



True Up of FY 2017-18 and Determination of Tariff for FY 2019-20 for GSECL Stations

- I. In terms of sections 61, 62, 64 and 86 of the Electricity Act, 2003 the tariff for the generation and sale of electricity by Gujarat State Electricity Corporation Limited ("GSECL") to Gujarat Urja Vikas Nigam Limited ("GUVNL") is regulated by the State Commission.
- II. Accordingly GSECL has filed its Petition No. **1756/2018** for True Up of FY 2017-18 and Determination of Tariff for FY 2019-20 for GSECL Stations under MYT Regulations, 2016 and Section 62 of the Electricity Act, 2003.
- III. **Salient features of the Petition:**
- IV. The salient features of the GSECL Petition No. **1756/2018** are summarized in the table below:

TABLE 1: SUMMARY OF TRUE-UP & ARR DETAILS FOR GSECL PLANTS

Sr. No	Particulars	Units	FY 2017-18 (Actual)	FY 2019-20 (Projection)
1	Installed Capacity	MW	5540.74*	6340.74
2	Net Generation in Mus	MUs	21526.18	27584.42

* UTPS #1 & 2 i.e. 2 X 120MW & STPS #1 & 2 i.e. 2 X 120 MW=Total 480 MW decommissioned during 2017-18

The key assumptions are summarized as below:

- 1.1.1 True up for FY 2017-18 of existing plants is being done in accordance with the MYT Regulations, also 3rd Control Period from FY 2016-17 to FY 2020-21, and Determination of Tariff for FY 2019-20 for GSECL Stations under MYT Regulations, 2016 and Gain and Loss and net Entitlement has been worked out accordingly.
- 1.1.2 Net Entitlement on account of Controllable and Uncontrollable factors to be passed through shown as below.

TABLE-2: Net entitlement for FY 2017-18

Rs. Crores				
Sr. No.	Power Station	Gain/(Losses) due to controllable factor	Gain/(Losses) due to uncontrollable factor	Total Gain/(losses) to be passed through
a	b	c	d	e = c/3 + d
1	Ukai (3-5)	72.09	41.67	65.70
2	Gandhinagar (3-4)	(10.92)	(12.95)	(16.59)
3	Gandhinagr 5*	-	(5.10)	(5.10)
4	Wanakbori 1-6 TPS	49.02	(25.27)	(8.93)
5	Wanakbori 7*	-	(3.42)	(3.42)
6	Sikka TPS	-	-	-
7	Sikka Extension (3-4)*	-	(10.21)	(10.21)
8	KLTPS 1-3	(18.62)	21.00	14.79
9	KLTPS 4	(2.22)	1.04	0.30
10	Dhuvaran CCPP 1*	-	(2.39)	(2.39)
11	Dhuvaran CCPP 2	(10.73)	(0.99)	(4.57)
12	Dhuvaran CCPP 3*	-	(5.22)	(5.22)
13	Utran Extension*	-	(6.34)	(6.34)
14	Ukai 6*	-	(7.71)	(7.71)
15	Ukai Hydro	7.39	(10.12)	(7.65)
16	Kadana Hydro	(6.11)	3.63	1.59
Total		79.90	(22.38)	4.26

* PPA governed Station



TABLE 3: FIXED & VARIABLE CHARGES FOR FY 2019-20

Sr. No.	Power Station	Projected Fixed Charges for FY 2019-20 (Crores)	Projected Variable Charges for FY 2019-20 (Rs/Kwh)
1	Ukai (3-5)	329.86	2.821
2	Gandhinagar (3-4)	192.52	3.308
3	Gandhinagar 5*	71.45	3.912
4	Wanakbori 1-6 TPS	556.49	3.269
5	Wanakbori 7*	62.68	3.093
6	Sikka TPS	0	0
7	Sikka Extension (3-4)*	602.27	2.425
8	KLTPS 1-3	242.7	1.496
9	KLTPS 4	101.16	1.469
10	Dhuvaran CCPP 1*	72.05	3.899
11	Dhuvaran CCPP 2	88.96	4.066
12	Dhuvaran CCPP 3*	298.18	2.256
13	Utran Gas*	0	0
14	Utran Extension*	239.83	4.345
15	Ukai 6*	502.94	2.516
16	Ukai Hydro	33.45	-
17	Kadana Hydro	70.09	-
18	Wanakbori 8 TPS*	899.02	2.941
Total		4,363.65	

* PPA Governed Station



The key operational/ performance parameters for the period under consideration are summarized in the table below:

TABLE 4: GSECL'S PERFORMANCE PARAMETERS

Sr. No.	Power Station	PAF (%)		Auxiliary Consumption (%)		Station Heat Rate (Kcal/Kwh)		Specific Fuel Oil Consumption (ml/Kwh)	
		FY 2017-18		FY 2017-18		FY 2017-18		FY 2017-18	
		Approved	GSECL (Actual)	Approved	GSECL (Actual)	Approved	GSECL (Actual)	Approved	GSECL (Actual)
1	Ukai (3-5)	80%	89.65%	9.00%	9.67%	2715	2589	1.00	1.32
2	Gandhinagar (3-4)	84%	93.37%	9.00%	10.59%	2625	2532	1.00	0.97
3	Gandhinagar 5*	85%	92.26%	9.50%	9.82%	2460	2503	3.50	0.37
4	Wanakbori 1-6 TPS	85%	86.95%	9.00%	9.09%	2625	2580	1.00	1.10
5	Wanakbori 7*	85%	100.00%	9.50%	9.07%	2460	2450	3.50	0.32
6	Sikka TPS	80%	-	11.00%	-	3003	-	3.00	-
7	Sikka Extension (3-4)*	85%	84.49%	9.00%	9.65%	2398	2507	1.00	1.27
8	KLTPS 1-3	75%	65.62%	12.00%	14.24%	3231	3231	3.00	8.45
9	KLTPS 4	80%	49.02%	12.00%	21.80%	3000	2968	3.00	4.35
10	Dhuvaran (Gas 1)*	85%	73.39%	4.00%	7.26%	1950	2122	-	-
11	Dhuvaran (Gas 2)	85%	83.16%	3.00%	5.33%	1950	2056	-	-
12	Dhuvaran CCPP (Gas 3)*	85%	83.19%	3.00%	26.02%	1850	3643	-	-
13	Utran Gas*	0%	-	0.00%	-	-	-	-	-
14	Utran Extension*	85%	90.18%	3.00%	6.04%	1850	1848	-	-
15	Ukai 6*	85%	74.94%	6.00%	5.94%	2385	2368	1.00	0.31
16	Ukai Hydro	80%	96.55%	0.60%	1.04%	-	-	-	-
17	Kadana Hydro	80%	91.98%	1.00%	0.87%	-	-	-	-

* PPA govern stations



UJZFT :8B . , §8E; 18L S15M1XG , 1D18D sÖ; §f GL 5FJZ :8KGGF GF6FSLI JQF"Z_! *v! (GF 8FV5 DF8# GF6FSLI JQF" Z_!)vZ_ DF8JLHNZ IGWFZLT SZJF AFATGL 5L8LXG S; GAZ !*5&qZ_! (G18SDFIJJZ6 o

sSf Ö; § , 1P GF 5FJZ :8XG EFZF pt5FNLT JLH/LGF4 UJZFT pÖ"1JSF; IGUD , 1P G1JRJF DF8GF JLHNZ IGI T SZJFG\VG\IGI DG SZJFG\SFD . , §8E; 18L V§84 Z_# GF ; §XG &! YL &\$ DHA UJZFT IJHIGI DG 5R EFZF SZJFDFVFEJ[KP

sBf V[DHA Ö; § , 1P V[UJZFT IJHIGI DG 5R ; D1F GF6FSLI JQF"GF6FSLI JQF"Z_! *v! (GF 8FV5 DF8# GF6FSLI JQF" Z_!)vZ_ DF8JLHNZ IGWFZLT SZJF AFATGL 5L8LXG S; GAZ !*5&qZ_! (GL TFP Z)P_#PZ_! & GF ZM; NZ 5R EFZF ÖZL SZFI; F cD<8L . 1 Z 8ZLO OPJS"Z1I; XG Z_! &vZ! c GL ÖUJF. CP/ ZH[SZ], KP VG[Ö; § , 1P äZF GF6FSLI JQF"Z_! &v! * YL Z_ Z_vZ! DF8JLHNZ IGWFZLT SZJF AFATGL D<8L . 1 Z 8ZLO 5L8LXG IGI+6 ; DI DF8[D<8L . 1 Z 8ZLO 5L8LXG SZ, CTL HG[UJZFT IJH IGI DG 5R EFZF TFP #! P_#PZ_! * GF D<8L . 1 Z 8ZLOGF CSDYL DHZ SZF. P

Ö; §GL V§1M , 50MDg; Z1j1]VZÖ GF DCtJGF D;FVMGLR[5PF6[KP

s3f V§1M , 50MDg; 5L8LXG S; GAZ !*5&qZ_! (VZÖG); 11F%T IJJZ6ov

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sRf VUti GF DpI D;FVMG]; 11F%T IJJZ6 GLR[DHA KP

1.1.1 GJF 5;YFI5T % , Fg8; GF GF6FSLI 38SM MYT Z1I; XG Z_! & 5PF6[U6], KP CF, DFÖV; . ; 1V, GF RF, TF JLH DYSMG]8FV5 Z_! *v! (VG[TCGM GOM VG[G\$XFG TYF Gß VG8F. 8, D;8 56 MYT Z1I; XG 5PF6[U6], KP

1.1.2 Sg8M, [A, TYF VGSg8M, [A, O§8; "EFZF UfCSMG[YT]Gß VG8F. 8, D;8o

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1.1.3 V5]0 8Z10 GF6FSLI JQFZ_!)vZ_ 5Z VFWZLT IOS:0 RF0^, GL IJUTMGLR[DHA KP

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