### Gujarat State Electricity Corporation Ltd. MYT Petition, True-up Petition Formats - Generation

Sr. No.	Title	Reference
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5	Interest on Working Capital - Thermal Generation	Form 2.4
6	% Annual Availability of Generating Stations	Form 2.9
7	Summary of Operations and Maintenance Expenses	Form 3
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16	Interest Expenses	Form 6
17	Return on Regulatory Equity	Form 7
18	Non-Tariff Income	Form 8

#### **NOTE:**

- (1) Electronic copy in the form of CD containing excel sheets of the Forms shall also be furnished.
- (2) Figures in (-ve) must be shwon in Brackets- (... ) and figures in (+ve) must be shown without Bracket.

### Gujarat State Electricity Corporation Ltd. MYT Petition, True-up Petition Formats - Generation Form 1: Aggregate Revenue Requirement - Summary Sheet

			True	-Up Year (FY 201'	7-18)	
Sr. No.	Particulars	Reference	Tariff Order	April - March (Audited)	Deviation	Remarks
			(a)	<b>(b)</b>	(c) = (b) - (a)	
1	Fuel Related Expenses		46.58	52.96	6.38	
2	Operation & Maintenance Expenses	Form 3	18.60	14.79	(3.81)	
2.1	Water Charges	Form 3.A & 3.A.1	0.13	0.01	(0.12)	
3	Depreciation	Form 5	36.03	35.65	(0.38)	
4	Interest Expenses / Interest & Finance Charges on Loan Capital	Form 6	19.26	16.01	(3.25)	
5	Interest on Working Capital	Form 2.4	3.36	3.45	0.09	
6	Special allowance in lieu of Renovation & Modernisation*			-	-	
7	SLDC Fees and Charges		0.02	0.05	0.03	
8	Total Revenue Expenditure		123.98	122.92	(1.05)	
9	Add: Return on Equity	Form 7	29.20	28.76	(0.44)	
10	Add:Income Tax		0.43	1.46	1.03	
11	Less: Non-Tariff Income	Form 8	1.65	0.01	(1.64)	
12	Aggregate Revenue Requirement		151.96	153.13	1.18	

**Note**: \* - Wherever applicable

### Gujarat State Electricity Corporation Ltd. MYT Petition, True-up Petition Formats - Generation Form 1.1: Summary of Tariff Proposal

Sr. No.	Particulars	FY 2017-18 Actual	Remarks
1	Capacity (Fixed) Charges (in Rs. Crore)	100.18	
2	Energy Charge Rate ex-bus (Rs./kWh)	2.30	
a	Station/Unit 1 (pls mention name)		
b	Station/Unit 2 (pls mention name)		
С	Station/Unit 3 (pls mention name)		
	••••		
	••••		
3	Other Charges (Rs./kWh)		
a	Station/Unit 1 (pls mention name)		
b	Station/Unit 2 (pls mention name)		
С	Station/Unit 3 (pls mention name)		
	••••		

### Gujarat State Electricity Corporation Ltd. MYT Petition, True-up Petition Formats - Generation Form 2.1: Operational Parameters - Thermal Generation KLTPS 4

			True-	Up Year (FY2017-	18)	
Sr. No.	Particulars	Unit of Measurement	Tariff Order	April - March (Audited)	Deviation	Remarks
			(a)	(b)	(c) = (b) - (a)	
1	Total Capacity	MW	75.00	75.00		
2	Availability					
2.1	Target Availability for full recovery of AFC	%	80.00%	49.02%		
2.2	Projected Availability	%	-	-	-	
3	Plant Load Factor (PLF)					
3.1	Target PLF for Incentive	%	75.00%	44.73%		
3.2	Projected PLF	%	-	-	-	
4	Gross Generation					
4.1	Scheduled Generation	MU	493.00	293.86		
4.2	Projected Gross Generation	MU	-	2,3.00	-	
5	Auxiliary Consumption					
5.1	Normative Auxiliary Energy Consumption	%	12.00%	21.80%		
5.2	Projected Auxiliary Energy Consumption	%	-	-	-	
5.3	Projected Auxiliary Energy Consumption	MU	-	-	-	
5.4	Net Generation	MU				
6	Gross Station Heat Rate					
6.1	Normative Gross Station Heat Rate	kcal/kWh	3,000.00	2,968.20		
6.2	Projected Gross Station Heat Rate	kcal/kWh	5,000.00	2,700.20	-	
7	Secondary Fuel Oil Consumption					
7.1	Normative Secondary Fuel Oil Consumption	ml/kWh	3.00	4.35		
7.2	Projected Secondary Fuel Oil Consumption	ml/kWh	-	-	-	
8	Lime stone consumption					
0.1	Lignite based stations using CFBC Technology	1 4 77 71	27.4	27.4		
8.1	Normative	kg/kWh	NA	NA		
8.2	Projected	kg/kWh	-	-	-	
9	Transit and Handling Loss					
9.1	Normative Transit Loss	%	0.20%	0.20%		
9.2	Projected Transit Loss	%	-	-	-	
10	Gas Booster Consumption					
10.1	Normative	%	NA	NA		
10.2	Projected	%	-	-	-	

<sup>\*</sup> Figures must be as per norms approved in GERC (MYT) Regulations, 2016

Note: Operational data is to be submitted for each Unit of each station separately

### Gujarat State Electricity Corporation Ltd. MYT Petition, True-up Petition Formats - Generation Form 2.2: Energy Charges - Thermal Generation KLTPS 4

Sr. No.	Item	Derivation	Unit	True-Up Year (FY 2017-18)	Remarks
1	Total Capacity	A1	MW	75	
2	Actual PLF (for True up year) / Target PLF (for MYT Projection year)	A2	%	44.73%	
3	Gross Generation	A=A1 x A2 x 8760 or 8784 (leap year)	MUs	293.86	
4	Auxiliary Consumption	C	%	21.80%	
5	Auxiliary Consumption	В	MUs	64.07	
6	Net Generation	Y=A - B	MUs	229.79	
7	Station Heat Rate	D	Kcal/KWh	2,968.20	
8	Sp. Oil Consumption	E	ml/kWh	4.35	
9	Gross Calorific Value of Coal	F	kcal/kg	2,581.00	
10	Calorific value of Oil	G	kcal/I	10,260.78	
11	Overall Heat	H=A x D	G Cal	872,227.55	
12	Heat from Oil	I=(A x E x G)/1000	G Cal	13,114.43	
13	Heat from Coal	J=H-I	G Cal	859,113.12	
14	Transit losses	K	%	0.20%	
15	Coal Blend				
16	A) Indigenous Coal	X1	%		
17	B) Washed Coal	X2	%		
18	C) Imported Coal	X3	%		
19	Actual Oil Consumption	L=A x E	kl		
20	Actual Coal Consumption	M=(J X 1000)/F	MT		
21	A) Indigenous Coal	Q1=M* x X1/(1-K)	MT		
22	B) Washed Coal	Q2=M* x X2 / (1-K)	MT		
23	C) Imported Coal	Q3=M* X X3	MT		
24	Price of Coal				
25	A) Indigenous Coal	P1	Rs/MT		
26	B) Washed Coal	P2	Rs/MT		
27	C) Imported Coal	P3	Rs/MT		
	Price of lignite		Rs/MT	1,462.02	
28	Price of Oil	P4	Rs/kI	32,817.61	
29	Coal cost				
30	A) Indigenous Coal	N1=Q1 X P1	Rs Lakh		
31	B) Washed Coal	N2=Q2 X P2	Rs Lakh		
32	C) Imported Coal	N3=Q3 X P3	Rs Lakh		
33	Total Coal Cost	N4=N1+N2+N3	Rs Lakh	4,876.23	
34	Oil Cost	N5=P4 x L/10^5	Rs Lakh	419.45	
35	Other Charges (Please specify details)	N6	Rs Lakh		
36	Other Adjustments (Please specify details)	N7	Rs Lakh		
37	Total Fuel Cost	O=N4+N5+N6+N7	Rs Lakh	5,295.67	
38	Fuel Cost/Unit Gross	P=O/(A*10)	Rs/kWh	1.80	
39	Fuel Cost/Unit Net	Q=O/(Y*10)	Rs/kWh	2.30	
40	Cost of fuel/G.Cal	R=(O/H)*10^5	Rs/Gcal	51,610.79	
41	Actual Net Generation (for true up year only)	s	MUs	229.79	
42	Normative Fuel Cost for actual Net Generation (for true up year only)	T=S*Q/10	Rs. Crore	52.96	

<sup>\*</sup> Should be as per MYT Regulations. If there is any deviation, pls justify.

NOTE: Operational data is to be submitted for each Unit of each station separately

# Gujarat State Electricity Corporation Ltd. MYT Petition, True-up Petition Formats - Generation Form 2.4: Interest on Working Capital - Thermal Generation KLTPS 4

#### A. True-Up Year (FY 2017-18)

(Rs. Crore)

Sr.	Particulars	Norm	True-Up Year (	FY 2017-18.)	
No.	Particulars	Norm	Tariff Order	True-Up Petition	
1	Target Availability (%)		80%	49.02%	
2	Actual Generation (MU)		493.00	293.86	
3	Cost of Coal/Lignite <sup>1</sup>			7.27	
4	Cost of Oil <sup>2</sup>			NA	
5	Cost of Secondary Fuel Oil <sup>1</sup>			1.25	
6	Fuel Cost <sup>3</sup>			NA	
7	Liquid Fuel Stock <sup>3</sup>			NA	
8	O&M expenses			1.23	
9	Maintenance Spares			6.87	
10	Receivables			16.24	
11	Total Working Capital Requirement			32.86	
12	Computation of Working Capital Interest				
13	Interest Rate (%)			10.50%	
14	Interest on Working Capital		3.36	3.45	
15	Actual Working Capital Interest as per Audited Accounts		Not Applicable		

#### Note:

- 1 For Coal based/Lignite based generating stations
- 2 For Oil based generating stations
- 3 For Gas Turbine/Combined Cycle generating stations duly taking into account the mode of operation on gas fuel and liquid fuel
- 4 Submit this form for each station separately

### Gujarat State Electricity Corporation Ltd. MYT Petition, True-up Petition Formats - Generation Form 2.9: % Annual PAF & PLF of Generating Stations

#### **True-Up Year (FY 2017-18)**

Sr. No.	Generating Station	PAF	PLF
1	KLTPS 4	49.02%	44.73%

**Note:** This detail must be certified by SLDC.

## Gujarat State Electricity Corporation Ltd. MYT Petition, True-up Petition Formats - Generation Form 3: Operations and Maintenance Expenses Summary KLTPS 4

(Rs. Crore)

			True-Up Year (FY 2017-18)			MYT Control Period					
Sr. No.	Particulars	Reference	Tariff Order	April-March (Audited )	Deviation	FY 2016-17	FY 2017-18	FY 2018-19	FY 2019-20	FY 2020-21	Remarks
			(a)	<b>(b)</b>	(c) = (b) - (a)	Projected	Projected	Projected	Projected	Projected	
1	O&M Expenses	Form 3.1	18.60	14.79							
1.1	Employee Expenses	Form 3.2		6.99							
1.2	A&G Expenses	Form 3.3		1.45							
1.3	R&M Expenses	Form 3.4		6.34							
2	Less: O&M Expense capitalised										
3	Total Operation & Maintenance Expenses (Net of Capitalisation)		18.60	14.79	-3.81						

Note: This form should be submitted for each station separately alongwith separate details for H.O. Expenses

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#### Form 3.A: Water Charges for the True-Up Year (FY 2017-18)

Sr. No.	Name of Generating Station	Generation in MU	Water consumption in Cub.Mtr.		Rate of water in Rs./Cub.Mtr.	Amount of water charges in Rs. Crore	Tariff Order	April-March (Audited)	Deviation	Remarks
		(a)	<b>(b)</b>	(c)	( <b>d</b> )	(e)	<b>(f)</b>	(g)	(h) = (f) - (g)	
1	KLTPS 4	293.86					0.13	0.01	0.12	
									•	

#### MYT Petition, True-up Petition Formats - Generation Form 3.1: Normative O&M Expenses KLTPS 4

#### **A. For Existing Generating Stations**

(Rs. Crore)

		Approve	d O&M Expenses		3-Year Average	Normative*
Sr. No.	Particulars	FY 2012-13	FY 2013-14	FY 2014-15	5-1 ear Average	FY 2017-18
51.140.		(a)	(b)	(c)	(d)=[(a)+(b)+(c)]/3	(e)
1	Employee Expenses					
')	A&G Expenses (including insurance and excluding Water Charges)					
3	R & M Expenses					
4	Total O&M Expenses					18.61

Notes: This form should be submitted for each station separately along with separate details for H.O. Expenses

\$ Normative O&M expenses for each Year of the Control Period to be computed by escalating (e) by 5.72% year on year

\$\$ In case Projected O&M expenses for Control Period are different from Normative O&M expenses, then detailed justification should be provided

<sup>\*</sup> Normative O&M expenses for FY 2015-16 to be computed by escalating (d) by 5.72% twice

#### MYT Petition, True-up Petition Formats - Generation Form 3.2: Employee Expenses KLTPS 4

#### **Expenditure details**

(Rs. Crore)

		True-Up Year (FY 2017-18)					
Sr. No.	Particulars		April-March (Audited)				
Sr. No.	raruculars	Regulated Business	Non-regulated Business	Total (Audited)			
1	Basic Salary						
2	Dearness Allowance (DA)						
3	House Rent Allowance						
4	Conveyance Allowance						
5	Leave Travel Allowance						
6	Earned Leave Encashment						
7	Other Allowances						
8	Medical Reimbursement						
9	Overtime Payment						
10	Bonus/Ex-Gratia Payments						
11	Interim Relief / Wage Revision						
12	Staff welfare expenses						
13	VRS Expenses/Retrenchment Compensation						
14	Commission to Directors						
15	Training Expenses						
16	Payment under Workmen's Compensation Act						
17	Net Employee Costs						
18	Terminal Benefits						
18.1	Provident Fund Contribution						
18.2	Provision for PF Fund						
18.3	Pension Payments						
18.4	Gratuity Payment						
18.5	Incentive						
19	Others (Pls. specify)						
20	Gross Employee Expenses			6.99			
21	Less: Expenses Capitalised			-			
22	Net Employee Expenses			6.99			
23	<b>Total Gross Generation in MU</b>			293.86			
24	Employees Cost / Unit (22/23)			0.24			
25	No. of Employees						

Note: This form should be submitted for each station separately alongwith separate details for H.O. Expenses

## KLTPS 4 MYT Petition, True-up Petition Formats - Generation Form 3.3: Administration & General Expenses KLTPS 4

(Rs. Crore)

		(Rs. Crore True-Up Year (FY 2017-18)					
Sr.	Particulars		April-March (Audited)				
No.	i ai ucuai s	Regulated Business	Non-regulated Business	Total (Audited)			
1	Rent Rates & Taxes						
	Insurance						
	Telephone & Postage, etc.						
	Legal charges & Audit fee (Break-up as per separate Table in Form 3.3.1)						
	Professional, Consultancy, Technical fee						
	Conveyance & Travel						
	Electricity charges						
	Water charges						
9	Security arrangements						
	Fees & subscription						
	Books & periodicals						
	Computer Stationery						
13	Printing & Stationery						
14	Advertisements						
15	Purchase Related Advertisement Expenses						
	Contribution/Donations						
	License Fee and other related fee						
	Vehicle Running Expenses Truck / Delivery Van						
	Vehicle Hiring Expenses Truck / Delivery Van						
	Cost of services procured						
	Outsourcing of metering and billing system						
	Freight On Capital Equipments						
	V-sat, Internet and related charges						
	Training						
25	Bank Charges						
	Miscellaneous Expenses						
	Office Expenses						
	Others (Pls. specify)						
	Gross A &G Expenses			1.45			
	Less: Expenses Capitalised			=			
31	Net A &G Expenses			1.45			

Note: This form should be submitted for each station separately alongwith separate details for H.O. Expenses

# KLTPS 4 MYT Petition, True-up Petition Formats - Generation Form 3.4: Repair & Maintenance Expenses KLTPS 4

(Rs. Crore)

Sr. No.	Particulars	True-Up Year (FY 2017-18)
1	Plant & Machinery	
2	Buildings	
3	Civil Works	
4	Hydraulic Works	
5	Lines & Cable Networks	
6	Vehicles	
7	Furniture & Fixtures	
8	Office Equipment	
9	Gross R&M Expenses	6.34
10	Gross Fixed Assets at beginning of year	686.70
11	R&M Expenses as % of GFA at beginning of year	0.01

**Note:** This form should be submitted for each station separately

#### MYT Petition, True-up Petition Formats - Generation Form 4: Summary of Capital Expenditure and Capitalisation KLTPS 4

(Rs. Crore)

Sr. No.			MYT Con			
	Particulars	FY 2017-18	FY 2018-19	FY 2019-20	FY 2020-21	Remarks
		Projected	Projected	Projected	Projected	
1	Capital Expenditure					
2	Capitalisation	-				
3	IDC					
4	Capitalisation + IDC					

**Note**: Detail Justification shall be provided for variation in approved capital expenditure and capitalisation vis-a-vis actual capital expenditure and capitalisation. This form should be submitted for each station separately

#### MYT Petition, True-up Petition Formats - Generation Form 5: Assets & Depreciation (1 of 2) KLTPS 4

#### Fixed Assets and Depreciation (Station-wise) For True Up year and for each Year of MYT Control Period

(Rs. Crore)

	Gross Block			Depreciation				Annligable	Net Block		
Particulars *	As at the beginning of the Financial Year	Additions	Deductions	As at the end of the Financial Year	As at the beginning of the Financial Year	Additions	Deductions	As at the end of the Financial Year	Applicable rate of Depreciation (%) *	As at the beginning of the Financial Year	As at the end of the Financial Year
Land											
Buildings											
Hydraulic works											
Other Civil Works											
Plant & Machinery											
Lines & Cables											
Vehicles											
Furniture & Fixtures											
Office Equipments											
Capital Expenditure on Assets not belonging to utility											
Spare Units											
Capital Spares											
TOTAL	686.70	-	-	686.70		35.65			5.19%		

<sup>\*</sup> The particular of asset and rate of depreciation should match with those provided in the applicable Tariff Regulations
This form should be submitted for each station separately

## KLTPS 4 MYT Petition, True-up Petition Formats - Generation Form 6: Interest Expenses

#### A. Normative Loan

(Rs. Crore)

		True-Up Year (FY 2017-18)					
Sr. No.	Source of Loan	Tariff Order	April-March (Audited)	Deviation			
		(a)	<b>(b)</b>	(c) = (b) - (a)			
1	Opening Balance of Normative Loan		207.12				
2	Less: Reduction of Normative Loan due to retirement or replacement of assets						
3	Addition of Normative Loan due to capitalisation during the year		-				
4	Repayment of Normative loan during the year		35.65				
5	Closing Balance of Normative Loan		171.47				
6	Average Balance of Normative Loan		189.29				
7	Weighted average Rate of Interest on actual Loans (%)		8.11%				
8	Interest Expenses		15.35				
9	Finance Charges		0.67				
10	Total Interest & Finance Charges	19.26	16.01	(3.25)			

### KLTPS 4 MYT Petition, True-up Petition Formats - Generation Form 7: Return on Regulatory Equity

Sr. No.			True-Up Year (FY 2017-18)				
	Particulars	Legend	Norm	Tariff Order	Claimed in Petition		
1	Regulatory Equity at the beginning of the year	A			205.43		
2	Capitalisation during the year	В			-		
3	Equity portion of capitalisation during the year	С			-		
4	Reduction in Equity Capital on account of retirement / replacement of assets	D					
5	Regulatory Equity at the end of the year	E=A+C-D			205.43		
	Return on Equity Computation						
6	Return on Regulatory Equity at the beginning of the year	F					
7	Return on Regulatory Equity addition during the year	G=(C-D)/2					
8	Total Return on Equity			29.20	28.76		

# KLTPS 4 MYT Petition, True-up Petition Formats - Generation Form 8: Non-Tariff Income KLTPS 4

(Rs. Crore)

			True-			
Sr. No.	Particulars	Reference	MYT Order	April-March (Audited )	Deviation	Remarks
			(a)	(b)	(c) = (b) - (a)	
1	Income from Rents of land or buildings					
2	Income from Sale of Scrap					
3	Income from statutory investments					
4	Income from sale of ash/rejected coal					
5	Interest income on advances to suppliers/contractors					
6	Income from Rental from staff quarters					
7	Income from Rental from contractors					
8	Income from hire charges from contractors and others					
9	Income from advertisements, etc.					
10	Prior Period Income etc.					
11						
12						
	Others (Pls. specify)					
17	Total		1.65	28.76	27.11	

**Note:** This form should be submitted for each station separately