

Gujarat State Electricity Corporation Ltd.
True up for FY 2020-21 and ARR Petition Formats for FY 2022-23- Generation

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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.
True up for FY 2020-21 and ARR Petition Formats for FY 2022-23- Generation
Form 1: Aggregate Revenue Requirement - Summary Sheet

Sr. No.	Particulars	Reference	True-Up Year (FY 2020-21)			FY 2022-23	Remarks
			Tariff Order	April - March (Audited)	Deviation	Projections	
			(a)	(b)	(c) = (b) - (a)		
1	Fuel Related Expenses		-	-	-	-	
2	Operation & Maintenance Expenses	Form 3	22.59	20.44	(2.15)	15.45	
2.1	Water Charges	Form 3.A & 3.A.1	-	-	-	-	
3	Depreciation	Form 5	-	2.31	2.31	2.41	
4	Interest Expenses / Interest & Finance Charges on Loan Capital	Form 6	2.53	2.38	(0.15)	2.48	
5	Interest on Working Capital	Form 2.7	0.76	0.61	(0.15)	0.62	
6	Special allowance in lieu of Renovation & Modernisation*			-	-		
7	SLDC Fees and Charges		0.17	0.20	0.03	0.20	
8	Total Revenue Expenditure		26.05	25.94	(0.11)	21.17	
9	Add: Return on Equity	Form 7	10.42	10.64	0.22	10.99	
10	Add: Income Tax		1.73	8.75	7.02	8.75	
11	Less: Non-Tariff Income	Form 8	3.51	0.25	(3.26)	0.25	
12	Aggregate Revenue Requirement		34.69	45.08	10.39	40.65	

Note: * - Wherever applicable

Gujarat State Electricity Corporation Ltd.
True up for FY 2020-21 and ARR Petition Formats for FY 2022-23- Generation
Form 1.1: Summary of Tariff Proposal

Sr. No.	Particulars	FY 2020-21	FY 2022-23	Remarks
		Actual	Projections	
1	Capacity (Fixed) Charges (in Rs. Crore)	45.08	40.65	
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.
True up for FY 2020-21 and ARR Petition Formats for FY 2022-23- Generation
Form 2.5: Operational Parameters - Hydro Generation
Ukai Hydro

Sr. No.	Particulars	Units	True-Up Year (FY 2020-21)			FY 2022-23
			Tariff Order	April-March (Audited)	Deviation	
			(a)	(b)	(c) = (b) - (a)	Projections
1	Operational Parameters					
1.1	Total Capacity	MW	305	305		305
1.2	NAPAF	%	80%			
1.3	Actual/Projected Annual Plant Availability Factor	%		77.22%		80.00%
1.4	Design Energy	MU				
1.5	Gross Generation	MU		688.98		347.33
1.6	Auxiliary Energy Consumption	%		0.75%		0.60%
1.7	Auxiliary Energy Consumption	MU		5.17		2.08
1.8	Net Generation	MU		683.82		345.25

Note: This form should be submitted for each station separately

Gujarat State Electricity Corporation Ltd.
True up for FY 2020-21 and ARR Petition Formats for FY 2022-23- Generation
Form 2.6: Capacity Charge & Energy Charge Rate - Hydro Generation
Ukai Hydro

Sr. No.	Particulars	Legend	True-Up Year (FY 2020-21)	FY 2022-23
			Actual	Projections
1	Annual Fixed Cost for Hydel Generating Station (Rs. Crore)	a	45.08	40.65
2	NAPAF (%)	b	80%	80.00%
3	Actual Availability (%)	c	77.22%	
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.
True up for FY 2020-21 and ARR Petition Formats for FY 2022-23- Generation
Form 2.7: Interest on Working Capital - Hydro Generation
Ukai Hydro

A. True-Up Year (FY 2020-21)

Sr. No.	Particulars	Norm	True-Up Year (FY 2020-21)		
			Tariff Order	Audited	True-Up Petition
1	O&M expenses				1.70
2	Maintenance Spares				1.80
3	Receivables				2.89
4	Total Working Capital requirement				6.40
5	Computation of working capital interest				
6	Interest Rate (%)				9.57%
7	Interest on Working Capital		0.76		0.61
8	Actual Working Capital Interest	Not Applicable			

Note: Submit this form for each station separately

B. FY 2022-23

Sr. No.	Particulars	Norms	FY 2022-23 (Projections)
1	O&M expenses for 1 month		1.29
2	Maintenance Spares @ 1% of historical cost		1.88
3	Receivables @ 1 month of fixed cost		3.39
4	Total Working Capital requirement		6.56
5	Computation of working capital interest		
6	Interest Rate (%)		9.50%
7	Interest on Working Capital		0.62

Note: Submit this form for each station separately

Ukai Hydro

Gujarat State Electricity Corporation Ltd.
True up for FY 2020-21 and ARR Petition Formats for FY 2022-23- Generation
Form 2.9: % Annual PAF & PLF of Generating Stations

True-Up Year (FY 2020-21)

Sr. No.	Generating Station	PAF	PLF
1	Ukai Hydro	77.22%	25.79%

Note: This detail must be certified by SLDC.

Gujarat State Electricity Corporation Ltd.
True up for FY 2020-21 and ARR Petition Formats for FY 2022-23- Generation
Form 3: Operations and Maintenance Expenses Summary
Ukai Hydro

(Rs. Crore)

Sr. No.	Particulars	Reference	True-Up Year (FY 2020-21)			FY 2022-23	Remarks
			Tariff Order	April-March (Audited)	Deviation		
			(a)	(b)	(c) = (b) - (a)		
1	O&M Expenses	Form 3.1	22.59	20.44		15.45	
1.1	Employee Expenses	Form 3.2		9.98			
1.2	A&G Expenses	Form 3.3		0.71			
1.3	R&M Expenses	Form 3.4		9.74			
2	Less: O&M Expense capitalised						
3	Total Operation & Maintenance Expenses (Net of Capitalisation)		22.59	20.44	-2.15	15.45	

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

Form 3.A.1: Water Charges for the Period FY 2022-23

Sr. No.	Name of Generating Station	Projected Gross Generation in MU
1	Ukai Hydro	347.33

Projected water consumption in Cub.Mtr. per MU	Projected rate of water in Rs./Cub.Mtr .	Projected cost of water consumption in Rs. Crore
		-

Ukai Hydro

True up for FY 2020-21 and ARR Petition Formats for FY 2022-23- Generation

Form 3.1: Normative O&M Expenses**Ukai Hydro****A. For Existing Generating Stations****(Rs. Crore)**

Sr. No.	Particulars	FY 2022-23		
		FY 2020-21	Normative	Projected
		(e)		
1	Employee Expenses			
2	A&G Expenses (including insurance and excluding Water Charges)			
3	R & M Expenses			
4	Total O&M Expenses	20.44	15.45	15.45

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

Gujarat State Electricity Corporation Ltd.
True up for FY 2020-21 and ARR Petition Formats for FY 2022-23- Generation
Form 3.2: Employee Expenses
Ukai Hydro

Expenditure details

(Rs. Crore)

Sr. No.	Particulars	True-Up Year (FY 2020-21)		
		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			9.98
21	Less: Expenses Capitalised			-
22	Net Employee Expenses			9.98
23	Total Gross Generation in MU			688.98
24	Employees Cost / Unit (22/23)			0.14
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.
True up for FY 2020-21 and ARR Petition Formats for FY 2022-23- Generation
Form 3.3: Administration & General Expenses
Ukai Hydro

(Rs. Crore)

Sr. No.	Particulars	True-Up Year (FY 2020-21)		
		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			0.71
30	Less: Expenses Capitalised			-
31	Net A &G Expenses			0.71

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

Ukai Hydro**Gujarat State Electricity Corporation Ltd.****True up for FY 2020-21 and ARR Petition Formats for FY 2022-23- Generation****Form 3.4: Repair & Maintenance Expenses****Ukai Hydro****(Rs. Crore)**

Sr. No.	Particulars	True-Up Year (FY 2020-21)
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	9.74
10	Gross Fixed Assets at beginning of year	180.19
11	R&M Expenses as % of GFA at beginning of year	0.05

Note: This form should be submitted for each station separately

Ukai Hydro**Gujarat State Electricity Corporation Ltd.****True up for FY 2020-21 and ARR Petition Formats for FY 2022-23- Generation****Form 4: Summary of Capital Expenditure and Capitalisation****Ukai Hydro****(Rs. Crore)**

Sr. No.	Particulars	FY 2020-21	FY 2022-23	Remarks
		Actual	Projections	
1	Capital Expenditure		-	
2	Capitalisation	0.05	0.06	
3	IDC			
4	Capitalisation + IDC		0.06	

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.
True up for FY 2020-21 and ARR Petition Formats for FY 2022-23- Generation
Form 5: Assets & Depreciation (1 of 2)
Ukai Hydro

Fixed Assets and Depreciation (Station-wise) For True Up year

(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	180.19	0.05	0.18	180.06		2.31			1.28%		

* 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

Fixed Assets and Depreciation (Station-wise) For FY 2022-23

(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	188.20	0.06	0.00	188.26		2.41			1.28%		

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

Gujarat State Electricity Corporation Ltd.
True up for FY 2020-21 and ARR Petition Formats for FY 2022-23- Generation
Form 6: Interest Expenses

A. Normative Loan

(Rs. Crore)

Sr. No.	Source of Loan	True-Up Year (FY 2020-21)			FY 2022-23 Projections	Remarks
		Tariff Order	April-March (Audited)	Deviation		
		(a)	(b)	(c) = (b) - (a)		
1	Opening Balance of Normative Loan		24.23		25.29	
2	Less: Reduction of Normative Loan due to retirement or replacement of assets					
3	Addition of Normative Loan due to capitalisation during the year		0.03		0.04	
4	Repayment of Normative loan during the year		2.31		2.41	
5	Closing Balance of Normative Loan		21.95		22.92	
6	Average Balance of Normative Loan		23.09		24.10	
7	Weighted average Rate of Interest on actual Loans (%)		10.29%		10.29%	
8	Interest Expenses		2.38			
9	Finance Charges		-		0.00	
10	Total Interest & Finance Charges	2.53	2.38	(0.15)	2.48	

Gujarat State Electricity Corporation Ltd.
True up for FY 2020-21 and ARR Petition Formats for FY 2022-23- Generation
Form 7: Return on Regulatory Equity

(Rs. Crore)

Sr. No.	Particulars	Legend	True-Up Year (FY 2020-21)			FY 2022-23
			Norm	Tariff Order	Claimed in Petition	Projections
1	Regulatory Equity at the beginning of the year	A			76.01	78.47
2	Capitalisation during the year	B			0.05	0.06
3	Equity portion of capitalisation during the year	C			0.01	0.02
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			76.02	78.48
	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			10.42	10.64	10.99

Gujarat State Electricity Corporation Ltd.
True up for FY 2020-21 and ARR Petition Formats for FY 2022-23- Generation
Form 8: Non-Tariff Income
Ukai Hydro

(Rs. Crore)

Sr. No.	Particulars	Reference	True-Up Year (FY 2020-21)			FY 2022-23	Remarks
			Tariff Order	April-March (Audited)	Deviation		
			(a)	(b)	(c) = (b) - (a)	Projections	
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	0.25	-3.26	0.25	

Note: This form should be submitted for each station separately