

Bihar Tariff Order* for Biomass, Bagasse Cogeneration, Biomass Gasifier and MSW based Power Plants - 2016

HIGHLIGHTS

Tariff Period	Technology	No. of Years
	Biomass	13
	Bagasse cogeneration	13
	Biomass gasifier	20
	MSW/RDF	20
Control Period	5	
Useful Life of a Plant	20	

	Technology	Net Tariff (Rs./kWh)
Technology-wise Net Tariff	Biomass with watercooled condenser using rice straw, husk and juliflora.	7.38
	Biomass with water cooled condenser using other than rice straw, husk and juliflora.	7.24
	Biomass with air cooled condenser using rice straw, husk and juliflora.	7.63
	Biomass with air cooled condenser using other than rice straw and juliflora.	7.58
	Bagasse cogeneration	5.77
	Biomass gasifier	6.68
	MSW	6.61
	RDF	7.83

	Technology	Capital Cost (Rs.lakh/MW)	
Capital Cost	Biomass with water cooled condenser using rice straw, husk and juliflora.	609.234	
	Biomass with water cooled condenser using other than rice straw, husk and juliflora.	557.611	
	Biomass with air cooled condenser using rice straw, husk and juliflora.	650.538	
	Biomass with air cooled condenser using other than rice straw and juliflora.	598.908	
	Bagasse cogeneration	451.504	
	Biomass gasifier	441.250	
	MSW	1500.00	
	RDF	900.00	
	<ul style="list-style-type: none"> • All capital costs are for FY 2016-17 		

	Technology	O&M Cost (Rs.lakh/MW)
Operation and Maintenance (O&M) Expenses	Biomass	47.26
	Bagasse cogeneration	19.99
	Biomass gasifier	49.97
	MSW	95.15
	RDF	57.09
	<ul style="list-style-type: none"> • O&M costs are for FY 2016-17 and escalated at the rate of 5.72% per annum. 	
	Interest Rate on Loans	12.76%
Depreciation	<ul style="list-style-type: none"> • 7% per annum for first 10 years. • 2% per annum for next 10 years. 	
Return on Equity	<ul style="list-style-type: none"> • Pre-tax - 20% per annum - first 10 years. • Pre-tax - 24% per annum - 11th year onwards. 	
Interest on Working Capital	13.26%	

OTHER PROVISIONS

Tariff Structure and Design	Generic, levellised tariff.
Merit Order Despatch principle	Not available
Subsidy or/and Incentives by the government	<ul style="list-style-type: none"> • Projects will benefit from the incentives by central and state government policies. • Exemption from electricity duty. • Exemption from entry tax. • Loans will be available as per guidelines/incentives of governments, IREDA and MNRE.
Rebate	<ul style="list-style-type: none"> • 2% if payment made to the developer is through Letter of Credit. • 1% if payment made other than through Letter of Credit within a period of one month of presentation of bills.
Late payment surcharge	1.25% per month for payment of bills beyond a period of 60 days from the date of billing.
Links	http://berc.co.in/pages/otherorders.S3InfoSystem
References	http://berc.co.in/media/Other-Order/order-SMP-19%20of%202016.pdf http://berc.co.in/media/Other-Order/bagasse%20full%20order%2030-11-2012.pdf

*Bihar has published different order for these technologies rather than tariff regulations.