

Uttarakhand Renewable Energy Tariff Regulations - 2013

HIGHLIGHTS

	Technology	No. of Years
Tariff Period	Small hydro	35
	Wind, solar PV, solar thermal, grid-interactive rooftop, small solar PV plants, solar PV plants on canal-bank or canal-top.	25
	Biomass, non-fossil fuel based cogeneration, biomass gasifier, biogas, MSW, RDF.	20
Control Period	5 years, of which the first year is FY2013-14.	
Useful Life of a Plant	Similar to tariff period.	

Technology-wise Net Tariff	Technology	Net Tariff (in Rs./kWh)
	Small hydro (up to 5 MW)	3.92
	Small hydro (above 5 and up to 15 MW)	3.72
	Small hydro (above 15 and up to 25 MW)	3.44
	Biomass (fixed charges)	2.00
	Non-fossil fuel based cogeneration (fixed charges)	2.70
	Biomass gasifier (fixed charges)	2.10
	Biogas (fixed charges)	3.50
	MSW (fixed charges)	6.70
	RDF (fixed charges)	4.10
	Solar PV	10.15
	Solar thermal	12.15
	Grid-interactive rooftop and small solar PV plants	8.15
	Canal-bank solar PV	6.70
	Canal-top solar PV	7.65
	Wind (Zone - 1)	5.00
	Wind (Zone - 2)	4.45
	Wind (Zone - 3)	3.80
	Wind (Zone - 4)	3.05
	Wind (Zone - 5)	2.80

Capital Cost	Technology	Capital Cost (in Rs. lakh/MW)
	Small hydro (up to 5 MW)	785.00
	Small hydro (above 5 and up to 15 MW)	750.00
	Small hydro (above 15 and up to 25 MW)	715.00
	Biomass	445.00
	Non-fossil fuel based cogeneration	420.00
	Biomass gasifier	550.00
	Biogas	1100.00
	MSW	1500.00
	RDF	900.00
	Solar PV	1000.00
	Solar thermal	1300.00
	Grid-interactive rooftop and small solar PV plants	1025.00
	Canal-bank solar PV	6.85
	Canal-top solar PV	7.05
	Wind	515

	Technology	O&M Cost (in Rs. lakh/MW or % of project cost for FY 2013-14)	
Operation and Maintenance Expenses (O&M)	Small hydro (up to 5 MW)	26.43	
	Small hydro (above 5 and up to 15 MW)	22.73	
	Small hydro (above 15 and up to 25 MW)	19.03	
	Biomass	25.37	
	Non-fossil fuel based cogeneration	16.92	
	Biomass gasifier, biogas	42.29	
	MSW	90.00*	
	RDF	54.00*	
	Solar PV, canal-bank solar PV, canal-top solar PV, grid-interactive rooftop and small solar PV plants.	11.63	
	Solar thermal	15.86	
	Wind	9.51	
	MSW, RDF	6%	
	*Cost are from FY 2016-17		
	Interest Rate on Loans	Average State Bank of India base rate prevalent during first 6 months of the previous year plus 300 basis points.	
Depreciation	<ul style="list-style-type: none"> • 5.83% per annum for the first 12 years and the remaining depreciation spread over the residual useful life of the project. • 75% of the capital subsidy received by the generator shall be reduced from the capital cost for depreciation purposes. 		
Return on Equity	<ul style="list-style-type: none"> • Pre-tax - 20% per annum for the first 10 years. • Pre-tax - 24% per annum from the 11th year onwards. (Uttarakhand Electricity Regulatory Commission (Tariff and other terms for supply of electricity from renewable energy sources and non fossil fuel based cogeneration stations) (First Amendment) Regulations, 2013		

Interest on Working Capital

Average State Bank of India base rate prevalent during the first six months of the previous year plus 350 basis points.

OTHER PROVISIONS

Tariff structure and design	Single-part tariff, with fixed cost components and variable cost components for technologies using fuels.
Merit Order Despatch	Merit order dispatch/purchase shall not be applicable.
Subsidy or/and incentives by government	Incentives or subsidies offered by the central or state government shall be considered by the Commission while determining tariff; provided that only 75% of the capital subsidy for the financial year of commissioning shall be considered for tariff determination.
Rebate	<ul style="list-style-type: none">• 2% rebate for payment through letter of credit.• 1% rebate for payment other than through letter of credit and within 1 month of the presentation of bills.
Late payment surcharge	1.25% per month, or part thereof, for payment beyond 60 days from the date of billing.
Links	http://www.uerc.gov.in/

References

[http://www.uerc.gov.in/Rules%20and%20regulation/UERCRegulations/Regulations%202013/English%20Regulations,%202013/UERC\(RE%20cogen%20stations\)%20Reg,%202013.pdf](http://www.uerc.gov.in/Rules%20and%20regulation/UERCRegulations/Regulations%202013/English%20Regulations,%202013/UERC(RE%20cogen%20stations)%20Reg,%202013.pdf)

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