



True Up of FY 2016-17 and Determination of Tariff for FY 2018-19 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 UrjaVikas Nigam Limited ("GUVNL") is regulated by the State Commission.
- II. Accordingly GSECL has filed its Petition No. **1693/2017** for True Up of FY 2016-17 and Determination of Tariff for FY 2018-19 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. **1693/2017** are summarized in the table below:

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

Sr. No	Particulars	Units	FY 2016-17 (Actual)	FY 2018-19 (Projection)
1	Installed Capacity	MW	6393.74*	6338.74
2	Net Generation in Mus	MUs	14745.57	27903.84

*GTPS 2X120MW & UTRAN#1 135MW decommissioned during 2016-17

The key assumptions are summarized as below:

- 1.1.1 True up for FY 2016-17 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 2018-19 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 2016-17

Sr. No.	Power Station	Gain/(Losses) due to controllable factor	Gain/(Losses) due to uncontrollable factor	Fixed cost variation due to provisional and final approval of ARR	Fuel Cost variation due to provisional and final approval of ARR	Total Gain/(losses) to be passed through
a	b	c	d	e	f	e = c/3 + d + e + f
1	Ukai (1-5)	(3.68)	2.73	(17.39)	1.86	(14.03)
2	Gandhinagar (1-4)	1.60	(7.80)	28.59	13.34	34.66
3	Gandhinagar 5*	-	-	18.32	(2.38)	15.94
4	Wanakbori 1-6 TPS	(3.96)	(31.29)	12.78	-	(19.82)
5	Wanakbori 7*	-	-	30.71	(1.50)	29.21
6	Sikka TPS	(1.14)	(13.63)	(23.97)	0.24	(37.74)
7	Sikka Extension (3-4)*	-	-	(17.11)	-	(17.11)
8	KLTPS 1-3	(2.96)	(7.88)	(8.19)	4.40	(12.66)
9	KLTPS 4	(1.55)	(0.06)	9.96	-	9.39
10	Dhuvaran CAPP 1*	-	-	(12.28)	(0.19)	(12.47)
11	Dhuvaran CAPP 2	(1.77)	12.54	(14.69)	-	(2.74)
12	Dhuvaran CAPP 3*	-	-	-	-	-
13	Utran Gas*	-	-	3.62	-	3.62
14	Utran Extension*	-	-	9.58	-	9.58
15	Ukai 6*	-	-	48.87	-	48.87
16	Ukai Hydro	2.96	(4.65)	(14.83)	-	(18.50)
17	Kadana Hydro	0.74	(5.45)	(8.00)	-	(13.20)
Total		(9.75)	(55.49)	45.98	15.77	3.01

* PPA Governed Station



TABLE 3: FIXED & VARIABLE CHARGES FOR FY 2018-19

Sr. No.	Power Station	Projected Fixed Charges for FY 2018-19 (Crores)	Projected Variable Charges for FY 2018-19 (Rs/Kwh)
1	Ukai (1-5)	292.45	2.862
2	Gandhinagar (1-4)	191.46	3.308
3	Gandhinagar 5*	70.05	3.912
4	Wanakbori 1-6 TPS	519.57	3.269
5	Wanakbori 7*	61.52	3.093
6	Sikka TPS	0	0
7	Sikka Extension (3-4)*	614.65	2.425
8	KLTPS 1-3	235.38	1.496
9	KLTPS 4	103.31	1.469
10	Dhuvaran CCPP 1*	70.09	3.899
11	Dhuvaran CCPP 2	85.27	4.066
12	Dhuvaran CCPP 3*	302.19	2.256
13	Utran Gas*	0	0
14	Utran Extension*	243.36	4.345
15	Ukai 6*	511.75	2.516
16	Ukai Hydro	32.30	
17	Kadana Hydro	68.51	
Total		3,401.86	

** 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 2016-17		FY 2016-17		FY 2016-17		FY 2016-17	
		Approved	GSECL (Actual)	Approved	GSECL (Actual)	Approved	GSECL (Actual)	Approved	GSECL (Actual)
1	Ukai (1-5)	80%	49.88%	9.00%	9.92%	2750	2754	1.00	1.79
2	Gandhinagar (1-4)	84%	85.80%	9.50%	12.47%	2650	2576	1.25	2.94
3	Gandhinagar 5*	85%	98.13%	9.50%	9.83%	2460	2497	3.50	0.29
4	Wanakbori 1-6 TPS	85%	89.40%	9.00%	9.75%	2625	2661	1.00	2.13
5	Wanakbori 7*	85%	78.63%	9.50%	9.59%	2460	2489	3.50	1.42
6	Sikka TPS	80%	77.41%	11.00%	19.14%	3008	3084	3.00	17.83
7	Sikka Extension (3-4)*	85%	76.31%	9.00%	9.89%	2398	2746	1.00	2.75
8	KLTPS 1-3	75%	81.47%	12.00%	13.55%	3231	3214	3.00	5.88
9	KLTPS 4	80%	67.67%	12.00%	20.12%	3000	3035	3.00	1.78
10	Dhuvaran (Gas 1)*	85%	72.68%	4.00%	10.80%	1950	2132	-	-
11	Dhuvaran (Gas 2)	85%	82.68%	3.00%	6.90%	1950	2004	-	-
12	Dhuvaran CCPP (Gas 3)*	85%	0.00%	3.00%	0.00%	1850	-	-	-
13	Utran Gas*	85%	61.44%	2.90%	0.00%	2150	-	-	-
14	Utran Extension*	85%	98.48%	3.00%	7.45%	1850	1834	-	-
15	Ukai 6*	85%	86.85%	6.00%	5.86%	2385	2441	1.00	0.32
16	Ukai Hydro	80%	94.78%	0.60%	0.89%	-	-	-	-
17	Kadana Hydro	80%	94.05%	1.00%	0.95%	-	-	-	-

* PPA govern stations,



UHZFT :8B . , 88E; L8L S85N8KG , IDL8D s0; 8f GL 5FJZ :8KGGF GF6FSLI J0F"Z_! &v! * GF 8FV5 DF88 GF6FSLI J0F"Z_! (v!) DF8JLHNZ IGWFZLT SZJF AFATGL 5L8LXG S; GAZ !&)#q_! * G188DFIJJZ6 0

sSf 0; 8 , LP GF 5FJZ :8KG EFZF pt5FNLT JLH/LG4 UHZFT p0"UJSF; IGUD , LP GJ8R8F DF8GF JLHNZ IGI T SZJFGJVGIGI DG SZJFGJ8FD . , 88E; L8L V884 Z__# GF ; 8XG &! YL &\$ D8A UHZFT IJHIGI DG 5R EFZF SZJFDFV8FJ[KP

sBf V[D8A 0; 8 , LP V[UHZFT IJHIGI DG 5R ; D1F GF6FSLI J0F"GF6FSLI J0F"Z_! &v! * GF 8FV5 DF88 GF6FSLI J0F"Z_! (v!) DF8JLHNZ IGWFZLT SZJF AFATGL 5L8LXG S; GAZ !&)#q_! * GL TFF Z)P_#PZ_! & GF ZM; NZ 5R EFZF 0ZL SZFI; F cD<8L . I Z 8ZLO 0DJS"Z8I; 8G Z_! &vZ! c GL 0UJF. CP/ ZH[SZ; KP VG[0; 8 , LP 8FZF GF6FSLI J0F"Z_! &v! * YL Z_Z_vZ! DF8JLHNZ IGWFZLT SZJF AFATGL D<8L . I Z 8ZLO 5L8LXG IGI 86 ; DI DF8[D<8L . I Z 8ZLO 5L8LXG SZ; CTL H8[UHZFT IJH IGI DG 5R EFZF TFF #! P_#PZ_! * GF D<8L . I Z 8ZLOGF C8SDYL DHZ SZF. P

0; 8GL V8I8V , 50MDg; ZI8I]VZ0 GF DC8JGF D;FVMGLR[5DF6[KP

s3f V8I8V , 50MDg; 5L8LXG S; GAZ !&)#q_! * VZ0G; ; 11F%T IJJZ6ov

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sRf VU8I GF D8I D;FVMG; ; 11F%T IJJZ6 GLR[D8A KP

1.1.1 GJF 5;YFI5T % , Fg8; GF GF6FSLI 38SM MYT Z8I; 8G Z_! & 5DF6[U6; KP CF, DA 0V; . ; LV; GF RF, TF JLH DYSMG]8FV5 Z_! &v! * VG[8GMGOMVG[G8XFG TYF G8 V88F. 8, D88 56 MYT Z8I; 8G 5DF6[U6; KP

1.1.2 Sg8M, 8A, TYF VGSg8M, 8A, 088; "EFZF U8CSMG[YT]G8 V88F. 8, D880

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* PPA Governed Station, *5FJZ 5ZR8 VU]D88 s5L5LV8 V8WFZLT DYSM



1.1.3 V5j0 8Zl0 GF6fSLI JQFZ_! (v!) 5Z VFWZLT IOS:0 RF0' GI LJUTMGLR[DHA KP

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