

**Gujarat State Electricity Corporation Ltd.**  
**True up for FY 2021-22 and ARR Petition Formats for FY 2023-24- 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 2021-22 and ARR Petition Formats for FY 2023-24- Generation**  
**Form 1: Aggregate Revenue Requirement - Summary Sheet**

Sr. No.	Particulars	Reference	True-Up Year (FY 2021-22)			FY 2023-24	Remarks
			Tariff Order	April - March (Audited)	Deviation	Projections	
			(a)	(b)	(c) = (b) - (a)		
1	Fuel Related Expenses		-	-	-	0.00	
2	Operation & Maintenance Expenses	Form 3	29.65	25.42	(4.23)	33.14	
2.1	Water Charges	Form 3.A & 3.A.1	-	-	-	-	
3	Depreciation	Form 5	5.52	5.52	(0.00)	5.53	
4	Interest Expenses / Interest & Finance Charges on Loan Capital	Form 6	-	-	-	-	
5	Interest on Working Capital	Form 2.7	1.17	1.04	(0.13)	1.13	
6	Special allowance in lieu of Renovation & Modernisation*			-	-		
7	SLDC Fees and Charges		0.15	0.12	(0.03)	0.12	
<b>8</b>	<b>Total Revenue Expenditure</b>		<b>36.49</b>	<b>32.10</b>	<b>(4.39)</b>	<b>39.92</b>	
9	Add: Return on Equity	Form 7	29.04	28.88	(0.16)	28.91	
10	Add: Income Tax		1.36	1.58	0.22	1.58	
11	Less: Non-Tariff Income	Form 8	0.39	0.68	0.29	0.68	
<b>12</b>	<b>Aggregate Revenue Requirement</b>		<b>66.50</b>	<b>61.89</b>	<b>(4.61)</b>	<b>69.74</b>	

Note: \* - Wherever applicable

**Gujarat State Electricity Corporation Ltd.**  
**True up for FY 2021-22 and ARR Petition Formats for FY 2023-24- Generation**  
**Form 1.1: Summary of Tariff Proposal**

Sr. No.	Particulars	FY 2021-22	FY 2023-24	Remarks
		Actual	Projections	
<b>1</b>	<b>Capacity (Fixed) Charges (in Rs. Crore)</b>	<b>61.89</b>	<b>69.74</b>	
<b>2</b>	<b>Energy Charge Rate ex-bus (Rs./kWh)</b>	3.52	-	
a	Station/Unit 1 (pls mention name)...			
b	Station/Unit 2 (pls mention name)...			
c	Station/Unit 3 (pls mention name)...			
	....			
	....			
<b>3</b>	<b>Other Charges (Rs./kWh)</b>			
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 2021-22 and ARR Petition Formats for FY 2023-24- Generation**  
**Form 2.5: Operational Parameters - Hydro Generation**  
**Kadana Hydro**

Sr. No.	Particulars	Units	True-Up Year (FY 2021-22)			FY 2023-24
			Tariff Order	April-March (Audited)	Deviation	
			(a)	(b)	(c) = (b) - (a)	Projections
<b>1</b>	<b>Operational Parameters</b>					
1.1	Total Capacity	MW	242	242		242
1.2	NAPAF	%	80%			
1.3	Actual/Projected Annual Plant Availability Factor	%		79.99%		80.00%
1.4	Design Energy	MU				
1.5	Gross Generation	MU		223.77		225.00
1.6	Auxiliary Energy Consumption	%		0.76%		1.00%
1.7	Auxiliary Energy Consumption	MU		1.69		2.25
1.8	Net Generation	MU		222.08		222.75

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

**Kadana Hydro**

**Gujarat State Electricity Corporation Ltd.**  
**True up for FY 2021-22 and ARR Petition Formats for FY 2023-24- Generation**  
**Form 2.6: Capacity Charge & Energy Charge Rate - Hydro Generation**  
**Kadana Hydro**

Sr. No.	Particulars	Legend	True-Up Year (FY 2021-22)	FY 2023-24
			Actual	Projections
1	Annual Fixed Cost for Hydel Generating Station (Rs. Crore)	a	61.89	69.74
2	NAPAF (%)	b	80%	80.00%
3	Actual Availability (%)	c	79.99%	
4	<b>Capacity Charges (Rs. Crore)</b>	$d=0.50*a*c/b$		
5	Design Energy (MU)	e		
6	Auxiliary Consumption (%)	f		
7	Net Design Energy (MU)	$g=e*(1-f)$		
8	<b>Energy Charge Rate (Rs. kWh)</b>	$h=0.50*10*a/g$	3.52	-

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

**Gujarat State Electricity Corporation Ltd.**  
**True up for FY 2021-22 and ARR Petition Formats for FY 2023-24- Generation**  
**Form 2.7: Interest on Working Capital - Hydro Generation**  
**Kadana Hydro**

**A. True-Up Year (FY 2021-22)**

Sr. No.	Particulars	Norm	True-Up Year (FY 2021-22)		
			Tariff Order	Audited	True-Up Petition
1	O&M expenses				2.12
2	Maintenance Spares				3.34
3	Receivables				5.54
4	<b>Total Working Capital requirement</b>				11.00
5	<b>Computation of working capital interest</b>				
6	Interest Rate (%)				9.50%
7	<b>Interest on Working Capital</b>		1.17		1.04
8	<b>Actual Working Capital Interest</b>		Not Applicable		

**Note:** Submit this form for each station separately

**B. FY 2023-24**

Sr. No.	Particulars	Norms	FY 2023-24 (Projections)
1	O&M expenses for 1 month		2.76
2	Maintenance Spares @ 1% of historical cost		3.34
3	Receivables @ 1 month of fixed cost		5.81
4	<b>Total Working Capital requirement</b>		11.92
5	<b>Computation of working capital interest</b>		
6	Interest Rate (%)		9.50%
7	<b>Interest on Working Capital</b>		1.13

**Note:** Submit this form for each station separately

**Kadana Hydro**

**Gujarat State Electricity Corporation Ltd.**  
**True up for FY 2021-22 and ARR Petition Formats for FY 2023-24- Generation**  
**Form 2.9: % Annual PAF & PLF of Generating Stations**

**True-Up Year (FY 2021-22)**

<b>Sr. No.</b>	<b>Generating Station</b>	<b>PAF</b>	<b>PLF</b>
<b>1</b>	<b>Kadana Hydro</b>	79.99%	10.56%

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

Kadana Hydro

**Gujarat State Electricity Corporation Ltd.**  
**True up for FY 2021-22 and ARR Petition Formats for FY 2023-24- Generation**  
**Form 3: Operations and Maintenance Expenses Summary**  
**Kadana Hydro**

(Rs. Crore)

Sr. No.	Particulars	Reference	True-Up Year (FY 2021-22)			FY 2023-24	Remarks
			Tariff Order	April-March (Audited)	Deviation		
			(a)	(b)	(c) = (b) - (a)	Projections	
1	O&M Expenses	Form 3.1	29.65	25.42		33.14	
1.1	Employee Expenses	Form 3.2		17.53			
1.2	A&G Expenses	Form 3.3		1.71			
1.3	R&M Expenses	Form 3.4		6.18			
2	Less: O&M Expense capitalised						
3	<b>Total Operation &amp; Maintenance Expenses (Net of Capitalisation)</b>		<b>29.65</b>	<b>25.42</b>	<b>-4.23</b>	<b>33.14</b>	

**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 2021-22)**

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	Kadana Hydro	223.77					-	-	-	

**Form 3.A.1: Water Charges for the Period FY 2023-24**

Sr. No.	Name of Generating Station	Projected Gross Generation in MU
1	Kadana Hydro	225.00

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



**Kadana Hydro****True up for FY 2021-22 and ARR Petition Formats for FY 2023-24- Generation****Form 3.1: Normative O&M Expenses****Kadana Hydro****A. For Existing Generating Stations****(Rs. Crore)**

Sr. No.	Particulars	FY 2021-22	FY 2023-24	
		Actual	Normative	Projected
1	Employee Expenses	17.53		
2	A&G Expenses (including insurance and excluding Water Charges)	1.71		
3	R & M Expenses	6.18		
4	Total O&M Expenses	25.42	33.14	33.14

**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 2021-22 and ARR Petition Formats for FY 2023-24- Generation**  
**Form 3.2: Employee Expenses**  
**Kadana Hydro**

## Expenditure details

(Rs. Crore)

Sr. No.	Particulars	True-Up Year (FY 2021-22)		
		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)			
<b>20</b>	<b>Gross Employee Expenses</b>			<b>17.53</b>
21	Less: Expenses Capitalised			-
<b>22</b>	<b>Net Employee Expenses</b>			<b>17.53</b>
<b>23</b>	<b>Total Gross Generation in MU</b>			<b>223.77</b>
<b>24</b>	<b>Employees Cost / Unit (22/23)</b>			<b>0.78</b>
<b>25</b>	<b>No. of Employees</b>			

**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 2021-22 and ARR Petition Formats for FY 2023-24- Generation  
Form 3.3: Administration & General Expenses  
Kadana Hydro

(Rs. Crore)

Sr. No.	Particulars	True-Up Year (FY 2021-22)		
		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	<b>Gross A &amp;G Expenses</b>			1.71
30	Less: Expenses Capitalised			-
31	<b>Net A &amp;G Expenses</b>			1.71

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

**Kadana Hydro****Gujarat State Electricity Corporation Ltd.****True up for FY 2021-22 and ARR Petition Formats for FY 2023-24- Generation****Form 3.4: Repair & Maintenance Expenses****Kadana Hydro****(Rs. Crore)**

<b>Sr. No.</b>	<b>Particulars</b>	<b>True-Up Year (FY 2021-22)</b>
1	Plant & Machinery	
2	Buildings	
3	Civil Works	
4	Hydraulic Works	
5	Lines & Cable Networks	
6	Vehicles	
7	Furniture & Fixtures	
8	Office Equipment	
9	<b>Gross R&amp;M Expenses</b>	<b>6.18</b>
10	Gross Fixed Assets at beginning of year	333.40
11	R&M Expenses as % of GFA at beginning of year	0.02

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

**Kadana Hydro****Gujarat State Electricity Corporation Ltd.****True up for FY 2021-22 and ARR Petition Formats for FY 2023-24- Generation****Form 4: Summary of Capital Expenditure and Capitalisation****Kadana Hydro****(Rs. Crore)**

Sr. No.	Particulars	FY 2021-22	FY 2023-24	Remarks
		Actual	Projections	
1	Capital Expenditure	-	100.00	
2	Capitalisation	0.50	0.49	
3	IDC			
4	Capitalisation + IDC	0.50	0.49	

**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 2021-22 and ARR Petition Formats for FY 2023-24- Generation  
Form 5: Assets & Depreciation (1 of 2)  
Kadana 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											
<b>TOTAL</b>	333.40	0.50	-	333.90		5.52			1.65%		

\* 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 2023-24

(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											
<b>TOTAL</b>	334.07	0.49	-	334.56		5.53			1.65%		

\* 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 2021-22 and ARR Petition Formats for FY 2023-24- Generation**  
**Form 6: Interest Expenses**

**A. Normative Loan****(Rs. Crore)**

Sr. No.	Source of Loan	True-Up Year (FY 2021-22)			FY 2023-24 Projections	Remarks
		Tariff Order	April-March (Audited)	Deviation		
		(a)	(b)	(c) = (b) - (a)		
1	Opening Balance of Normative Loan		-		0.00	
2	Less: Reduction of Normative Loan due to retirement or replacement of assets					
3	Addition of Normative Loan due to capitalisation during the year		0.35		0.35	
4	Repayment of Normative loan during the year		0.35		0.35	
5	Closing Balance of Normative Loan		-		0.00	
6	Average Balance of Normative Loan		-		0.00	
7	Weighted average Rate of Interest on actual Loans (%)		8.18%		8.18%	
8	Interest Expenses		-		0.00	
9	Finance Charges		-		0.00	
10	<b>Total Interest &amp; Finance Charges</b>	-	-	-	0.00	

**Gujarat State Electricity Corporation Ltd.**  
**True up for FY 2021-22 and ARR Petition Formats for FY 2023-24- Generation**  
**Form 7: Return on Regulatory Equity**

(Rs. Crore)

Sr. No.	Particulars	Legend	True-Up Year (FY 2021-22)			FY 2023-24
			Norm	Tariff Order	Claimed in Petition	Projections
1	Regulatory Equity at the beginning of the year	A			206.24	206.44
2	Capitalisation during the year	B			0.50	0.49
3	Equity portion of capitalisation during the year	C			0.15	0.15
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			206.39	206.59
	<b>Return on Equity Computation</b>					
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	<b>Total Return on Equity</b>			29.04	28.88	28.91



**Gujarat State Electricity Corporation Ltd.**  
**True up for FY 2021-22 and ARR Petition Formats for FY 2023-24- Generation**  
**Form 8: Non-Tariff Income**  
**Kadana Hydro**

(Rs. Crore)

Sr. No.	Particulars	Reference	True-Up Year (FY 2021-22)			FY 2023-24	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	<b>Total</b>		0.39	0.68	0.29	0.68	

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