the table above RVUNL requests commission to allow the Annual Performance Review amount of Rs (40.51) Crore as mentioned.

5. ANNUAL PERFORMANCE REVIEW OF ARR OF DCCPP FOR FY 2016-17

5.1. The Annual Performance Review of ARR for Dholpur Combined Cycle Power Plant has been prepared and analyzed under following heads:

- a. Annual Performance Review of Capacity Charges
- b. Annual Performance Review of Energy Charges
- c. Annual Performance Review of Total ARR and revenue receipts

Generation Details

5.2. The plant availability, Plant Load Factor and generation of DCCPP during FY 2016-17 against target levels is detailed in table below:

Table 18: DCCPP Availability, PLF and Generation for FY 17

Particulars	Approved RERC order	Claimed F.Y. 2016-17
Capacity in (MW)	330	330
Availability (%)	80.00	26.47
PLF (%)	80.00	3.38
Unit Generated (MU)	2312.64	124.85
Auxiliary Consumption (%)	2.90	24.03
Auxiliary Consumption (MU)	67.07	30.00
Units Sent out (MU)	2245.57	94.86

Annual Performance Review of DCCPP Fixed Charges

5.3. 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 DCCPP has been considered as Rs.1115 Crore. Further, RVUN has incurred additional capitalization of Rs. 0.14 crore, i.e. Rs. 0.02 Crore towards furniture and fixtures and Rs. 0.12 crore towards capital spares.

5.4. Regulation 17(2)(iv) of RERC Tariff Regulations 2014 on additional capitalization provides 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:

5.5. The details of additional capitalization during FY 2016-17 is as given below:

Additional capitalization for FY 2016-17

S.No.	Particulars	Amount	Justification/Remark
1	Furniture & Fixtures	182551	Incurred as per Regulations 17 (2) (iv) of RERC Tariff Regulations 2009.
2	Capital (initial) Spares	1243012	It is also the part of Original scope of work (Initial spares) done by BHEL against order no. (1132/17.03.2008 & 4072/05.11.08) incurred towards deferred payment of earlier years.

S.No.	Particulars	Amount	Justification/Remark
	Total	1425563	

5.6. Accordingly RVUN request the Hon'ble Commission to approve the aforesaid additional capitalization during FY 2016-17.

5.7. The element-wise fixed cost bill as approved by the Hon'ble Commission vide order dated 17.10.2016 and actual fixed cost as claimed for FY 17 is given at table. The variation of Actual claimed fixed cost from approved figure also indicated against each:

Table 19: Annual Performance Review of DCCPP Fixed Cost for FY 17 (Rs. in Crore)

Fixed Charges	Approved RERC order	Claimed FY17	Deviation
1	2	3	4=3-2
Operation & Maintenance Expenses	44.59	20.21	-24.38
Depreciation	57.92	57.94	0.02
Interest & Finance Charges on Term Loan	31.44	28.93	-2.51
Interest on Transitional Loan	2.41	2.39	-0.02
Insurance on Fixed Assets	0.92	0.96	0.04
Interest on Working Capital	21.75	5.72	-16.03
Recovery of ARR and Tariff petition Fees	0.17	0.17	0.00
Prior Period Expenses/Income	0.00	0.00	0.00
Additional Liability towards pension and gratuity	0.00	1.69	1.69
Return on Equity	53.79	53.79	0.00
Tax on Return on Equity	0.00	0.00	0.00
Total Fixed Charge	212.99	171.80	-41.19
Less: Non-Tariff Income	0.17	0.26	0.09
Net Fixed Charge	212.81	171.54	-41.27
Rate of Fixed Charges Charge(Paisa/kWh)	0.95	18.08	17.14

5.8. The actual fixed cost of DCCPP during FY 2016-17 has been lower than the net fixed cost as per RERC Order dated 17.10.2016. The element-wise deviation in actual fixed cost vis-à-vis fixed cost as per approved Order dated 17.10.2016 along with reason for such variation has been indicated in table below.

Table 20: Variation analysis of DCCPP Fixed Cost for FY 17

Individual Items	Deviation (in crores)	Type	Reason for deviation
Operation & Maintenance Charges	-24.38	controllable	Due to operational efficiency
Depreciation	0.02	uncontrollable	Due to additional capitalization claimed during FY 2016-17
Interest & Finance Charges	-2.51	uncontrollable	Due to interest rate variation
Interest on Transitional Loan	-0.02	uncontrollable	As approved by the Commission after true up order for FY 2015-16

Individual Items	Deviation (in crores)	Type	Reason for deviation
Insurance on Fixed Assets	0.04	uncontrollable	Difference due to actual expense claimed as per Regulation 25 of RERC Tariff Regulation,2014.
Interest on working Capital	-16.03	controllable	Due to lower generation, lower requirement of working capital on cost of generation
Recovery of ARR and tariff Petition fees	0.00	uncontrollable	ARR and Tariff Fee Paid during the year has been claimed
Prior period Expenses/Income	0.00	uncontrollable	Expenditures related to past period, unforeseen and claimed on actual basis.
Additional Liability towards pension & Gratuity	1.69	uncontrollable	RVUN has remitted the amount to the designated fund during 2016-17
Return on Equity	0.00		Due to additional capitalization claimed during the year
Non Tariff Income	0.09	uncontrollable	Actual have been claimed
Total	-41.27		Total deviation in actual and approved net fixed cost

Annual Performance Review of Energy Charges

5.9. The energy charges of Rs. 3.57 per kWh have been approved by the Hon'ble Commission vide order dated 17.10.2016 at the normative level. The actual energy charges based on audited Accounts for FY 17 works out to Rs. 5.14 per kWh. The deviation in actual energy charges from approved figure is attributed to variation in operating parameters:

Table 21: Actual Variable Charges of DCCPP for FY 17

Particulars	Approved RERC order	Claimed F.Y. 2016-17
Capacity in (MW)	330	330
Availability (%)	80.00	26.47
PLF (%)	80.00	3.38
Unit Generated (MU)	2312.64	124.85
Auxiliary Consumption	67.07	30.00
Units Sent out (MU)	2245.57	94.86
SHR kCal/kWh	1994.00	2334.08
Specific Gas consumption(scm/kWh)		0.25
GCV of gas (kCal/scm)	9196.45	9197.63
Price of gas (Rs./ Scm)	15.99	15.38
Cost of Gas (Rs. In Cr)		48.73
Other Charges		0.00
Variable Cost of generation (Rs.in Cr)	801.79	48.73
Variable cost Rs. /kWh sent out	3.57	5.14

- 5.10. DCCPP could achieve only 3.38% PLF against the target PLF of 80% due to lower gas availability & SLDC back down / box up instructions. There has been 648.17 MU loss of generation due to back down/box up instruction from SLDC. Based on above certified loss of generation by SLDC, the deemed PLF has been computed as 26.47%.
- 5.11. The plant was operational under combined cycle for 1167.79 hrs and open cycle for 56.75 hrs enclosed as **Annexure J**, thus the normative SHR worked out to be 1990.78 kCal/kWh. The DCCPP Plant has recorded the actual SHR of 2334.08 kCal/kWh against the normative SHR of 1994 kCal/kWh. Further, based on above operational hrs of combined cycle and open cycle, the normative auxiliary consumption come out to be 2.907 %, where as the actual auxiliary consumption recorded by DCCPP is 24.03%.
- 5.12. Further, the lower availability of gas and back down/box up instruction from SLDC in turn has increased the SHR and auxiliary consumption of the plant as the plant was running at partial load at regular basis.
- 5.13. Since the gas availability and back down/box up instructions by SLDC both are beyond the control of RVUN and has direct impact on the SHR and Auxiliary consumption of plant. Thus, RVUN request the Commission to allow the actual SHR of 2321.72 kCal/kWh and auxiliary consumption of 24.03%, while approving the annual performance review of FY 2016-17.
- 5.14. The efficiency of gas based power plants directly depends on ambient temperature, ambient pressure and relative humidity. During summer season the temperature at Dholpur is very high which affects the performance of gas turbine and increases SHR. During winter temperature is very low and fog is also present there due to which relative humidity of air increases, hence density of air decreases which becomes insufficient for complete burning of the fuel therefore consumption of fuel increases for the same output. In other words SHR of the plants increases. Therefore, RVUN request the Hon'ble Commission to allow actual SHR achieved by the plant for true up FY 2016-17.

Total Annual Performance Review of DCCPP

- 5.15. The net effect of variation in Fixed Cost, Variable Charges and Revenue Receipts of actual as per Audited Accounts for FY 17 with approved ARR order vide RERC Order dated 17.10.2016 as follows:

Table 22: Annual Performance Review of DCCPP Revenue and Cost of Generation for FY 17 (Rs. in Crore)

Particulars	DCCPP	
	As per RERC order	Claimed F.Y. 2016-17
<u>Cost side True Up</u>		
Total Fixed Cost	212.81	171.54
Variable cost	801.79	48.73

Total Expenses	1014.60	220.26
Extra Cost incurred By RVUNL (A)		-794.34
<u>Revenue Side True up</u>		
Revenue From electricity (fixed And Energy charges)	1014.60	102.74
Total Revenue	1014.60	102.74
Extra Amount billed to Discom by RVUNL (B)		-911.86
Total True up Calculation		
Total Amount Sought from Discom C=(A-B)		117.52
D: Additional gain of O&M expenses		24.38
Total Amount Sought from Discom F=C+D		141.90

5.16. As presented in the table above RVUNL requests commission to allow the Annual Performance Review amount of Rs. 141.90 Crore as mentioned.

6. ANNUAL PERFORMANCE REVIEW OF ARR OF RGTPS FOR FY 2016-17

1.15 The Annual Performance Review of ARR for Ramgarh Gas Thermal Power Station has been prepared and analyzed under following heads:

- a. Annual Performance Review of Capacity Charges
- b. Annual Performance Review of Energy Charges
- c. Annual Performance Review of Total ARR and revenue receipts

Generation Details

1.16 The actual plant availability, plant load factor and generation of RGTPS during FY 2016-17 against the target levels as detailed in table below:

Table 23: RGTPS Availability, PLF and Generation

Particulars	As per RERC order	Claimed F.Y. 2016-17
Plants units	Units	Units
Capacity in (MW)	110.50	110.50
Availability	70.00	45.72
PLF	70.00	45.70
Unit generated(MU)	677.59	451.62
Auxiliary Consumption (%)	2.40	4.39
Auxiliary Consumption (Mus)	16.26	19.85
Unit Sent Out (MU)	661.32	431.77

Annual Performance Review of RGTPS Fixed Charges

1.17 For the purpose of Computation of depreciation, the capital cost of Rs. 311.08 crore as on 31.3.2016 as approved in true up order of FY 2015-16 dated 20.06.2017 is considered as opening balance for FY 2016-17.

1.18 The element-wise fixed cost as approved by the Hon'ble Commission vide order dated 17.10.2016 and actual fixed cost as claimed for FY 17 is given at table below. The variation of fixed cost as per claimed from approved figure also indicated against each:

Table 24: Annual Performance Review of RGTPS Fixed Cost for FY 17 (Rs. in Crore)

Fixed Charges	Approved RERC order	Claimed FY17	Deviation
1	2	3	4=3-2
Operation & Maintenance Charges	18.13	11.33	-6.80
Depreciation	0.00	1.88	1.88
Interest & Finance Charges on Term Loan	0.00	0.00	0.00
Interest on Transitional Loan	0.00	0.16	0.16
Insurance on Fixed Assets	0.15	0.26	0.11
Interest on working Capital	5.44	3.71	-1.73
Recovery of ARR and tariff Petition fees	0.06	0.06	0.00
Prior period Expenses/Income	0.00	0.00	0.00
Additional Liability towards pension & Gratuity	0.00	2.02	2.02
Return on Equity	18.62	18.62	0.00
Tax on Return on Equity	0.00	0.00	0.00

Fixed Charges	Approved RERC order	Claimed FY17	Deviation
Total fixed Charges	42.40	38.04	-4.36
Less:- Non-Tariff Income	0.02	0.11	0.09
Net fixed Charges	42.37	37.93	-4.44
Rate of Fixed Charges Charge(Paisa/kWh)	0.64	0.88	0.24

1.19 The actual fixed cost of RGTPS during FY 2016-17 is less than the net fixed cost as per RERC Order dated 17.10.2016. The element contributing most to the variance is O&M, interest on working capital and terminal benefit. The element-wise deviation in actual fixed cost vis-à-vis fixed cost as per approved Order dated 17.10.2016 along with reason for such variation has been indicated in table below.

Table 25: Variation analysis of RGTPS Fixed Cost for FY 17

Individual Items	Deviation (in crores)	Type	Reason for deviation
Operation & Maintenance Charges	-6.80	controllable	Due to operational efficiency
Depreciation	1.88	uncontrollable	Due to adjustment of excess depreciation in FY 2016-17 ARR order
Interest & Finance Charges	0.00	uncontrollable	NIL
Interest on Transitional Loan	0.16	uncontrollable	As approved by the Commission after true up order for FY 2015-16
Insurance on Fixed Assets	0.11	uncontrollable	Difference due to actual expense claimed as per Regulation 25 of RERC Tariff Regulation,2014.
Interest on working Capital	-1.73	controllable	Due to delay in payment by Discoms, RVUN has incurred additional cost towards working capital loan
Recovery of ARR and tariff Petition fees	0.00	uncontrollable	ARR and Tariff Fee Paid during the year has been claimed
Prior period Expenses/Income	0.00	uncontrollable	Expenditures related to past period, unforeseen and claimed on actual basis.
Additional Liability towards pension & Gratuity	2.02	uncontrollable	RVUN has remitted the amount to the designated fund during 2016-17
Return on Equity	0.00		
Non Tariff Income	0.09	uncontrollable	Actual have been claimed
Total	-4.45		Total deviation in actual and approved net fixed cost

Annual Performance Review of Energy Charges

- 1.20 The energy charges of Rs. 2.91 per kWh have been approved by the Hon'ble Commission vide order dated 17.10.2016 at the normative level. The actual energy charges based on audited Accounts for FY 17 works out to Rs. 2.58 per kWh. The deviation in actual energy charges from approved figure is attributed to variation in operating parameters:

Table 26: Actual Variable Charges of RGTPS for FY 17

Sr. No.	Particulars	As per RERC order	Claimed F.Y. 2016-17
	Plant Unit	Units	Units
1	Capacity in MW	110.50	110.50
2	PLF	70	45.70
3	Unit Generated (MU)	677.59	451.62
4	Auxiliary Consumption	16.26	19.85
5	Unit Sent Out (MU)	661.3	431.77
6	SHR kCal/kWh	2214.00	2596.60
7	Specific Consumption of natural gas (Scm/kWh)		0.56
8	Specific consumption of oil (ml/kWh)		0.01
9	GCV of Oil	9300.00	9300.00
10	GCV of Gas (kCal/kg)	5178.72	4615.49
11	Price of Gas (Rs/ th. SCM)	6.60	4.38
14	Price of Oil(Rs/KL)	42978.89	42978.89
14	Cost of Gas (Rs. In crore)		111.22
14	Cost of Oil (Rs. In crore)		0.02
15	Other charges		0.00
16	Variable cost of generation (Rs. In crore)	192.52	111.24
17	Variable Cost Rs. / kWh sent out	2.91	2.58

- 1.21 RGTPS have achieved only 45.70% PLF against the target PLF of 70%. There has been 0.17 MU loss of generation due to back down/box up instruction from SLDC. Based on above certified loss of generation by SLDC, the deemed PLF has been computed as 45.72%.
- 1.22 The plant was operational under combined cycle for 10239.10 hrs and open cycle for 1519.06 hrs enclosed as **Annexure K**, thus the normative SHR based on SHR worked out to be 2063.68 kCal/kWh. The RGTPS Plant has recorded the actual SHR of 2596.60 kCal/kWh against the normative SHR of 2214.00 kCal/kWh. Further, based on above operational hrs of combined cycle and open cycle, the normative auxiliary consumption come out to be 2.74 %, where as the actual auxiliary consumption recorded by RGTPS is 4.39%.
- 1.23 Since the gas availability is beyond the control of RVUN and has direct impact on the Generation, SHR and Auxiliary consumption of plant. Thus, RVUN request the Commission to allow the actual SHR of 2596.60 kCal/kWh and auxiliary consumption of 4.39%.

Total Annual Performance Review of RGTPS

1.24 The net effect of variation in Fixed Cost, Variable Charges and Revenue Receipts of actual as per claim for FY 17 with approved ARR order vide RERC Order dated 17.10.2016 is summarised below:

Table 27: Total Annual Performance Review of RGTPS for FY 17 (Rs. in Crore)

Particulars	RGTPS	
	As per RERC order	Claimed F.Y. 2016-17
Cost side True Up		
Total Fixed Cost	42.37	3 7.93
Variable cost	192.52	11 1.24
Total Expenses	234.89	14 9.17
Extra Cost incurred By RVUNL (A)		-85.72
Revenue Side True up		
Revenue From electricity (fixed And Energy charges)	234.89	12 0.46
Total Revenue	234.89	12 0.46
Extra Amount billed to Discom by RVUNL (B)		-114.43
Total True up Calculation		
Total Amount Sought from Discom C=(A-B)		2 8.71
D: Additional gain of O&M expenses		6.80
Total Amount Sought from Discom F=C+D		3 5.50

1.25 As presented in the table above RVUNL requests commission to allow the Annual Performance Review amount of Rs. 35.50 Crore as mentioned.

7. ANNUAL PERFORMANCE REVIEW OF ARR OF MAHI HYDEL POWER PROJECT FOR FY 2016-17

7.1. The Annual Performance Review of ARR for Mahi Hydel Power Project has been prepared and analyzed under following heads:

- a. Gross Generation , Availability and PLF during FY 17
- b. Annual Performance Review of Fixed Cost for FY 17
- c. Annual Performance Review of ARR and Revenue for FY 17

Generation Details

7.2. The installed capacity of Mahi Hydel power Station is 140 MW. The actual figures of Gross generation, PLF & net energy sale to three Discoms from Mahi Hydel power Station of RVUN for the period FY17 are as shown in table below:

Table 28: Mahi HEP Availability, PLF and Generation

Particulars	Approved RERC order	Claimed F.Y. 2016-17
Capacity in (MW)	140	140
Capacity Index		91.23
Design energy		288.66
Unit Generated (MU)		209.66
Auxiliary Consumption (MUs)		1.11
Units Sent out (MU)		208.55

7.3. The actual Generation of Mahi PH-I & PH-II is 168.32 MU and 41.35 MU respectively for FY 16-17.

Annual Performance Review of Mahi HEP Fixed Charges

7.4. For the purpose of Computation of depreciation, the capital cost of Rs. 259.02 crore as on 31.3.2016 as approved in true up order of FY 2015-16 is considered as opening balance for FY 2016-17.

7.5. The element-wise fixed cost as approved by the Hon'ble Commission vide order dated 17.10.2016 and actual fixed cost as claimed for FY 17 is given at table. The variation from approved figure also indicated against each:

Table 29: Annual Performance Review of Mahi Fixed Cost for FY 17 (Rs. in Crore)

Particulars	Approved RERC order	Claimed FY17	Deviation
Operation & Maintenance Expenses	15.56	23.54	7.98
Depreciation	4.20	6.41	2.21
Interest & Finance Charges on Term Loan	0.00	0.00	0.00
Interest on Transitional Loan	0.00	0.00	0.00
Insurance on Fixed Assets	0.02	0.00	-0.02
Interest on Working Capital	1.17	1.52	0.35

Particulars	Approved RERC order	Claimed FY17	Deviation
Recovery of ARR and Tariff petition Fees	0.07	0.07	0.00
Prior Period Expenses/Income	0.00	0.00	0.00
Additional Liability towards pension and gratuity	0.00	2.47	2.47
Return on Equity	26.41	26.41	0.00
Tax on Return on Equity	0.00	0.00	0.00
Total Fixed Charge	47.43	60.42	12.99
Less: Non-Tariff Income	0.04	0.13	0.09
Net Fixed Charge	47.39	60.29	12.90
Rate of Fixed Charges Charge(RS/kWh)			

- 7.6. Mahi Power House -I is located on a saddle dam of Mahi Dam periphery. The Mahi Dam is the property of Water Resources Dept. and the use/distribution of the water stored in the dam is completely in the control of water irrigation Committee headed by the District collector Banswara. Whenever there is the need of irrigation in the area and water is to be released in the LMC (left Main Canal) & RMC (right Main Canal) then only the operation of machines at Mahi Power House-I is possible. For this purpose, the water Irrigation Committee intimates the plants in charge regarding the schedule of canals and quantity of water to be released in the LMC & RMC, so that as per designed discharge capacity of machines, the running Hours of machines or the operation of machines may be decided. So it is requested that at Mahi PH-I the operation of machines totally depended on the irrigation requirement, besides that the machines can remain in “ready to start mode”/available for operation. So the Mahi PH-I is not purely run of river power station with pondage and storage type because the storage of water (Mahi Dam) is not the part of RVUN.
- 7.7. Here it is to submit the irrigation schedule is intimated to the plant very shortly and as the machines remains in ready to start mode, they are in operation. So it is not possible to provide a pre-decided schedule of declared capacity of the machines.
- 7.8. Mahi power house-II is canal based power plant and its balancing reservoir is located at the end of LMC, means whenever water is released in LMC and after furnishing the irrigation demand, the balance water stores in the balancing reservoir. For the operation of machine, a certain level of water is to be maintained of reservoir means whenever water stores in the balancing reservoir. If the available water in the reservoir is optimum for generation then only the machines can run at Mahi PH-II. So at Mahi PH-II Machines remain in “ready to start mode”/available for operation but operation of machines totally depended on the availability of water.
- 7.9. Considering the above uncontrollable factor and regulation of RERC tariff Regulations 2014, the RVUN request the Hon’ble Commission not to reduced the fixed charges on pro-rata basis.
- 7.10. The element-wise deviation in actual fixed cost vis-à-vis fixed cost as per approved Order dated 17.10.2016 along with reason for such variation has been indicated in Table.

Table 30: Variation analysis of Mahi Fixed Cost for FY 17

Individual Items	Deviation (in crores)	Type	Reason for deviation
Operation & Maintenance Charges	7.98	Controllable	Since unit is old, required various R&M works for smooth operation.
Depreciation	2.21	uncontrollable	-
Interest & Finance Charges	0.00	uncontrollable	NIL
Interest on Transitional Loan	0.00	uncontrollable	NIL
Insurance on Fixed Assets	-0.02	uncontrollable	Difference due to actual expense claimed as per Regulation 25 of RERC Tariff Regulation,2014.
Interest on working Capital	0.35	Controllable	Due to delay in payment by Discoms, RVUN has incurred additional cost towards working capital loan
Recovery of ARR and tariff Petition fees	0.00	uncontrollable	ARR and Tariff Fee Paid during the year has been claimed
Prior period Expenses/Income	0.00	uncontrollable	Expenditures related to past period, unforeseen and claimed on actual basis.
Additional Liability towards pension & Gratuity	2.47	uncontrollable	RVUN has remitted the amount to the designated fund during 2016-17
Return on Equity	0.00	uncontrollable	
Non Tariff Income	0.09	uncontrollable	Actual have been claimed
Total	12.90		Total deviation in actual and approved net fixed cost

Annual Performance Review of Energy Charges

7.11. The Commission approved the fixed cost of Rs 47.39 Crore against which RVUN has incurred fixed cost of Rs. 60.29 Crore:

Table 31: Energy and Capacity Charges of Mahi HEP for FY 17 (Rs. in Crore)

Particulars	Mahi	
	As per RERC order	Claimed F.Y. 2016-17
Cost side True Up		
Total Fixed Cost	47.39	60.29
Variable cost		
Total Expenses	47.39	60.29
Extra Cost incurred By RVUNL (A)		12.90
Revenue Side True up		

	Mahi	
Revenue From electricity (fixed And Energy charges)	47.39	47.39
Total Revenue	47.39	47.39
Extra Amount billed to Discom by RVUNL (B)		0.00
Total True up Calculation		
Total Amount Sought from Discom C=(A-B)		12.90
D: Additional gain of O&M expenses		-7.98
Total Amount Sought from Discom F=C+D		4.92

7.12. Mahi has not been able to achieve its target PLF as prescribed by RERC. This under-achievement of performance parameters is due to scarcity of water required for power generation.

7.13. As presented in the table above RVUNL requests Commission to allow the Annual Performance Review amount of Rs 4.92 Crore as mentioned.

8. ANNUAL PERFORMANCE REVIEW OF ARR OF CTPP FOR FY 2016-17

8.1. The Annual Performance Review of ARR for Chhabra Thermal Power Station has been prepared and analyzed under following heads:

- a. Annual Performance Review of Capacity Charges
- b. Annual Performance Review of Energy Charges
- c. Annual Performance Review of Total ARR and revenue receipts

Generation Details

8.2. The Actual plant availability, Plant Load Factor and generation of CTPP during FY 2016-17 against the approved are as detailed in table below:

Table 32: CTPP Availability, PLF and Generation

Particulars	Approved RERC order	Claimed F.Y. 2016-17
	Unit-1-2	Unit-1-2
Capacity in (MW)	500	500
Availability	80.00	81.37
PLF	80.00	76.76
Unit Generated (MU)	3504.00	3404.26
Auxiliary Consumption (%)	9.00	10.13
Auxiliary Consumption (Mus)	315.36	344.79
Units Sent out (MU)	3188.64	3059.46

Annual Performance Review of CTPP Capacity Charges

Capital Cost

CTPP unit 1&2

- 1.26 For the purpose of computation of depreciation, the petitioner has considered the opening capital cost for FY 2016-17 as per True-up order for FY 2015-16 i.e. 2460.69 crore,
- 1.27 The petitioner has made the payment of deferred liability to BHEL during FY 2016-17 of Rs. 0.16 crore, this work is covered under original scope of work and booked Rs. 0.01 crore against recovery of ED & CST which was wrongly booked in other head for IL kota.
- 1.28 The above expenditure has been incurred during FY 2016-17 as per regulation 17 of RERC Tariff Regulation 2014.
- 1.29 The element-wise fixed cost approved by the Hon'ble Commission vide order dated 17.10.2016 and actual fixed cost as claimed for FY 17 is given at table below. The variation of fixed cost as claimed from approved figure also indicated against each:

Table 33: Annual Performance Review of CTPP Fixed Cost for FY 17 (Rs. in Crore)

Fixed Charges	Approved RERC order	Claimed FY17	Deviation
1	2	3	4=3-2
Operation & Maintenance Expenses	90.14	73.84	-16.30
Depreciation	124.05	122.62	-1.43
Interest & Finance Charges on Term Loan	169.22	167.45	-1.77
Interest on Transitional Loan	0.00	0.00	0.00
Insurance on Fixed Assets	2.49	3.55	1.06
Interest on Working Capital	30.03	35.30	5.27
Recovery of ARR and Tariff petition Fees	0.25	0.25	0.00
Prior Period Expenses/Income	0.00	0.00	0.00
Additional Liability towards pension and gratuity	0.00	5.83	5.83
Return on Equity	76.97	76.98	0.01
Tax on Return on Equity	0.00	0.00	0.00
Total Fixed Charge	493.15	485.82	-7.33
Less: Non-Tariff Income	1.30	14.36	13.06
Net Fixed Charge	491.85	471.46	-20.39
Rate of Fixed Charges Charge(Paisa/kWh)	1.54	1.54	0.00

1.30 The actual fixed cost of CTPP during FY 2016-17 as per actual is less than the net fixed cost as per ARR Order dated 17.10.2016. The item of major variation in approved ARR was towards items like operation and maintenance and interest on working capital loan. The element-wise deviation in actual fixed cost vis-à-vis fixed cost according to as approved by the Hon'ble Commission Order dated 17.10.2016 along with reason for such variation has been indicated in table below.

Table 34: Variation analysis of CTPP Fixed Cost for FY 17

Individual Items	Deviation (in crores)	Type	Reason for deviation
Operation & Maintenance Charges	-16.30	controllable	Due to operational efficiency
Depreciation	-1.43	uncontrollable	due to negative additional claimed during FY 2016-17
Interest & Finance Charges	-1.77	uncontrollable	Due to negative additional claimed during FY 2016-17
Interest on Transitional Loan	0.00	uncontrollable	NIL
Insurance on Fixed Assets	1.06	uncontrollable	Difference due to actual expense claimed as per Regulation 25 of RERC Tariff Regulation,2014.
Interest on working Capital	5.27	controllable	Due to delay in payment by Discoms, RVUN has incurred additional cost towards working capital loan
Recovery of ARR and tariff Petition fees	0.00	uncontrollable	ARR and Tariff Fee Paid during the year has been claimed

Individual Items	Deviation (in crores)	Type	Reason for deviation
Prior period Expenses/Income	0.00	uncontrollable	Expenditures related to past period, unforeseen and claimed on actual basis.
Additional Liability towards pension & Gratuity	5.83	uncontrollable	RVUN has remitted the amount to the designated fund during 2016-17
Return on Equity	0.01	uncontrollable	Due to additional capitalization claimed during FY 2016-17
Non Tariff Income	13.06	uncontrollable	Actual have been claimed
Total	-20.39		Total deviation in actual and approved net fixed cost

Annual Performance Review of Energy Charges

- 1.31 The energy charges of Rs. 1.98 per kWh have been approved by the Hon'ble Commission vide order dated 17.10.2016 at the normative level. The actual energy charges based on audited Accounts for FY 17 works out to Rs. 2.67 per kWh.
- 1.32 The deviation in actual energy charges from approved figure is attributed to variation in operating & fuel parameters:

Table 35: Actual Variable Charges of CTPP for FY 17

Sr. No.	Particulars	RERC Order	Claimed F.Y. 2016-17
		Unit 1-2	Unit 1-2
1	Capacity in MW	500	500
2	PLF	80	76.76
3	Unit Generated (MU)	3504	3404.26
4	Auxiliary Consumption	9	10.13
5	Unit Sent Out	3188.64	3059.46
6	SHR Kcl/kWh	2312.31	2615.92
7	Specific Indian Coal Consumption (kg/kWh)		0.64
8	Specific Imported Coal Consumption (kg/kWh)		0.00
9	Specific Oil (HSD)Consumption (ml/kWh)		1.07
10	Specific Oil (LDO)Consumption (ml/kWh)		0.10
11	GCV of Indian Coal (kCal/kg)	4220.32	4059.87
12	GCV of imported Coal (kCal/kg)	0.00	0.00
13	GCV of (HSD) Coal (kCal/kg)	10200.00	10416.00
14	GCV of (LDO) Coal (kCal/kg)	10312.00	10200.00
15	Price of Indian Coal (Rs. / MT)	3271.08	3658.89
16	Price of imported Coal (Rs. / MT)	0.00	0.00
17	Price of Oil (HSD/HFO) (Rs. / KL)	22881.40	22269.10
18	Price of Oil (LDO) (Rs. / KL)	37312.50	38457.74
19	Consumption (Indigenous Coal) MT		2183270.00
20	Consumption (Imported Coal) MT		0.00
21	Consumption (HFO) KL		3653.13

Sr. No.	Particulars	RERC Order	Claimed F.Y. 2016-17
22	Consumption (LDO) KL		337.08
23	Cost of coal (Rs. In crore)		798.83
24	Cost of Oil (Rs. In crore)		9.43
25	Other charges		7.78
26	Capitalization		
27	Variable cost of generation (Rs. In crore)	630.87	816.04
28	Variable Cost Rs. / kWh sent out	1.98	2.67

8.3. CTPP achieved a Plant Load Factor of 76.76% lower than the normative PLF of 80%, with deemed generation of 183.96 MU and Deemed PLF of 81.37%.

8.4. Auxiliary consumption does not reduce in proportion to reduction in generation in compliance to instructions issued by SLDC. All the running auxiliary equipments certain major auxiliaries viz. CW, ACW, DMCCW, Water System, FD Fa, Compressed Air System continue to run on rated capacities while a few auxiliaries viz. Coal Mills, ID Fan run on reduced load though not in same proportion. Therefore, such loss of generation, if availed, the overall auxiliary consumption would be achieved within normative value. Therefore, RVUN request Hon'ble Commission to allow actual Auxiliary Consumption.

Total Annual Performance Review of CTPP

8.5. The net effect of variation in Fixed Cost, Variable Charges and Revenue Receipts of actual as per Audited Accounts for FY 17 with approved ARR order vide RERC Order dated 17.10.2016 is summarised below:

Table 36: Total Annual Performance Review of CTPP for FY 17 (Rs in Crore)

Particulars	As per RERC order	Claimed F.Y. 2016-17
<u>Cost side True Up</u>		
Total Fixed Cost	491.85	471.46
Variable cost	630.87	816.04
Total Expenses	1122.72	1287.50
Extra Cost incurred By RVUNL (A)		164.78
<u>Revenue Side True up</u>		
Revenue From electricity (fixed And Energy charges)	1122.72	1198.59
Total Revenue	1122.72	1198.59
Extra Amount billed to Discom by RVUNL (B)		75.87
Total True up Calculation		
Total Amount Sought from Discom C=(A-B)		88.92
D: Additional gain of O&M expenses		16.30
Total Amount Sought from Discom F=C+D		105.22

8.6. As presented in the table above RVUNL requests commission to allow the Annual

Performance Review amount of Rs 105.22 Crore as mentioned.

9. RESPONDENTS:-

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

1.34 The Rajasthan Rajya Vidyut Prasaran Nigam Limited –managing the operation of State Load Dispatch Centre is respondents for the above petition.

10. PRAYER

RVUN humbly requests the Hon'ble Commission to:

- Determine the Annual Performance Review of Annual Revenue Requirement for FY 2016-17 as per submission made above;
- And pass such other and further orders as are deemed fit and proper in the facts and circumstances of the case.

(Y.K. Upadhyay)
Chief Account Officer, (Accounts, Taxation,
PPM IT & Comml)
RVUN, Jaipur.

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

Aggregate Revenue Requirement

Name of the Petitioner
Name of the Power Station :

Rajasthan Rajya Vidhyu Utpadan Nigam Ltd.
Kota Thermal Power Station

(Rs. Crore)

S.No.	Particulars	Reference Form	Year 2016-17			Remarks / Reasons for difference,if any
			Approved as per order	Claimed as per audited accounts	Difference	
1	2	3	4	5	6=(4-5)	7
A	Revenue side True-up					
1	Revenue from Sale of Power (Tariff income)	3.1	2528.18	2483.89	44.29	
2	Revenue Subsidies, Grants & Subvention from State Govt.	3.2			0.00	
	Total- (A)		2528.18	2483.89	44.29	
B	Expenditure side True up					
1	Variable Costs, including Fuel Cost	5.1	2048.51	2049.88	-1.36	
2	Depreciation	6.1	54.42	76.13	-21.71	
3	Interest on term Loan & Finance charges	6.2	47.72	53.69	-5.97	
4	Return on Equity	6.4	75.99	78.13	-2.14	
5	Tax on ROE	6.5		0.00	0.00	
6	Interest on Working Capital	6.6	78.16	78.66	-0.50	
7	O & M Expenses including Special O&M Expenses, if any.	4	223.54	237.36	-13.81	
8	Insurance Charges	7	3.00	2.92	0.08	
9	Interest on Transition Loans		0.59	0.79	-0.20	
10	Additional Liability towards Pension & Gratuity		0.00	19.83	-19.83	
11	ARR & Tariff Petition Fees		0.62	0.62	0.00	
	Less:- Non-Tariff income	3.3	4.38	18.08	-13.70	
C	Total- Aggregate Revenue Requirement (B)		2528.18	2579.93	-51.75	
D	Surplus (+)/ Shortfall (-) [A-B]		0.00	-96.04	96.04	

Aggregate Revenue Requirement

Name of the Petitioner
Name of the Power Station :

Rajasthan Rajya Vidhyu Utpadan Nigam Ltd.
Suratgarh Thermal Power Station

(Rs. Crore)

S.No.	Particulars	Reference Form	Year 2016-17			Remarks / Reasons for difference,if any
			Approved as per order	Claimed as per audited accounts	Difference	
1	2	3	4	5	6=(4-5)	7
A	Revenue side True-up					
1	Revenue from Sale of Power (Tariff income)	3.1	4092.34	2248.41	1843.94	
2	Revenue Subsidies, Grants & Subvention from State Govt.	3.2			0.00	
	Total- (A)		4092.34	2248.41	1843.94	
B	Expenditure side True up					
1	Variable Costs, including Fuel Cost	5.1	3252.74	1414.97	1837.77	
2	Depreciation	6.1	163.74	164.12	-0.38	
3	Interest on term Loan & Finance charges	6.2	62.72	66.36	-3.64	
4	Return on Equity	6.4	181.99	182.29	-0.30	
5	Tax on ROE	6.5		0.00	0.00	
6	Interest on Working Capital	6.6	122.06	64.26	57.80	
7	O & M Expenses including Special O&M Expenses, if any.	4	270.41	224.43	45.98	
8	Insurance Charges	7	2.86	2.66	0.20	
9	Interest on Transition Loans		36.92	36.63	0.29	
10	Additional Liability towards Pension & Gratuity		0.00	12.81	-12.81	
11	ARR & Tariff Petition Fees		0.75	0.75	0.00	
	Less:- Non-Tariff income	3.3	1.85	7.38	-5.53	
C	Total- Aggregate Revenue Requirement (B)		4092.34	2161.92	1930.43	
D	Surplus (+)/ Shortfall (-) [A-B]		0.00	86.49	-86.49	

Aggregate Revenue Requirement

Name of the Petitioner
Name of the Power Station :

Rajasthan Rajya Vidhyu Utpadan Nigam Ltd.
Dholpur Combined Cycle Gas based Thermal Power Plant

(Rs. Crore)

S.No.	Particulars	Reference Form	Year 2016-17			Remarks / Reasons for difference,if any
			Approved as per order	Claimed as per audited accounts	Difference	
1	2	3	4	5	6=(4-5)	7
A	Revenue side True-up					
1	Revenue from Sale of Power (Tariff income)	3.1	1014.61	102.74	911.87	
2	Revenue Subsidies, Grants & Subvention from State Govt.	3.2			0.00	
	Total- (A)		1014.61	102.74	911.87	
B	Expenditure side True up					
1	Variable Costs, including Fuel Cost	5.1	801.79	48.73	753.06	
2	Depreciation	6.1	57.92	57.94	-0.02	
3	Interest on term Loan & Finance charges	6.2	31.44	28.93	2.51	
4	Return on Equity	6.4	53.79	53.79	0.00	
5	Tax on ROE	6.5		0.00	0.00	
6	Interest on Working Capital	6.6	21.75	5.72	16.03	
7	O & M Expenses including Special O&M Expenses, if any.	4	44.59	20.21	24.38	
8	Insurance Charges	7	0.92	0.96	-0.04	
9	Interest on Transition Loans		2.41	2.39	0.02	
10	Additional Liability towards Pension & Gratuity		0.00	1.69	-1.69	
11	ARR & Tariff Petition Fees		0.17	0.17	0.00	
	Less:- Non-Tariff income	3.3	0.17	0.26	-0.09	
C	Total- Aggregate Revenue Requirement (B)		1014.61	220.26	794.35	
D	Surplus (+)/ Shortfall (-) [A-B]		0.00	-117.52	117.52	

Aggregate Revenue Requirement

Name of the Petitioner
Name of the Power Station :

Rajasthan Rajya Vidhyu Utpadan Nigam Ltd.
Ramgarh Gas Thermal Power Plant

(Rs. Crore)

S.No.	Particulars	Reference Form	Year 2016-17			Remarks / Reasons for difference,if any
			Approved as per order	Claimed as per audited accounts	Difference	
1	2	3	4	5	6=(4-5)	7
A	Revenue side True-up					
1	Revenue from Sale of Power (Tariff income)	3.1	234.90	120.46	114.44	
2	Revenue Subsidies, Grants & Subvention from State Govt.	3.2			0.00	
	Total- (A)		234.90	120.46	114.44	
B	Expenditure side True up					
1	Variable Costs, including Fuel Cost	5.1	192.52	111.24	81.28	
2	Depreciation	6.1	0.00	1.88	-1.88	
3	Interest on term Loan & Finance charges	6.2	0.00	0.00	0.00	
4	Return on Equity	6.4	18.62	18.62	0.00	
5	Tax on ROE	6.5		0.00	0.00	
6	Interest on Working Capital	6.6	5.44	3.71	1.73	
7	O & M Expenses including Special O&M Expenses, if any.	4	18.13	11.33	6.80	
8	Insurance Charges	7	0.15	0.26	-0.11	
9	Interest on Transition Loans		0.00	0.16	-0.16	
10	Additional Liability towards Pension & Gratuity		0.00	2.02	-2.02	
11	ARR & Tariff Petition Fees		0.06	0.06	0.00	
	Less:- Non-Tariff income	3.3	0.02	0.11	-0.09	
C	Total- Aggregate Revenue Requirement (B)		234.90	149.17	85.73	
D	Surplus (+)/ Shortfall (-) [A-B]		0.00	-28.71	28.71	

Aggregate Revenue Requirement

Name of the Petitioner
Name of the Power Station :

Rajasthan Rajya Vidhyu Utpadan Nigam Ltd.
Mahi Hydel Power Project

(Rs. Crore)

S.No.	Particulars	Reference Form	Year 2016-17			Remarks / Reasons for difference,if any
			Approved as per order	Claimed as per audited accounts	Difference	
1	2	3	4	5	6=(4-5)	7
A	Revenue side True-up					
1	Revenue from Sale of Power (Tariff income)	3.1	47.39	47.39	0.00	
2	Revenue Subsidies, Grants & Subvention from State Govt.	3.2			0.00	
	Total- (A)		47.39	47.39	0.00	
B	Expenditure side True up					
1	Variable Costs, including Fuel Cost	5.1				
2	Depreciation	6.1	4.20	6.41	-2.21	
3	Interest on term Loan & Finance charges	6.2	0.00	0.00	0.00	
4	Return on Equity	6.4	26.41	26.41	0.00	
5	Tax on ROE	6.5		0.00	0.00	
6	Interest on Working Capital	6.6	1.17	1.52	-0.35	
7	O & M Expenses including Special O&M Expenses, if any.	4	15.56	23.54	-7.98	
8	Insurance Charges	7	0.02	0.00	0.02	
9	Interest on Transition Loans		0.00	0.00	0.00	
10	Additional Liability towards Pension & Gratuity		0.00	2.47	-2.47	
11	ARR & Tariff Petition Fees		0.07	0.07	0.00	
	Less:- Non-Tariff income	3.3	0.04	0.13	-0.09	
C	Total- Aggregate Revenue Requirement (B)		47.39	60.29	-12.90	
D	Surplus (+)/ Shortfall (-) [A-B]		0.00	-12.90	12.90	

Aggregate Revenue Requirement

Name of the Petitioner
Name of the Power Station :

Rajasthan Rajya Vidhyu Utpadan Nigam Ltd.
Chhabra Thermal Power Station

(Rs. Crore)

S.No.	Particulars	Reference Form	Year 2016-17			Remarks / Reasons for difference,if any
			Approved as per order	Claimed as per audited accounts	Difference	
1	2	3	4	5	6=(4-5)	7
A	Revenue side True-up					
1	Revenue from Sale of Power (Tariff income)	3.1	1122.72	1198.59	-75.87	
2	Revenue Subsidies, Grants & Subvention from State Govt.	3.2			0.00	
	Total- (A)		1122.72	1198.59	-75.87	
B	Expenditure side True up					
1	Variable Costs, including Fuel Cost	5.1	630.87	816.04	-185.17	
2	Depreciation	6.1	124.05	122.62	1.43	
3	Interest on term Loan & Finance charges	6.2	169.22	167.45	1.77	
4	Return on Equity	6.4	76.97	76.98	-0.01	
5	Tax on ROE	6.5		0.00	0.00	
6	Interest on Working Capital	6.6	30.03	35.30	-5.27	
7	O & M Expenses including Special O&M Expenses, if any.	4	90.14	73.84	16.30	
8	Insurance Charges	7	2.49	3.55	-1.06	
9	Interest on Transitional Loans			0.00	0.00	
10	Additional Liability towards Pension & Gratuity		0.00	5.83	-5.83	
11	ARR & Tariff Petition Fees		0.25	0.25	0.00	
	Less:- Non-Tariff income	3.3	1.30	14.36	-13.06	
C	Total- Aggregate Revenue Requirement (B)		1122.72	1287.50	-164.78	
D	Surplus (+)/ Shortfall (-) [A-B]		0.00	-88.92	88.92	

Aggregate Revenue Requirement

Name of the Petitioner
Name of the Power Station :

Rajasthan Rajya Vidhyu Utpadan Nigam Ltd.
RRVUNL as Whole

(Rs. Crore)

S.No.	Particulars	Reference Form	Year 2016-17			Remarks / Reasons for difference,if any
			Approved as per order	Claimed as per audited accounts	Difference	
1	2	3	4	5	6=(4-5)	7
A	Revenue side True-up					
1	Revenue from Sale of Power (Tariff income)	3.1	9040.14	6201.47	2838.67	
2	Revenue Subsidies, Grants & Subvention from State Govt.	3.2				
	Late Payment Surcharge			936.20	-936.20	
	Total- (A)		9040.14	7137.67	1902.47	
B	Expenditure side True up					
1	Variable Costs, including Fuel Cost	5.1	6926.43	4440.86	2485.57	
2	Depreciation	6.1	404.33	429.12	-24.79	
3	Interest on term Loan & Finance charges	6.2	311.10	316.44	-5.34	
4	Return on Equity	6.4	433.77	436.22	-2.45	
5	Tax on ROE	6.5	0.00	0.00	0.00	
6	Interest on Working Capital	6.6	258.61	189.16	69.45	
7	O & M Expenses including Special O&M Expenses, if any.	4	662.37	590.71	71.67	
8	Insurance Charges	7	9.44	10.35	-0.91	
9	Interest on Transition Loans		39.92	39.97	-0.05	
10	Additional Liability towards Pension & Gratuity		0.00	44.65	-44.65	
11	ARR & Tariff Petition Fees		1.92	1.92	0.00	
	Late Payment Surcharge			936.20	-936.20	
	Less:- Non-Tariff income	3.3	7.76	40.32	-32.56	
C	Total- Aggregate Revenue Requirement (B)		9040.14	7395.27	2581.07	
D	Surplus (+)/ Shortfall (-) [A-B]		0.00	-257.60	257.60	

Form GT- 2.1

Operational Parameters - Hydel Generation

Name of the Petitioner:

Rajasthan Rajya Vidhyu Utpadan Nigam Ltd.

Name of the Power Station :

Mahi Hydel Power Project

S. No.	Particulars	Units	Year 2016-17			Remarks / Reasons for difference,if any
			Approved as per order	Claimed as per audited accounts	Difference	
1	2	3	4	5	6 = (4-5)	7
1	Operational Parameters - Hydel					
1.1	Total Capacity	MW	140	140	0	
1.2	Capacity Index	%	85	91.23	-6.23	The Capex is less than the approved as the Unit-II was under forced outage due to Stator Core damaged
1.3	Design Energy	MU	288.66	288.66	0.00	The Actual Figures are greater than the approved
1.4	Gross Generation	MU	140	209.66	-69.66	
1.5	Auxiliary Energy Consumption	MU	1.4	1.11	0.29	
1.6	Auxiliary Energy Consumption	%	1	0.53	0.47	
1.7	Net Generation	MU	138.6	208.55	-69.95	

Capacity Index (for Hydro Generating Stations)

Name of the Petitioner:

Rajasthan Rajya Vidhyu Utpadan Nigam Ltd.

Name of the Power Station :

Mahi Hydel Power Project

S.No.	Particulars	Capacity (MW)	Date of Commissioning	Year 2016-17			Remarks
				Approved	Audited	Difference	
1	2	3	4	5	6	7 = 6-5	8
1	Unit 1	25 MW	1/ 22/ 1986	NA			
2	Unit 2	25 MW	6/ 2/ 1986				
3	Unit 3	45 MW	2/ 15/ 1989				
4	Unit 4	45 MW	9/ 17/ 1989				
5						
6						
7						

Form GT- 2.3

Details of Plant Performance data

Name of the Petitioner: Rajasthan Rajya Vidhyu Utpadan Nigam Ltd.
 Name of the Power Station : Kota Thermal Power Station

Year 2016-17

S.No.	Name of Power Station/ Stage/Unit	Actual units sent out	Deemed generation*	Total	Maximum Generation at full capacity	%age rate of Normative Aux. consumption	Units sent out at full capacity & normative Aux. Consumption	PLF (%)	Availability factor (%)	Gen. at normative PLF(Units)	Excess Generation for incentive	Remarks
1	2	3	4	5=(3+4)	6	7	8=6x(100-7)	9=(3/ 8)*100	10=(5/ 8)*100	11	12=(3-11)	13
1	KTPS	6628.79	2117.07	8745.86	10862.40	9.27	9855.46	67.26	88.74	8907.17	0.00	

Form GT- 2.3

Details of Plant Performance data

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

Year 2016-17

S.No.	Name of Power Station/ Stage/Unit	Actual units sent out	Deemed generation*	Total	Maximum Generation at full capacity	%age rate of Normative Aux. consumption	Units sent out at full capacity & normative Aux. Consumption	PLF (%)	Availability factor (%)	Gen. at normative PLF(Units)	Excess Generation for incentive	Remarks
1	2	3	4	5=(3+4)	6	7	8=6x(100-7)	9=(3/ 8)*100	10=(5/ 8)*100	11	12=(3-11)	13
1	STPS Unit # 1 to 6	4023.283	6232.089	10255.37	13140.00	9.00	11957.40	33.65	85.77	10774.80	0.00	

Form GT- 2.3

Details of Plant Performance data

Name of the Petitioner: Rajasthan Rajya Vidhyu Utpadan Nigam Ltd.
 Name of the Power Station : Chhabra Thermal Power Station

Year 2016-17

S.No.	Name of Power Station/ Stage/Unit	Actual units sent out	Deemed generation*	Total	Maximum Generation at full capacity	%age rate of Normative Aux. consumption	Units sent out at full capacity & normative Aux. Consumption	PLF (%)	Availability factor (%)	Gen. at normative PLF(Units)	Excess Generation for incentive	Remarks
1	2	3	4	5=(3+4)	6	7	8=6x(100-7)	9=(3/ 8)*100	10=(5/ 8)*100	11	12=(3-11)	13
1	CTPP Unit 1&2	3059.46	183.96	3243.42	4380.00	9.00	3985.80	76.76	81.37	3591.60	0.00	

Form GT- 2.3

Details of Plant Performance data

Name of the Petitioner: Rajasthan Rajya Vidhyu Utpadan Nigam Ltd.
 Name of the Power Station : Dholpur Combined Cycle Gas based Thermal Power Plant

Year 2016-17

S.No.	Name of Power Station/ Stage/Unit	Actual units sent out	Deemed generation*	Total	Maximum Generation at full capacity	%age rate of Normative Aux. consumption	3	PLF (%)	Availability factor (%)	Gen. at normative PLF(Units)	Excess Generation for incentive	Remarks
1	2	3	4	5=(3+4)	6	7	8=6x(100-7)	9=(3/ 8)*100	10=(5/ 8)*100	11	12=(3-11)	13
1	Dholpur Combined Cycle Power Project, Dholpr	94.8555	648.17	743.03	2890.80	3.00	2804.08	3.38	26.50	2312.64	0.00	

Form GT- 2.3

Details of Plant Performance data

Name of the Petitioner: Rajasthan Rajya Vidhyu Utpadan Nigam Ltd.
 Name of the Power Station : Ramgarh Gas Thermal Power Plant

Year 2016-17

S.No.	Name of Power Station/ Stage/Unit	Actual units sent out	Deemed generation*	Total	Maximum Generation at full capacity	%age rate of Normative Aux. consumption	Units sent out at full capacity & normative Aux. Consumption	PLF (%)	Availability factor (%)	Gen. at normative PLF(Units)	Excess Generation for incentive	Remarks
1	2	3	4	5=(3+4)	6	7	8=6x(100-7)	9=(3/ 8)*100	10=(5/ 8)*100	11	12=(3-11)	13
1	Stage-I&II	431.77	0.17	431.95	967.98	3.00	938.94	45.99	46.00	677.59	0.00	The deemed generation approved by SLDC is for whole

Form GT- 2.3

Details of Plant Performance data

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

Year 2016-17

S.No.	Name of Power Station/ Stage/Unit	Actual units sent out	Deemed generation*	Total	Maximum Generation at full capacity	%age rate of Normative Aux. consumption	Units sent out at full capacity & normative Aux. Consumption	PLF (%)	Availability factor (%)	Gen. at normative PLF(Units)	Excess Generation for incentive	Remarks
1	2	3	4	5=(3+4)	6	7	8=6x(100-7)	9=(3/ 8)*100	10=(5/ 8)*100	11	12=(3-11)	13
1	MAHI	208.5503		208.5503	1226.4	2	1201.872	17.35%	91.23%	140		

Revenue from Sale of Power

Name of the Petitioner: Rajasthan Rajya Vidhyu Utpadan Nigam Ltd.
 Name of the Power Station : Kota Thermal Power Station

Year 2016-17 (Rs Crore)

S.No.	Particulars	Unit Sold (MU)	Fixed Charges	Energy Charges	Fuel cost adjustment charges	Total (4+5+6)	Rebates & LPS	Sub-total (7) to (8)	Remarks
1	2	3	4	5	6	7	8	9	10
A)	Revenue from sale of Electricity (Claimed as per audited accounts)								
1	Dist. Licensee / trader/ consumers								
(a)		6628.79	479.66	1685.04	319.19	2483.89			

Revenue from Sale of Power

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

Year 2016-17 (Rs Crore)

S.No.	Particulars	Unit Sold (MU)	Fixed Charges	Energy Charges	Fuel cost adjustment charges	Total (4+5+6)	Rebates & LPS	Sub-total (7) to (8)	Remarks
1	2	3	4	5	6	7	8	9	10
A)	Revenue from sale of Electricity (Claimed as per audited accounts)								
1	Dist. Licensee / trader/ consumers								
(a)		4023.28	839.60	1334.52	74.29	2248.41			

Revenue from Sale of Power

Name of the Petitioner:
Name of the Power Station :

Rajasthan Rajya Vidhyu Utpadan Nigam Ltd.
Chhabra Thermal Power Station

Year 2016-17 (Rs Crore)

S.No.	Particulars	Unit Sold (MU)	Fixed Charges	Energy Charges	Fuel cost adjustment charges	Total (4+5+6)	Rebates & LPS	Sub-total (7) to (8)	Remarks
1	2	3	4	5	6	7	8	9	10
A)	Revenue from sale of Electricity (Claimed as per audited accounts)								
1	Dist. Licensee / trader/ consumers								
(a)		3059.46	491.85	605.16	101.57	1198.59			

Revenue from Sale of Power

Name of the Petitioner:
Name of the Power Station :

Rajasthan Rajya Vidhyu Utpadan Nigam Ltd.
Dholpur Combined Cycle Gas based Thermal Power Plant

Year 2016-17 (Rs Crore)

S.No.	Particulars	Unit Sold (MU)	Fixed Charges	Energy Charges	Fuel cost adjustment charges	Total (4+5+6)	Rebates & LPS	Sub-total (7) to (8)	Remarks
1	2	3	4	5	6	7	8	9	10
A)	Revenue from sale of Electricity (Claimed as per audited accounts)								
1	Dist. Licensee / trader/ consumers								
(a)		94.86	70.41	33.87	-1.55	102.74			

Revenue from Sale of Power

Name of the Petitioner:
Name of the Power Station :

Rajasthan Rajya Vidhyu Utpadan Nigam Ltd.
Ramgarh Gas Thermal Power Plant

Year 2016-17 (Rs Crore)

S.No.	Particulars	Unit Sold (MU)	Fixed Charges	Energy Charges	Fuel cost adjustment charges	Total (4+5+6)	Rebates & LPS	Sub-total (7) to (8)	Remarks
1	2	3	4	5	6	7	8	9	10
A)	Revenue from sale of Electricity (Claimed as per audited accounts)								
1	Dist. Licensee / trader/ consumers								
(a)		431.77	27.67	125.69	-32.90	120.46			

Form GT- 3.1

Revenue from Sale of Power

Name of the Petitioner:
Name of the Power Station :

Rajasthan Rajya Vidhyu Utpadan Nigam Ltd.
Mahi Hydel Power Project

Year 2016-17 (Rs Crore)

S.No.	Particulars	Unit Sold (MU)	Fixed Charges	Energy Charges	Fuel cost adjustment charges	Total (4+5+6)	Rebates & LPS	Sub-total (7) to (8)	Remarks
1	2	3	4	5	6	7	8	9	10
A)	Revenue from sale of Electricity (Claimed as per audited accounts)								
1	Dist. Licensee / trader/ consumers								
(a)		208.55	47.39	0.00	0.00	47.39			

Form GT - 3.2

REVENUE SUBSIDIES & GRANTS

Name of the Petitioner:

Rajasthan Rajya Vidhyu Utpadan Nigam Ltd.

Name of the Power Station :

Kota Thermal Power Station

Rs. in Crores)

S.No	Particulars	Year 2016-17			Remarks / Reasons for difference,if any
		Approved as per order	Claimed as per audited accounts	Difference	
1	2	3	4	5 = (3-4)	6
A.	<u>Revenue Subsidies & grants:-</u>				
1	Subvention from State Government towards sale of electricity	nil	nil		
2	State Govt. Grant against addl. Intt. Liability on Company	nil	nil		
3	Any Other item	nil	nil		
	Total-A	nil	nil		

Form GT - 3.2

REVENUE SUBSIDIES & GRANTS

Name of the Petitioner:

Rajasthan Rajya Vidhyu Utpadan Nigam Ltd.

Name of the Power Station :

Suratgarh Thermal Power Station

Rs. in Crores)

S.No	Particulars	Year 2016-17			Remarks / Reasons for difference,if any
		Approved as per order	Claimed as per audited accounts	Difference	
1	2	3	4	5 = (3-4)	6
A.	<u>Revenue Subsidies & grants:-</u>				
1	Subvention from State Government towards sale of electricity	nil	nil		
2	State Govt. Grant against addl. Intt. Liability on Company	nil	nil		
3	Any Other item	nil	nil		
	Total-A	nil	nil		

Form GT - 3.2

REVENUE SUBSIDIES & GRANTSName of the Petitioner:
Name of the Power Station :Rajasthan Rajya Vidhyu Utpadan Nigam Ltd.
Chhabra Thermal Power Station

Rs. in Crores)

S.No	Particulars	Year 2016-17			Remarks / Reasons for difference,if any
		Approved as per order	Claimed as per audited accounts	Difference	
1	2	3	4	5 = (3-4)	6
A.	<u>Revenue Subsidies & grants:-</u>				
1	Subvention from State Government towards sale of electricity	nil	nil		
2	State Govt. Grant against addl. Intt. Liability on Company	nil	nil		
3	Any Other item	nil	nil		
	Total-A	nil	nil		

Form GT - 3.2

REVENUE SUBSIDIES & GRANTSName of the Petitioner:
Name of the Power Station :Rajasthan Rajya Vidhyu Utpadan Nigam Ltd.
Dholpur Combined Cycle Gas based Thermal Power Plant

Rs. in Crores)

S.No	Particulars	Year 2016-17			Remarks / Reasons for difference,if any
		Approved as per order	Claimed as per audited accounts	Difference	
1	2	3	4	5 = (3-4)	6
A.	<u>Revenue Subsidies & grants:-</u>				
1	Subvention from State Government towards sale of electricity	nil	nil		
2	State Govt. Grant against addl. Intt. Liability on Company	nil	nil		
3	Any Other item	nil	nil		
	Total-A	nil	nil		

Form GT - 3.2

REVENUE SUBSIDIES & GRANTS

Name of the Petitioner:
Name of the Power Station :

Rajasthan Rajya Vidhyu Utpadan Nigam Ltd.
Ramgarh Gas Thermal Power Plant

Rs. in Crores)

S.No	Particulars	Year 2016-17			Remarks / Reasons for difference,if any
		Approved as per order	Claimed as per audited accounts	Difference	
1	2	3	4	5 = (3-4)	6
A.	<u>Revenue Subsidies & grants:-</u>				
1	Subvention from State Government towards sale of electricity	nil	nil		
2	State Govt. Grant against addl. Intt. Liability on Company	nil	nil		
3	Any Other item	nil	nil		
	Total-A	nil	nil		

Form GT - 3.2

REVENUE SUBSIDIES & GRANTS

Name of the Petitioner:
Name of the Power Station :

Rajasthan Rajya Vidhyu Utpadan Nigam Ltd.
Mahi Hydel Power Project

Rs. in Crores)

S.No	Particulars	Year 2016-17			Remarks / Reasons for difference,if any
		Approved as per order	Claimed as per audited accounts	Difference	
1	2	3	4	5 = (3-4)	6
A.	<u>Revenue Subsidies & grants:-</u>				
1	Subvention from State Government towards sale of electricity	nil	nil		
2	State Govt. Grant against addl. Intt. Liability on Company	nil	nil		
3	Any Other item	nil	nil		
	Total-A	nil	nil		

NON TARIFF INCOME

Name of the Petitioner:

Rajasthan Rajya Vidhyu Utpadan Nigam Ltd.

Name of the Power Station :

Kota Thermal Power Station

Rs. in Crores

S. No.	Particulars	YEAR 2016-17			Remarks / Reasons for difference,if any
		Approved as per order	Claimed as per audited accounts	Difference	
1	2	3	4	5 = (3-4)	6
A)	Non Tariff Income				
1	Interest Subsidy from State Govt.	0.00	0.00	0.00	
2	Interest on Loans and Advances to Staff	0.00	0.00	0.00	
3	Interest Income from Investments/ Deposits	0.00	0.00	0.00	
4	Income from sale of scrap	0.00	0.00	0.00	
5	Miscellaneous Receipts(Rebate)	0.00	0.00	0.00	
	Sub-Total	4.38	8.25	-3.87	
	Corporate Allocation	0.00	9.84	-9.84	
	Total -	4.38	18.08	-13.70	

NON TARIFF INCOME

Name of the Petitioner:

Rajasthan Rajya Vidhyu Utpadan Nigam Ltd.

Name of the Power Station :

Suratgarh Thermal Power Station

Rs. in Crores

S. No.	Particulars	YEAR 2016-17			Remarks / Reasons for difference,if any
		Approved as per order	Claimed as per audited accounts	Difference	
1	2	3	4	5 = (3-4)	6
A)	Non Tariff Income				
1	Interest Subsidy from State Govt.	0.00	0.00	0.00	
2	Interest on Loans and Advances to Staff	0.00	0.00	0.00	
3	Interest Income from Investments/ Deposits	0.00	0.00	0.00	
4	Income from sale of scrap	0.00	0.00	0.00	
5	Miscellaneous Receipts(Rebate)	0.00	0.00	0.00	
	Sub-Total	1.85	3.36	-1.51	
	Corporate Allocation	0.00	4.01	-4.01	
	Total -	1.85	7.38	-5.53	

NON TARIFF INCOME

Name of the Petitioner:

Rajasthan Rajya Vidhyu Utpadan Nigam Ltd.

Name of the Power Station :

Chhabra Thermal Power Station

Rs. in Crores

S. No.	Particulars	YEAR 2016-17			Remarks / Reasons for difference,if any
		Approved as per order	Claimed as per audited accounts	Difference	
1	2	3	4	5 =(3-4)	6
A)	Non Tariff Income				
1	Interest Subsidy from State Govt.	0.00	0.00	0.00	
2	Interest on Loans and Advances to Staff	0.00	0.00	0.00	
3	Interest Income from Investments/ Deposits	0.00	0.00	0.00	
4	Income from sale of scrap	0.00	0.00	0.00	
5	Miscellaneous Receipts(Rebate)	0.00	0.00	0.00	
	Sub-Total	1.30	6.55	-5.25	
	Corporate Allocation	0.00	7.81	-7.81	
	Total -	1.30	14.36	-13.06	

NON TARIFF INCOME

Name of the Petitioner:

Rajasthan Rajya Vidhyu Utpadan Nigam Ltd.

Name of the Power Station :

Dholpur Combined Cycle Gas based Thermal Power Plant

Rs. in Crores

S. No.	Particulars	YEAR 2016-17			Remarks / Reasons for difference,if any
		Approved as per order	Claimed as per audited accounts	Difference	
1	2	3	4	5 =(3-4)	6
A)	Non Tariff Income				
1	Interest Subsidy from State Govt.	0.00	0.00	0.00	
2	Interest on Loans and Advances to Staff	0.00	0.00	0.00	
3	Interest Income from Investments/ Deposits	0.00	0.00	0.00	
4	Income from sale of scrap	0.00	0.00	0.00	
5	Miscellaneous Receipts(Rebate)	0	0.00	0.00	
	Sub-Total	0.17	0.12	0.05	
	Corporate Allocation	0.00	0.14	-0.14	
	Total -	0.17	0.26	-0.09	

NON TARIFF INCOME

Name of the Petitioner:

Rajasthan Rajya Vidhyu Utpadan Nigam Ltd.

Name of the Power Station :

Ramgarh Gas Thermal Power Plant

Rs. in Crores

S. No.	Particulars	YEAR 2016-17			Remarks / Reasons for difference,if any
		Approved as per order	Claimed as per audited accounts	Difference	
1	2	3	4	5=(3-4)	6
A)	Non Tariff Income				
1	Interest Subsidy from State Govt.	0.00	0.00	0.00	
2	Interest on Loans and Advances to Staff	0.00	0.00	0.00	
3	Interest Income from Investments/ Deposits	0.00	0.00	0.00	
4	Income from sale of scrap	0.00	0.00	0.00	
5	Miscellaneous Receipts(Rebate)	0	0.00	0.00	
	Sub-Total	0.02	0.05	-0.03	
	Corporate Allocation	0.00	0.06	-0.06	
	Total -	0.02	0.11	-0.09	

NON TARIFF INCOME

Name of the Petitioner:

Rajasthan Rajya Vidhyu Utpadan Nigam Ltd.

Name of the Power Station :

Mahi Thermal Power Project

Rs. in Crores

S. No.	Particulars	YEAR 2016-17			Remarks / Reasons for difference,if any
		Approved as per order	Claimed as per audited accounts	Difference	
1	2	3	4	5=(3-4)	6
A)	Non Tariff Income				
1	Interest Subsidy from State Govt.	0.00	0.00	0.00	
2	Interest on Loans and Advances to Staff	0.00	0.00	0.00	
3	Interest Income from Investments/ Deposits	0.00	0.00	0.00	
4	Income from sale of scrap	0.00	0.00	0.00	
5	Miscellaneous Receipts(Rebate)	0.00	0.00	0.00	
	Sub-Total	0.04	0.06	-0.02	
	Corporate Allocation	0.00	0.07	-0.07	
	Total -	0.04	0.13	-0.09	

O&M Expenses

Name of the Petitioner:

Rajasthan Rajya Vidhyu Utpadan Nigam Ltd.

Name of the Power Station :

Kota Thermal Power Station

S.No	Particulars	Year 2016-17			Remarks / Reasons for difference,if any
		Approved as per order	Claimed as per audited accounts	Difference	
1	2	3	4	5 = (3-4)	6
1	Installed Capacity in MW	1240	1240		
2	Total O&M Expense for FY 2016-17 & Other Operating Expenses	223.542	237.36	-13.81	
3	Special O&M expense for Water pipe lines>50 km	0.00	0.00	0.00	
4	Details of Water pumping Stations beyond 50 K.M. from Water intake point	N/A			
5	<u>Pumping Station No.1 :-</u>				
6	Power consumption Cost	N/A			
7	Repair / Maintenance / Employee / other Cost	N/A			
8	Sub total (b)	N/A			
9	<u>Pumping Station No.2 :-</u>				
10	and so on				
11	Total (4) Special O&M Expenses	0.00	0.00	0.00	
12	Total O&M expenses	223.54	237.36	-13.81	

O&M Expenses

Name of the Petitioner:

Rajasthan Rajya Vidhyu Utpadan Nigam Ltd.

Name of the Power Station :

Suratgarh Thermal Power Station

S.No	Particulars	Year 2016-17			Remarks / Reasons for difference,if any
		Approved as per order	Claimed as per audited accounts	Difference	
1	2	3	4	5 = (3-4)	6
1	Installed Capacity in MW	1500	1500		
2	Total O&M Expense for FY 2016-17 & Other Operating Expenses	270.41	224.43	45.98	
3	Special O&M expense for Water pipe lines>50 km	0.00	0.00	0.00	
4	Details of Water pumping Stations beyond 50 K.M. from Water intake point	N/A			
5	<u>Pumping Station No.1 :-</u>				
6	Power consumption Cost	N/A			
7	Repair / Maintenance / Employee / other Cost	N/A			
8	Sub total (b)	N/A			
9	<u>Pumping Station No.2 :-</u>				
10	and so on				
11	Total (4) Special O&M Expenses	0.00	0.00	0.00	
12	Total O&M expenses	270.41	224.43	45.98	

O&M Expenses

Name of the Petitioner:

Rajasthan Rajya Vidhy Utpadan Nigam Ltd.

Name of the Power Station :

Chhabra Thermal Power Station

S.No	Particulars	Year 2016-17			Remarks / Reasons for difference,if any
		Approved as per order	Claimed as per audited accounts	Difference	
1	2	3	4	5 = (3-4)	6
1	Installed Capacity in MW	500	500		
2	Total O&M Expense for FY 2016-17 & Other Operating Expenses	90.13797001	73.84	16.30	
3	Special O&M expense for Water pipe lines>50 km	0.00	0.00	0.00	
4	Details of Water pumping Stations beyond 50 K.M. from Water intake point	N/A			
5	<u>Pumping Station No.1 :-</u>				
6	Power consumption Cost	N/A			
7	Repair / Maintenance / Employee / other Cost	N/A			
8	Sub total (b)	N/A			
9	<u>Pumping Station No.2 :-</u>				
10	and so on				
11	Total (4) Special O&M Expenses	0.00	0.00	0.00	
12	Total O&M expenses	90.14	73.84	16.30	

Note: separate details to be submitted for each Unit-size of the Generating Company

O&M Expenses

Name of the Petitioner: Rajasthan Rajya Vidhy Utpadan Nigam Ltd.

Name of the Power Station : Dholpur Combined Cycle Gas based Thermal Power Plant

S.No	Particulars	Year 2016-17			Remarks / Reasons for difference,if any
		Approved as per order	Claimed as per audited accounts	Difference	
1	2	3	4	5 = (3-4)	6
1	Installed Capacity in MW	330.00	330.00		
2	Total O&M Expense for FY 2016-17 & Other Operating Expenses	44.59	20.21	24.38	
3	Special O&M expense for Water pipe lines>50 km	0.00	0.00	0.00	
4	Details of Water pumping Stations beyond 50 K.M. from Water intake point	N/A			
5	<u>Pumping Station No.1 :-</u>				
6	Power consumption Cost	N/A			
7	Repair / Maintenance / Employee / other Cost	N/A			
8	Sub total (b)	N/A			
9	<u>Pumping Station No.2 :-</u>				
10	and so on				
11	Total (4) Special O&M Expenses	0.00	0.00	0.00	
12	Total O&M expenses	44.59	20.21	24.38	

O&M Expenses

Name of the Petitioner:

Rajasthan Rajya Vidhyu Utpadan Nigam Ltd.

Name of the Power Station :

Ramgarh Gas Thermal Power Plant

S.No	Particulars	Year 2016-17			Remarks / Reasons for difference,if any
		Approved as per order	Claimed as per audited accounts	Difference	
1	2	3	4	5 = (3-4)	6
1	Installed Capacity in MW	110.50	110.50		
2	Total O&M Expense for FY 2016-17 & Other Operating Expenses	19.920	11.33	8.59	
3	Special O&M expense for Water pipe lines>50 km	0.00	0.00	0.00	
4	Details of Water pumping Stations beyond 50 K.M. from Water intake point	N/A			
5	<u>Pumping Station No.1 :-</u>				
6	Power consumption Cost	N/A			
7	Repair / Maintenance / Employee / other Cost	N/A			
8	Sub total (b)	N/A			
9	<u>Pumping Station No.2 :-</u>				
10	and so on				
11	Total (4) Special O&M Expenses	0.00	0.00	0.00	
12	Total O&M expenses	19.92	11.33	8.59	

O&M Expenses

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

S.No	Particulars	Year 2016-17			Remarks / Reasons for difference,if any
		Approved as per order	Claimed as per audited accounts	Difference	
1	2	3	4	5 = (3-4)	6
1	Installed Capacity in MW	140.00	140.00		
2	Total O&M Expense for FY 2016-17 & Other Operating Expenses	15.56	23.54	-7.98	
3	Special O&M expense for Water pipe lines>50 km	0.00	0.00	0.00	
4	Details of Water pumping Stations beyond 50 K.M. from Water intake point	N/A			
5	<u>Pumping Station No.1 :-</u>				
6	Power consumption Cost	N/A			
7	Repair / Maintenance / Employee / other Cost	N/A			
8	Sub total (b)	N/A			
9	<u>Pumping Station No.2 :-</u>				
10	and so on				
11	Total (4) Special O&M Expenses	0.00	0.00	0.00	
12	Total O&M expenses	15.56	23.54	-7.98	

O&M Expenses

Name of the Petitioner:

Rajasthan Rajya Vidhyu Utpadan Nigam Ltd.

Name of the Power Station :

RVUN

S.No	Particulars	Year 2016-17			Remarks / Reasons for difference,if any
		Approved as per order	Claimed as per audited accounts	Difference	
1	2	3	4	5 = (3-4)	6
1	Installed Capacity in MW	3820.50	3820.50		
2	Total O&M Expense for FY 2016-17 & Other Operating Expenses	664.16	590.71	73.46	
3	Special O&M expense for Water pipe lines>50 km	0.00	0.00	0.00	
4	Details of Water pumping Stations beyond 50 K.M. from Water intake point	N/A			
5	Pumping Station No.1 :-				
6	Power consumption Cost	N/A			
7	Repair / Maintenance / Employee / other Cost	N/A			
8	Sub total (b)	N/A			
9	Pumping Station No.2 :-				
10	and so on				
11	Total (4) Special O&M Expenses	0.00	0.00	0.00	
12	Total O&M expenses	664.16	590.71	73.46	

Energy Charges for Thermal Generation

Name of the Petitioner:
Name of the Power Station :Rajasthan Rajya Vidhyu Utpadan Nigam Ltd.
Kota Thermal Power Station

S.No.	Particulars	Units	Year 2016-17			Remarks
			Approved as per order	Claimed as per audited accounts	Difference	
1	2	3	4	5	6 = 5-4	7
1	Operational Parameters					
1.1	Total Capacity	MW	1240	1240	0	
1.2	Availability	%	82	88.74	6.74	
1.3	PLF	%	82	67.26	-14.74	
1.4	Gross Generation	MU	8907.17	7486.91	-1420.26	
1.5	Auxiliary Energy Consumption	%	9.27	11.46	2.19	
1.6	Auxiliary Energy Consumption	MU	825.69	858.12	32.43	
1.7	Net Generation	MU	8081.47	6628.79	-1452.68	
1.8	Heat Rate	kcal/kWh	2561.70	2551.16	-10.54	
2	Fuel Parameters (for each primary and secondary fuel)					
2.1	Gross Calorific Value					
2.1.1	Fuel 1- Indigenous coal/ Lignite	kcal/Kg.	4017.13	3846.4	-170.73	
2.1.2	Fuel 2- Imported coal	kcal/Kg.	0.00	0	0	
2.1.3	Fuel 3- H.F. O.	kcal/ltr	25114.61	9546.87	-15567.74	
2.1.4	Fuel 3- L.D.O	kcal/ltr	9446.28		-9446.28	
2.2	Landed Fuel Price per unit (Please specify the fuel)					
2.2.1	Fuel 1- Indigenous coal/ Lignite	Rs/MT	3601.98	4088.21	486.23	
2.2.2	Fuel 2- Imported coal	Rs/MT	0	0.00	0.00	
2.2.3	Fuel 3- H.F. O.	Rs./KL	25114.61	27752.28	2637.67	
2.2.4	Fuel 4- L.D.O	Rs./KL	42845.63		-42845.63	
3	Fuel Consumption and Heat Contribution (for each fuel separately)					
3.1	Total Fuel Consumption					
3.1.1	Fuel 1- Indigenous coal/ Lignite	MT	5653942.06	4950759	-703183.06	
3.1.2	Fuel 2- Imported coal	MT	0.00	0	0.00	
3.1.3	Fuel 3- H.F. O.	KL	4008.23	6047.06	2038.83	
3.1.4	Fuel 4- L.D.O	KL	445.36		-445.36	
3.2	Specific Fuel Consumption					
3.2.1	Fuel 1- Indigenous coal/ Lignite	Kg./kWh	0.63	0.66	0.03	
3.2.2	Fuel 2- Imported coal	Kg./kWh	0.00	0.000	0.00	
3.2.3	Fuel 3- HFO	Rs./KL	0.45	0.808	0.36	
3.2.4	Fuel 4- LDO	Rs./KL	0.05		-0.05	
3.3	Heat Content (each fuel separately)					
3.3.1	Fuel 1- Indegenous coal/ Lignite (2.1.1 x 3.1.1)	Million kcal	22712620.26	19042599.42	-3670020.85	
3.3.2	Fuel 2 - Imported coal (2.1.2 x 3.1.2)	Million kcal	0.00	0.00	0.00	
3.3.3	Fuel 3 - FO/ HSD (2.1.3 x 3.1.3)	Million kcal	100665.02	57730.50	-42934.53	
3.3.4	Fuel 4- L.D.O	Million kcal	4206.98	0.00	-4206.98	
	Total Heat Content		22817492.27	19100329.91	-3717162.35	
4	Total Fuel Cost					
4.1.1	Fuel 1 - Indegenous coal/ Lignite (2.2.1 x 3.1.1)	Rs Crore	2036.54	2023.97	-12.56	2023.97448
4.1.2	Fuel 2 - Imported coal (2.2.2 x 3.1.2)	Rs Crore	0.00	0.00	0.00	
4.1.3	Fuel 3 - HFO	Rs Crore	10.07	16.78	6.72	
4.1.4	Fuel 4- L.D.O	Rs Crore	1.91	0.00	-1.91	
	Total Fuel Cost	Rs Crore	2048.51	2040.76	-7.76	
					0	
5	Other Charges and Adjustments	Rs Crore		9.12	9.12	
					0.00	
6	Total Cost (4+5)	Rs Crore	2048.51	2049.88	1.36	
					0.00	
7	Cost of Generation per unit (at Generation Terminal) (6/1.4)	Rs/kWh	2.30	2.74	0.44	
					0.00	
	Energy Charge per unit (ex-bus) (6/1.7)					
8		Rs/kWh	2.53	3.09	0.56	

Energy Charges for Thermal Generation

Name of the Petitioner:

Rajasthan Rajya Vidhyu Utpadan Nigam Ltd.

Name of the Power Station :

Suratgarh Thermal Power Station

S.No.	Particulars	Units	Year 2016-17			Remarks
			Approved as per order	Claimed as per audited accounts	Difference	
1	2	3	4	5	6 = 5-4	7
1	Operational Parameters					
1.1	Total Capacity	MW	1500	1500		
1.2	Availability	%	82	85.77	3.77	
1.3	PLF	%	82	33.65	-48.35	
1.4	Gross Generation	MU	10774.80	4474.71	-6300.09	
1.5	Auxiliary Energy Consumption	%	9	10.09	1.09	
1.6	Auxiliary Energy Consumption	MU	969.73	451.43	-518.30	
1.7	Net Generation	MU	9805.07	4023.28	-5781.79	
1.8	Heat Rate	kcal/kWh	2476.28	2452.08	-24.20	
2	Fuel Parameters (for each primary and secondary fuel)					
2.1	Gross Calorific Value					
2.1.1	Fuel 1- Indigenous coal/ Lignite	kcal/Kg.	4108.74	4023	-85.74	
2.1.2	Fuel 2- Imported coal	kcal/Kg.	0.00	0	0.00	
2.1.3	Fuel 3- HFO	kcal/ltr	9822.79	9835.56	12.77	
2.1.4	Fuel 4- LDO	kcal/ltr	9679.79			
2.2	Landed Fuel Price per unit (Please specify the fuel)					
2.2.1	Fuel 1- Indigenous coal/ Lignite	Rs/MT	4996.98	5140.96	143.98	
2.2.2	Fuel 2- Imported coal	Rs/MT	0.00	0	0.00	
2.2.3	Fuel 3- HFO	Rs./KL	25754.6	26741.81	987.21	
2.2.4	Fuel 4- LDO	Rs./KL	41882.25			
3	Fuel Consumption and Heat Contribution (for each fuel separately)					
3.1	Total Fuel Consumption					
3.1.1	Fuel 1- Indigenous coal/ Lignite	MT		2710240		
3.1.2	Fuel 2- Imported coal	MT		0		
3.1.3	Fuel 3- HFO	KL		7020.34		
3.1.4	Fuel 4- LDO	KL				
3.2	Specific Fuel Consumption					
3.2.1	Fuel 1- Indigenous coal/ Lignite	Kg./kWh		0.61		
3.2.2	Fuel 2- Imported coal	Kg./kWh		0.00		
3.2.3	Fuel 3- HFO	ML/Kwh		1.57		
3.2.4	Fuel 4- LDO	ML/Kwh		0.00		
3.3	Heat Content (each fuel separately)					
3.3.1	Fuel 1- Indigenous coal/ Lignite (2.1.1 x 3.1.1)	Million kcal		10903295.52		
3.3.2	Fuel 2 - Imported coal (2.1.2 x 3.1.2)	Million kcal		0.00		
3.3.3	Fuel 3 - HFO (2.1.3 x 3.1.3)	Million kcal		69048.98		
3.3.4	Fuel 4- LDO	Million kcal				
	Total Heat Content			10972344.50		
4	Total Fuel Cost					
4.1.1	Fuel 1 - Indigenous coal/ Lignite (2.2.1 x 3.1.1)	Rs Crore		1393.32		
4.1.2	Fuel 2 - Imported coal (2.2.2 x 3.1.2)	Rs Crore		0.00		
4.1.3	Fuel 3 - HFO (2.2.3 x 3.1.3)	Rs Crore		18.77		
4.1.4	Fuel 4- LDO	Rs Crore				
	Total Fuel Cost	Rs Crore	3252.74	1412.10		
5	Other Charges and Adjustments	Rs Crore		2.88		
6	Total Cost (4+5)	Rs Crore	3252.74	1414.97		
7	Cost of Generation per unit (at Generation Terminal) (6/1.4)	Rs/kWh	3.02	3.16		
8	Energy Charge per unit (ex-bus) (6/1.7)	Rs/kWh	3.317	3.52		

Name of the Petitioner:
Name of the Power Station :

Energy Charges for Thermal Generation
Rajasthan Rajya Vidhyu Utpadan Nigam Ltd.
Chhabra Thermal Power Station

S.No.	Particulars	Units	Year 2016-17			Remarks
			Approved as per order	Claimed as per audited accounts	Difference	
1	2	3	4	5	6 = 5-4	7
1	Operational Parameters					
1.1	Total Capacity	MW	500	500	0	
1.2	Availability	%	80	81.37	1.374455392	
1.3	PLF	%	80	76.76	-3.24	
1.4	Gross Generation	MU	3504.00	3404.26	-99.74	
1.5	Auxiliary Energy Consumption	%	9	10.13	1.128333861	
1.6	Auxiliary Energy Consumption	MU	315.36	344.79	29.43	
1.7	Net Generation	MU	3188.64	3059.46	-129.18	
1.8	Heat Rate	kcal/kWh	2312.31	2615.92	303.61	
2	Fuel Parameters (for each primary and secondary fuel)					
2.1	Gross Calorific Value					
2.1.1	Fuel 1- Indigenous coal/ Lignite	kcal/Kg.	4220.32	4059.87	-160.45	
2.1.2	Fuel 2- Imported coal	kcal/Kg.	0.00	0	0.00	
2.1.3	Fuel 3- HFO	kcal/KL	10200.00	10416	216.00	
2.1.4	Fuel 4- LDO	kcal/KL	10312.00	10200	-112.00	
2.2	Landed Fuel Price per unit (Please specify the fuel)				0.00	
2.2.1	Fuel 1- Indigenous coal/ Lignite	Rs/MT	3271.08	3658.89	387.81	
2.2.2	Fuel 2- Imported coal	Rs/MT	0	0	0.00	
2.2.3	Fuel 3- HFO	Rs./KL	22881.4	22269.10	-612.30	
2.2.4	Fuel 4- LDO	Rs./KL	37312.5	38457.74	1145.24	
3	Fuel Consumption and Heat Contribution (for each fuel separately)				0.00	
3.1	Total Fuel Consumption				0.00	
3.1.1	Fuel 1- Indigenous coal/ Lignite	MT	1915599.82	2183270	267670.18	
3.1.2	Fuel 2- Imported coal	MT	1915599.82	0	-1915599.82	
3.1.3	Fuel 3- HFO	KL	1576.80	3653.134	2076.33	
3.1.4	Fuel 4- LDO	KL	175.20	337.078	161.88	
3.2	Specific Fuel Consumption				0.00	
3.2.1	Fuel 1- Indigenous coal/ Lignite	Kg/kWh	0.55	0.641	0.09	
3.2.2	Fuel 2- Imported coal	Kg/kWh	0.55	0.000	-0.55	
3.2.3	Fuel 3- HSD	ML/Kwh	0.45	1.073	0.62	
3.2.4	Fuel 4- LDO	ML/Kwh	0.05	0.099	0.05	
3.3	Heat Content (each fuel separately)				0.00	
3.3.1	Fuel 1- Indigenous coal/ Lignite	Million kcal	808444.22	8863792.37	779348.16	
3.3.2	Fuel 2- Imported coal	Million kcal	0.00	0.00	0.00	
3.3.3	Fuel 3 - HFO	Million kcal	16083.36	38051.04	21967.68	
3.3.4	Fuel 4- LDO		1806.66	3438.20	1631.53	
	Total Heat Content		8102334.24	8905281.61	802947.37	
4	Total Fuel Cost				0.00	
4.1.1	Fuel 1 - Indigenous coal/ Lignite	Rs Crore	626.61	798.83	172.23	
4.1.2	Fuel 2 - Imported coal	Rs Crore	0.00	0.00	0.00	
4.1.3	Fuel 3 - HFO	Rs Crore	3.61	8.135	4.53	
4.1.4	Fuel 4- LDO	Rs Crore	0.65	1.30	0.64	
	Total Fuel Cost	Rs Crore	630.87	808.27	177.40	
					0.00	
5	Other Charges and Adjustments	Rs Crore		7.78	7.78	
6	Total Cost (4+5+5.1)	Rs Crore	630.87	816.04	185.17	
					0.00	
7	Cost of Generation per unit (at Generation Terminal) (6/1.4)	Rs/kWh	1.80	2.40	0.60	
					0.00	
8	Energy Charge per unit (ex-bus) (6/1.7)	Rs/kWh	1.98	2.67	0.69	

Energy Charges for Thermal Generation

Name of the Petitioner:

Rajasthan Rajya Vidhy Utpadan Nigam Ltd.

Name of the Power Station :

Dholpur Combined Cycle Gas based Thermal Power Plant

S.No.	Particulars	Units	Year 2016-17			Remarks
			Approved as per order	Claimed as per audited accounts	Difference	
1	2	3	4	5	6 = 5-4	7
1	Operational Parameters					
1.1	Total Capacity	MW	330	330		
1.2	Availability	%	80	26.47		
1.3	PLF	%	80	3.38		
1.4	Gross Generation	MU	2312.64	124.85	2187.79	
1.5	Auxiliary Energy Consumption	%	2.9	24.03	-21.13	
1.6	Auxiliary Energy Consumption	MU	67.07	30.00	37.07	
1.7	Net Generation	MU	2245.57	94.86	2150.72	
1.8	Heat Rate	kcal/kWh	1994.00	2334.08	-340.08	
2	Fuel Parameters (for each primary and secondary fuel)					
2.1	Gross Calorific Value					
2.1.1	Fuel 1- Indigenous coal/ Lignite	kcal/Kg.				
2.1.2	Fuel 2- Imported coal	kcal/Kg.				
2.1.3	Fuel 3- F. O./ HSD	kcal/KL				
2.1.4	Natural Gas	kcal/SCM	9196.45	9197.63	-1.18	
2.2	Landed Fuel Price per unit (Please specify the fuel)					
2.2.1	Fuel 1- Indigenous coal/ Lignite	Rs/MT				
2.2.2	Fuel 2- Imported coal	Rs/MT				
2.2.3	Fuel 3- F. O./ HSD	Rs./KL				
2.2.4	Natural Gas	Rs./SCM	15.99	15.38	0.61	
3	Fuel Consumption and Heat Contribution (for each fuel separately)					
3.1	Total Fuel Consumption					
3.1.1	Fuel 1- Indigenous coal/ Lignite	MT				
3.1.2	Fuel 2- Imported coal	MT				
3.1.3	Fuel 3- F. O./ HSD	KL				
3.1.4	Natural Gas	SCM	501433070.37	31683901	469749169.37	
3.2	Specific Fuel Consumption					
3.2.1	Fuel 1- Indigenous coal/ Lignite	Kg./kWh				
3.2.2	Fuel 2- Imported coal	Kg./kWh				
3.2.3	Fuel 3- F. O./ HSD	ML/kWh				
3.2.4	Natural Gas	SCM/kWh	0.22	0.254	-0.04	
3.3	Heat Content (each fuel separately)					
3.3.1	Fuel 1- Indigenous coal/ Lignite (2.1.1 x 3.1.1)	Million kcal				
3.3.2	Fuel 2- Imported coal (2.1.2 x 3.1.2)	Million kcal				
3.3.3	Fuel 3- FO/ HSD (2.1.3 x 3.1.3)	Million kcal				
3.3.4	Natural Gas	Million kcal	4611404.16	291416.80	4319987.36	
	Total Heat Content		4611404.16	291416.80	4319987.36	
4	Total Fuel Cost					
4.1.1	Fuel 1 - Indigenous coal/ Lignite (2.2.1 x 3.1.1)	Rs Crore				
4.1.2	Fuel 2 - Imported coal (2.2.2 x 3.1.2)	Rs Crore				
4.1.3	Fuel 3 - FO/ HSD (2.2.3 x 3.1.3)	Rs Crore				
4.1.4	Natural Gas	Rs Crore	801.79	48.73	753.06	
	Total Fuel Cost	Rs Crore	801.79	48.73	753.06	
5	Other Charges and Adjustments	Rs Crore	0.00	0.00	0.00	
6	Total Cost (4+5)	Rs Crore	801.79	48.73	753.06	
7	Cost of Generation per unit (at Generation Terminal) (6/1.4)	Rs/kWh	3.47	3.90	-0.44	
8	Energy Charge per unit (ex-bus) (6/1.7)	Rs/kWh	3.57	5.14	-1.57	

Energy Charges for Thermal Generation

Name of the Petitioner:

Rajasthan Rajya Vidhyu Utpadan Nigam Ltd.

Name of the Power Station :

Ramgarh Gas Thermal Power Plant

S.No.	Particulars	Units	Year 2016-17		Difference	Remarks
			Approved as per order	Claimed as per audited accounts		
1	2	3	4	5	6 = 5-4	7
1	Operational Parameters					
1.1	Total Capacity	MW	110.50	110.5		
1.2	Availability	%	70	45.72		
1.3	PLF	%	70	45.70		
1.4	Gross Generation	MU	677.59	451.62		
1.5	Auxiliary Energy Consumption	%	2.4	4.39		
1.6	Auxiliary Energy Consumption	MU	16.26	19.85		
1.7	Net Generation	MU	661.32	431.77		
1.8	Heat Rate	kcal/kWh	2214.00	2596.60		
2	Fuel Parameters (for each primary and secondary fuel)					
2.1	Gross Calorific Value					
2.1.1	Fuel 1- Indigenous coal/ Lignite	kcal/Kg.				
2.1.2	Fuel 2- Imported coal	kcal/Kg.				
2.1.3	Fuel 3- HSD	kcal/KL	9300.00	9300		
2.1.4	Natural Gas	kcal/SCM	5178.72	4615.49		
2.2	Landed Fuel Price per unit (Please specify the fuel)					
2.2.1	Fuel 1- Indigenous coal/ Lignite	Rs/MT				
2.2.2	Fuel 2- Imported coal	Rs/MT				
2.2.3	Fuel 3- HSD	Rs./KL	42978.89	42978.89		
2.2.4	Natural Gas	Rs./SCM	6.6	4.38		
3	Fuel Consumption and Heat Contribution (for each fuel separately)					
3.1	Total Fuel Consumption					
3.1.1	Fuel 1- Indigenous coal/ Lignite	MT				
3.1.2	Fuel 2- Imported coal	MT				
3.1.3	Fuel 3- HSD	KL		4.55		
3.1.4	Fuel 4- Natural Gas	SCM		254075041.30		
3.2	Specific Fuel Consumption					
3.2.1	Fuel 1- Indigenous coal/ Lignite	Kg./kWh				
3.2.2	Fuel 2- Imported coal	Kg./kWh				
3.2.3	Fuel 3- HSD	ML/Kwh		0.01		
3.2.4	Natural Gas	SCM/kWh		0.56		
3.3	Heat Content (each fuel separately)					
3.3.1	Fuel 1- Indigenous coal/ Lignite (2.1.1 x 3.1.1)	Million kcal				
3.3.2	Fuel 2 - Imported coal (2.1.2 x 3.1.2)	Million kcal				
3.3.3	Fuel 3 - HSD (2.1.3 x 3.1.3)	Million kcal		0.04		
3.3.4	Natural Gas	Million kcal		1172679.80		
	Total Heat Content			1172679.84		
4	Total Fuel Cost					
4.1.1	Fuel 1 - Indigenous coal/ Lignite (2.2.1 x 3.1.1)	Rs Crore				
4.1.2	Fuel 2 - Imported coal (2.2.2 x 3.1.2)	Rs Crore				
4.1.3	Fuel 3 - HSD (2.2.3 x 3.1.3)	Rs Crore		0.02		
4.1.4	Natural Gas	Rs Crore		111.22		
	Total Fuel Cost	Rs Crore	192.52	111.24		
5	Other Charges and Adjustments	Rs Crore		0.00		
6	Total Cost (4+5)	Rs Crore	192.52	111.24		
7	Cost of Generation per unit (at Generation Terminal) (6/1.4)	Rs/kWh	2.84	2.46		
8	Energy Charge per unit (ex-bus) (6/1.7)	Rs/kWh	2.91	2.58		

Form-GT- 6.1

Fixed Assets & Provisions for Depreciation

Name of the Petitioner: Rajasthan Rajya Vidhyu Utpadan Nigam Ltd.

Name of the Project/ Stage/ Unit : Kota Thermal Power Station

Year 2016-17

(Rs Crore)

Name of the project Kota Thermal Power Station

S. No.	Particulars	Stage-I			Stage-II			Stage-III			Stage-IV			H.O			Stage-V			Total		
		Unit-I&II	Unit----	Total	Unit-III	Unit-IV	Total	Unit-V	Unit----	Total	Unit-VI	Unit----	Total	Unit-VI	Unit----	Total	Unit-VII	Unit----	Total			
A	Installed Capacity(In MW)	220			210	210		210			195						195					
B	Commercial operation Date	1.4.1983			11.3.1989	06.03.1990		18.7.1995			1.8.2004						31.12.2009					
C	Capital Cost approved by the Commission (Rs. in Crore)																1257.63	851.85		851.85	2109.48	
	Addition during FY 2016-17																0.16	0.00		0	0.16	
	Total																1257.79	851.85		851.85	2109.63	
D	90 % depreciable Value																1132.01	766.66		766.66	1898.67	
E	Balance useful life as on 01.04.16																					
F	Total Depreciation allowed Upto 15-16.																777.44	263.08		263.08	1040.52	
G	Balance depreciation to be allowed.																354.57	503.58		503.58	858.15	
H	Percentage depreciation allowed upto 15-16.																61.82%	30.88%			49.33%	
I	Depreciation for FY-2016-17																					
i	Depreciation allowed in tariff order																72.8				0.00	72.80
ii	Depreciation claimed in true up																76.13				0.00	76.13
iii	Difference (i-ii)																3.33				0.00	-3.33

Form-GT- 6.1

Fixed Assets & Provisions for Depreciation

Name of the Petitioner: Rajasthan Rajya Vidhyu Utpadan Nigam Ltd.

Name of the Project/ Stage/ Unit : Suratgarh Thermal Power Station

Year 2016-17

(Rs Crore)

Name of the project Suratgarh Thermal Power Station

S. No.	Particulars	Stage-I			Stage-II			Stage-III			Stage-IV			Total
		Unit-I	Unit-II	Total	Unit-III	Unit-IV	Total	Unit-V	Unit----	Total	Unit-VI	Unit----	Total	
A	Installed Capacity(In MW)	250	250		250	250		250			250			
B	Commercial operation Date	1.2.1999	1.10.2000		15.1.2002	31.7.2002		19.8.2003			31.12.2009			
C	Capital Cost approved by the Commission (Rs. in Crore)	4230.70						1026.78			1026.78			5257.48
	Addition during FY 2016-17	4.30												4.30
	Total	4235.00						1026.78			1026.78			5261.78
D	90 % depreciable Value	3811.50						924.10			0			4735.61
E	Balance useful life as on 01.04.16													
F	Total Depreciation allowed Upto 15-16.	2772.01						311.21			311.21			3083.22
G	Balance depreciation to be allowed.	1039.50						612.89			0			1652.39
H	Percentage depreciation allowed upto 15-16.	65.52%						30.31%			30.31%			58.64%
I	Depreciation for FY-2016-17													
	i Depreciation allowed in tariff order	163.74												163.74
	ii Depreciation claimed in true up	164.12												164.12
	iii Difference (i-ii)	0.38						0.00			0.00			0.38

Fixed Assets & Provisions for Depreciation

Name of the Petitioner: Rajasthan Rajya Vidhy Utpadan Nigam Ltd.

Name of the Project/ Stage/ Unit : Chhabra Thermal Power Station

Year 2016-17

(Rs Crore)

S. No.	Particulars	Name of the project Chhabra Thermal Power Station									
		Stage-I			Stage-II			Stage-III			Total
		Unit----	Unit----	Total	Unit----	Unit----	Total	Unit----	Unit----	Total	
A	Installed Capacity(In MW)	250	250								
B	Commercial operation Date	11.06.2010	15.10.2011								
C	Capital Cost approved by the Commission (Rs. in Crore)			2460.69						2460.694	
	Addition during FY 2016-17			0.26							
	Total			2460.96							
D	90 % depreciable Value			2214.86						2214.86	
E	Balance useful life as on 01.04.16										
F	Total Depreciation allowed Upto 15-16.			613.21						613.21	
G	Balance depreciation to be allowed.			1601.65						1601.65	
H	Percentage depreciation allowed upto 15-16.			28%						28%	
I	<u>Depreciation for FY-2015-16</u>										
	i Depreciation allowed in tariff order			124.05						124.05	
	ii Depreciation claimed in true up			122.62						122.62	
	iii Difference (i-ii)			-1.43						-1.43	

Fixed Assets & Provisions for Depreciation

Name of the Petitioner: Rajasthan Raja Vidhy Utpadan Nigam Ltd.

Name of the Project/ Stage/ Unit : Dholpur Combined Cycle Gas based Thermal Power Plant

Year 2016-17

(Rs Crore)

S. No.	Particulars	Name of the project Dholpur Combined Cycle Gas based Thermal Power Plant									
		Stage-I			Stage-II			Stage-III			Total
		Unit----	Unit----	Total	Unit----	Unit----	Total	Unit----	Unit----	Total	
A	Installed Capacity(In MW)	330									
B	Commercial operation Date	16.06.2007									
C	Capital Cost approved by the Commission (Rs. in Crore)	1115.00		1115.00							1115.00
	Addition during FY 2016-17	0.14		0.14							0.14
	Total	1115.14		1115.14							1115.14
D	90 % depreciable Value	1003.63		1003.63							1003.63
E	Balance useful life as on 01.04.16	16									
F	Total Depreciation allowed Upto 15-16.	457.10		457.10							457.1
G	Balance depreciation to be allowed.	546.53		546.53							546.53
H	Percentage depreciation allowed upto 15-16.	49%		49%							
I	<u>Depreciation for FY-2016-17</u>										
	i Depreciation allowed in tariff order	57.92		57.92							57.92
	ii Depreciation claimed in true up	57.94		57.94							57.94
	iii Difference (i-ii)	0.02		0.02							0.02

Fixed Assets & Provisions for Depreciation

Name of the Petitioner: Rajasthan Raja Vidhyu Utpadan Nigam Ltd.

Name of the Project/ Stage/ Unit : Ramgarh Gas Power Plant

Year 2016-17

(Rs Crore)

S. No.	Particulars	Name of the project Ramgarh Gas Power Plant									
		Stage-I			Stage-II			Stage-III			Total
		Unit----	Unit----	Total	Unit----	Unit----	Total	Unit----	Unit----	Total	
A	Installed Capacity(In MW)	110.5									
B	Commercial operation Date	1.09.2003									
C	Capital Cost approved by the Commission (Rs. in Crore)	311.08									
	Addition during FY 2016-17										
	Total	311.08									
D	90 % depreciable Value	279.97									
E	Balance useful life as on 01.04.16	12									
F	Total Depreciation allowed Upto 15-16.	272.47									
G	Balance depreciation to be allowed.	7.50									
H	Percentage depreciation allowed upto 15-16.	97.32%									
I	<u>Depreciation for FY-2016-17</u>										
	i Depreciation allowed in tariff order	0.00									
	ii Depreciation claimed in true up	1.88									
	iii Difference (i-ii)	1.88									

Fixed Assets & Provisions for Depreciation

Name of the Petitioner: Rajasthan Rajya Vidhy Utpadan Nigam Ltd.

Name of the Project/ Stage/ Unit : Mahi Hydel Power Project

Year 2016-17

(Rs Crore)

S. No.	Particulars	Name of the project Mahi Hydel Power Project									Total
		Stage-I			Stage-II			Stage-III			
		Unit-I	Unit----	Total	Unit----	Unit----	Total	Unit----	Unit----	Total	
A	Installed Capacity(In MW)	140									
B	Commercial operation Date	1987-1988									
C	Capital Cost approved by the Commission (Rs. in Crore)	259.02		259.02							259.02
	Addition during FY 2015-16										0.00
	Total	259.02		259.02							259.02
D	90 % depreciable Value	233.11		233.11							233.11
E	Balance useful life as on 01.04.16	7									
F	Total Depreciation allowed Upto 15-16.	198.20		198.20							198.20
G	Balance depreciation to be allowed.	34.91		34.91							34.91
H	Percentage depreciation allowed upto 15-16.	13%		13%							13%
I	<u>Depreciation for FY-2016-17</u>										
	i Depreciation allowed in tariff order	4.20		4.20							4.20
	ii Depreciation claimed in true up	6.41		6.41							6.41
	iii Difference (i-ii)	2.21		2.21							2.21

LOAN REPAYMENT, LEASE & INTEREST LIABILITY

Name of the Petitioner: Rajasthan Rajya Vidhyu Utpadan Nigam Ltd.
Name of the Power Station : Kota Thermal Power Station

Rs. Crore										Year 2016-17			
S. No.	Source (loan/lease)	Currency	Opening Balance	Actual Receipts	Actual Repayment	Closing Balance	Liability of Interest during the year	Financial charges	Lease Rental	Total interest charges	Less: Interest charges capitalised	Net interest charges	Weighted average rate of interest
1	2	3	4	5	6	7	8	9	10	11	12	13	14
1	Term		460	0.11	76	383	50.74	2.95		53.69			12.04%
2	Transitional		8	0	0	8.01	0.79			0.79			9.90%
	Total (for Station)		467.53	0.11	76.13	391.51	51.53	2.95		54.48			

Wiegthed average interest rate to be furnished for entire station based on the actual loan portfolio at the beginning of the year

LOAN REPAYMENT, LEASE & INTEREST LIABILITY

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

Rs. Crore										Year 2016-17			
S. No.	Source (loan/lease)	Currency	Opening Balance	Actual Receipts	Actual Repayment	Closing Balance	Liability of Interest during the year	Financial charges	Lease Rental	Total interest charges	Less: Interest charges capitalised	Net interest charges	Weighted average rate of interest
1	2	3	4	5	6	7	8	9	10	11	12	13	14
1	Term		514	3	58	459	60.10	6.26		66.36			12.36%
2	Transitional		423	0	106	317	36.63			36.63			9.90%
	Total (for Station)		937.01	3.01	164.12	775.90	96.73	6.26		102.99			12.03%

Wiegthed average interest rate to be furnished for entire station based on the actual loan portfolio at the beginning of the year

LOAN REPAYMENT, LEASE & INTEREST LIABILITY

Name of the Petitioner: Rajasthan Rajya Vidhyu Utpadan Nigam Ltd.
Name of the Power Station : Chhabra Thermal Power Station

Rs. Crore										Year 2016-17			
S. No.	Source (loan/lease)	Currency	Opening Balance	Actual Receipts	Actual Repayment	Closing Balance	Liability of Interest during the year	Financial charges	Lease Rental	Total interest charges	Less: Interest charges capitalised	Net interest charges	Weighted average rate of interest
1	2	3	4	5	6	7	8	9	10	11	12	13	14
1	Term		1350.41	0.18	122.62	1227.97	156.16	11.29		167.45			12.11%
	Total (for Station)		1350.41	0.18	122.62	1227.97	156.16	11.29		167.45			

Wiegthed average interest rate to be furnished for entire station based on the actual loan portfolio at the beginning of the year

LOAN REPAYMENT, LEASE & INTEREST LIABILITY

Name of the Petitioner: Rajasthan Rajya Vidhyu Utpadan Nigam Ltd.
Name of the Power Station : Dholpur Combined Cycle Gas based Thermal Power Plant

Rs. Crore										Year 2016-17			
S. No.	Source (loan/lease)	Currency	Opening Balance	Actual Receipts	Actual Repayment	Closing Balance	Liability of Interest during the year	Financial charges	Lease Rental	Total interest charges	Less: Interest charges capitalised	Net interest charges	Weighted average rate of interest
1	2	3	4	5	6	7	8	9	10	11	12	13	14
1	Term		261.44	0.10	57.94	203.59	27.30	1.63		28.93			11.74%
2	Transitional		24.11	0.00	0.00	24.11	2.39			2.39			9.90%
	Total (for Station)		285.55	0.10	57.94	227.71	29.68	1.63		31.32			

LOAN REPAYMENT, LEASE & INTEREST LIABILITY

Name of the Petitioner: Rajasthan Rajya Vidhy Utpadan Nigam Ltd.
Name of the Power Station : Ramgarh Gas Thermal Power Plant

Rs. Crore										Year 2016-17			
S. No.	Source (loan/lease)	Currency	Opening Balance	Actual Receipts	Actual Repayment	Closing Balance	Liability of Interest during the year	Financial charges	Lease Rental	Total interest charges	Less: Interest charges capitalised	Net interest charges	Weighted average rate of interest
1	2	3	4	5	6	7	8	9	10	11	12	13	14
1	Term		0	0	0	0	0	0	0	0	0	0	0
2	Transitional		2.60	0	1.88	0.72	0.16	0	0	0.16	0	0	9.90%
	Total (for Station)		2.60	0.00	1.88	0.72	0.16	0.00		0.16			9.90%

Wieghted average interest rate to be furnished for entire station based on the actual loan portfolio at the beginning of the year

LOAN REPAYMENT, LEASE & INTEREST LIABILITY

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

Rs. Crore										Year 2016-17			
S. No.	Source (loan/lease)	Currency	Opening Balance	Actual Receipts	Actual Repayment	Closing Balance	Liability of Interest during the year	Financial charges	Lease Rental	Total interest charges	Less: Interest charges capitalised	Net interest charges	Weighted average rate of interest
1	2	3	4	5	6	7	8	9	10	11	12	13	14
1	Term		0	0	0	0	0	0	0	0	0	0	0
2	Transitional		0	0	0	0	0	0	0	0	0	0	0
	Total (for Station)		0.00	0.00	0.00	0.00	0.00	0.00		0.00			0.00%

Wieghted average interest rate to be furnished for entire station based on the actual loan portfolio at the beginning of the year

Statement of Additional Capitalization after COD and details of financing

Name of the Company

Rajasthan Rajya Vidhyu Utpadan Nigam Ltd.

Name of the Power Station

Kota Thermal Power Station

COD- _____

(Rs. Crore)

S.No.	Work/Equipment added after COD	Amount Capitalised	Regulation No. under which such additional capitalisation has been claimed	Justification	Source of Finance					Admitted Cost ¹
					Loan 1	Loan 2 and so on	Total Loan	Equity	Internal Sources or Others (mention details)	
A.	After COD but upto the Cut-off date:- As per Regulation No. 17(1)									
A..1										
A..2										
A..3										
A..4										
A..5										
A..6										
	Total-A									
B.	After COD but beyond Cut-off date:- As per Regulation No. 17(2)									
B.1	Vehicle	0.13				0.091		0.039	0.13	
B..2	Furniture and Office Equipment	0.03				0.021		0.009	0.03	
B..3										
B..4										
B..5										
B.6	Total-B	0.16	0	0	0	0.112	0	0.048	0.16	

Statement of Additional Capitalization after COD and details of financing

Name of the Company

Rajasthan Rajya Vidhyu Utpadan Nigam Ltd.

Name of the Power Station

Suratgarh Thermal Power Station

COD- _____					(Rs. Crore)					
S.No.	Work/Equipment added after COD	Amount Capitalised	Regulation No. under which such additional capitalisation has been claimed	Justification	Source of Finance					Admitted Cost ¹
					Loan 1	Loan 2 and so on	Total Loan	Equity	Internal Sources or Others (mention details)	
A.	After COD but upto the Cut-off date:- As per Regulation No. 17(1)									
A..1										
A..2										
A..3										
A..4										
A..5										
A..6										
	Total-A									
B.	After COD but beyond Cut-off date:- As per Regulation No. 17(2)									
B.1	Plant & machinery	4.3	As per Regulation 2014 clause No . 17(2) iv and approved by RERC in its order dated 30.10.12		3.01			1.29		
B..2	Office Equipments	0.002			0.0014			0.0006		
B..3										
B..4										
B..5										
B.6	Total-B									
		4.302			3.0114			1.2906		

Statement of Additional Capitalization after COD and details of financing

Name of the Company

Rajasthan Rajya Vidhyu Utpadan Nigam Ltd.

Name of the Power Station

Chhabra Thermal Power Station

COD- _____

(Rs. Crore)

S.No.	Work/Equipment added after COD	Amount Capitalised	Regulation No. under which such additional capitalisation has been claimed	Justification	Source of Finance					Admitted Cost ¹
					Loan 1	Loan 2 and so on	Total Loan	Equity	Internal Sources or Others (mention details)	
A.	After COD but upto the Cut-off date:- As per Regulation No. 17(1)									
A..1										
A..2										
A..3										
A..4										
A..5										
A..6										
	Total-A									
B.	After COD but beyond Cut-off date:- As per Regulation No. 17(2)									
B.1	Main Plant BTG Package	0.16			0.112			0.048		
B..2	Main Plant C&I Package	0.01			0.007			0.003		
B..3	Furniture Fixture & Office Equipments	0.08			0.056			0.024		
B..4										
B..5										
B.6	Total-B	0.25	0.00	0.00	0.18	0.00	0.00	0.08		

Statement of Additional Capitalization after COD and details of financing

Name of the Company

Rajasthan Rajya Vidhyu Utpadan Nigam Ltd.

Name of the Power Station

Dholpur Combined Cycle Gas based Thermal Power Plant

COD- _____

(Rs. Crore)

S.No.	Work/Equipment added after COD	Amount Capitalised	Regulation No. under which such additional capitalisation has been claimed	Justification	Source of Finance					Admitted Cost ¹
					Loan 1	Loan 2 and so on	Total Loan	Equity	Internal Sources or Others (mention details)	
A.	After COD but upto the Cut-off date:- As per Regulation No. 17(1)									
A..1										
A..2										
A..3										
A..4										
A..5										
A..6										
	Total-A									
B.	After COD but beyond Cut-off date:- As per Regulation No. 17(2)									
B.1	Furniture and Fixture	0.018			0.0126			0.0054		
B..2	Capital (initial spares)	0.124			0.0868			0.0372		
B..3										
B..4										
B..5										
B.6	Total-B	0.142			0.0994			0.0426		

Statement of Additional Capitalization after COD and details of financing

Name of the Company

Rajasthan Rajya Vidhy Utpadan Nigam Ltd.

Name of the Power Station

Ramgarh Gas Thermal Power Plant

COD- _____

(Rs. Crore)

S.No.	Work/Equipment added after COD	Amount Capitalised	Regulation No. under which such additional capitalisation has been claimed	Justification	Source of Finance					Admitted Cost ¹
					Loan 1	Loan 2 and so on	Total Loan	Equity	Internal Sources or Others (mention details)	
A.	After COD but upto the Cut-off date:- As per Regulation No. 17(1)									
A..1										
A..2										
A..3										
A..4										
A..5										
A..6										
	Total-A									
B.	After COD but beyond Cut-off date:- As per Regulation No. 17(2)									
B.1										
B..2										
B..3										
B..4										
B..5										
B..6	Total-B									

Statement of Additional Capitalization after COD and details of financing

Name of the Company

Rajasthan Rajya Vidhyu Utpadan Nigam Ltd.

Name of the Power Station

Mahi Hydel Power Project

COD- _____

(Rs. Crore)

S.No.	Work/Equipment added after COD	Amount Capitalised	Regulation No. under which such additional capitalisation has been claimed	Justification	Source of Finance					Admitted Cost ¹
					Loan 1	Loan 2 and so on	Total Loan	Equity	Internal Sources or Others (mention details)	
A.	After COD but upto the Cut-off date:- As per Regulation No. 17(1)									
A..1										
A..2										
A..3										
A..4										
A..5										
A..6										
	Total-A									
B.	After COD but beyond Cut-off date:- As per Regulation No. 17(2)									
B.1										
B..2										
B..3										
B..4										
B..5										
B..6	Total-B									

Form GT - 6.4

RETURN ON EQUITY

Name of the Company

Rajasthan Rajya Vidhyu Utpadan Nigam Ltd.

Name of the Power Station :

Kota Thermal Power Station

Rs. Crore

S.No.	Particulars	Reference	Year 2016-17			Remarks / Reasons for difference,if any
			Approved as per order	Claimed as per audited accounts	Difference	
1	2	3	4	5	6 = 5-4	7
1	Equity at the beginning of the year		490.26	504.07	13.81	
2	Capitalisation			0.16	0.16	
3	Equity portion of capitalisation			0.05	0.05	
4	Equity at the end of the year		490.26	504.12	13.86	
	Return Computation					
5	Return on Equity at the beginning of the year*	15.50%*(1)	75.99	78.13	2.14	
6	Return on Equity portion of capitalisation (on pro-rata basis)*	15.50%*(3)/ (n/ 12)		0.00	0.00	
7	Total Return on Equity	(5)+(6)	75.99	78.13	2.14	

* The rate of ROE should be either 15.50% or as claimed in tariff petition.

RETURN ON EQUITY

Name of the Company
Name of the Power Station :

Rajasthan Rajya Vidhyu Utpadan Nigam Ltd.
Suratgarh Thermal Power Station

Rs. Crore

S.No.	Particulars	Reference	Year 2016-17			Remarks / Reasons for difference,if any
			Approved as per order	Claimed as per audited accounts	Difference	
1	2	3	4	5	6 = 5-4	7
1	Equity at the beginning of the year		1174.13	1175.40	1.27	
2	Capitalisation			4.30	4.30	
3	Equity portion of capitalisation			1.29	1.29	
4	Equity at the end of the year		1174.13	1176.69	2.56	
	Return Computation					
5	Return on Equity at the beginning of the year*	15.50%*(1)	181.99	182.19	0.20	
6	Return on Equity portion of capitalisation (on pro-rata basis)*	15.50%*(3)/ (n/ 12)		0.10	0.10	
7	Total Return on Equity	(5)+(6)	181.99	182.29	0.30	

* The rate of ROE should be either 15.50% or as claimed in tariff petition.

RETURN ON EQUITY

Name of the Company
Name of the Power Station :

Rajasthan Rajya Vidhyu Utpadan Nigam Ltd.
Chhabra Thermal Power Station

Rs. Crore

S.No.	Particulars	Reference	Year 2016-17			Remarks / Reasons for difference,if any
			Approved as per order	Claimed as per audited accounts	Difference	
1	2	3	4	5	6 = 5-4	7
1	Equity at the beginning of the year		496.58	496.61	0.03	
2	Capitalisation			0.26	0.26	
3	Equity portion of capitalisation			0.08	0.08	
4	Equity at the end of the year		496.58	496.69	0.11	
	Return Computation					
5	Return on Equity at the beginning of the year*	15.50%*(1)	76.97	76.97	0.00	
6	Return on Equity portion of capitalisation (on pro-rata basis)*	15.50%*(3)/ (n/ 12)		0.01	0.01	
7	Total Return on Equity	(5)+(6)	76.97	76.98	0.01	

Form GT - 6.4

RETURN ON EQUITY

Name of the Company

Rajasthan Rajya Vidhyu Utpadan Nigam Ltd.

Name of the Power Station :

Dholpur Combined Cycle Gas basd Thermal Power Plant

Rs. Crore

S.No.	Particulars	Reference	Year 2016-17			Remarks / Reasons for difference,if any
			Approved as per order	Claimed as per audited accounts	Difference	
1	2	3	4	5	6 = 5-4	7
1	Equity at the beginning of the year		347.03	347.00	-0.03	
2	Capitalisation			0.14	0.14	
3	Equity portion of capitalisation			0.04	0.04	
4	Equity at the end of the year		347.03	347.04	0.01	
	Return Computation					
5	Return on Equity at the beginning of the year*	15.50%*(1)	53.79	53.79	0.00	
6	Return on Equity portion of capitalisation (on pro-rata basis)*	15.50%*(3)/ (n/ 12)		0.00	0.00	
7	Total Return on Equity	(5)+(6)	53.79	53.79	0.00	

* The rate of ROE should be either 15.50% or as claimed in tariff petition.

RETURN ON EQUITY

Name of the Company
Name of the Power Station :

Rajasthan Rajya Vidhyu Utpadan Nigam Ltd.
Ramgarh Gas Thermal Power Plant

Rs. Crore

S.No.	Particulars	Reference	Year 2016-17			Remarks / Reasons for difference,if any
			Approved as per order	Claimed as per audited accounts	Difference	
1	2	3	4	5	6 = 5-4	7
1	Equity at the beginning of the year		120.13	120.13	0.00	
2	Capitalisation			0.00	0.00	
3	Equity portion of capitalisation			0.00	0.00	
4	Equity at the end of the year		120.13	120.13	0.00	
	Return Computation					
5	Return on Equity at the beginning of the year*	15.50%*(1)	18.62	18.62	0.00	
6	Return on Equity portion of capitalisation (on pro-rata basis)*	15.50%*(3)/ (n/ 12)		0.00	0.00	
7	Total Return on Equity	(5)+(6)	18.62	18.62	0.00	

* The rate of ROE should be either 15.50% or as claimed in tariff petition.

Form GT - 6.4

RETURN ON EQUITY

Name of the Company
Name of the Power Station :

Rajasthan Rajya Vidhyu Utpadan Nigam Ltd.
Mahi Hydel Power Project

Rs. Crore

S.No.	Particulars	Reference	Year 2016-17			Remarks / Reasons for difference,if any
			Approved as per order	Claimed as per audited accounts	Difference	
1	2	3	4	5	6 = 5-4	7
1	Equity at the beginning of the year		170.39	170.38	-0.012096774	
2	Capitalisation			0.00	0.00	
3	Equity portion of capitalisation			0.00	0.00	
4	Equity at the end of the year		170.39	170.38	-0.01	
	Return Computation					
5	Return on Equity at the beginning of the year*	15.50%*(1)	26.41	26.41	0.00	
6	Return on Equity portion of capitalisation (on pro-rata basis)*	15.50%*(3)/ (n/ 12)		0.00	0.00	
7	Total Return on Equity	(5)+(6)	26.41	26.41	0.00	

* The rate of ROE should be either 15.50% or as claimed in tariff petition.

RETURN ON EQUITY

Name of the Company

Rajasthan Rajya Vidhyu Utpadan Nigam Ltd.

Name of the Power Station :

MMH

Rs. Crore

S.No.	Particulars	Reference	Year 2016-17			Remarks / Reasons for difference,if any
			Approved as per order	Claimed as per audited accounts	Difference	
1	2	3	4	5	6 = 5-4	7
1	Equity at the beginning of the year			7.58	7.58	
2	Capitalisation			0.00	0.00	
3	Equity portion of capitalisation			0.00	0.00	
4	Equity at the end of the year		0	7.58	7.58	
	Return Computation					
5	Return on Equity at the beginning of the year*	5.00%*(1)	0.00	0.38	0.38	
6	Return on Equity portion of capitalisation (on pro-rata basis)*	5.00%*(3)/ (n/ 12)		0.00	0.00	
7	Total Return on Equity	(5)+(6)	0.00	0.38	0.38	

* The rate of ROE should be either 15.50% or as claimed in tariff petition.

Income Tax Provisions

Name of the Company
Name of the Power Station :

Rajasthan Rajya Vidhyu Utpadan Nigam Ltd.
Kota Thermal Power Station

Rs. Crore

S.No.	Particulars	Year 2016-17	Remarks
		Actual/Audited	
1	2	4	5
I	Profit Before Tax	Not Claimed	
II	Return on Equity approved by Commission		
III	PBT - ROE (I - II)		
IV	Income Tax		
a)	Income Tax allowable on Return on Equity		
b)	Actual Income Tax paid as per return filed for the years		
c)	If PBT > ROE, Income Tax recoverable (b x II/ I)		
d)	If PBT < ROE, Income Tax recoverable (=b)		
e)	Income Tax as assessed for the year		
f)	Under-recovery of tax as per assessment		
g)	Over-recovery of tax as per assessment		

Income Tax Provisions

Name of the Company
Name of the Power Station :

Rajasthan Rajya Vidhyu Utpadan Nigam Ltd.
Suratgarh Thermal Power Station

Income Tax Provisions

Name of the Company
Name of the Power Station :

Rajasthan Rajya Vidhyu Utpadan Nigam Ltd.
Suratgarh Thermal Power Station

Rs. Crore

S.No.	Particulars	Year 2016-17	Remarks
		Actual/Audited	
1	2	4	5
I	Profit Before Tax	Not Claimed	
II	Return on Equity approved by Commission		
III	PBT - ROE (I - II)		
IV	Income Tax	0	
a)	Income Tax allowable on Return on Equity		
b)	Actual Income Tax paid as per return filed for the years		
c)	If PBT > ROE, Income Tax recoverable (b x II/ I)		
d)	If PBT < ROE, Income Tax recoverable (=b)		
e)	Income Tax as assessed for the year		
f)	Under-recovery of tax as per assessment		
g)	Over-recovery of tax as per assessment		

Form GT - 6.5

Income Tax Provisions

Name of the Company
Name of the Power Station :

Rajasthan Rajya Vidhyu Utpadan Nigam Ltd.
Chhabra Thermal Power Station

Rs. Crore

S.No.	Particulars	Year 2016-17	Remarks
		Actual/Audited	
1	2	4	5
I	Profit Before Tax	Not Claimed	
II	Return on Equity approved by Commission		
III	PBT - ROE (I - II)		
IV	Income Tax		
a)	Income Tax allowable on Return on Equity		
b)	Actual Income Tax paid as per return filed for the years		
c)	If PBT > ROE, Income Tax recoverable (b x II/ I)		
d)	If PBT < ROE, Income Tax recoverable (=b)		
e)	Income Tax as assessed for the year		
f)	Under-recovery of tax as per assessment		
g)	Over-recovery of tax as per assessment		

Form GT - 6.5

Income Tax Provisions

Name of the Company

Rajasthan Rajya Vidhyu Utpadan Nigam Ltd.

Name of the Power Station :

Dholpur Combined Cycle Gas based Thermal Power Plant

Rs. Crore

S.No.	Particulars	Year 2016-17	Remarks
		Actual/Audited	
1	2	4	5
I	Profit Before Tax	Not Claimed	
II	Return on Equity approved by Commission		
III	PBT - ROE (I - II)		
IV	Income Tax		
a)	Income Tax allowable on Return on Equity		
b)	Actual Income Tax paid as per return filed for the years		
c)	If PBT > ROE, Income Tax recoverable (b x II/ I)		
d)	If PBT < ROE, Income Tax recoverable (=b)		
e)	Income Tax as assessed for the year		
f)	Under-recovery of tax as per assessment		
g)	Over-recovery of tax as per assessment		

Form GT - 6.5

Income Tax Provisions

Name of the Company

Rajasthan Rajya Vidhyu Utpadan Nigam Ltd.

Name of the Power Station :

Ramgarh Gas Thermal Power Plant

Rs. Crore

S.No.	Particulars	Year 2016-17	Remarks
		Actual/Audited	
1	2	4	5
I	Profit Before Tax	Not Claimed	
II	Return on Equity approved by Commission		
III	PBT - ROE (I - II)		
IV	Income Tax		
a)	Income Tax allowable on Return on Equity		
b)	Actual Income Tax paid as per return filed for the years		
c)	If PBT > ROE, Income Tax recoverable (b x II/ I)		
d)	If PBT < ROE, Income Tax recoverable (=b)		
e)	Income Tax as assessed for the year		
f)	Under-recovery of tax as per assessment		
g)	Over-recovery of tax as per assessment		

Form GT - 6.6

Interest on Working CapitalName of the Company
Name of the Power StationRajasthan Rajya Vidhyu Utpadan Nigam Ltd.
Kota Thermal Power Station

Normative

Rs. Crore

S. No.	Particulars	Year 2016-17			Remarks / Reasons for difference,if any
		Approved as per order	Claimed as per audited accounts	Difference	
1	2	4	5	6 = 5-4	7
1	Fuel Stock (as per norms)	254.57	253.00	-1.57	
2	Secondary fuel stock (as per norms)	2.00	2.80	0.80	
3	O & M expenses (as per norms)	18.63	18.63	0.00	
4	Maintenance Spares (as per norms)	47.47	44.71	-2.76	
5	Receivables (as per norms)	316.02	322.49	6.47	
6	limestone, if applicable (as per norms)			0.00	
	Total Working Capital	638.68	641.62	2.94	
	Rate of Interest	12.26%	12.26%		
	Interest on Working Capital	78.16	78.66	0.00	

Interest on Working Capital

Name of the Company
Name of the Power Station

Rajasthan Rajya Vidhyu Utpadan Nigam Ltd.
Suratgarh Thermal Power Station

Rs. Crore

S. No.	Particulars	Year 2016-17			Remarks / Reasons for difference,if any
		Approved as per order	Claimed as per audited accounts	Difference	
1	2	4	5	6 = 5-4	7
1	Fuel Stock (as per norms)	0.00	174.17	174.17	
2	Secondary fuel stock (as per norms)	0.00	3.13	3.13	
3	O & M expenses (as per norms)	18.70	22.53	3.83	
4	Maintenance Spares (as per norms)	44.89	54.08	9.20	
5	Receivables (as per norms)	511.54	270.24	-241.30	
6	limestone, if applicable (as per norms)			0.00	
	Total Working Capital	575.13	524.15	-50.98	
	Rate of Interest	12.26%	12.26%		
	Interest on Working Capital	122.06	64.26		

Form GT - 6.6

Interest on Working Capital

Name of the Company
Name of the Power Station

Rajasthan Rajya Vidhyu Utpadan Nigam Ltd.
Chhabra Thermal Power Station

Rs. Crore

S. No.	Particulars	Year 2016-17			Remarks / Reasons for difference,if any
		Approved as per order	Claimed as per audited accounts	Difference	
1	2	4	5	6 = 5-4	7
1	Fuel Stock (as per norms)	78.33	99.85	21.53	
2	Secondary fuel stock (as per norms)	0.71	1.57	0.86	
3	O & M expenses (as per norms)	7.51	7.51	0.00	
4	Maintenance Spares (as per norms)	14.77	18.03	3.26	
5	Receivables (as per norms)	140.34	160.94	20.60	
6	limestone, if applicable (as per norms)			0.00	
	Total Working Capital	241.66	287.90	46.25	
	Rate of Interest	12.26%	12.26%		
	Interest on Working Capital	30.03	35.30		

Form GT - 6.6

Interest on Working Capital

Name of the Company
Name of the Power Station

Rajasthan Rajya Vidhyu Utpadan Nigam Ltd.
Dholpur Combined Cycle Gas based Thermal Power Plant

Rs. Crore

S. No.	Particulars	Year 2016-17			Remarks / Reasons for difference,if any
		Approved as per order	Claimed as per audited accounts	Difference	
1	2	4	5	6 = 5-4	7
1	Fuel Stock (as per norms)	33.41	2.03	-31.38	
2	Secondary fuel stock (as per norms)	0.00	0.00	0.00	
3	O & M expenses (as per norms)	3.72	3.72	0.00	
4	Maintenance Spares (as per norms)	6.06	13.38	7.31	
5	Receivables (as per norms)	126.83	27.53	-99.29	
6	limestone, if applicable (as per norms)			0.00	
	Total Working Capital	170.01	46.66	-123.36	
	Rate of Interest	12.26%	12.26%		
	Interest on Working Capital	21.75	5.72		

Actual Interest Rate
saving -on Interest computation using Actual rate of intt.

13.35%
-0.25

Form GT - 6.6

Interest on Working Capital

Name of the Company

Rajasthan Rajya Vidhyu Utpadan Nigam Ltd.

Name of the Power Station

Ramgarh Gas Thermal Power Plant

Rs. Crore

S. No.	Particulars	Year 2016-17			Remarks / Reasons for difference,if any
		Approved as per order	Claimed as per audited accounts	Difference	
1	2	4	5	6 = 5-4	7
1	Fuel Stock (as per norms)	0.00	4.63	4.63	
2	Secondary fuel stock (as per norms)	0.00	0.00	0.00	
3	O & M expenses (as per norms)	1.66	1.51	-0.15	
4	Maintenance Spares (as per norms)	3.40	5.44	2.04	
5	Receivables (as per norms)	29.36	18.65	-10.72	
6	limestone, if applicable (as per norms)			0.00	
	Total Working Capital	34.42	30.23	-4.19	
	Rate of Interest	12.26%	12.26%		
	Interest on Working Capital	5.44	3.71		

Form GT - 6.6

Interest on Working Capital

Name of the Company
Name of the Power Station

Rajasthan Rajya Vidhyu Utpadan Nigam Ltd.
Mahi Hydel Power Project

Rs. Crore

S. No.	Particulars	Year 2016-17			Remarks / Reasons for difference,if any
		Approved as per order	Claimed as per audited accounts	Difference	
1	2	4	5	6 = 5-4	7
1	Fuel Stock (as per norms)				
2	Secondary fuel stock (as per norms)				
3	O & M expenses (as per norms)	1.30	1.30	0.00	
4	Maintenance Spares (as per norms)	2.33	3.53	1.20	
5	Receivables (as per norms)	5.92	7.54		
6	limestone, if applicable (as per norms)				
	Total Working Capital	9.55	12.36	1.20	
	Rate of Interest	12.26%	12.26%		
	Interest on Working Capital	1.17	1.52		

Reconciliation Statement

Name of the Petitioner
Name of the Power Station :

Rajasthan Rajya Vidhyu Utpadan Nigam Ltd.
Kota Thermal Power Station

(Rs. Crore)

S.No.	Particulars**	Reference of Note	Year 2016-17			Remarks / Reasons for difference,if any
			As per audited annual accounts	As per Petition	Difference	
1	2	3	4	5	6=(4-5)	9
A	INCOME					
1	Revenue from Sale of Power		2483.89	2483.89	0.00	
2	Non- Tariff Income		8.25	18.08	-9.84	Due to H.O income allocation and prior period
3	Revenue Subsidies, Grants & Subvention from State Govt.		0	0		
B	Expenditure					
1	Generation of power		2063.30	2049.88	13.42	On account of O&M expenses-station supplies& other cost
2	Repairs & maintenance		64.41	238.44	-73.12	Due to H.O expenses allocation and insurance and ARR & tariff Fee
3	Employee Costs		79.82			
4	Administrative & General Expenses		21.09			
5	Depreciation		86.96	76.13	-10.83	Due to reduction of capital cost on account of disallowance
6	Interest & Finance Charges		0.31	296.59	296.28	booked under W&M Only
7	Lease Rentals		0.00	0.00	0.00	
8	Prior Period Charges & Credits		0.10	-0.11	-0.21	prior period of items allowed on normative basis have not been claimed
9	Insurance Charges		2.92	2.92	0.00	
10	Tariff petition fees		0.62	0.62	0.00	
11	ROE			78.13		Claimed on normative basis
12	Terminal benefit		44.65	19.83	-24.82	In balance sheet consolidated figure is giv
13	Any other item (To be specified)					

Reconciliation Statement

Name of the Petitioner

Rajasthan Rajya Vidhyu Utpadan Nigam Ltd.

Name of the Power Station :

Suratgarh Thermal Power Station

(Rs. Crore)

S.No.	Particulars**	Reference of Note	Year 2016-17			Remarks / Reasons for difference,if any
			As per audited annual accounts	As per Petition	Difference	
1	2	3	4	5	6=(4-5)	9
A	INCOME					
1	Revenue from Sale of Power		2248.41	2248.41	0.00	
2	Non- Tariff Income		3.36	7.38	-4.01	Due to H.O income allocation and prior period
3	Revenue Subsidies, Grants & Subvention from State Govt.		0			
B	Expenditure					
1	Generation of power		1432.49	1414.97	17.52	On account of O&M expenses-station supplies& other cost
2	Repairs & maintenance		86.21	224.43	-64.94	Due to H.O expenses allocation and insurance and ARR & tariff Fee
3	Employee Costs		51.58			
4	Administrative & General Expenses		21.70			
5	Depreciation		148.97	164.12	-15.15	due ARR regulation of spreading the assets value in remaining life after 12 year
6	Interest & Finance Charges		3.95	167.25	-163.31	booked under W&M Only
7	Lease Rentals		0.00		0.00	
8	Prior Period Charges & Credits		8.40	0.00	8.40	prior period of items allowed on normative basis have not been claimed
9	Insurance Charges		2.66	2.66	0.00	
10	Tariff petition fees		0.75	0.75	0.00	
11	ROE			182.29		Claimed on normative basis
12	Terminal benefit		44.65	12.81	31.84	apportioned in the ratio of employee Cost
13	Any other item (To be specified)					

Reconciliation Statement

Name of the Petitioner

Rajasthan Rajya Vidhyu Utpadan Nigam Ltd.

Name of the Power Station :

Chhabra Thermal Power Station

(Rs. Crore)

S.No.	Particulars**	Reference of Note	Year 2016-17			Remarks / Reasons for difference,if any
			As per audited annual accounts	As per Petition	Difference	
1	2	3	4	5	6=(4-5)	9
A	INCOME					
1	Revenue from Sale of Power		1198.59	1198.59	0.00	
2	Non- Tariff Income		13.10	14.36	-1.26	Due to H.O income allocation and profit& loss figure is inclusive of CTPP Unit 3-4
3	Revenue Subsidies, Grants & Subvention from State Govt.		0	0	0.00	
B	Expenditure					
1	Generation of power		1678.55	816.04	862.51	On account of O&M expenses-station supplies& other cost and profit & loss figure is inclusive of CTPP unit 3&4
2	Repairs & maintenance		61.35	73.84	29.28	Due to H.O expenses allocation and CTPP unit 3&4
3	Employee Costs		23.46			
4	Administrative & General Expenses		18.32			
5	Depreciation		300.11	122.62	177.48	Due to reduction of capital cost on account of disallowance and CTPP unit 3&4
6	Interest & Finance Charges		10.30	202.75		booked under W&M Only and CTPP unit 3-4
7	Lease Rentals		0.00			
8	Prior Period Charges & Credits		-5.83	0.00		prior period of items allowed on normative basis have not been claimed and Unit 3-4
9	Insurance Charges*		7.29	3.55		due to CTPP unit 3&4
10	Tariff petition fees		0.25	0.25		booked under other head of O&M
11	ROE			76.98		Claimed on normative basis
12	Terminal benefit		44.65	5.83		figure is given, Apportioned in the ratio of employee Cost
13	Any other item (To be specified)					

Reconciliation Statement

Name of the Petitioner

Rajasthan Rajya Vidhyu Utpadan Nigam Ltd.

Name of the Power Station :

Dholpur Combined Cycle Gas based Thermal Power Plant

(Rs. Crore)

S.No.	Particulars**	Reference of Note	Year 2016-17			Remarks / Reasons for difference,if any
			As per audited annual accounts	As per Petition	Difference	
1	2	3	4	5	6=(4-5)	9
A	<u>INCOME</u>					
1	Revenue from Sale of Power		102.74	102.74	0.00	
2	Non- Tariff Income		3.36	0.26	3.10	Due to H.O income allocation and prior period
3	Revenue Subsidies, Grants & Subvention from State Govt.		0		0.00	
B	<u>Expenditure</u>					
1	Generation of power		49.52	48.73	0.79	On account of O&M expenses-station supplies& other cost
2	Repairs & maintenance		4.38	20.21	-6.05	Due to H.O expenses allocation
3	Employee Costs		6.81			
4	Administrative & General Expenses		2.97			
5	Depreciation		63.97	57.94	6.02	due to reduction of capital cost and regulation
6	Interest & Finance Charges		0.01	37.04	-37.02	booked under W&M Only
7	Lease Rentals		0.00	0.00	0.00	
8	Prior Period Charges & Credits		-1.96	0.00	-1.96	prior period of items allowed on normative basis have not been claimed
9	Insurance Charges*		0.96	0.96	0.00	
10	Tariff petition fees		0.17	0.17	0.00	
11	ROE			53.79		Claimed on normative basis
12	Terminal benefit		44.65	1.69	42.96	In balance sheet consolidated figure is given, /
13	Any other item (To be specified)					

Reconciliation Statement

Name of the Petitioner
Name of the Power Station :

Rajasthan Rajya Vidhyu Utpadan Nigam Ltd.
Ramgarh Gas Thermal Power Plant

(Rs. Crore)

S.No.	Particulars**	Reference of Note	Year 2016-17			Remarks / Reasons for difference,if any
			As per audited annual accounts	As per Petition	Difference	
1	2	3	4	5	6=(4-5)	9
A	INCOME					
1	Revenue from Sale of Power		120.46	120.46	0.00	
2	Non- Tariff Income		0.12	0.11	0.01	Due to H.O income allocation & RGTPS 160
3	Revenue Subsidies, Grants & Subvention from State Govt.		0			
B	Expenditure					
1	Generation of power		398.11	111.24	286.88	Due to prior period fuel and RGTPS 160MW
2	Repairs & maintenance		6.71	11.33	6.05	Due to H.O expenses allocation and RGTPS 160MW
3	Employee Costs		8.13			
4	Administrative & General Expenses		2.54			
5	Depreciation		66.50	1.88	64.61	RGTPS 160 MW
6	Interest & Finance Charges		0.31	3.87	-3.56	booked under W&M Only
7	Lease Rentals		0.00	0.00	0.00	
8	Prior Period Charges & Credits		-1.33	0.00	-1.33	prior period of items allowed on normative basis have not been claimed
9	Insurance Charges*		0.68	0.26	0.43	DUE TO RGTPS 160MW
10	Tariff petition fees		0.06	0.06	0.00	booked under r&m head of plant machinery
11	ROE			18.62	-18.62	Claimed on normative basis
12	Terminal benefit		44.65	2.02		In balance sheet consolidated figure is given, /
13	Any other item (To be specified)					

Reconciliation Statement

Name of the Petitioner

Rajasthan Rajya Vidhyu Utpadan Nigam Ltd.

Name of the Power Station :

Mahi Hydel Power Project

(Rs. Crore)

S.No.	Particulars**	Reference of Note	Year 2016-17			Remarks / Reasons for difference,if any
			As per audited annual accounts	As per Petition	Difference	
1	2	3	4	5	6=(4-5)	9
A	INCOME					
1	Revenue from Sale of Power		47.39	47.39	0.00	
2	Non- Tariff Income		0.06	0.13	-0.07	Due to H.O income allocation
3	Revenue Subsidies, Grants & Subvention from State Govt.		0			
B	Expenditure					
1	Generation of power		0.00		0.00	
2	Repairs & maintenance		2.69	23.54	-8.21	Due to H.O expenses allocation
3	Employee Costs		9.96			
4	Administrative & General Expenses		2.68			
5	Depreciation		4.20	6.41	-2.22	As per Regulations
6	Interest & Finance Charges		0.00	1.52	-1.51	booked under W&M Only
7	Lease Rentals		0.00	0.00		
8	Prior Period Charges & Credits		0.00	0.00	0.00	prior period of items allowed on normative basis have not been claimed
9	Insurance Charges*		0.00	0.00	0.00	
10	Tariff petition fees		0.07	0.07	0.00	
11	ROE			26.41	-26.41	Claimed on normative basis
12	Terminal benefit		44.65	2.47		In balance sheet consolidated figure is given, /
13	Any other item (To be specified)					

60.29

Reconciliation Statement

Name of the Petitioner

Rajasthan Rajya Vidhyu Utpadan Nigam Ltd.

Name of the Power Station :

MMH

(Rs. Crore)

S.No.	Particulars**	Reference of Note	Year 2016-17			Remarks / Reasons for difference,if any
			As per audited annual accounts	As per Petition	Difference	
1	2	3	4	5	6=(4-5)	9
A	INCOME					
1	Revenue from Sale of Power		2.48	2.48	0.00	
2	Non- Tariff Income		0.0015898	0.0015898	0.00	
3	Revenue Subsidies, Grants & Subvention from State Govt.		0			
B	Expenditure					
1	Generation of power		0.07	0.07	0.00	
2	Repairs & maintenance		0.58	2.64	0.00	Due to H.O expenses allocation
3	Employee Costs		1.96			
4	Administrative & General Expenses		0.11			
5	Depreciation		1.62	1.62	0.00	
6	Interest & Finance Charges		0.00	2.82	-2.82	NORMATIVE BASIS
7	Lease Rentals		0.00			
8	Prior Period Charges & Credits		0.00	0.00	0.00	
9	Insurance Charges*		0.00	0.00	0.00	
10	Tariff petition fees		0.00	0.00	0.00	
11	ROE		0.00	0.38	-0.38	Claimed on normative basis
12	Inter- unit account Balance					
13	Any other item (To be specified)					

7.54

O&M Expenses and Saving –Annexure A

Power Station	Approved	Claimed	Saving/loss
KTPS	223.54	237.36	-13.81
STPS	270.41	224.43	45.98
RGTP	18.13	11.33	6.79
DCCPP	44.59	20.21	24.38
Mahi	15.56	23.54	-7.98
CTPP	90.14	73.84	16.30
Total	662.37	590.71	71.66

Annexure B

RAJASTHAN RAJYA VIDYUT UTPADAN NIGAM LIMITED

Statement of loans

(Amount in Rs.)

Sl. No.	File No.	Name of Bank	Project's Name	Sanctioned Amt.	Outstanding Balance as on 1.04.2016	Receipts	Repayments	Outstanding Balance as on 31.03.2017	Chargeable to P&L	Rate of Interest as on 31.03.2017
A										
TERM LOAN										
1		PFC Loan								
		Loan No. 07301012	Giral-I	366.00	106.75	0.00	30.50	76.25	10.99	12.02%
		Loan No. 07301013	Dholpur	756.37	224.07	0.00	64.02	160.05	22.55	11.74%
		Loan No. 07301014	CTPP 1&2	1400.00	794.94	0.00	93.52	701.42	90.10	12.04%
		Loan No. 07301015	Giral-II	441.00	249.90	0.00	29.40	220.50	28.19	11.99%
		Loan No. 07301016	STPS U-VI	600.00	350.00	0.00	40.00	310.00	39.89	12.09%
		Loan No. 07301017	KTPS U-VII	609.60	343.45	0.00	41.63	301.82	39.00	12.09%
		Loan No. 07301018	CTPP 1&2	856.00	574.05	0.00	67.64	506.51	65.97	12.21%
		Loan No. 07301019	Kalisindh	6583.61	6254.43	0.00	438.91	5816.52	727.09	12.05%
		Loan No. 07301020	CTPP 3&4	1465.14	1367.46	0.00	97.68	1269.79	154.01	11.68%
		Loan No. 07301021	STPS U-VI	333.60	201.56	0.00	23.04	178.52	22.89	12.04%
		Loan No. 07301022	Giral-II	270.50	194.18	0.00	22.84	171.33	21.89	11.98%
		Loan No. 07301023	RGTP Stg-III	712.00	652.67	0.00	47.47	605.20	76.74	12.20%
		Loan No. 07301024	STPS 7 & 8	1000.00	359.11	274.89	0.00	379.00	440.62	12.04%
		Loan No. 07301025	CTPP 5 & 6	3794.00	3227.66	443.06	0.00	3670.73	408.13	11.83%
		Loan No. 07301026	RGTPS-IV	533.00	193.07	18.02	0.00	211.09	24.71	12.23%
		Loan No. 07304005	R&M KTPS-1-7	273.70	188.76	47.03	0.00	235.78	26.10	12.30%
		Loan No. 07304006	R&M STPS1-6	114.13	10.19	10.19	0.00	42.84	4.05	12.47%
		Sub Total (PFC)		22905.65	18478.22	793.19	996.54	18274.87	2203.72	11.99%
2		LIC Loan								
		150172131	STPS	51.94	3.46	0.00	3.46	0.00	0	4.91%
		150172141	STPS	20.00	2.67	0.00	1.33	0	0	7.23%
		150172151	STPS	25.00	3.33	0.00	1.67	0	0	10.12%
		Sub Total (LIC)		96.94	9.46	0.00	6.46	3.00	0.48	7.77%
3		Commercial Banks								
A-1		Oriental Bank of Com (GIRAL)	GIRAL-I	100.00	8.50	0.00	8.50	0.00	0.50	11.81%
A-5		Canara Bank (GIRAL)	GIRAL-I	50.00	5.00	0.00	5.00	0.00	0.16	6.50%
		Sub Total (Comm. Bank)		150.00	13.50	0.00	13.50	0.00	0.66	9.84%
4		RVUNL Bonds	KaTPP-1 & 2	1000.00	850.00	0.00	0.00	850.00	71.94	8.46%
5		Other Loans								
		Govt. Loan	STPS	150.00	138.07	0.00	0.00	138.07	18.98	13.75%
		NCRPB Loan	KTPS U-VII	160.00	20.00	0.00	20.00	0.00	1.75	17.50%
		REC Loan	CTPP 3& 4	961.76	780.40	0.00	66.42	713.99	90.08	12.06%
		REC Loan	CTPP 5 & 6	2630.00	1069.17	1267.46	0.00	2395.63	219.06	12.83%
		REC Loan	STPS 7 & 8	2532.24	1169.98	795.21	0.00	1965.19	192.34	12.27%
		World Bank	KTPS	1.54	0.44	0.00	0.09	0.35	0.00	0.00%
		Sub Total (Others)		6335.54	3178.06	2062.67	86.51	5154.22	522.21	12.53%
		Total Term Loans		30488.13	22529.24	2855.86	1103.01	24282.09	2799.02	27.37.29
B										
TRANSITIONAL LOAN										
AA		Indian Bank		1000000000.00	1660000000.00	0.00	1660000000.00	0.00	4050992	4.88%
		Total Transitional Loan		1000000000.00	1660000000.00	0.00	1660000000.00	0.00		
		Total (A+B)		305881279963.00	225458406808.95	28558613435.75	11196093342.00	242820926902.70		
C										
WORKING CAPITAL LOAN										
B-5		Hudco		2000000000.00	5000000000.00	0.00	4000000000.00	1000000000.00	39569178	13.19%
B-6		Bank of India		2000000000.00	6666000000.00	0.00	6666000000.00	0.00	38631436	11.59%
B-8		Bank of India		2500000000.00	1666600000.00	0.00	1666600000.00	0.00	143159627	17.18%
B-6		State Bank of Bikaner & Jaipur		2500000000.00	1000000000.00	0.00	1000000000.00	58730880.00	11.75%	
B-6		Bank of India		2500000000.00	2500000000.00	0.00	1666700000.00	8333000000.00	189075609	11.34%
B-6		Indian Overseas Bank		2500000000.00	2500000000.00	0.00	1666700000.00	8333000000.00	202971560	12.18%
B-6		REC Ltd.		1500000000.00	1500000000.00	0.00	999999996.00	5000000004.00	130147092	13.01%
B-6		State Bank of Bikaner & Jaipur		1500000000.00	1500000000.00	0.00	1500000000.00	0.00	129576117.00	17.23%
B-6		Indian Overseas Bank		4000000000.00	4000000000.00	0.00	1333400000.00	2666600000.00	394735915	11.84%
B-7		State Bank of Bikaner & Jaipur		1500000000.00	1500000000.00	0.00	1500000000.00	0.00	161771234.00	21.57%
B-6		REC Ltd.		1500000000.00	1500000000.00	0.00	583333331.00	916666669.00	172648175	14.29%
B-7		REC Ltd.		5000000000.00	1500000000.00	0.00	1666666666.00	1333333334.00	19119494	4.73%
B-7		REC Ltd.		5000000000.00	2222222220.00	0.00	2222222220.00	0.00	44562406	4.01%
B-7		REC Ltd.		3000000000.00	0.00	3000000000.00	0.00	3000000000.00	304616437	20.31%
B-7		REC Ltd (WCCL)		3000000000.00	0.00	3000000000.00	0.00	3000000000.00	195169731	13.01%
		PFC (Buyers Line of Credit)		5000000000.00	4381127893.00	618872117.00	0.00	5000000000.00	615012333	13.11%
		PFC (Loan no. 07365001-against receivables)		21000000000.00	21000000000.00	0.00	0.00	21000000000.00	2551500000	12.15%
		PFC (Cash Gap 16-17)		30000000000.00	0.00	30000000000.00	0.00	30000000000.00	1763253426	11.76%
		PFC STL (07322068)		4000000000.00	0.00	4000000000.00	0.00	4000000000.00	42312329	4.70%
B-7		Bank of India		5000000000.00	0.00	5000000000.00	0.00	5000000000.00	11919494	4.73%
B-7		Bank of India		5000000000.00	0.00	5000000000.00	0.00	5000000000.00	51196264	2.05%
B-7		Indian Overseas Bank		5000000000.00	0.00	5000000000.00	0.00	5000000000.00	9860582	0.39%
		PFC STL (07322062)		8200000000.00	415991669.00	0.00	415991669.00	0.00	5857363	2.62%
		PFC STL (07322063)		12500000000.00	841426480.00	0.00	841426480.00	0.00	16227333	3.86%
		PFC STL (07322064)		23500000000.00	2350000000.00	0.00	2350000000.00	0.00	67700503	5.76%
		PFC STL (07322065)		5800000000.00	5800000000.00	0.00	5800000000.00	0.00	44492275	15.34%
		PFC STL (07322067)		5000000000.00	3500000000.00	3000000000.00	6500000000.00	0.00	56989866	32.66%
		PFC STL (07322066)		4500000000.00	0.00	4500000000.00	0.00	4500000000.00	11919494	26.53%
		Total Working Capital Loan		147450000000.00	5562398252.00	83868872117.00	26259640362.00	113233200007.00	10044724053	829750000
		Grand Total (A+B+C)		453331279963.00	281082375060.95	112427485552.75	37455733704.00	356054126909.70		

Interest on Working capital & Saving due to rate variation- Annexure C

Actual interest on Working Capital	Actual Interest on Working capital	Saving due to rate variation
KTPS	242.26	-3.50
STPS	181.52	-2.86
RGTPS	20.60	-0.16
DCCPP	13.56	-0.25
Mahi	6.31	-0.07
CTPP	108.94	-1.57
total	573.18	-8.41

Allocation of prior period expenses-Annexure D

Particulars	KTPS	STPS(O&M)	CHHABRA	KALI SINDH	RGTP	DHOLPUR	Bikaner	MAHI	MANGROL	H&GP	AMBIKAPU	CASH	W&M	GIRAL	TD	STPS(Const)	STPS-SC	CTPP-SC	TOTAL	Head Off.	GRAND TO
Coal related gains - prior period	0.0	0.0	2.81	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.8	0.0	2.8
Prior Period Revenue from sale of power	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Interest income for prior period	0.0	0.46	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.01	0.0	0.0	0.0	0.0	0.0	0.5	0.0	0.5
Other income related to prior period	0.1	0.0	7.08	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.2	0.0	7.2
Less:- Prior period income capitalised	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Sub-Total	0.1	0.5	9.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10.5	0.0	10.5
Prior Period Expenses-Coal related	0.0	0.0	8.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	8.8	0.0	8.8
Prior Period Expenses-Gas related	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Sub-Total	0.0	0.0	8.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	8.8	0.0	8.8
Total Schedule -28	0.11	0.46	1.06	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.66	0.0	1.66

Allocation of ARR and Tariff Petition Fee-Annexure E

	KTPS		STPS		DCCPP	Mahi	RGTPS		CTPP				KatPP		
	Unit 1-6	Unit 7	Unit 1-5	Unit 6			OLD	New	Unit 1&2	Unit 3	Unit 4	unit 5	Unit 1	Unit 2	
Installed Capacity (MW)	1240		1500		330	140	111	160	500	250	250	660	600	600	6341
Recovery of ARR and Tariff Petition Fees (Rs. Crore)	0.62		0.75		0.165	0.070	0.056		0.250						1.91

Weighted average rate computation-Annexure F

Weighted average interest rate for FY 2016-17									
	Project Name	Source	Opening Balance as on 01.04.2016	Receipts	Repayment	Outstanding balance as on 31.03.2017	Interest	Average Rate of Int (%)	Interest Rate
		PFC Loan				0.00			
Unit 1-6	R&M KIPS	Loan No. 07304004	0.00			0.00			
	KIPS	World Bank	0.44		0.09	0.35		12.50%	
Unit 7	R&M KIPS 1-7	Loan No. 07304005	188.76	47.03		235.79		12.30%	12.04%
	KIPSU-VII	Loan No. 07301017	343.45		41.63	301.82		12.09%	
	KIPSU-VII	NCRPB Loan	20.00		20.00	0.00		8.75%	
		Total	532.65	47.03	41.72	537.95			
	Project Name	Source	Opening Balance as on 01.04.2016	Receipts	Repayments	Outstanding balance as on 31.03.2017	Interest	Average Rate of Int (%)	Interest Rate
	SIPS	150172131	3.47		3.47	0.00		8.50%	12.36%
	SIPS	150172141	2.67		1.33	1.34		8.50%	
	SIPS	150172151	3.33		1.67	1.66		8.50%	
	SIPSU-VI	Loan No. 07301016	350.00		40.00	310.00		12.09%	
	SIPSU-VI	Loan No. 07301021	201.55		23.04	178.51		12.04%	
	SIPS	Govt. Loan	138.07			138.07		13.75%	
	R&M SIPS 1-6	Loan No. 07304006	32.15	10.19		42.34		12.47%	
		Total	731.24	10.19	69.51	671.93	0.00		
	Project Name	Source	Opening Balance as on 01.04.2016	Receipts	Repayment	Outstanding balance as on 31.03.2017	Interest	Average Rate of Int (%)	Interest Rate
	CTPP 1 & 2	Loan No. 07301014	794.94		93.52	701.42		12.04%	12.11%
	CTPP 1 & 2	Loan No.07301018	574.05		67.54	506.51		12.21%	
		Total	1368.99	0.00	161.06	1207.93	0.00		
	Project Name	Source	Opening Balance as on 01.04.2016	Receipts	Repayment	Outstanding balance as on 31.03.2017	Interest	Average Rate of Int (%)	Interest Rate
	Dholpur	Loan No. 0730101	224.07		64.02	160.05	0.00	11.74%	11.74%
		Total	224.07	0	64.02139	160.0486	0	0.117404	

Profit and Loss Account- Annexure G

RAJASTHAN RAJYA VIDYUT UTPADAN NIGAM LIMITED
PROFIT & LOSS ACCOUNT AS ON 31.03.2017

Sch.No.	Particulars	KTPS	STPS(O&M)	CHHABRA	RGTP	DHOLPUR	Bikaner	MAHI	MANGROL	H&GP	AMBIKAPUR	CASH	W&M	GIRAL	TD	STPS(Const.)	STPS-SC	CTPP-SC	TOTAL	Head Off.	GRAND TOTAL	
	INCOME																					
16	Revenue from Sale of Power	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	117600270442	117600270442	
17	Revenue subsidies and grants	334245	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	334245	334245	
18	Other Income	82473234	33645204	131006698	1211134	1194239	0	595629	32166	3380	0	2721671	302045888	0	0	0	0	0	0	560318268	560318268	
	SUB TOTAL	82807479	33645204	131006698	1211134	1194239	0	595629	32166	3380	0	2721671	302045888	0	0	0	0	0	0	560652513	117600270442	118160922955
	EXPENDITURE																					
19	Generation of Power	20632952278	14324920879	16785496571	3981134447	495170805	0	0	571967	0	0	0	0	0	0	0	0	0	0	71264258782	0	71264258782
20	Repairs & Maintenance	644052085	799897170	485643541	67147517	61241582	1169588	27072063	5524996	13074	1264024	5545261	0	0	0	0	0	0	0	2610384720	0	2610384720
21	Employees Costs	798215315	518751818	234897779	81250124	69072710	12763415	99635162	6466810	9037284	15773627	309813619	0	0	0	0	0	0	0	2373677247	347081660	2720758907
22	Administration & Other Expenses	210918556	216973740	319259691	25403756	30784371	63073	26785437	893785	363726	3309738	71972426	0	0	0	0	0	0	0	1095188401	925226071	2020414471
23	Less: Expenses Capitalised																			0		0
24	Depreciation	869615532	1489747488	3001067231	664965109	639660141	12122849	41964013	4101970	15021	184680	1856189	0	0	0	0	0	0	0	11490140313	0	11490140313
	SUB TOTAL	23155753766	17350291096	20826364812	4819900953	1295929608	26118925	195456675	17559528	9429105	20532069	389187495	0	0	0	0	0	0	0	88833649463	1272307730	90105957193
	Profit before Interest & Taxes	(23072946287)	(17316645892)	(20695358114)	(4818689819)	(1294735370)	(26118925)	(194861046)	(17527362)	(9425725)	(20532069)	(386465824)	302045888	0	0	0	0	0	0	(8827296950)	116327962712	28054965762
25	Interest & Finance Charges	3092477	39453362	102994697	3067669	141228	0	14189	0	1069	0	985331	37584780428	0	2875	0	155937	25446921	37726293912	0	37726293912	
	Less:- Int. During Const.	0	0	0	0	0	0	0	0	0	0	0	(13163715928)	0	(2875)	0	(155937)	(25446921)	(13189321660)	0	(13189321660)	
	Net Int. Finance Charges & lease rental	3092477	39453362	102994697	3067669	141228	0	14189	0	1069	0	985331	24421064500	0	0	0	0	0	0	24536972252	0	24536972252
26	Extraordinary Items																			0		0
	Profit for the year before tax	(23076038764)	(17356099254)	(20798352811)	(4821757488)	(1294876597)	(26118925)	(194875235)	(17527362)	(9426794)	(20532069)	(387451155)	(24119018612)	0	0	0	0	0	0	(112809969202)	116327962712	3517993510
27	Provision for taxation																			0		0
	Profit after tax	(23076038764)	(17356099254)	(20798352811)	(4821757488)	(1294876597)	(26118925)	(194875235)	(17527362)	(9426794)	(20532069)	(387451155)	(24119018612)	0	0	0	0	0	0	(112809969202)	116327962712	3517993510
	Other Comprehensive Income	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	(673657665)	(673657665)
28	Prior period charges or credits																					
	Profit after tax available for appropriation	(23076038764)	(17356099254)	(20798352811)	(4821757488)	(1294876597)	(26118925)	(194875235)	(17527362)	(9426794)	(20532069)	(387451155)	(24119018612)	0	0	0	0	0	0	(112809969202)	115654305047	2844335845