

**Application for
Truing-up of Annual Revenue Requirement
For FY-2017-18
Of GLPL Unit -1&2
By
Giral Lignite Power Limited
Barmer**

Submitted to
Rajasthan Electricity Regulatory Commission
Jaipur

Dec - 2018

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Definitions

Act	The Electricity Act, 2003
Application	This Petition for Truing-up of ARR for FY 2017-18 for GLPL Unit-1&2 of Giral Lignite Power Ltd. (GLPL), Barmer.
Auxiliary Consumption (Aux. Con.)	Auxiliary Consumption in relation to a period means the quantum of energy consumed by auxiliary equipment of the generating station and transformer losses within the generating station, and shall be expressed as a percentage of the sum of gross energy generated at the generator terminals of all the units of the generating station.
Availability	Availability shall have the same meaning as defined in Section 2(7) of the RERC Tariff Regulations 2014.
Distribution Company / Discoms	Discoms or Distribution Company shall mean a company engaged primarily in the business of distribution & supply of electricity in its area of supply including Jaipur Vidyut Vitran Nigam Ltd. (JVVN), Ajmer Vidyut Vitran Nigam Ltd. (AVVN) and Jodhpur Vidyut Vitran Nigam Ltd. (JdVVN).
Gross Calorific Value (GCV)	Gross Calorific Value in relation to a thermal power generating station means the heat produced in kCal by complete combustion of one kilogram of solid fuel or one litre of liquid fuel or one standard cubic meter of gaseous fuel, as the case may be.
Regulation	The Rajasthan Electricity Regulatory Commission (Terms and Conditions for Determination of Tariff) Regulations, 2014 notified by RERC on Feb- 24, 2014.
State	The State of Rajasthan.
Gross Station Heat Rate	Heat energy input in kCal required to generate one unit (kWh) of electrical energy at generator terminals.
Unit	Unit in relation to a generating station means electric generator, its prime mover and auxiliaries and in relation to a combined cycle thermal power generating station includes combustion turbine – generators, associated waste heat recovery boilers, connected steam turbine-generator and auxiliaries

ABBREVIATIONS

ARR	Aggregate Revenue Requirement
Ajmer Discom	Ajmer Vidyut Vitran Nigam Limited
CERC	Central Electricity Regulatory Commission
FY	Financial Year
FY – 18	Financial Year 2017-18
GCV	Gross Calorific Value
GFA	Gross Fixed Assets
GLPL	Giral Lignite Power Limited
Gol	Government of India
GoR	Government of Rajasthan
Jaipur Discom	Jaipur Vidyut Vitran Nigam Limited
Jodhpur Discom	Jodhpur Vidyut Vitran Nigam Limited
kWh	Kilo Watt Hour or Unit
MU	Million Units
MW	Megawatts
PLF	Plant Load Factor
PPA	Power Purchase Agreement
R&M	Repairs and Maintenance
RERC/ Commission	Rajasthan Electricity Regulatory Commission
RVUN	Rajasthan Rajya Vidyut Utpadan Nigam Limited
RVPN	Rajasthan Rajya Vidyut Prasaran Nigam Limited
Rs.	Indian Rupees
SHR	Station Heat Rate
Transfer Scheme	The Rajasthan Power Sector Reforms Transfer Scheme, 2000

Notes:

In this Petition:

- **Annual Performance Review Period means FY 2017-18.**
- **All currency figures used in this Application, unless specifically stated otherwise, are in Rs. in 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. Giral Lignite Power Limited had filed the petition for Annual Revenue Requirement (ARR) & Tariff for GLPL Unit – 1 & 2 FY 2017-18, before the Hon'ble Commission in compliance to RERC (Terms & Conditions of Determination of Tariff) Regulations, 2014 issued under section 62 of the Electricity Act, 2003.
- 1.2. The Hon'ble Commission issued its order dated 04.04.2018 on the aforesaid petition and determined ARR & Tariff for the FY 2017-18.
- 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 or Licensee is covered under a multi-year tariff framework, then such Generating Company or Licensee, as the case may be, shall be subject to an annual performance review during the Control Period.
- 1.4. Regulation 8 (2) of RERC (Terms & Conditions for Determination of Tariff) Regulations, 2014 requires that a Generating Company shall make an application for annual performance review by 30th November each year which shall include a true-up of ARR for previous financial year based on Audited Accounts for relevant previous year.
- 1.5. Under Regulation 8(3) 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 prudent check including pass through of impact of uncontrollable factors ;
 - 1.5.2. Computation of the sharing of gains and losses on account of controllable factors for the previous year ;
 - 1.5.3. Revision of estimates for the ensuing financial year, if required, based on audited financial results for the previous financial year.
- 1.6. The annual reports and accounts of the GLPL Unit – 1 & 2 for FY 2017-18 have been now finalized, audited by the Statuary Auditors on 07.08.18 enclosed as **Annexure-A**.
- 1.7. The petitioner now on finalization of annual accounts for FY 2017-18 are

submitting this petition for truing-up of ARR for FY 2017-18 for GLPL Unit-1 & 2 alongwith audited annual accounts of FY 2017-18.

2. Generation Details

2.1 The plant gross generation and unit sent out of GLPL Unit-1&2 during FY 2017-18 has been detailed in table below:

Table 3: Generation of GLPL Unit – 1&2 for FY 2017-18.

S. No	Particulars	FY 17-18	
		Approved as per order	Actual/ audited
1	Unit Generated (MU)	1752.00	0.00
2	Auxiliary Power Consumption (MU)	201.48	0.00
3	Units Sent out (MU)	1550.52	0.00

2.2 It is pertinent to mention that Generation of both the Units are 0.00 MU as Units are under shut down and auxiliary power consumption at GLPL station is 3.49 MU.

3. Truing-up of ARR of GLPL Unit – 1&2 for FY 2017-18

3.1 The true-up of ARR for Giral Lignite Power Limited has been prepared and analysed under following heads:

- Truing-up of Capacity Charges
- Truing-up of Energy Charges
- Truing-up of Total ARR and Revenue Receipts

Truing-up of GLPL Unit – 1&2 Capacity Charges

3.2 The fixed cost elements as detailed hereunder for Giral unit 1&2 for the FY 2017-18 are as below:

Capital cost

3.3 The Hon'ble Commission in its order dated 12.08.15 has finalized the capital cost of GLPL unit 1 of Rs. 783.43 Cr. Accordingly, with subsequent additions and write off approved by Commission and addition in FY 17-18 in the books of account are considered, which are as shown in below table:

Table 2 : Addition in Capital Cost**(Rs. in Crore)**

Year	Opening Balance	Addition during the year	Written off during the year	Closing Balance
FY 2011-12 [Approved by the Commission (CoD) vide order 12.08.2015]	0	(COD-783.43) + (0.015 after COD till 31.03.2012)	0	783.45
FY 12-13	783.45	0.30	6.82	776.93
FY 13-14	776.93	0.00	0.00	776.93
FY 14-15	776.93	0.00	0.00	776.93
FY 15-16	776.93	0.00	0.00	776.93
FY 16-17	776.93	0.00	0.33	776.60
FY 17-18	776.60	1.25	0.00	777.85

Capital cost

3.4 The Hon'ble Commission in its order dated 12.08.15 has finalized the capital cost of GLPL unit 2 of Rs. 848.71 Cr. Accordingly, with subsequent additions and write off approved by Commission and addition in FY 17-18 in the books of account are considered, which are as shown in below table:

Table 3: Addition in Capital Cost Unit-2**(Rs. in Crore)**

Year	Opening Balance	Addition during the year	Written off during the year	Closing Balance
FY 2010-11 [Approved by the Commission (CoD) vide order 12.08.2015]	0.00	848.71	0.00	848.71
FY 11-12	848.71	0.04	2.17	846.58
FY 12-13	846.58	0.00	0.00	846.58
FY 13-14	846.58	0.00	0.00	846.58
FY 14-15	846.58	0.00	0.00	846.58
FY 15-16	846.58	0.00	0.00	846.58
FY 16-17	846.58	0.00	4.42	842.16
FY 17-18	842.16	0.00	0.00	842.16

Additional Capitalization/ Write Off Provision in the Tariff Regulation 2014:

17. Additional capitalization

(1) The following capital expenditure, actually incurred after the date of commercial operation and upto the cut-off date and duly audited, may be considered by the Commission against the original scope of work , subject to prudence check (a) Due to deferred liabilities within the original scope of work, (b) On works within the original scope of work, deferred for execution (c) To meet award of arbitration or satisfaction of order or decree of a court arising out of original scope of works, (d) On account of change in law, (e) On procurement of initial spares included in the original project costs subject to the ceiling norm laid down in Regulation 18, (f) Any additional works/ services, which have become necessary for efficient and successful operation of a generating station or a transmission or a distribution system but not included in the original capital cost.

3.5 Keeping in view the above Regulation, GLPL has incurred the following capital expenditure:

During FY 2017-18

1. Rs. 201960 /- under the head land.
2. Rs. 11869638/- under the head Plant and Machinery towards deferred payment.
3. Rs. 396810/- toward Lines and Cable Networks.

Depreciation

3.6 While calculating the Depreciation the capital cost as mentioned in the above para have been considered.

3.7 Computation of depreciation for FY 2017-18 is summarised in table below:

Table 4: Depreciation

(Rs. in Crore)

Particulars	FY 17-18
Depreciation	83.69

Interest on Loans

3.8 The interest on term loan and finance charges has been worked out as per regulation 21 of RERC Tariff Regulation 2014.

3.9 For the purpose of computation interest on term loan the petitioner has consider the normative loan approved by the Commission in its order dated 12.08.2015 and additional/reduction in loan corresponding to the capitalisation /write off of gross fixed assets in the respective years.

3.10 The loan repayment has been taken equal to the depreciation figure envisaged for FY 2017-18.

3.11 The normative interest on term loan and Actual audited finance charges are summarised in table below:

Table 5: Interest on Term Loan and finance charges (Rs. in Crore)

Particulars	FY 17-18
Interest on term Loan & Finance charges	100.69

Interest on working Capital

3.12 Actual/audited interest on working capital are summarised in table below:

Table 6: Actual Interest on Working Capital (Rs. in Crore)

Particulars	FY 17-18
Interest on Working Capital	5.84

3.13 Regulation 27 of the RERC Tariff Regulations, 2014 states that the rate of interest on working capital to be computed shall be on normative basis and shall be 250 basis points higher than the average Base Rate of State Bank of India prevalent during first six months of the year previous to the relevant year

3.14 The petitioner in accordance with the Regulation 27 (2) of RERC Tariff Regulations, 2014 the rate of interest on working capital has been considered as 250 basis points higher than the base rate of SBI average Base Rate of State Bank of India prevalent during first six months of the year previous to the relevant year.

3.15 The petitioner has considered the weighted average of interest rates which works out to 11.55 % for FY 17-18.

3.16 Accordingly, normative interest on working capital loan are summarised in table below:

Table 7: Normative Interest on Working Capital (Rs. in Crore)

Particulars	FY 17-18
Interest on Working Capital	11.64

3.17 As per the Regulation 9(2)(a) and Regulation 27 of the RERC Tariff Regulations, 2014 states that *"The variation in the interest amount on account of actual vis-a-vis normative interest rate on normative working capital shall be shared in the ratio of 50:50 between the generating company/licensee and the beneficiary."*

3.18 Keeping in view the above Regulation, GLPL after sharing of 50% loss, claim interest on working capital mentioned in below table:

Table 8: Interest on Working Capital (Rs. in Crore)

Sno	Particulars	FY 2017-18
A	Interest on Working Capital as per Normative Rate of Interest	11.64
B	Interest on Working Capital as per Actual/Audited Rate of Interest	12.23
C	(Gain)/ Loss (C=B-A)	0.59
D	50% Sharing (D=C*50%)	0.30
E	Interest on Working Capital Claimed (E=A+D)	11.93

Operation & Maintenance Expenses

3.19 Actual/audited figures of O&M expenses are summarised in table below:

Table 9: Actual O&M Expenses (Rs. in Crore)

Particulars	FY 2017-18
O&M expense with SPL O&M (Actual)	8.18

3.20 As per Regulation 47 of RERC Tariff Regulation 2014, normative figures of - O&M expenses are summarised in table below:

Table 10: Normative O&M Expenses (Rs. in Crore)

Particulars	FY 2017-18
O&M expense with SPL O&M (As per Norms)	62.82

3.21 Further, as per Regulation 47 of RERC Tariff Regulation 2014, in case the process water is required to be transported over a distance of more than 50 km, then appropriate special O&M expenses, subject to the prudence check by the Commission, shall be allowed in addition to the above O&M expenses. It shall include O&M expenses related to pipe line beyond 50 km and water pumping station operation cost, and additional power consumption for such pumping stations.

3.22 Giral power plant is bringing process water from Indira Ghandi Nahar Pariyojana Mohangarh Jaiselmer located at 170 Km from the Power plant and there are 4 pumping stations for pumping water from mohangarh to Giral. The complete pipe line and pumping stations are maintained by the Giral power station, the O & M of pipe line and pumping stations is carried out by Giral staff and single contract man power, the spares and

consumables are not booked separately for 50 km and 120 Km. Thus the expenditure is not booked separately for 50 Km and 120 Km. Therefore the expenditure for these heads is taken in prorata basis that is per Km and claimed for 120 Km out of 170 km. The electricity consumption of Mohangarh is not included in the claim as it is located near the Canal and the electricity charges of Kanod are divided in ratio of 10:25 as this pump is pumping water for 35 Km out of which 10 km comes under the first 50 km range and rest 25 Km is beyond the 50 km range. The electricity for Aakal and Devikot is claimed full. Distanced details of pumping stations is summarised as below:

Table 11: Pumping Stations Distance:

Sr. No.	Pumping Stations	Distance From Canal	Total (KM)
1	Mohangarh	located at canal only, push water upto 40 KM (0Km-40KM)	40
2	Kanod	Length 35KM (40 KM to 75 KM), push water for 35 km.	75
3	Aakal	Length 30KM (75 KM to 105 KM), push water for 30 km.	105
4	Devikot	Length 65KM (105 KM to 170 KM) till Plant, push water for 65 km.	170

3.23 Accordingly the Special O&M expenses for FY 2017-18 are computed as below:

Table 12: Special O & M Expenses (Rs. in Crore)

Particular	FY 2017-18
Details of Water pumping Stations beyond 50 K.M. from Water intake point	
<u>Pumping Station</u>	
Expense for Man-Power engaged for operation & maintenance for pumping stations	0.00
Expense for maintenance of Raw water pipe line	0.00
Expenses for Spares & Lubrications for R&M of pumping stations	0.00
Expenses for Electricity Consumption of pumping stations (Rs.)	0.08
Total Special O&M Expenses	0.08

3.24 As per the Regulation 9(2) of the RERC Tariff Regulations, 2014 states that "Gain or loss to the Generating Company or Licensee on account of controllable factors shall be retained or borne by the Generating Company or Licensee, as the case may be, except in case of the following: a) Rate of Interest on working capital requirement, which shall be as per regulation 27; b) Station Heat Rate, Auxiliary Consumption, and Secondary fuel oil consumption, which shall be as per regulation 57 and c) Distribution loss, which shall be as per regulation 76.

3.25 Keeping in view the above Regulation, GLPL claim O&M expenses mentioned in table below:

Table 13: O&M Expenses (Rs. in Crore)

S.No.	Particulars	FY 2017-18
A	O&M Expenses without Spl O&M (Normative)	62.74
B	O&M Expenses (Actual other than Special O&M)	8.11
C	Special O&M expense for Water pipe lines>50 km	0.08
D	O&M Expenses (Actual)(B+C)	8.18
E	O&M Expenses Claimed E=A+C	62.82

Return on Equity

3.26 As per Regulation 20 of RERC Tariff Regulation 2014, Return on equity shall be computed at the base rate of 15.5% for Generating Companies. Accordingly the Return on Equity has been computed for period FY 2017-18.

3.27 The Return on Equity (ROE) for period FY 2017-18 are summarised in Table below:

Table 14: Return on Equity (Rs. in Crore)

Particulars	FY 2017-18
Return on Equity	50.67

Recovery of ARR & Tariff Petition Fees

3.28 Audited figures of ARR & Tariff Petition Fees for FY 2017-18 are summarised in table below:

Table 15: Recovery of ARR & Tariff Petition Fees (Rs. in Crore)

Particulars	FY 2017-18
ARR & tariff petition fees	0.13

Insurance Charges

3.29 Audited figures of Insurance Charges for FY 2017-18 are summarised in table below and insurance policies are enclosed as **Annexure-B**.

Table 16: Insurance Charges (Rs. in Crore)

Particulars	FY 2017-18
Insurance Charges	1.78

Prior Period Expenses

3.30 Audited figures of Prior Period Expenses for FY 2017-18 are summarised in table below:

Particulars	FY 2017-18
Prior Period Expenses	0.00

Non-Tariff Income

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

- a) Sale of Scrap
- b) Income from rent on land/buildings
- c) Miscellaneous receipts (rebates etc.)

3.32 Audited figures of Non Tariff Income for FY 2017-18 are summarised in table below:

Particulars	FY 2017-18
Non Tariff Income	2.37

3.33 The element-wise fixed cost approved by the Hon'ble Commission and actual fixed cost as per audited accounts (including normative computation) for FY 2017-18 are given in below tables. The variation of fixed cost from audited figure(including normative computation) are as follow:

Particulars	FY 2017-18		
	Approved as per order	As per Audited Accounts /Norms	difference
1	2	3	4=3-2
Capacity MW	250	250	
Depreciation	83.90	83.69	-0.21
Interest on term Loan & Finance charges	95.97	100.69	4.72
Interest on Working Capital	11.47	5.84	-5.63
O & M Expenses	63.13	8.18	-54.95
Return on Equity	50.80	50.67	-0.13
Tax On RoE	0.00	0.00	0.00
Insurance Charges	1.15	1.78	0.63

Particulars	FY 2017-18		
ARR and Tariff Petition Fee	0.13	0.13	0.00
Prior period Expenses/(Income)	0.00	0.00	0.00
Gross Capacity (Fixed Charges)	306.55	250.97	-55.57
Less: Non-Tariff income	0.35	2.37	2.02
Total- Capacity (Fixed Charges)	306.20	248.61	-57.59
Rate of Fix Charge ex-bus	1.975	0.000	-1.97

Truing-up of GLPL Unit-1&2 Energy Charges

3.34 The energy charges of Rs. 1.413 for FY 2017-18 have been approved by the Hon'ble Commission vide order dated 04.04.18 at the normative level. The actual energy charges based on audited Accounts works out to Rs. 0.00 for FY 2017-18. The deviation in actual energy charges from approved figure is attributed to variation in operating parameters:

Table 20: Variable Charges for FY 2017-18 (Rs. in Crore)

S.No	Particulars	Approved as per order	Actual/ audited
1	Capacity in MW	250.00	250.00
2	PLF %	80.00	0.00
3	Unit Generated (MU)	1752.00	0.00
4	Auxiliary Consumption (MU)	201.48	0.00
5	Unit Sent Out	1550.52	0.00
6	SHR kCal/kWh	2403.50	0.00
7	Specific Lignite Consumption (kg/kWh)	0.80	0.00
8	Specific Lime Consumption (kg/kWh)	0.21	0.00
9	Specific Oil (LDO) Consumption (ml/kWh)	1.00	0.00
10	GCV of Lignite (kCal/kg)	3007.00	0.00
11	GCV of (LDO) Coal (kCal/litre)	8895.14	0.00
12	Price of Lignite (Rs. / MT)	1334.15	0.00
13	Price of Lime (Rs. / MT)	752.91	0.00
14	Price of Oil (LDO) (Rs. / KL)	26634.40	0.00
15	Cost of Lignite (Rs. In crore)	186.14	0.12
16	Cost of Lime (Rs. In crore)	28.23	0.00
17	Cost of LDO (Rs. In crore)	4.67	0.01
18	Variable cost of generation (Rs. In crore)	219.03	0.13
19	Variable Cost Rs. / kWh sent out	1.413	0.00

3.35 GLPL Unit 1&2 achieved a Plant Load Factor of 0.00%, for FY 2017-18 is much lower than target PLF value 80.00%.

Truing-up of GLPL Unit-1 & 2 Total ARR and Revenue Receipts

3.36 The net effect of variation in Fixed Cost, Variable Charges and Revenue Receipts of actual as per Audited Accounts/Normative for FY 2017-18 with approved ARR order vide RERC Order dated 04.04.2018 is summarised below:

Table 21: Total True-up for FY 2017-18 (Rs. in Crore)

Particulars	As per RERC order	As per Audited Accounts /Norms
Cost side True Up		
Total Fixed Cost	306.20	248.61
Variable cost	219.03	0.13
Add: PLF Based Incentive		
Total Expenses	525.23	248.74
Extra Cost running By GLPL (A)	-276.49	
Revenue Side True up		
Revenue From electricity (fixed And Energy charges)	525.23	0.00
Add: PLF Based Incentive		
Total Revenue	525.23	0.00
Extra Amount billed to Discom by GLPL (B)		-525.23
Total Amount Sought from Discom C=(A-B)		248.74

3.37 As presented in the table above GLPL requests the Commission to allow the true up amount of Rs. 248.74 Crore for FY 2017-18 as mentioned above.

4. Respondents

4.1 All the three Discom's (i.e JVNL/AVNL/ Jd.VNL) Jaipur/ Ajmer/ Jodhpur are respondents for the above petition.

5. Prayer

5.1 GLPL humbly requests the Hon'ble Commission to:

- Determine the True-up of Annual Revenue Requirement for FY 2017-18 of Unit#1&2 based on Audited Accounts of GLPL for FY 2017-18 as per submission made above;
- And pass such other further orders as are deemed fit and proper in the facts and circumstances of the case.

(.....)
Sr. Accounts Officer
GLPL, Barmer

(R.P. Singh)
Managing Director
GLPL, Barmer

Aggregate Revenue Requirement

Name of the Petitioner

GLPL

Name of the Power Station :

GLPL Unit-1 & 2

(Rs. Crore)

S.No.	Particulars	Reference Form	2017-18			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	<u>Revenue side True-up</u>					
1	Revenue from Sale of Power (Tariff income)	3.1	525.23	0.00	525.23	
2	Revenue Subsidies, Grants & Subvention from State Govt.	3.2	0.00	0.00	0.00	
	Total- (A)		525.23	0.00	525.23	
B	<u>Expenditure Side True up</u>					
1	Variable Costs, including Fuel Cost	5.1	219.03	0.13	218.91	
2	Depreciation	6.1	83.90	83.69	0.21	
3	Interest on term Loan & Finance charges	6.2	95.97	100.69	-4.72	
4	Return on Equity	6.4	50.80	50.67	0.13	
5	Tax on ROE	6.5	0.00	0.00	0.00	
6	Interest on Working Capital	6.6	11.47	5.84	5.63	
7	O & M Expenses including Special O&M Expenses, if any.	4	63.13	8.18	54.95	
8	Insurance Charges	7	1.15	1.78	-0.63	
9	Any other item (to be specified) ARR and tariff fee		0.13	0.13	0.00	
	Less:- Non-Tariff income	3.3	0.35	2.37	-2.02	
C	Total- Aggregate Revenue Requirement (B)		525.23	248.74	276.49	
D	Surplus (+)/ Shortfall (-) [A-B]		0.00	-248.74	248.74	

Operational Parameters - Hydel Generation

Name of the Petitioner:

GLPL

Name of the Power Station :

GLPL Unit-1 & 2

S. No.	Particulars	Units	Year-17-18			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	<u>Operational Parameters - Hydel</u>					
1.1	Total Capacity	MW				
1.2	Capacity Index	%				
1.3	Design Energy	MU	N/A			
1.4	Gross Generation	MU				
1.5	Auxiliary Energy Consumption	MU				
1.6	Auxiliary Energy Consumption	%				
1.7	Net Generation	MU				

Capacity Index (for Hydro Generating Stations)

Name of the Petitioner: GLPL
 Name of the Power Station : GLPL Unit-1 & 2

S.No.	Particulars	Capacity (MW)	Date of Commissioning	Year-17-18			Remarks
				Approved	Audited	Difference	
1	2	3	4	5	6	7 = 6-5	8
1	Unit 1						
2	Unit 2						
3		N/A				
4						
5						
6						
7						

Format 2.3

Details of Plant Performance data

Name of the Petitioner:

GLPL

Name of the Power Station :

GLPL Unit-1 & 2

Year

17-18

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	<u>GLPL Unit-1 & 2</u>	0.000	0.000	0.000	2190	11.5	1938.15	0.00	0.00	1550.52	-1550.52	
2												
3												
4												
5												
6												
7												
8												
	Total											

Revenue from Sale of Power

Name of the Petitioner:
Name of the Power Station :

GLPL
GLPL Unit-1 & 2

GT 3.1

Year -17-18 (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)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
1	Dist. Licensee / trader/ consumers								
(a)	JVVNL (40%)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
(b)	AVVNL (28%)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
(c)	JDVNL (32%)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
(d)									
2	Gross Revenue From Sale of Power	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
3	Other recoveries	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
5	Less. : revenue during trial runs (capitalised)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
6	Net revenue	0.00	0.00	0.00	0.00	0.00	0.00	0.00	

GT 3.2

REVENUE SUBSIDIES & GRANTS

Name of the Petitioner: GLPL
 Name of the Power Station : GLPL Unit-1 & 2

Rs. in Crores)

Particulars	Year -17-18			Remarks / Reasons for difference,if any
	Approved as per order	Claimed as per audited accounts	Difference	
2	3	4	5= (3-4)	6
<u>Revenue Subsidies & grants:-</u>				
Subvention from State Government towards sale of electricity				
State Govt. Grant against addl. Intt. Liability on Company				
Any Other item	0	0	0	
Total-A				

Form GT_3.3

NON TARIFF INCOME

Name of the Petitioner:

GLPL

Name of the Power Station :

GLPL Unit-1 & 2

Rs. in Crores

S. No.	Particulars	FY 2017-18			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>Non Tariff Income</u>				
1					
2					
3	Any other	0.35	2.37	-2.02	
	Total - A				

Form GT - 4
O&M Expenses

Name of the Petitioner:

--- GLPL

Name of the Power Station :

--- GLPL Unit-1 & 2

S.No.	Particulars	FY 2017-18			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	250	125		
2	Total O&M Expense for FY-----17-18	62.74	8.11	54.63	
3	Special O&M expense for Water pipe lines>50 km		0.08		
4	Details of Water pumping Stations beyond 50 K.M. from Water intake point				
5	<u>Pumping Station No. Devikot</u>				
6	Expense for Man-Power engaged for operation & maintenance for pumping staions		0.00		
7	Expense for maintenance of Raw water pipe line		0.00		
8	Expenses for Spares & Lubrications for R&M of pumping stations		0.00		
9	Expenses for Electricity Cosumption of pumping stations (Rs.)		0.04		
10	Sub total (b)		0.04		
11	<u>Pumping Station No.Aakal</u>				
12	Expense for Man-Power engaged for operation & maintenance for pumping staions		0.00		
13	Expense for maintenance of Raw water pipe line		0.00		
14	Expenses for Spares & Lubrications for R&M of pumping stations		0.00		
15	Expenses for Electricity Cosumption of pumping stations (Rs.)		0.04		
16	Sub total (b)		0.04		
23	Total (4) Special O&M Expenses	0.39	0.08		
24	Total O&M expenses	63.13	8.18		

Energy Charges for Thermal Generation

Name of the Petitioner:

GLPL

Name of the Power Station :

GLPL Unit-1 & 2

S.No.	Particulars	Units	FY-2017-18		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	250.00	250.00		
1.2	Availability	%	80.00	0.00		
1.3	PLF	%	80.00	0.00		
1.4	Gross Generation	MU	1752.00	0.00		
1.5	Auxiliary Energy Consumption	%	11.50	0.00		
1.6	Auxiliary Energy Consumption	MU	201.48	0.00		
1.7	Net Generation	MU	1550.52	0.00		
1.8	Heat Rate	kcal/kWh	2403.50	0.00		
2	Fuel Parameters (for each primary and secondary fuel)					
2.1	Gross Calorific Value					
2.1.1	Fuel 1- Indigenous coal/ Lignite	kcal/Kg.	3007.00	0.00		
2.1.2	Fuel 2- Imported coal	kcal/Kg.	0.00	0.00		
2.1.3	Fuel 3- F. O./ HSD	kcal/KL	8895.14	0.00		
2.2	Landed Fuel Price per unit (Please specify the fuel)					
2.2.1	Fuel 1- Indigenous coal/ Lignite	Rs/MT	1334.15	0.00		
2.2.2	Fuel 2- Imported coal	Rs/MT	0.00	0.00		
2.2.3	Fuel 3- F. O./ HSD	Rs./KL	26634.40	0.00		
2.2.4	Lime Stone	RS./ MT	752.91	0.00		
3	Fuel Consumption and Heat Contribution (for each fuel separately)					
3.1	Total Fuel Consumption					
3.1.1	Fuel 1- Indigenous coal/ Lignite	MT	1395193.79	0.00		
3.1.2	Fuel 2- Imported coal	MT	0.00	0.00		
3.1.3	Fuel 3- F. O./ HSD	KL	1752.00	0.00		
3.1.4	Lime Stone	MT	374928.00	0.00		
3.2	Specific Fuel Consumption					
3.2.1	Fuel 1- Indigenous coal/ Lignite	Kg./kWh	0.80	0.00		
3.2.2	Fuel 2- Imported coal	Kg./kWh	0.00	0.00		
3.2.3	Fuel 3- F. O./ HSD	ml/Kwh	1.00	0.00		
3.2.4	Lime Stone	Kg./kWh	0.21	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	4195347.71	0.00		
3.3.2	Fuel 2 - Imported coal (2.1.2 x 3.1.2)	Million kcal	0.00	0.00		
3.3.3	Fuel 3 - FO/ HSD (2.1.3 x 3.1.3)	Million kcal	15584.29	0.00		
3.3.4	Lime Stone		0.00	0.00		
	Total Heat Content					
4	Total Fuel Cost					
4.1.1	Fuel 1 - Indigenous coal/ Lignite (2.2.1 x 3.1.1)	Rs Crore	186.14	0.12		
4.1.2	Fuel 2 - Imported coal (2.2.2 x 3.1.2)	Rs Crore	0.00	0.00		
4.1.3	Fuel 3 - FO/ HSD (2.2.3 x 3.1.3)	Rs Crore	4.67	0.01		
4.1.4	Lime Stone	Rs Crore	28.23	0.00		
	Total Fuel Cost	Rs Crore	219.03	0.13		
5	Other Charges and Adjustments	Rs Crore	0.00	0.00		
6	Total Cost (4+5)	Rs Crore	219.03	0.13		
7	Cost of Generation per unit (at Generation Terminal) (6/1.4)	Rs/kWh	1.25	0.00		
8	Energy Charge per unit (ex-bus) (6/1.7)	Rs/kWh	1.413	0.00		

Details/ information in respect of fuel for computation of energy charges

Name of the Petitioner:
Name of the Power Station :

GLPL
GLPL Unit 1&2

S.No.	Particulars	Unit	Year 2017-18				Total 8=(4+5+6+7)	Remarks
			1st Quarter	2nd Quarter	3rd Quarter	4th Quarter		
1	2	3	4	5	6	7	8	9
A.	Indegenous coal / Lignite / Imported coal							
1	Quantity of coal / lignite in stock at beginning	MT						
2	Quantity of coal / lignite supplied by coal / lignite company	MT						
3	Adjustment(+/-) in quantity supplied/ made by coal company due to -----(to be mentioned specifically)	MT						
4	Coal supplied by Coal / lignite company (2+3)	MT						
5	Normative Transit / handling losses	MT						
6	Net coal / lignite supplied (4-5)	MT						
7	Total coal / lignite (Receipts + Opening stock) (1+6)	MT						
8	Coal / lignite consumed :-	MT						
(i)	For generation of Firm power	MT						
(ii)	For generation of infirm power	MT						
9	Quantity of coal / lignite in stock at the end	MT						
10	Value of coal / lignite in stock at beginning	Rs.in lakhs						
11	Amount charged by coal / lignite company	Rs.in lakhs						
12	Adjustment(+/-) in amount charged / made by coal company on a/c of the reason(to be mentioned specifically)	Rs.in lakhs						
13	Total amount charged (11+12)	Rs.in lakhs						
14	Transportation charges	Rs.in lakhs						
15	Adjustment(+/-) in amount charged / made by Railway / Transport company	Rs.in lakhs						
16	Demurrage charge, if any	Rs.in lakhs						
17	Any other charges (to be mentioned specifically)	Rs.in lakhs						
18	Total transportation charges	Rs.in lakhs						
19	Total amount charged for coal/ lignite incl. transportation charges	Rs.in lakhs						
20	Average cost of coal / lignite(Opening stock + receipts) (19/7)	Rs./MT						
21	Cost of coal/lignite in stockat the end of the month (20x9)	Rs.in lakhs						
22	Weighted average GCV of coal /lignite	Kcal/ Kg.						
23	Weighted average Sulphur content	%						
24	Weighted average Moisture content	%						
B.	FO /HSD / LDO							
1	Quantity of oil in stock at beginning	KL						
2	Quantity of oil supplied by oil company	KL						
3	Adjustment(+/-) in quantity supplied/ made by oil company due to -----(to be mentioned specifically)	KL						
4	Oil supplied by oil company (2+3)	KL						
5	Normative Transit / handling losses	KL						
6	Net oil supplied (4-5)	KL						
7	Total oil (Receipts + Opening stock) (1+6)	KL						
8	Oil consumed :-	KL						
(i)	Firm power	KL						
(ii)	Infirm power	KL						
9	Quantity of oil in stock at the end	KL						
10	Value of oil in stock at beginning	Rs.						
11	Amount charged by oil company	Rs.						
12	Adjustment(+/-) in amount charged / made by oil company on a/c of the reason(to be mentioned specifically)	Rs.in lakhs						
13	Total amount charged (11+12)	Rs.in lakhs						
14	Transportation charges	Rs.in lakhs						
15	Adjustment(+/-) in amount charged / made by Railway / Transport company	Rs.in lakhs						
16	Demurrage charge, if any	Rs.in lakhs						
17	Any other charges (to be mentioned specifically)	Rs.in lakhs						
18	Total transportation charges	Rs.in lakhs						
19	Total amount charged for oil incl. transportation charges	Rs.in lakhs						
20	Average cost of oil (Opening stock + receipts) (19/7)	Rs./ KL						
21	Cost of oil in stock at the end of the month (20x9)	Rs.						
22	Weighted average GCV of oil	Kcal/ KL						
C.	limestone (Applicable for Lignite based generating stations only)							
1	Quantity of limestone in stock at the beginningof the year	MT						
2	Quantity of limestone supplied	MT						
3	Total limestone (Receipts & Opening Stock)	MT						
4	Limestone consumed	MT						
5	Limestone in stock at the end of the year	MT						
6	Value of limestone in stock	Rs.in lakhs						
7	Amount charged by the limestone company	Rs.in lakhs						
8	Transportation charges	Rs.in lakhs						
9	Total amount Charged for limestone supplied including transportation	Rs.in lakhs						
10	Average cost of limestone (Opening stock + receipts)	Rs./ MT						
11	Cost of limestone in stock at the end of the year	Rs.in lakhs						
12	Cost of limestone consumed during the year	Rs.in lakhs						

NIL Fuel

Fixed Assets & Provisions for Depreciation

Name of the Petitioner:-----

GLPL

Name of the Project/ Stage/ Unit :-----

GLPL Unit-1 & 2

Year ----- 17-18

(Rs Crore)

S. No.	Particulars	Name of the project-----GLPL Unit#2									
		Stage-I			Stage-II			Stage-III			Total
		Unit--#1	Unit--2	Total	Unit----	Unit----	Total	Unit----	Unit----	Total	
A	Installed Capacity(In MW)	125	125	250							250
B	Commercial operation Date	18.10.2011	12.03.11								0
C	Capital Cost approved by the Commission (Rs. in Crore)	776.60	842.16	1618.761							1618.76
D	90 % depreciable Value	698.94	757.94	1456.885							1456.88
E	Balance useful life as on 01.04.14	19.00	19	38							38.00
F	Total Depreciation allowed Upto 16-17	214.20	270.32	484.5176							484.52
G	Balance depreciation to be allowed.	484.74	487.62	972.3672							972.37
H	Percentage depreciation allowed upto 16-17.	30.65	35.66	33.26							33.26
I	Depreciation for FY-----14-15										
	i Depreciation allowed in tariff order	83.90	44.74	128.64							128.64
	ii Depreciation claimed in true up	39.26	44.42	83.69							83.69
	iii Difference (i-ii)	44.64	0.32	44.64							44.64

LOAN REPAYMENT, LEASE & INTEREST LIABILITY

Name of the Petitioner: GLPL
 Name of the Power Station : GLPL Unit-1 & 2

Rs. Crore

Year -----17-18

S. No.	Source (loan/lease)	Currency	Opening Balance	Actual Receipts	Actual Repayment	Closing Balance	Liability of Interest	Financial charges	Lease Rental	Total interest	Less: Interest	Net interest charges	Weighted average rate
1	2	3	4	5	6	7	8	9	10	11	12	13	14
1	Loan-1	term loan	807.47	1.00	48.07	760.40	92.45	8.25	-0.02	100.69	0.00	100.69	11.79%

Wiegthed 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 GLPL

Name of the Power Station GLPL Unit-1 & 2

COD- 18.10.2011 (FY 17-18)

(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	Land & land rights	0.02	Regulation No. 19 (b)of Reg 2009 and17 (1) (a) of Reg 2014		0.02		0.02	0.00		
A.2	Plant & machinery	1.19	Regulation No. 19 (b)of Reg 2009 and17 (1) (a) of Reg 2015		0.95		0.95	0.24		
A.3	Lines and Cable Networks	0.04	Regulation No. 19 (b)of Reg 2009 and17 (1) (a) of Reg 2016		0.03		0.03	0.01		
A.4										
A.5										
A.6										
	Total-A	1.2468408			1.00		1.00	0.25		
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									

Note:

1 Fill the form in chronological order year wise along with detailed justification clearly bring out the necessity and the benefits accruing to the beneficiaries.

2 In case initial spares are purchased alongwith any equipment, then the cost of such spares should be indicated separately. e.g. Rotor - 50 Crs. Initial spares- 5 Crs.

RETURN ON EQUITY

Name of the Company

GLPL

Name of the Power Station :

GLPL Unit-1 & 2

Rs. Crore

S.No.	Particulars	Reference	FY 17-18			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
42.07%	1	Equity at the beginning of the year	326.75	326.75	0.00	
	2	Capitalisation	0.00	1.25	1.25	
	3	Equity portion of capitalisation	0.00	0.25	0.25	
	4	Equity at the end of the year	326.75	327.00	0.25	
					0.00	
		Return Computation			0.00	
	5	Return on Equity at the beginning of the year*	15.50%*(1)	50.65	50.65	0.00
	6	Return on Equity portion of capitalisation (on pro-rata basis)*	15.50%*(3)/(n/12)	0.00	0.02	0.02
	7	Total Return on Equity	(5)+(6)	50.65	50.67	0.02

* 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 :

GLPL
GLPL Unit-1 & 2

Rs. Crore

S.No.	Particulars	Year ___17-18	Remarks
		Actual/Audited	
1	2	4	5
I	Profit Before Tax		
II	Return on Equity approved by Commission		
III	PBT - ROE (I - II)		
IV	Income Tax		
a)	Income Tax allowable on Return on Equity	N/A	
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		

Interest on Working Capital

Name of the Company

GLPL

Name of the Power Station

GLPL Unit-1 & 2

Rs. Crore

S. No.	Particulars	Year ___17-18			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)	8.76	7.76		
2	Secondary fuel stock (as per norms)	0.88	0.78		
3	O & M expenses (as per norms)	5.26	5.23		
4	Maintenance Spares (as per norms)	12.63	12.56		
5	Receivables (as per norms)	65.65	20.74		
6	limestone, if applicable (as per norms)	3.99	3.53		
	Total Working Capital	97.17	50.60		
	Rate of Interest	11.55	11.55		
	Interest on Working Capital	11.47	5.84		

Reconciliation Statement

Name of the Petitioner

GLPL

Name of the Power Station :

GLPL Unit-1 & 2

(Rs. Crore)

S.No.	Particulars**	Reference of Note	Year __17-18			Remarks / Reasons for difference,if any
			As per audited annual accounts	As per Petition (Normative)	Difference	
1	2	3	4	5	6=(4-5)	9
A	INCOME					
1	Revenue from Sale of Power		0.00	0.00	0.00	
2	Non- Tariff Income		2.37	2.37	0.00	
3	Revenue Subsidies, Grants & Subvention from State Govt.		0.00	0.00	0.00	
B	Expenditure					
1	Generation of power		0.13	0.13	0.00	
2	Repairs & maintenance		0.33			
3	Employee Costs		4.20	62.74	9.40	Due to saving in O&M Expenses
4	Administrative & General Expenses		4.86			
5	Depreciation		77.59	83.69	-6.09	
6	Interest & Finance Charges including IWC		150.66	106.53	44.12	Due to capital loans to meet finance requirement
7	Lease Rentals		-0.02	0.00	-0.02	Lease rental taken in F 6.2
8	Prior Period Charges & Credits		0.00	0.00	0.00	
9	Insurance Charges*		1.78	1.78	0.00	The petitioner should also submit the amount @ 0.2% of Net Fixed Assets in the remark column.
10	Tariff petition fees		0.13	0.13	0.00	
11	Other O&M		0.61	0.00	0.61	Included in O&M
12	Inter- unit account Balance		0.00	0.00	0.00	
13	Any other item (To be specified) HO Allocation Spl O&M		0.08	0.08	0.00	
	Reconciliation with Accounts		238.37	253.08	-14.71	