# THE TATA POWER COMPANY LIMITED

Registered Office: Bombay House, 24, Homi Mody Street, Mumbai 400 001. Tel: 91 22 6665 8282 Fax: 91 22 6665 8801

Website: www.tatapower.com CIN: L28920MH1919PLC000567



# **TATA POWER**

# **PUBLIC NOTICE**

Inviting Suggestions/Objections on Petition of The Tata Power Company Limited – Generation Business for Truing up for FY 2015-16 & FY 2016-17, Provisional Truing up for FY 2017-18 and Revised ARR forecast from FY 2018-19 to FY 2019-20. [Case No. 65 of 2018]

- 1. The Generation Business of The Tata Power Company Limited (Tata Power-G) has filed a mid Term Review (MTR) Petition for approval of final True up of Aggregate Revenue Requirement (ARR) for FY 2015-16 & FY 2016-17, Provisional
- 2. The filing for the final True up for FY 2015-16 is based on MERC (Multi Year Tariff) Regulations, 2011. Filing for final Truing up for FY 2016-17, Provisional Truing up of FY 2017-18 and revised ARR from FY 2018-19 and FY 2019-20 is based on MERC (Multi Year Tariff) Regulations, 2015 and other relevant Regulations.
- 2. The Commission has admitted the Petition on 21 June, 2018 and directed Tata Power-G to publish a Public Notice under Section 64(2) of the Electricity Act, 2003 inviting Suggestions/Objections from the Public through this notice.

Truing up of FY 2017-18 and approval of revised ARR for FY 2018-19 and FY 2019-20 in accordance with MERC (Multi Year Tariff) Regulations, 2011 and MERC (Multi Year Tariff) Regulations, 2015.

3. The salient features of the Petition are provided below:

Table 1: Operational Parameters (Unit-5)

Particular	FY 20	FY 2015-16		FY 2016-17		FY 2017-18		
	Approved	Actual	Approved	Actual	Approved	Estimated	Projected	
Availability (%)	95.25%	95.25%	87.02%	88.55%	97.40%	93.83%	91.78%	
PLF (%)	79.99%	79.77%	85.00%	71.15%	85%	71.80%	67.58%	
Station Heat Rate (kCal/kWh)	2520	2520	2525	2516	2533	2527	2541	
Gross Generation(MUs)	3503.45	3503.45	3316.00	3116.31	3723.00	3144.64	2959.79	
Auxiliary Consumption (%)	5.87%	5.87%	6.00%	5.86%	6.00%	5.70%	6.00%	
Net Generation (MUs)	3297 80	3297 66	3117 04	2933 57	3499 62	2965 25	2782 20	

### **Table 2: Operational Parameters (Unit-6)**

Particular		FY 2015-16			FY 2016-17	
	Approved	Actual (as per PPA)	Actual (as per MSLDC directions)	Approved	Actual (as per PPA)	Actual (as per MSLDC directions)
Availability (%)	92.99%	92.99%	92.99%	97.38%	99.56%	99.56%
PLF (%)	0.96%	0.31%	0.65%	0.00%	0.00%	0.00%
Station Heat Rate (kCal/kWh)	2594	3054	2890	2544	NA**	NA
Gross Generation(MUs)	42.13	13.80	28.33	0.00	0.06	0.00
Auxiliary Consumption (%)	3.50%	-	6.54%	3.50%	NA	0.00%
Auxiliary Consumption (MUs)	1.47	0.96	1.85	0.00	0.00	0.00
Auxiliary Consumption in standby mode(MUs)	NA	24.34	NA	NA	20.72	NA
Net Auxiliary Consumption (MUs)	1.47	25.30	1.85	0.00	20.72	0.00
Net Generation (MUs)	40.66	-11.51	26.48	0.00	-20.66	0.00

#Note: No generation has been projected for Unit-6 in FY 2017-18 but auxiliary consumption under standby mode is estimated to 21.52 MUs for the year. Further, no generation and auxiliary consumption has been projected for the balance period of MYT Third Control Period, i.e., FY 2018-19 to FY 2019-20. \*\* NA – Not Applicable

\* The % auxiliary consumption for Unit 6 (Under PPA Operation) is exclusive of auxiliary consumption under standby mode

**Table 3: Operational Parameters (Unit-7)** 

Particular	FY 2015-16		FY 201	FY 2016-17		FY 2017-18		FY 2019-20			
	Approved	Actual	Approved	Actual	Approved	Estimated	Projected	Projected			
Availability (%)	93.69%	93.69%	97.40%	98.33%	97.40%	97.95%	96.71%	87.16%			
PLF (%)	74.61%	74.61%	56.07%	89.63%	56.07%	82.67%	85.47%	85.24%			
Station Heat Rate (kCal/kWh)	2136	2136	2023	1996	2027	2030	2031	2035			
Gross Generation(MUs)	1179.73	1179.73	884.12	1413.21	884.12	1303.56	1347.67	1347.67			
Auxiliary Consumption (%)	2.63%	2.63%	3.00%	2.95%	3.00%	2.94%	3.00%	3.00%			
Net Generation (MUs)	1148.70	1148.76	857.60	1371.55	857.60	1265.23	1307.24	1307.24			
Table 4: Operational Parameters (Unit-8)											

Particular	FY 20	15-16	FY 20	16-17	FY 20	17-18	FY 2018-19	FY 2019-20
	Approved	Actual	Approved	Actual	Approved	Estimated	Projected	Projected
Availability (%)	94.72%	94.72%	92.66%	97.40%	97.21%	93.33%	98.08%	91.80%
PLF (%)	85.76%	85.76%	85.05%	85.14%	85.07%	81.79%	85.88%	85.64%
Station Heat Rate (kCal/kWh)	2300	2300	2450	2296	2450	2305	2450	2450
Gross Generation(MUs)	1883.34	1883.34	1862.59	1864.56	1863.00	1791.18	1880.74	1880.74
Auxiliary Consumption (%)	6.20%	6.20%	8.50%	6.20%	8.50%	6.26%	8.50%	8.50%
Net Generation (MUs)	1766.57	1766.63	1704.27	1749.00	1704.65	1678.97	1720.88	1720.88

### Table 5: Auxiliary Consumption (Unit-4) Particular

Particular	FY 20	15-16
	Approved	Actual
Auxiliary Consumption under standby mode (MUs)	3.68	1.91
#Note: Unit-4 was on standby mode for entire period. Auxiliary consump	tion in standby mode is claimed at	actuals and is within the normative

approved value. Table 6: Operational Parameters (Bhivpuri)

FY 2017-18

FY 2018-19 FY 2019-20

## FY 2015-16

	Approved	Actual	Approved	Actual	Approved	Estimated	Projected	Projected	
Availability (%)	96.00%	99.30%	99.58%	99.65%	98.18%	99.38%	95.64%	99.85%	
Auxiliary Consumption (%)	1.96%	2.53%	1.56%	2.18%	1.55%	1.83%	1.55%	1.55%	
Net Generation (MUs)	223.62	224.58	274.65	236.88	292.40	311.93	284.52	284.52	
Table 7: Operational F	Parameters	(Khopoli)							

Particular	FY 201	5-16	FY 201	16-17	FY 2017-18		FY 2018-19	FY 2019-20	
	Approved	Actual	Approved	Actual	Approved	Estimated	Projected	Projected	
Availability (%)	99.58%	99.82%	99.53%	99.91%	99.58%	100.00%	97.80%	98.94%	
Auxiliary Consumption (%)	1.96%	3.79%	1.56%	3.86%	1.55%	3.31%	1.55%	1.55%	
Net Generation (MUs)	237.19 222.67		266.77	276.10	269.75	298.58	282.55	282.55	
Table 8: Operational F					l .				

#### **Particular** FY 2015-16

Particular	FY 2015-16		FY 2016-17		FY 20	FY 2018-19	
	Approved	Actual	Approved	Actual	Approved	Estimated	Projected
Availability (%)	91.24%	90.61%	97.64%	99.71%	96.39%	98.41%	98.27%
Auxiliary Consumption (%)	1.96%	3.04%	1.56%	2.41%	1.55%	2.23%	1.55%
Net Generation (MUs)	629.24	617.47	861.35	928.66	885.07	875.32	880.14

Particular	FY 2015-16		FY 201	6-17	FY 2017-18		FY 2018-19	FY 2019-20
	Approved	Actual	Approved	Actual	Approved	Estimated	Projected	Projected
Unit 4 to 7 and Hydro	187.99	187.41	152.74	87.60	174.26	66.48	91.15	27.50
Unit 8	18.06	26.41	1.14	10.81	0.00	0.53	1.79	0.00
HO & SS Allocation	-	5.03	-	5.71	-	0.00	0.00	0.00
Total	206.05	218.85	153.88	104.11	174.26	67.02	92.93	27.50
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# Table 10: Greec Calerific Value and Eugl Bridge

Particular	FY 20	15-16	FY 20	FY 2016-17		FY 2017-18		FY 2019-20
	Approved	Actual	Approved	Actual	Approved	Estimated	Projected	Projected
Calorific Value								
APM Gas (kcal/kg)	13127	13127	13127	13165	13157	13127	13126	13126
Non - APM Gas (kcal/kg)	13162	13162	13162	13168	13163	13168	13027	13027
RLNG (kcal/kg)	13162	13010	13162	13046	13085	13027	13027	13027
Coal (Kcal/kg)	4828	4828	4828	4817	4888	4726	4884	4884
Oil (Kcal/Kg)	10462	10459	10462	10442	10459	10365	10328	10328
Fuel Price								
APM Gas (Rs./MT)	15761	15761	15761	10843	14857	10041	10296	10296
Non - APM Gas (Rs./MT)	16046	16028	16046	11663	15217	9813	10296	10296
RLNG (Rs./MT)	36388	36089	36388	32608	28526	38606	38924	38924
Coal (Rs./MT)	4978	4978	4978	5419	5003	6270	6068	6068
Oil (Rs./MT)	50651	51346	50651	53941	51605	54123	53601	53601
Total Fuel Cost (Rs. Cr	ores)	1694.60		1602.66		1788.68	1728.04	1733.75

2) Projections for FY 2018-19 and FY 2019-20 are computed as per the MYT Regulations, 2015

### Table 11: Truing-up for FY 2015-16 & FY 2016-17 and Provisional Truing-up for FY 2017-18 Thermal and Hydro (Rs. Crore)

S. No.	Particulars	FY 20	15-16	FY 20	16-17	FY 2017-18		
		Approved	Actual	Approved	Actual	Approved	Estimated	
Α	Expenditure							
1	Total Fuel Related Expenses	1242.97	1254.48	NA	1082.34	NA	1245.34	
2	Auxiliary Benefit	NA	0.30	NA	0.04	NA	0.00	
3	Operation & Maintenance Expenses	503.08	484.18	510.44	510.99	525.27	515.99	
4	Depreciation	141.17	140.36	146.59	151.35	149.94	151.38	
5	Interest on Long-term Loan Capital	79.36	79.18	76.66	68.53	72.97	56.90	
6	Interest on Working Capital	55.29	71.49	33.69	41.75	34.20	33.44	
7	Other Expenses	0.00	0.73	0.00	0.45	0.00	0.00	
8	Income Tax	98.89	111.74	98.89	129.27	98.89	129.27	
9	Add: Colony Consumption of Hydro	-	0.72	NA	NA	NA	NA	
В	Total Revenue Expenditure	2120.76	2143.17	863.34	1984.72	881.27	2132.33	
10	Add: Return on Equity	235.21	235.21	247.50	245.61	255.10	244.53	
С	Aggregate Revenue Requirement	2355.97	2378.38	1110.84	2230.34	1136.37	2376.86	
11	Add: Incentive (PLF, Hydro Incentive)	NA	26.52	NA	51.45	-	-	
12	Less : Unallocated fixed cost portion of Unit 4	12.75	12.63	12.00	12.20	11.56	12.20	
13	Less : Allocation from Unit 8 for Shared Capacity	12.50	12.50	12.50	12.50	12.50	12.50	
D	Net Aggregate Revenue Requirement	2330.76	2379.77	1086.41	2257.08	1112.31	2352.15	
E	Revenue							
4	Revenue from sale of electricity	2351.97	2351.33	-	2232.92	-	2415.59	
5	Non - Tariff Income	16.73	16.43	16.73	25.62	16.73	25.62	
F	Total Revenue	2368.70	2367.77	NA	2258.53	NA	2441.21	
G	Revenue Gap/(Surplus) = (D-F)	-37.98	12.00	NA	-1.45	NA	-89.06	

## Table 12: Truing-up for FY 2015-16, FY 2016-17 and Provisional Truing-up for FY 2017-18 for Unit 8 (Rs. Crore)

S. No.	Particulars	FY 201	FY 2015-16		6-17	FY 2017-18		
		Approved	Actual	Approved	Actual	Approved	Estimated	
Α	Expenditure							
1	Total Fuel Related Expenses	448.38	471.08	0.00	496.98	0.00	543.34	
2	Auxiliary Benefit	0.00	8.70	0.00	4.05	0.00	0.00	
3	Operation & Maintenance Expenses	46.25	51.75	59.50	64.42	62.48	62.48	
4	Depreciation	64.46	60.93	65.29	61.41	65.19	61.73	
5	Interest on Long-term Loan Capital	56.61	58.86	50.16	50.81	42.98	44.83	
6	Interest on Working Capital	15.34	15.62	10.78	13.34	10.79	10.53	
7	Other Expenses	0.00	0.72	0.00	0.57	0.00	0.00	
8	Income Tax	24.49	18.30	24.49	21.08	24.49	21.08	
В	Total Revenue Expenditure	655.54	685.97	205.98	712.67	205.92	743.99	
9	Add: Return on Equity	53.19	54.29	54.06	55.82	54.08	56.11	
С	Aggregate Revenue Requirement	708.73	740.26	260.04	768.49	260.01	800.10	
10	Add: Incentive (PLF, Hydro Incentive)	0.00	3.36	-	0.07	-	0.00	
11	Add: Expenditure towards shared capacity of Unit 4 to 7	12.50	12.50	12.50	12.50	12.50	12.50	
D	Net Aggregate Revenue Requirement	721.23	756.12	272.54	781.06	272.51	812.60	
E	Revenue							
12	Revenue from sale of electricity	760.30	760.14	NA	805.25	NA	888.27	
13	Non -Tariff Income	2.26	2.90	2.26	0.48	2.26	0.48	
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763.04

6.91

762.56

-41.33

**Total Revenue** 

Revenue Gap/(Surplus) =

805.73

-24.67

NA

NA

NA

NA

-76.16 Cont. Pg. 2

888.75

The Power Purchase Agreements of Tata Power-G are valid till 31st March, 2019. Post that i.e. for FY 2019-20, Tata Power-G currently has proposal for tie up of Thermal Generating - Unit 7 (180 MW) and Unit 8 (250 MW) and Hydro Generating Stations Bhivpuri (75 MW) and

Khopoli(72MW)underSection62oftheElectricityAct, 2003.Accordingly, thetariff forFY2019-20isbeingproposedfortheseUnits.
Table 13: Projections for ARR for Thermal Units and Hydro (Rs. Crore)

S. No.	Particulars	FY 2018-19		FY 2019-20	
Α	Expenditure		Unit 7	Bhivpuri	Khopoli
1	Total Fuel Related Expenses	-	-	0.00	0.00
2	Operation & Maintenance Expenses	537.55	60.57	28.33	48.01
3	Depreciation	154.12	16.50	15.26	21.74
4	Interest on Long-term Loan Capital	47.07	12.93	0.00	0.00
5	Interest on Working Capital	32.87	3.82	1.01	1.54
6	Other Expense	0.00	0.00	0.00	0.00
7	Income Tax	129.27	30.26	10.99	13.68
8	Add: Colony Consumption of Hydro				
В	Total Expenditure	900.89	124.08	55.59	84.97
9	Add: Return on Equity	248.19	57.78	20.99	26.12
С	Aggregate Revenue Requirement	1149.08	181.86	76.58	111.09
10	Less : Unallocated fixed cost portion of Unit 4	12.35	0.00	0.00	0.00
11	Less : Allocation from Unit 8 for Shared Capacity	12.50	4.54	0.00	0.00
12	Less : Non Tariff Income	25.62	6.14	2.04	3.09
D	Net Aggregate Revenue Requirement	1098.61	171.18	74.54	108.00

Table 14: Projections for APP for Unit 9 (Pc. Crore)

S. No.	Particulars	FY 2018-19	FY 2019-20
Α	Expenditure		
1	Total Fuel Related Expenses	0.00	0.00
2	Operation & Maintenance Expenses	65.60	68.88
3	Depreciation	61.79	61.84
4	Interest on Long-term Loan Capital	38.44	32.03
5	Interest on Working Capital	10.19	10.23
6	Other Expense	0.00	0.00
7	Income Tax	21.08	21.08
8	Add: Colony Consumption of Hydro		
В	Total Expenditure	197.11	194.17
9	Add: Return on Equity	56.16	56.21
С	Aggregate Revenue Requirement	253.27	250.37
10	Add: Expenditure towards shared capacity of Unit 4 to 7	12.50	37.50
11	Less : Non Tariff Income	0.48	0.48
D	Net Aggregate Revenue Requirement	265.29	287.40

- a. Executive Summary of the Petition (free of cost, in Marathi or English).
- b. Detailed Petition documents along with CD (in English) (on payment of Rs.150 by Cash/ DD/Cheque) drawn on "The Tata Power Company
- Limited". Pavable at Mumbai. c. Detailed Petition documents (in English) (on payment of Rs. 100/-).

Office	Address	Telephone	Email ld
Fort Office	Mr. Gaurav Lodha, The Tata Power Company Ltd, 2nd floor, Fort House, D N Road, Fort, , Mumbai 400 001	(91 22) 6717 1055	gaurav.lodha@tatapower.com
Head Office	Mr. S A Desai, The Tata Power Company Limited, Corporate Finance & Accounts, 'B' Block, 5th Floor, Carnac Receiving Station, 34 Sant Tukaram Road, Carnac Bunder, Mumbai 400 009	(91 22) 6717 1540	sdesai@tatapower.com
Dharavi	Mrs. A. Shinde, The Tata Power Company Ltd., Near Shalimar Indl. Estate, Matunga (West), Mumbai 400 019.	(91 22) 6717 2081	apurva.shinde@tatapower.com
Borivali	Mr. Nilesh Kekane, The Tata Power Company Ltd., Borivali Receiving Station, Tata Power House Road, Borivali East Mumbai 4000 66.	(91 22) 6717 3524	nileshkekane@tatapower.com

#### Table 15: Past Gap to be Recovered (Rs. Crore)

S. No.	Particulars	BEST	Tata Power-D	RInfra-D	Total
1	Gap / (Surplus) of Trombay Station & Hydro for FY 2015-16	6.14	5.86	0.00	12.00
2	Gap / (Surplus) of Unit 6 based on Revenue Billed as per MTR petition for Unit 6 generation based on MSLDC directions	6.58	8.62	9.64	24.84
3	Entry Tax amount to be recovered pertaining to past period	40.85	43.97	12.53	97.35
4	Gap / (Surplus) of Unit 8 for FY 2015-16	-2.77	-4.15	0.00	-6.91
Α	Total Gap / (Surplus) for FY 2015-16	50.81	54.30	22.17	127.28
В	Total Gap / (Surplus) for FY 2015-16 including Carrying Cost -I	84.81	94.13	6.56	185.50
5	Gap / (Surplus) of Trombay Station & Hydro for FY 2016-17	-0.74	-0.71	0.00	-1.45
6	Gap / (Surplus) of Trombay Unit 8 for FY 2016-17	-9.87	-14.80	0.00	-24.67
7	Entry Tax amount to be recovered pertaining to past period	19.03	19.63	0.00	38.66
С	Total Gap /(Surplus) for FY 2016-17	8.42	4.12	0.00	12.54
D	Total Gap / (Surplus) for FY 2016-17 including Carrying Cost -II	9.65	4.72	0.00	14.37
8	Gap / (Surplus) of Trombay Station & Hydro for FY 2017-18	-45.57	-43.49	0.00	-89.06
9	Gap / (Surp lus) of Trombay Unit 8 for FY 2017-18	-30.46	-45.70	0.00	-76.16
10	Entry Tax amount to be recovered pertaining to past period	10.37	10.71	0.00	21.08
E	Total Gap /(Surplus) for FY 2017-18 -III	-65.67	-78.47	0.00	-144.1
11	Custom Duty Impact including Carrying Cost for Unit 4 to 7 & Hydro	72.58	20.69	0.00	93.27
12	Custom Duty Impact including Carrying Cost for Unit 8	27.91	12.51	0.00	40.42
F	Custom Duty Impact including Carrying Cost-IV	100.49	33.20	0.00	133.6
G	Impact of Capitalisation towards reinstatement of U8 asset - V	0.84	1.27	0.00	2.11
Н	Total Past Recovery to be Recovered I to V	130.13	54.85	6.56	191.53

#Note: TPC-G has sought the approval of the Hon'ble Commission for immediate recovery, i.e., within one month from the date of the Order, of the Gap from the Distribution Utilities. In case, approval is for recovery in instalments, then appropriate interests for the delayed recovery is sought to be made applicable as done in the previous Tariff Orders.

Table 16: Unit Wise Tariff Proposal (Fixed Cost in Rs. Crore and Variable Cost in Rs./kWh)

Particulars	Fixed Cost (Rs. Crore)		Energy Charge (Rs./kWh)		
	FY 2018-19	FY 2019-20	Fuel	FY 2018-19	FY 2019-20
			APM	2.12	
Unit-5	470.10	-	Oil	14.03	-
			Coal	3.38	
	474.05	171.18	APM	1.64	1.64
Unit-7	171.25		RLNG	6.26	6.27
11-4-0	005.00	007.40	Coal	3.34	3.34
Unit-8	265.29	287.40	Oil	0.03	0.03
Bhivpuri	72.62	74.54	-	1.89	1.94
Khopoli	104.96	108.00	-	3.02	3.11
Bhira	113.55	-	-	0.77	-

- 6. The Commission has directed Tata Power-G to invite Suggestions/Objections from the Public on its Petition through this Notice. Suggestions/Objections may be submitted in English or in Marathi, in six (1+5) copies, to the {Secretary, Maharashtra Electricity Regulatory Commission, 13th Floor, Centre No.1, World Trade Centre, Cuffe Parade, Mumbai-400 005, or by Fax or E-mail [Fax: 022 22163976, Email Id: mercindia@merc.gov.in} by Tuesday,17July,2018 along with proof of service on Tata Power-G [Shri Bhaskar.Sarkar (Chief Regulatory, The Tata Power Company Ltd., Backbay Receiving Station, 148 Lt. Gen J Bhonsale Marg, Nariman Point Mumbai 4000 21, email: bhaskarsarkar@tatapower.com, Tel: (91 22) 6717 2901)] and should carry the full name, postal address and E-mail address, if any, of the sender. It should be indicated whether the Suggestion/Objection is being filed on behalf of any organization or category of consumers. It should also be mentioned if the sender wants to be heard in person, in which case opportunity would be given by the Commission at the Public Hearing to be held at the Office of the Commission, 13th Floor, Centre No. 1, World Trade Centre, Cuffe Parade, Colaba, Mumbai-400005 on Thursday, 26 July,2018 at 10:00 Hrs, for which no separate notice will be given.
- 7. Tata Power-G shall reply to each of the Suggestions/ Objections received within three days of its receipt, but not later than Friday, 20 July, 2018 for all the Suggestions/Objections received till Tuesday,17July, 2018. Rejoinders may be submitted on the replies provided by Tata Power-G either during the Public Hearing or by Monday, 30 July, 2018.
- 8. The detailed Petition document and the Executive Summary are available on Tata Power-G's website  $\underline{\text{https://www.tatapower.com/corporate/regulatory/regulatory-mumbai.aspx}} \text{ and the Executive Summary is also available on the websites of the temperature of the summary is also available on the websites of the temperature of the temper$  $Commission \underline{(www.mercindia.org.in}/\underline{www.merc.gov.in}) \ \ in \ download able \ format \ (free \ of \ cost).$

Place: Mumbai Dated : 26th June, 2018

Sd/-(Bhaskar Sarkar) **Chief Regulatory** The Tata Power Company Limited