



True Up of FY 2018-19 and Determination of Tariff for FY 2020-21 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. **1836/2019** for True Up of FY 2018-19 and Determination of Tariff for FY 2020-21 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. **1836/2019** are summarized in the table below:

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

Sr. No	Particulars	Units	FY 2018-19 (Actual)	FY 2020-21 (Projection)
1	Installed Capacity	MW	6115.74	6915.74
2	Net Generation in Mus	MUs	22809.27	30326.31

The key assumptions are summarized as below:

- 1.1.1 True up for FY 2018-19 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 2020-21 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 2018-19

Sr. No.	Power Station	Gain/(Losses) due to controllable factor	Gain/(Losses) due to uncontrollable factor	Rs. Crores
				Total Gain/(losses) to be passed through
a	b	c	d	e = c/3 + d
1	Ukai (3-5)	7.53	38.67	41.18
2	Gandhinagar (3-4)	(12.77)	(16.43)	(20.69)
3	Gandhinagr 5*	-	(6.66)	(6.66)
4	Wanakbori 1-6 TPS	112.30	(41.71)	(4.28)
5	Wanakbori 7*	-	(3.17)	(3.17)
6	Sikka Extension (3-4)*	-	(8.09)	(8.09)
7	KLTPS 1-3	(63.99)	22.28	0.95
8	KLTPS 4	(1.18)	(0.65)	(1.04)
9	Dhuvaran CCPP 1*	-	(2.90)	(2.90)
10	Dhuvaran CCPP 2	(9.92)	1.45	(1.85)
11	Dhuvaran CCPP 3*	-	0.49	0.49
12	Utran Extension*	-	(3.57)	(3.57)
13	Ukai 6*	-	(8.97)	(8.97)
14	Ukai Hydro	11.23	(6.56)	(2.81)
15	Kadana Hydro	3.77	5.87	7.13
Total		46.98	(29.94)	(14.28)

* PPA governed Station



TABLE 3: FIXED & VARIABLE CHARGES FOR FY 2020-21

Sr. No.	Power Station	Projected Fixed Charges for FY 2020-21 (Crores)	Projected Variable Charges for FY 2020-21 (Rs/Kwh)
1	Ukai (3-5)	357.81	2.768
2	Gandhinagar (3-4)	196.33	3.308
3	Gandhinagar 5*	72.86	3.912
4	Wanakbori 1-6 TPS	573.49	3.238
5	Wanakbori 7*	63.85	3.093
6	Sikka Extension (3-4)*	591.84	2.425
7	KLTPS 1-3	250.32	1.496
8	KLTPS 4	99.38	1.469
9	Dhuvaran CCPP 1*	74.10	3.899
10	Dhuvaran CCPP 2	94.65	4.066
11	Dhuvaran CCPP 3*	295.11	2.256
12	Utran Extension*	236.81	4.345
13	Ukai 6*	495.54	2.516
14	Ukai Hydro	34.69	-
15	Kadana Hydro	71.76	-
16	Wanakbori 8 TPS*	884.72	2.941
Total		4,393.24	

** 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 2018-19		FY 2018-19		FY 2018-19		FY 2018-19	
		Approved	GSECL (Actual)	Approved	GSECL (Actual)	Approved	GSECL (Actual)	Approved	GSECL (Actual)
1	Ukai (3-5)	80%	82.69%	9.00%	9.55%	2,625	2,529	1.00	1.01
2	Gandhinagar (3-4)	84%	87.59%	9.00%	10.56%	2,625	2,537	1.00	0.84
3	Gandhinagar 5*	85%	89.94%	9.50%	9.64%	2,460	2,504	3.50	0.46
4	Wanakbori 1-6 TPS	85%	89.26%	9.00%	9.11%	2,625	2,539	1.00	0.87
5	Wanakbori 7*	85%	90.05%	9.50%	9.17%	2,460	2,454	3.50	0.17
6	Sikka Extension (3-4)*	85%	90.19%	9.00%	9.49%	2,398	2,552	1.00	1.13
7	KLTPS 1-3	75%	46.01%	12.00%	15.47%	3,231	3,320	3.00	14.02
8	KLTPS 4	80%	44.47%	12.00%	22.74%	3,000	3,015	3.00	1.63
9	Dhuvaran (Gas 1)*	85%	35.91%	4.00%	7.35%	1,950	2,091	-	-
10	Dhuvaran (Gas 2)	85%	76.37%	3.00%	6.85%	1,950	2,143	-	-
11	Dhuvaran CCPP (Gas 3)*	85%	95.79%	3.00%	6.04%	1,850	1,849	-	-
12	Utran Extension*	85%	95.94%	3.00%	4.24%	1,850	1,771	-	-
13	Ukai 6*	85%	76.86%	6.00%	6.05%	2,385	2,323	1.00	0.26
14	Ukai Hydro	80%	97.92%	0.60%	1.19%	-	-	-	-
15	Kadana Hydro	80%	92.56%	1.00%	0.76%	-	-	-	-

* PPA govern stations



UHZFT :8B . , 88E; 18L 518MKG , 1818D s0; 8f GL 5FJZ :8KGGF GF6FSLI J0F"Z_! (v!) GF 8FV5 DF8# GF6FSLI J0F" Z_Z_vZ! DF8JLHNZ IGWFZLT SZJF AFATGL 5L8LXG S; GAZ ! (#&q_!) G18SDAIJJZ6 o

sSf 0; 8 , LP GF 5FJZ :8KGG EFZF pt5FNLT JLH/LGF4 UHZFT p0"1JSF; IGUD , LP G1JRJF DF8GF JLHNZ IGI T SZJFG\VG\IGI DG SZJFG\SFD . , 88E; 18L V884 Z__# GF ; 8XG &! YL &\$ DHA UHZFT IJHIGI DG 5R EFZF SZJFDFVFEJ[KP

sBf V[DHA 0; 8 , LP V[UHZFT IJHIGI DG 5R ; D1F GF6FSLI J0F"GF6FSLI J0F"Z_! (v!) GF 8FV5 DF8# GF6FSLI J0F" Z_Z_vZ! DF8JLHNZ IGWFZLT SZJF AFATGL 5L8LXG S; GAZ ! (#&q_!) GL TFF Z)P_#PZ_! & GF ZMH ; NZ 5R EFZF 0ZL SZFI ; F cD<8L . I Z 8ZLO 0DJS"Z1I , 8G Z_! &vZ! c GL 0UJF. CP/ ZHJSZ, 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 6 ; DI DF8D<8L . I Z 8ZLO 5L8LXG SZ, CTL HG[UHZFT IJH IGI DG 5R EFZF TFF #!P_#PZ_! * GF D<8L . I Z 8ZLOGF CSDYL DHZ SZF. P

0; 8GL V81M , 50MDg; Z1I]VZ0 GF DCLJGF D;FVMGLR[5PF6[KP

s3f V81M , 50MDg; 5L8LXG S; GAZ ! (#&q_!) VZ0G ; 11F%T IJJZ6ov

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

- 1.1.1 GJF 5;YFI5T % , Fg8; GF GF6FSLI 38SM MYT Z1I , 8G Z_! & 5DF6[U6, KP CF, DFOV; . ; LV, GF RF, TF JLH DYSMG]8FV5 Z_! (v!) VG[TFMGOM VG[G8XFG TYF GB VG8F. 8, D8 56 MYT Z1I , 8G 5DF6[U6, KP
- 1.1.2 Sg8M, A, TYF VGSg8M, A, 088; "EFZF UFCSMG[YT]GB VG8F. 8, D88o

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1.1.3 V5]0 8Z10 GF6FSLI JQFZ_Z_vZ! 5Z VFWFZLT IOS:0 RF0, GI IJUTMGR[DHA KP

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VI5ZKG, VG[5Z0NDj; 5ZFDL8; "5Z VFWZLT DpI ; 11F# IJZ6 GLRGF SIMFDANXFJ, KP

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