



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 S88M88G , L8L8D s88; 8f GL 5FJZ :88GGF GF6FSLI J0F"Z_! &v! * GF 88V5 DF88 GF6FSLI J0F"Z_! (v!) DF88JLHNZ IGWFZLT SZJF AFATGL 5L8LXG S8; GAZ !&)#88_! * G888DFIJJZ6 0

sSf 88; 88 , LP GF 5FJZ :88G EFZF pt5FNLT JLH/LG4 UHZFT p88"UJ8F; IGUD , LP G88J88JF DF88GF JLHNZ IGI T SZJFG88V88IGI DG SZJFG88S8D . , 88E; L8L V8884 Z__# GF ; 88XG &! YL &\$ D88A UHZFT IJHIGI DG 5R EFZF SZJFDF88V88J88KP

sBf V88 D88A 88; 88 , LP V88 UHZFT IJHIGI DG 5R ; D1F GF6FSLI J0F"GF6FSLI J0F"Z_! &v! * GF 88V5 DF88 GF6FSLI J0F"Z_! (v!) DF88 JLHNZ IGWFZLT SZJF AFATGL 5L8LXG S8; GAZ !&)#88_! * GL T88 Z)P_#PZ_! & GF Z88 ; NZ 5R EFZF 88ZL SZF88; F cD<8L . I Z 88ZLO 088JS"Z88I88 , 88G Z_! &vZ! c GL 88UJ8F. C88/Z88I88SZ88, K88 V88G88; 88 , LP 88ZF GF6FSLI J0F"Z_! &v! * YL Z_88_vZ! DF88JLHNZ IGWFZLT SZJF AFATGL D<8L . I Z 88ZLO 5L8LXG IGI886 ; D1 DF88D<8L . I Z 88ZLO 5L8LXG SZ88, CTL H88G88UHZFT IJH IGI DG 5R EFZF T88 #! P_#PZ_! * GF D<8L . I Z 88ZLOGF C88SDYL DH88Z SZF. P

88; 88GL V88I88V , 5088Dg; Z88I88VZ88 GF D88C88J88F D88FVM88GL88588P88688KP

s3f V88I88V , 5088Dg; 5L8LXG S8; GAZ !&)#88_! * VZ888G88; 88F88T IJJZ688v

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sRf VU88I88 GF D88I88 D88FVM88G88; 88F88T IJJZ688 GL888D88A88 KP

1.1.1 G88J88 588Y88I88T88 % , F88g88; GF GF6FSLI 388SM88MYT88 Z88I88 , 88G Z_! & 588P88688[U88688, K88P88 CF, D88A8888V88; . ; LV88, GF88 RF, T88F88 JLH88 D88YS88M88888V88Z_! &v! * V88G88T88G88M88G88V88G8888X88F88 TY88F88 G888 V88G88F. 88, D8888 5688MYT88Z88I88 , 88G88 588P88688[U88688, K88P88

1.1.2 S88g88M88, 88A88, TY88F88 V88G88S88g88M88, 88A88, 08888; *EFZF88 U88F88C88S88M88G88Y88T88G8888 V88G88F. 88, D888880

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* PPA Governed Station, *5FJZ 5ZR88 V88U88D8888 885L88LV88F88 V88FW88ZLT88 D88YS88M88



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

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വിഷയം, വ്യക്തിഗത; 57818; "57 വാഴിട്ട ഡി ; 1178 1226 ഗിരീ സിന്ധവ്, ക

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* PPA govern stations, *572 52R8 1118 5151V8 1178 1226