



True Up of FY 2019-20 and Determination of Tariff for FY 2021-22 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. **1908/2020** for True Up of FY 2019-20 and Determination of Tariff for FY 2021-22 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. **1908/2020** are summarized in the table below:

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

Sr. No	Particulars	Units	FY 2019-20 (Actual)	FY 2021-22 (Projection)
1	Installed Capacity	MW	6817	6677
2	Net Generation	Mus	18264.77	29915.43

The key assumptions are summarized as below:

- 1.1.1 True up for FY 2019-20 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 2021-22 for GSECL Stations under Suo-Motu Order No.07 of 2020 Dtd. 22.12.2020, 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/ (GAP) FOR FY 2019-20 (RS. CRORE)

Sr.No.	Power Station	Gains/(losses) due to controllable factors	Gains/(losses)		Total gains/(losses) to be passed through
			due to	due to	
a	b	c	uncontrollable factors	d	e= c/3 + d
1	Ukai (3-5)	(36.60)	85.00		72.80
2	Gandhinagar (3-4)	(20.09)	(22.60)		(29.30)
3	Gandhinagar 5*	-	-		-
4	Wanakbori 1-6 TPS	42.42	18.98		33.12
5	Wanakbori 7 TPS*	-	-		-
6	Sikka Extn. (3-4)*	-	-		-
7	KLTPS 1-3	(8.26)	27.11		24.36
8	KLTPS 4	(9.58)	3.79		0.60
9	BLTPS*	-	-		-
10	Dhuvaran CCPP 1*	-	-		-
11	Dhuvaran CCPP 2	(21.57)	16.37		9.18
12	Dhuvaran CCPP 3*	-	-		-
13	Utran Extension*	-	-		-
14	Ukai 6*	-	-		-
15	Wanakbori 8 TPS*	-	-		-
16	Ukai Hydro	7.70	(5.30)		(2.73)
17	Kadana Hydro	4.24	7.81		9.22
Total		(41.75)	131.16		117.24

* PPA governed stations



TABLE 3: FIXED & VARIABLE CHARGES FOR FY 2021-22

Sr. No.	Power Station	Projected Fixed Charges for	Projected Variable Charges for
		FY 2021-22 (Crores)	FY 2021-22 (Rs/Kwh)
1	Ukai (3-5)	269.88	3.73
2	Gandhinagar (3-4)	231.82	4.09
3	Gandhinagar 5*	84.45	3.97
4	Wanakbori 1-6 TPS	579.89	3.93
5	Wanakbori 7*	61.66	3.84
6	Sikka Extension (3-4)*	576.11	3.58
7	KLTPS 3	116.44	2.77
8	KLTPS 4	94.53	2.56
9	BLTPS *	670.21	2.88
10	Dhuvaran CCPP 1*	65.10	3.03
11	Dhuvaran CCPP 2	75.17	3.22
12	Dhuvaran CCPP 3*	304.11	3.57
13	Utran Extension*	237.53	3.64
14	Ukai 6*	495.59	3.26
15	Wanakbori 8 TPS*	837.91	3.36
16	Ukai Hydro	41.54	-
17	Kadana Hydro	65.66	-
Total		4807.61	

* 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 2019-20		FY 2019-20		FY 2019-20		FY 2019-20	
		Approved	GSECL (Actual)	Approved	GSECL (Actual)	Approved	GSECL (Actual)	Approved	GSECL (Actual)
1	Ukai (3-5)	80%	85.58%	9.00%	9.90%	2625	2596	1.00	1.32
2	Gandhinagar (3-4)	84%	94.41%	9.00%	12.75%	2625	2581	1.00	2.59
3	Gandhinagar 5*	85%	92.01%	9.50%	10.71%	2460	2538	3.50	0.83
4	Wanakbori 1-6 TPS	85%	93.94%	9.00%	9.90%	2575	2539	1.00	1.51
5	Wanakbori 7*	85%	98.00%	9.50%	9.92%	2460	2463	3.50	0.83
6	Sikka Extn. (3-4)*	85%	93.42%	9.00%	9.47%	2398	2479	1.00	1.25
7	KLTPS 1-3	75%	35.22%	12.00%	15.42%	3231	3303	3.00	9.21
8	KLTPS 4	80%	45.16%	12.00%	21.96%	3000	3121	3.00	2.61
9	BLTPS *	80%	12.80%	11.00%	23.97%	2623	3365	1.00	5.09
10	Dhuvaran CCPP 1*	85%	58.48%	4.00%	7.35%	1950	2138	-	-
11	Dhuvaran CCPP 2	85%	24.97%	3.00%	9.31%	1950	2156	-	-
12	Dhuvaran CCPP 3*	85%	68.06%	3.00%	4.36%	1850	1956	-	-
13	Utran Extension*	85%	91.13%	3.00%	3.96%	1850	1839	-	-
14	Ukai 6*	85%	83.34%	6.00%	6.42%	2385	2340	1.00	0.66
15	Wanakbori 8 TPS*	85%	28.71%	5.25%	8.81%	2248	2189	0.50	3.67
16	Ukai Hydro	80%	87.12%	0.60%	0.73%	-	-	-	-
17	Kadana Hydro	80%	88.92%	1.00%	0.65%	-	-	-	-

* PPA govern stations



UHZFT :8B . , 8e; l8L S15MKG , lD18D s0; 8f GL 5FJZ :8XGGF GF6FSLI J0F"Z !)v Z GF 8FV5 DF8 GF6FSLI J0F" Z_Z! vZZ DF8 JLNZ IGWFZLT SZJF AFATGL 5L8LXG S; GAZ !) (q Z G18SDAIJJZ6 o

sSf 0; 8 , lP GF 5FJZ :8XG EFZF pt5FNL T JH/LGF4 UHZFT p0"lJSF; IGUD , lP G[JRJF DF8GF JLNZ lG l T SZJFG\VG[lG l DG SZJFG\SFD . , 8e; l8L V884 Z_# GF ; 8XG &! YL &\$ DHA UHZFT lJHlG l DG 5R EFZF SZJF DAVFJ[KP

sBf V[DHA 0; 8 , lP V[UHZFT lJHlG l DG 5R ; D1F GF6FSLI J0F"GF6FSLI J0F"Z_!)v Z_GF 8FV5 DF8 TYF GF6FSLI J0F" Z_Z! vZZ DF8 JLNZ IGWFZLT SZJF AFATGL 5L8LXG S; GAZ !) (q Z GL TFP Z)P_#PZ_! & GF ZM ; NZ 5R EFZF 0ZL SZF l, F cD<8L . l Z 8ZLO 0DJS"Z l l, XG Z_! &vZ! c GL 0 l JF. CP/ ZHJSZ, KP

0; 8GL V8l M , 50MDg; Zlj l VZ0 GF DctJGF D;FVMGLR[5DF6[KP

s3f V8l M , 50MDg; 5L8LXG S; GAZ !) (q Z VZ0G) ; 11F%T lJJZ6ov

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sRf VUt l GF Dp l D;FVMG) ; 11F%T lJJZ6 GLR[DHA KP

1.1.1 GJF 5;YF15T % , Fg8; GF GF6FSLI 38SM MYT Z l l, XG Z_! & 5DF6[U6, KP CF, DAV0V; . ; lV, GF RF, TF JH DYSMG)8FV5 Z_!)v Z_ VG[TGMGOMVG[G8XFG TYF G8 V88F. 8, D8 56 MYT Z l l, XG 5DF6[U6, KPSg8M, A, TYF VGSg8M, A, 088; "EFZF UfCSMG[Vf5Jf 5F+ G8 V88F. 8, D80



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* 5FJZ 5ZRh VUjDj8 s5L5LVf VFWFZIT DYSM



1.1.2 **VFJ0 8ZL0 GF6FSLI JQFZ_Z! vZZ 5Z VFWZLT IOS:0 RF0⁴ GI LJUTMGR[D]HA KP**

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VMZKG, VG[5ZONd; 5ZFDL8; "5Z VFWZLT DpI ; 11P# IJZ6 GIRGf S0FDANXPJ, KP

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