

Gujarat State Electricity Corporation Ltd.
ARR Petition Formats for FY 2021-22- Generation

Sr. No.	Title	Reference
1	Aggregate Revenue Requirement - Summary Sheet	Form 1
2	Summary of Tariff Proposal	Form 1.1
3	Operational Parameters - Hydro Generation	Form 2.5
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5	Interest on Working Capital - Hydro Generation	Form 2.7
6	Summary of Operations and Maintenance Expenses	Form 3
7	Water Charges for the Period FY 2021-22	Form 3.A.1
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9	Summary of Capital Expenditure and Capitalisation	Form 4
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12	Return on Regulatory Equity	Form 7
13	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 shown in Brackets- (...) and figures in (+ve) must be shown without Bracket.

Gujarat State Electricity Corporation Ltd.
ARR Petition Formats for FY 2021-22- Generation
Form 1: Aggregate Revenue Requirement - Summary Sheet

Sr. No.	Particulars	Reference	FY 2021-22	Remarks
			Projections	
1	Fuel Related Expenses		-	
2	Operation & Maintenance Expenses	Form 3	23.88	
2.1	Water Charges	Form 3.A & 3.A.1	-	
3	Depreciation	Form 5	2.37	
4	Interest Expenses / Interest & Finance Charges on Loan Capital	Form 6	1.95	
5	Interest on Working Capital	Form 2.7	0.75	
6	Special allowance in lieu of Renovation & Modernisation*			
7	SLDC Fees and Charges		0.19	
8	Total Revenue Expenditure		29.14	
9	Add: Return on Equity	Form 7	10.82	
10	Add: Income Tax		1.73	
11	Less: Non-Tariff Income	Form 8	0.15	
12	Aggregate Revenue Requirement		41.54	

Note: * - Wherever applicable

Gujarat State Electricity Corporation Ltd.
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Form 1.1: Summary of Tariff Proposal

Sr. No.	Particulars	FY 2021-22	Remarks
		Projections	
1	Capacity (Fixed) Charges (in Rs. Crore)	41.54	
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)...		
		
		

Ukai Hydro

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Form 2.5: Operational Parameters - Hydro Generation
Ukai Hydro

Sr. No.	Particulars	Units	FY 2021-22
			Projections
1	Operational Parameters		
1.1	Total Capacity	MW	305
1.2	NAPAF	%	
1.3	Actual/Projected Annual Plant Availability Factor	%	80.00%
1.4	Design Energy	MU	
1.5	Gross Generation	MU	347.33
1.6	Auxiliary Energy Consumption	%	0.60%
1.7	Auxiliary Energy Consumption	MU	2.08
1.8	Net Generation	MU	345.25

Note: This form should be submitted for each station separately

Ukai Hydro

Gujarat State Electricity Corporation Ltd.
ARR Petition Formats for FY 2021-22- Generation
Form 2.6: Capacity Charge & Energy Charge Rate - Hydro Generation
Ukai Hydro

Sr. No.	Particulars	Legend	FY 2021-22
			Projections
1	Annual Fixed Cost for Hydel Generating Station (Rs. Crore)	a	41.54
2	NAPAF (%)	b	80.00%
3	Actual Availability (%)	c	
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.
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Form 2.7: Interest on Working Capital - Hydro Generation
Ukai Hydro

B. FY 2021-22

Sr. No.	Particulars	Norms	FY 2021-22 (Projections)
1	O&M expenses for 1 month		1.99
2	Maintenance Spares @ 1% of historical cost		1.88
3	Receivables @ 1 month of fixed cost		3.46
4	Total Working Capital requirement		7.34
5	Computation of working capital interest		
6	Interest Rate (%)		10.25%
7	Interest on Working Capital		0.75

Note: Submit this form for each station separately

Ukai Hydro

**Gujarat State Electricity Corporation Ltd.
ARR Petition Formats for FY 2021-22- Generation
Form 3: Operations and Maintenance Expenses Summary
Ukai Hydro**

(Rs. Crore)

Sr. No.	Particulars	Reference	FY 2021-22	Remarks
			Projections	
1	O&M Expenses	Form 3.1	23.88	
1.1	Employee Expenses	Form 3.2		
1.2	A&G Expenses	Form 3.3		
1.3	R&M Expenses	Form 3.4		
2	Less: O&M Expense capitalised			
3	Total Operation & Maintenance Expenses (Net of Capitalisation)		23.88	

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 2021-22

Sr. No.	Name of Generating Station	Projected Gross Generation in MU	Projected water consumption in Cub.Mtr. per MU	Projected rate of water in Rs./Cub.Mtr .	Projected cost of water consumption in Rs. Crore
1	Ukai Hydro	347.33			-

Ukai Hydro**ARR Petition Formats for FY 2021-22- Generation****Form 3.1: Normative O&M Expenses****Ukai Hydro****A. For Existing Generating Stations****(Rs. Crore)**

Sr. No.	Particulars	FY 2021-22	
		Normative	Projected
1	Employee Expenses		
2	A&G Expenses (including insurance and excluding Water Charges)		
3	R & M Expenses		
4	Total O&M Expenses	23.88	23.88

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

Ukai Hydro

**Gujarat State Electricity Corporation Ltd.
ARR Petition Formats for FY 2021-22- Generation
Form 4: Summary of Capital Expenditure and Capitalisation
Ukai Hydro**

(Rs. Crore)

Sr. No.	Particulars	FY 2021-22	Remarks
		Projections	
1	Capital Expenditure	8.14	
2	Capitalisation	8.14	
3	IDC		
4	Capitalisation + IDC	8.14	

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.
ARR Petition Formats for FY 2021-22- Generation
Form 5: Assets & Depreciation (1 of 2)
Ukai Hydro

Fixed Assets and Depreciation (Station-wise) For FY 2021-22

(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	180.32	8.14	0.00	188.46		2.37			1.28%		

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

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Form 6: Interest Expenses

A. Normative Loan

(Rs. Crore)

Sr. No.	Source of Loan	FY 2021-22	Remarks
		Projections	
1	Opening Balance of Normative Loan	22.00	
2	Less: Reduction of Normative Loan due to retirement or replacement of assets		
3	Addition of Normative Loan due to capitalisation during the year	5.70	
4	Repayment of Normative loan during the year	2.37	
5	Closing Balance of Normative Loan	25.34	
6	Average Balance of Normative Loan	23.67	
7	Weighted average Rate of Interest on actual Loans (%)	8.26%	
8	Interest Expenses		
9	Finance Charges	0.00	
10	Total Interest & Finance Charges	1.95	

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ARR Petition Formats for FY 2021-22- Generation
Form 7: Return on Regulatory Equity

(Rs. Crore)

Sr. No.	Particulars	Legend	FY 2021-22
			Projections
1	Regulatory Equity at the beginning of the year	A	76.04
2	Capitalisation during the year	B	8.14
3	Equity portion of capitalisation during the year	C	2.44
4	Reduction in Equity Capital on account of retirement / replacement of assets	D	-
5	Regulatory Equity at the end of the year	$E=A+C-D$	78.49
	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		10.82

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Form 8: Non-Tariff Income
Ukai Hydro

(Rs. Crore)

Sr. No.	Particulars	Reference	FY 2021-22	Remarks
			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		0.15	

Note: This form should be submitted for each station separately