

**BIOMASS GASSIFER**

Description	CERC	Assam	Bihar	Haryana	J & K	Manipur	Meghalaya	Mizoram	Punjab*	Rajasthan	Sikkim	Tamil Nadu*	Tripura	Uttarakhand	JERC(For Goa & Union Territories)	
Regulation	2017	2017	2017	2017	2013	2010	2014	2010	2017	2015	2012	Order No. 3 of 2018	2015	2018	2019	
Dated	17.04.2017	04.09.2018	24.10.2017	24.07.2018	17.05.2013	31.05.2010	11.11.2014	31.05.2010	31.10.2017	26.02.2015	28.08.2012	28.03.2018	16.10.2015	06.09.2018	24.07.2019	
Last Amendment	na	na	13.07.2018	27.08.2018	20.04.2016	08.08.201	na	08.08.201	na	March, 2019	na	na	28.09.2016	na	na	
Tariff Period (Yrs)	20	20	20	20	20	13	20	13	20	20	20	na	20	20	20	
Control Period(yrs)	3	3	3	4	5	5	3	5	3	5	3	na	5	5	3	
w.e.f.	2017-18	2017-18	2017-18	2017-18	2013-14	2012-13	2014	2012-13	2017-18	2015	2012	2018	2015	2018-19	2019-20	
<b>Financial Parameters</b>																
Capital Cost (Rs. Lakh/MW)	592.88	592.88	592.88	443	550	550 (subsidy-440)	400	550 (subsidy-440)	592.88	607.24	550	550	592.530	625(Pine leaves based), 592.88(Other)	Petition filed by Project Developer	
Debt Equity Ratio	70:30	70:30	70:30	70:30	70:30	70:30	70:30	70:30	70:30	70:30	70:30	70:30	70:30	70:30	70:30	
Loan Tenure(Yrs)	13	13	10	13	12	12	12	12	13	13	12	10	12	13	12	
Interest rate on loan capital (SBI basis points)	200	200	200	200	300	300	150	300	200	200	150	9.95%	300	300	For Mainland Area-200; For Island Area-300	
Depreciation	5.28%(13yrs)	5.28%(13yrs)	7%(10yrs)	5.38%(13 Yrs)	5.83% (12 Yrs)	5.83% (12 Yrs)	5.83% (12 Yrs)	5.83% (12 Yrs)	5.28%(13yrs)	5.28%(13yrs)	5.83% (12 Yrs)	4.5% p.a. SLM on 85% of C.C.	5.83% (12 Yrs)	5.38% (13 Yrs)	5.83% (12 Yrs)	
Salvage Value(%)	10%	10%	10%	10%	10%	10%	10%	10%	10%	10%	10%	10%	10%	10%	10%	
Max Depreciation (% of capital cost)	90%	90%	90%	90%	90%	90%	90%	90%	90%	90%	90%	90%	90%	90%	90%	
<b>Return on Equity</b>																
Value base of Cap. Cost	30%	30%	30%	30%	30%	30%	30%	30%	30%	30%	30%	17.56% (pre-tax)	30%	30%	30%	
% Normative ROE	14%	14%	14%	14%	18%	20%	16%	20%	14%	14%	20%	17.56% (pre-tax)	20%	16%	For Mainland Area-14%; For Island Area-18%	
For 10 Yrs					18%	20%	16%	20%	14%	14%	20%	17.56% (pre-tax)	20%	16%	For Mainland Area-14%; For Island Area-18%	
After 10 yrs					22%	24%	16%	24%	14%	14%	24%	17.56% (pre-tax)	24%	22%	For Mainland Area-14%; For Island Area-18%	
O&M Expenses (Rs Lakh/MW)	52.83	52.83	52.83	53	40	40	30	40	52.83	47.27	40	85% of C.C. (for machinery), 10% of C.C. (for land and civil work)	47.26	100(Pine leaves based), 55.86(Other)	Based on market prevailing trends	
Escalation (% p.a)	5.72%	5.72%	5.72%	5.72%	5.72%	5.72%	5.72%	5.72%	5.72%	5.85%	5.72%	5.72%	5.72%	5.72%	average inflation factored previous 3 Yrs considering 60% weightage	
Interest rate on working capital (SBI basis points)	300	300	300	200	350	350	100	350	300	300	350	10.90%	300	350	For Mainland Area-300; For Island Area-400	
<b>Normative Parameters</b>																
PLF/CUF(%)	85%	85%	85%	85%	85%	90%	85%	90%	85%	85%	85%	85%	85%	85%	85%	
Auxiliary consumption(%)	10%	10%	10%	10%	10%	10%	10%	10%	10%	10%	10%	10%	10%	10%	10%	
Specific fuel consumption kg/Wh	1.25	1.25		1.25	1.25	1.25	1.1	1.25	1.25	1.25	1.25	1.2	1.25	1.50(Pine leaves based), 1.25(Other)		
Fuel Cost(Rs./MT)	2873.22(A.P.), 3270.30(Bihar), 3344.80(Maharashtra), 3420.50(Punjab), 2814.60(Rajasthan), 2626.05(Tamil Nadu), 2522.80(U.P.), 3073.05(Other States)	3037.05	3073.05	3070	2500	3073.05	3073.05	3073.05	3073.05	3420.56	2550	2476	2967.35	3144.8	2365	
Useful Life (Yrs)	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	
<b>Risk</b>																
Through LoC (%)	2%	2%	2%	2%	2%	2%	2%	2%	2%	2%	2%	2%	2%	2%	2%	
Other than LoC within one month (%)	1%	1%	1%	1%	1%	1%	1%	1%	1%	1%	1%	1%	1%	1%	1%	
Late Payment Surcharge(%) Beyond 60 days	1.25%	1.25% (beyond 30 days)	1.25%	1.25%	1.25%	1.25%	1.25%	1.25%	1.25%	1.25%	1.25%	1.25%	1.25%	1.25%	1.25%	