

Rajasthan Renewable Energy Tariff - 2015 (Consolidated - 1st Amendment 2020)

HIGHLIGHTS

Technology-wise Net Tariff	Technology	Net Tariff (Rs./kWh)
	Wind (Jaisalmer, Barmer, Jodhpur)	5.16
	Wind (other than Jaisalmer, Barmer, Jodhpur)	5.42
	Solar PV	4.85
	Solar thermal	10.34
	Biomass with water-cooled condenser	6.83*
	Biomass with air-cooled condenser	7.41*
	Biogas	7.84*
	Biomass gasifier	6.67*
	*Without availing Accelerated Depreciation	
	Project developer can opt for project-specific tariff for the following: <ul style="list-style-type: none"> • Biomass gasifier. • Biogas. • MSW and Refuse Derived Fuel based project with a Rankine cycle. • Hybrid. • Project under the Central/State government scheme. 	
Tariff Period	Technology	No. of Years
	Wind, Solar PV, Solar thermal	25
	Biomass, Biomass gasifier, Biogas	20
Control Period	<ul style="list-style-type: none"> • 01.04.2014 to 31.03.2019 for wind and solar projects. • 01.04.2015 to 31.03.2020 for biomass and biogas projects. 	

Useful Life of a Plant	Technology	No. of Years
	Wind, Solar PV, Solar thermal	25
	Biomass, Biomass gasifier, Biogas	20
Capital Cost	Technology	Rs. Lakh/MW
	Wind	579.84
	Solar PV	518.59
	Solar thermal	1182.30
	Biomass with water-cooled condenser	527.78
	Biomass with air-cooled condenser	561.98
	Biogas	856.77 [§]
	Biomass gasifier	443.49 [*]
	*Subsidy of Rs.150 lakh/MW	
	§Subsidy of Rs.300 lakh/MW	
Operation and Maintenance (O&M) Expenses	Technology	Rs. Lakh/MW
	Wind	8.82
	Solar PV	7.00
	Solar thermal	18.79
	Biomass with water-cooled condenser	42.27
	Biomass with air-cooled condenser	45.07
	Biogas	56.06
	Biomass gasifier	56.06
	The escalation in O&M is 5.85% per annum.	
Interest Rate on Loans	12.76%	
Depreciation	<ul style="list-style-type: none"> • 5.83% for the first year and remaining depreciation shall be spread over the residual useful life of the plant. - 5.28% for biogas and biomass for the first 13 years and remaining depreciation shall be spread over the residual useful life of the plant. 	
Return on Equity	<ul style="list-style-type: none"> • 14% per annum for biogas, biomass gasifier and biomass. • 16% per annum for other technologies. 	

Interest on Working Capital	<ul style="list-style-type: none"> • 12.50% for solar thermal. • 12.26% for solar PV. • 10.99% for biogas and biomass.
Banking of Energy for Biogas and Biomass	Extra energy fed into the grid will be compensated at 60% of energy charges for the industrial customer.

OTHER PROVISIONS

Tariff Structure and Design	Single part, levelised tariff.
Despatch Principle	'MUST RUN' plants and hence not subject to merit order despatch principle.
Subsidy or/and Incentives by Government	Any incentive or subsidy provided by the central or state government including accelerated depreciation benefit.
Rebate	<ul style="list-style-type: none"> • 2% - for payment of bills through a letter of credit or by cash/cheque within three working days of presentation of bills. • 1% - for payment of bills through letter of credit or by cash/cheque beyond three working days of presentation of bills but within thirty days.
Late Payment Surcharge	1.25% per month, on a daily basis, for payments beyond 45 days from date of presentation of bills.
Links	http://rerc.rajasthan.gov.in/

References

<http://rerc.rajasthan.gov.in/Regulations/Reg87.pdf>

<http://rerc.rajasthan.gov.in/Regulations/Reg79.pdf>

<http://rerc.rajasthan.gov.in/TariffOrders/Order239.pdf>

<http://rerc.rajasthan.gov.in/TariffOrders/Order249.pdf>

<http://rerc.rajasthan.gov.in/TariffOrders/Order248.pdf>

<http://rerc.rajasthan.gov.in/Regulations/Reg85.pdf>

<http://rerc.rajasthan.gov.in/Regulations/Reg114.pdf>

<http://rerc.rajasthan.gov.in/TariffOrders/Order304.pdf>

<https://rerc.rajasthan.gov.in/rerc-user-files/regulations> (1st amendment)