

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

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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 shown 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
Ukai Hydro

Sr. No.	Particulars	Reference	True-Up Year (FY 2016-17)			Remarks
			Tariff Order	April - March (Audited)	Deviation	
			(a)	(b)	(c) = (b) - (a)	
1	Fuel Related Expenses		-	-	-	
2	Operation & Maintenance Expenses	Form 3	18.08	15.12	(2.96)	
2.1	Water Charges	Form 3.A & 3.A.1	-	-	-	
3	Depreciation	Form 5	9.08	8.31	(0.77)	
4	Interest Expenses / Interest & Finance Charges on Loan Capital	Form 6	3.03	2.94	(0.09)	
5	Interest on Working Capital	Form 2.4	0.77	0.76	(0.01)	
6	Special allowance in lieu of Renovation & Modernisation*		-	-	-	
7	SLDC Fees and Charges		0.17	0.13	(0.04)	
8	Total Revenue Expenditure		31.13	27.27	(3.86)	
9	Add: Return on Equity	Form 7	10.41	10.41	0.00	
10	Add: Income Tax		1.73	5.09	3.36	
11	Less: Non-Tariff Income	Form 8	3.51	1.32	(2.19)	
12	Aggregate Revenue Requirement		39.76	41.45	1.69	

Note: * - Wherever applicable

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

Sr. No.	Particulars	FY 2016-17	Remarks
		Actual	
1	Capacity (Fixed) Charges (in Rs. Crore)	41.45	
2	Energy Charge Rate ex-bus (Rs./kWh)	-	
a	Station/Unit 1 (pls mention name)...		
b	Station/Unit 2 (pls mention name)...		
c	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)...		
c	Station/Unit 3 (pls mention name)...		
		
		

Gujarat State Electricity Corporation Ltd.
MYT Petition, True-up Petition Formats - Generation
Form 2.5: Operational Parameters - Hydro Generation
Ukai Hydro

Sr. No.	Particulars	Units	True-Up Year (FY 2016-17)		
			Tariff Order	April-March (Audited)	Deviation
			(a)	(b)	(c) = (b) - (a)
1	Operational Parameters				
1.1	Total Capacity	MW	305	305	
1.2	NAPAF	%	80%		
1.3	Actual/Projected Annual Plant Availability Factor	%		94.78%	
1.4	Design Energy	MU			
1.5	Gross Generation	MU		409.48	
1.6	Auxiliary Energy Consumption	%		0.89%	
1.7	Auxiliary Energy Consumption	MU		3.63	
1.8	Net Generation	MU		405.85	

Note: This form should be submitted for each station separately

Gujarat State Electricity Corporation Ltd.
MYT Petition, True-up Petition Formats - Generation
Form 2.6: Capacity Charge & Energy Charge Rate - Hydro Generation
Ukai Hydro

Sr. No.	Particulars	Legend	True-Up Year (FY2016-17)
			Tariff Order
1	Annual Fixed Cost for Hydel Generating Station (Rs. Crore)	a	39.76
2	NAPAF (%)	b	80%
3	Actual Availability (%)	c	94.78%
4	Capacity Charges (Rs. Crore)	$d=0.50*a*c/b$	
5	Design Energy (MU)	e	
6	Auxiliary Consumption (%)	f	
7	Net Design Energy (MU)	$g=e*(1-f)$	
8	Energy Charge Rate (Rs. kWh)	$h=0.50*10*a/g$	

Note: This form should be submitted for each station separately

Gujarat State Electricity Corporation Ltd.
MYT Petition, True-up Petition Formats - Generation
Form 2.7: Interest on Working Capital - Hydro Generation
Ukai Hydro

A. True-Up Year (FY 2016-17)

Sr. No.	Particulars	Norm	True-Up Year (FY 2016-17)		
			Tariff Order	Audited	True-Up Petition
1	O&M expenses				1.26
2	Maintenance Spares				1.75
3	Receivables				3.45
4	Total Working Capital requirement				6.47
5	Computation of working capital interest				
6	Interest Rate (%)				11.79%
7	Interest on Working Capital		0.77		0.76
8	Actual Working Capital Interest		Not Applicable		

Note: 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
Ukai Hydro

True-Up Year (FY 2016-17)

Sr. No.	Generating Station	PAF	PLF
1	Ukai Hydro	94.78%	15.33%

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
Ukai Hydro

(Rs. Crore)

Sr. No.	Particulars	Reference	True-Up Year (FY 2016-17)			MYT Control Period					Remarks
			Tariff Order	April-March (Audited)	Deviation	FY 2016-17	FY 2017-18	FY 2018-19	FY 2019-20	FY 2020-21	
			(a)	(b)	(c) = (b) - (a)	Projected	Projected	Projected	Projected	Projected	
1	O&M Expenses	Form 3.1	18.08	15.12							
1.1	Employee Expenses	Form 3.2		9.73							
1.2	A&G Expenses	Form 3.3		0.30							
1.3	R&M Expenses	Form 3.4		5.09							
2	Less: O&M Expense capitalised										
3	Total Operation & Maintenance Expenses (Net of Capitalisation)		18.08	15.12	-2.96						

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

Form 3.A: Water Charges for the True-Up Year (FY 2016-17)

Sr. No.	Name of Generating Station	Generation in MU	Water consumption in Cub.Mtr.	Water consumption in Cub.Mtr./MU	Rate of water in Rs./Cub.Mtr.	Amount of water charges in Rs. Crore	Tariff Order	April-March (Audited)	Deviation	Remarks
		(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h) = (f) - (g)	
1	Ukai Hydro	409.48					-	-	-	

Gujarat State Electricity Corporation Ltd.
MYT Petition, True-up Petition Formats - Generation
Form 3.1: Normative O&M Expenses
Ukai Hydro

A. For Existing Generating Stations

(Rs. Crore)

Sr. No.	Particulars	Approved O&M Expenses			3-Year Average	Normative*
		FY 2012-13	FY 2013-14	FY 2014-15		FY 2016-17
		(a)	(b)	(c)	(d)=[(a)+(b) +(c)]/3	(e)
1	Employee Expenses					
2	A&G Expenses (including insurance and excluding Water Charges)					
3	R & M Expenses					
4	Total O&M Expenses					18.08

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

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

\$ 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

Gujarat State Electricity Corporation Ltd.
MYT Petition, True-up Petition Formats - Generation
Form 3.2: Employee Expenses
Ukai Hydro

Expenditure details

(Rs. Crore)

Sr. No.	Particulars	True-Up Year (FY 2016-17)		
		April-March (Audited)		
		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			9.73
21	Less: Expenses Capitalised			-
22	Net Employee Expenses			9.73
23	Total Gross Generation in MU			409.48
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

Gujarat State Electricity Corporation Ltd.
MYT Petition, True-up Petition Formats - Generation
Form 3.3: Administration & General Expenses
Ukai Hydro

(Rs. Crore)

Sr. No.	Particulars	True-Up Year (FY 2016-17)		
		April-March (Audited)		
		Regulated Business	Non-regulated Business	Total (Audited)
1	Rent Rates & Taxes			
2	Insurance			
3	Telephone & Postage, etc.			
4	Legal charges & Audit fee (Break-up as per separate Table in Form 3.3.1)			
5	Professional, Consultancy, Technical fee			
6	Conveyance & Travel			
7	Electricity charges			
8	Water charges			
9	Security arrangements			
10	Fees & subscription			
11	Books & periodicals			
12	Computer Stationery			
13	Printing & Stationery			
14	Advertisements			
15	Purchase Related Advertisement Expenses			
16	Contribution/Donations			
17	License Fee and other related fee			
18	Vehicle Running Expenses Truck / Delivery Van			
19	Vehicle Hiring Expenses Truck / Delivery Van			
20	Cost of services procured			
21	Outsourcing of metering and billing system			
22	Freight On Capital Equipments			
23	V-sat, Internet and related charges			
24	Training			
25	Bank Charges			
26	Miscellaneous Expenses			
27	Office Expenses			
28	Others (Pls. specify)			
29	Gross A &G Expenses			0.30
30	Less: Expenses Capitalised			-
31	Net A &G Expenses			0.30

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

Gujarat State Electricity Corporation Ltd.
MYT Petition, True-up Petition Formats - Generation
Form 3.4: Repair & Maintenance Expenses
Ukai Hydro

(Rs. Crore)

Sr. No.	Particulars	True-Up Year (FY 2016-17)
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	5.09
10	Gross Fixed Assets at beginning of year	174.23
11	R&M Expenses as % of GFA at beginning of year	0.03

Note: This form should be submitted for each station separately

Gujarat State Electricity Corporation Ltd.
MYT Petition, True-up Petition Formats - Generation
Form 4: Summary of Capital Expenditure and Capitalisation
Ukai Hydro

(Rs. Crore)

Sr. No.	Particulars	MYT Control Period					Remarks
		FY 2016-17	FY 2017-18	FY 2018-19	FY 2019-20	FY 2020-21	
		Projected	Projected	Projected	Projected	Projected	
1	Capital Expenditure						
2	Capitalisation	1.22					
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

Gujarat State Electricity Corporation Ltd.
MYT Petition, True-up Petition Formats - Generation
Form 5: Assets & Depreciation (1 of 2)
Ukai Hydro

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

(Rs. Crore)

Particulars *	Gross Block				Depreciation				Applicable rate of Depreciation (%) *	Net Block	
	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		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	174.23	1.22	-	175.45		8.31			4.75%		

* 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

Form 5: Assets & Depreciation (2 of 2)

Fixed Assets and Depreciation (Company as a whole) For True Up year and for each Year of MYT Control Period

(Rs. Crore)

Particulars *	Gross Block				Depreciation				Applicable rate of Depreciation (%) *	Net Block	
	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		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											
Total as per Audited Account (for True up year only)	19,728.27	261.47	873.46	19,116.28		925.30			4.76%		

* The particular of asset and rate of depreciation should match with those provided in the applicable Tariff Regulations

Gujarat State Electricity Corporation Ltd.
MYT Petition, True-up Petition Formats - Generation
Form 6: Interest Expenses
Ukai Hydro

A. Normative Loan

(Rs. Crore)

Sr. No.	Source of Loan	True-Up Year (FY 2016-17)			Remarks
		Tariff Order	April-March (Audited)	Deviation	
		(a)	(b)	(c) = (b) - (a)	
1	Opening Balance of Normative Loan		34.99		
2	Less: Reduction of Normative Loan due to retirement or replacement of assets				
3	Addition of Normative Loan due to capitalisation during the year		0.86		
4	Repayment of Normative loan during the year		8.31		
5	Closing Balance of Normative Loan		27.54		
6	Average Balance of Normative Loan		31.26		
7	Weighted average Rate of Interest on actual Loans (%)		9.01%		
8	Interest Expenses		2.82		
9	Finance Charges		0.13		
10	Total Interest & Finance Charges	3.03	2.94	(0.09)	

Gujarat State Electricity Corporation Ltd.
MYT Petition, True-up Petition Formats - Generation
Form 7: Return on Regulatory Equity
Ukai Hydro

Sr. No.	Particulars	Legend	True-Up Year (FY 2016-17)		
			Norm	Tariff Order	Claimed in Petition
1	Regulatory Equity at the beginning of the year	A			74.19
2	Capitalisation during the year	B			1.22
3	Equity portion of capitalisation during the year	C			0.20
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			74.56
	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			10.41	10.41

Gujarat State Electricity Corporation Ltd.
MYT Petition, True-up Petition Formats - Generation
Form 8: Non-Tariff Income
Ukai Hydro

(Rs. Crore)

Sr. No.	Particulars	Reference	True-Up Year (FY 2016-17)			Remarks
			MYT Order	April-March (Audited)	Deviation	
			(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		3.51	1.32	-2.19	

Note: This form should be submitted for each station separately