

## MUNICIPAL SOLID WASTE

Description	CERC	Arunachal Pradesh	Assam	Bihar	Chhattisgarh	Gujarat*	Haryana	J & K	Jharkhand	Madhya Pradesh	Punjab*	Tamil Nadu*	Uttarakhand	JERC(For Goa & Union Territories)	Uttar Pradesh
<b>Regulation</b>	2020	2018	2017	2017	2019	Order No.-4 of 2016	2017	2013	2016	2017	2017	Order No.4 of 2019	2018	2019	2019
<b>Dated</b>	23.06.2020	21.05.2018	04.09.2018	24.10.2017	29.11.2019		24.07.2018	17.05.2013	28.09.2016	06.07.2017	31.10.2017	28.03.2019	06.09.2018	24.07.2019	25.07.2019
<b>Last Amendment</b>	na	na	na	13.07.2018		na	27.08.2018	20.04.2016	na	na	na			na	
<b>Tariff Period (Yrs)</b>	20	20	20	20	20		20	20	20	20	20	20	20	20	
<b>Control Period(yrs)</b>	3	3	3	3	3		4	5	4	5	3		5	3	
<b>w.e.f.</b>	2020-21	2018-19	2017-18	2017-18	2019-20	2016	2017-18	2013-14	2016	2017	2017-19		2018-19	2019-20	
<b>Finanacial Parametres</b>															
<b>Capital Cost (Rs. Lakh/MW)</b>	Prevailing Market info	Prevailing Market info	det. by comm	MSW-1500, RDF-900	Prevailing Market info	MSW-1600, RDF-900	MSW-1500	MSW-1500, RDF-900	MSW-1500, RDF-900	1500	det. by comm	MSW-1700	MSW-1500, RDF-900	Based on market prevailing trends	
<b>Debt Equity Ratio</b>	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
<b>Loan Tenure(Yrs)</b>	15	13	13	10	13	10	13	12	12	10	13	10	13	12	
<b>Interest rate on loan capital (SBI basis points)</b>	200	300	200	200	200	11.80% p.a.	200	300	300	det. by Comm.	200	10.55%	300	For Mainland Area-200; For Island Area-300	
<b>Depreciation</b>															
(i) For starting years	4.67%(15yrs)	5.83% (13 yrs)	5.28(13yrs)	7% (10 yrs)	5.28(13yrs)	7% (10 yrs)	5.38%(13 yrs)	5.83% (12 yrs)	5.83% (12 yrs)	7% (10 yrs)	5.28%(13yrs)	4.5% SLM on 85% on C.C.	5.38% (13 Yrs)	5.83% (12 yrs)	
(ii) For remaining years						2% (11-20yrs)									
<b>Salvage Value (%)</b>	10%	10%	10%	10%	10%	10%	10%	10%	10%	10%	10%	10%	10%	10%	
<b>Max Depreciation (% of capital cost)</b>	90%	na	90%	90%	90%	90%	90%	90%	90%	90%	90%	90%	90%	90%	
<b>Return on Equity</b>															
Value base of Cap. Cost	det. by Comm.	30%	30%	30%	30%	30%	30%	30%	30%	30%	30%			30%	
<b>% normative ROE</b>	14%	14%	14%	14%	16%	14%	14%			20%	14%		16%	For Mainland Area-14%; For Island Area-16%	
For 1st 10 Yrs								18%	20%				20%		
After 10 Yrs								22%	24%				22%		
<b>O&amp;M Expenses (Rs Lakh/MW)</b>	based on prevailing market rates	Prevailing Market info	prevailing market rates	6% of C.C	Pravailing market value	MSW-6% of C.C., RDF-5% of C.C.	MSW - 6.5% of C.C.	6% of C.C.	6% of C.C.	5 % of C.C.	based on prevailing market rates	5.5% (machinary on 85% of the C.C.)	Both -6% of project cost for 1st yr.	For Mainland Area-5 of C.C.%; For Island Area- 6% of C.C.	
<b>Escalation (%) p.a</b>	3.84%	5.72%	5.72%	5.72%	5.72%	5.72%	5.72%	5.72%	5.72%	5.72%	5.72%	5.72%	5.72%	average inflation factor of previous 3 Yrs considering 60% weightage	
<b>Interest rate on working capital (SBI basis points)</b>	350	300	300	300	300	11.80%	200	350	350	det. by Comm.	300	11.55%	350	For Mainland Area-300; For Island Area-400	
<b>Normative Parameters</b>															
<b>PLF/CUF(%)</b>												MSW-75%			
During Stabilization	65%(MSW&RDF)	65% (MSW&RDF)	65%(MSW&RDF)	65%(MSW&RDF)	65%(MSW&RDF)	65%(during 1st yr MSW&RDF)	MSW-65% (during satbilisation)	65%(MSW&RDF)			65%(MSW&RDF)		65%(MSW&RDF)		
after stabilization(<1st yr)	65%(MSW&RDF)	65% (MSW&RDF)	65%(MSW&RDF)	65%(MSW&RDF)	65%(MSW&RDF)		MSW-65% (during 1st of after stabilisation)	65%(MSW&RDF)	65%(MSW&RDF)	65%	65%(MSW&RDF)			65% (MSW&RDF)	
from 2nd yr	MSW-75%, RDF-80%	MSW-75%, RDF-80%		MSW-75%, RDF-80%	MSW-75%, RDF-80%	MSW-75%, RDF-80%	MSW-75%	MSW-75%, RDF-80%	MSW-75%, RDF-80%	75%	MSW-75%, RDF-80%		MSW-75%, RDF-80%	80% (MSW&RDF)	
<b>Aux. Consumption (%)</b>	15%	15%	15%	15%	15%	MSW-16%, RDF-12%	MSW-15.5%	15.00%	RDF-15%	15%	15%	MSW-15%	15%	15%	
<b>Station Heat Rate(kCal/kWh)</b>	4200	4200	4200	4200	4200	4200	4200	4200	4200	4200	4200	4200	4200	det. by Commission	
<b>Calorific Value(kCal/kg)</b>	det. by Comm.	2500	2500	2500	2500	2500(for RDF)		2500(for RDF)	2500(for RDF)	2500			RDF-2500		
<b>Fuel Cost(Rs./MT)</b>		1800	1800	1800	1985	1600(for RDF)		1800(for RDF)	1800(for RDF)	1800			1800		
<b>Useful Life (Yrs)</b>	20	20	20	20	20	20	20	20	20	20	20		20	20	
<b>Rebate</b>															
<b>Through LoC (%)</b>	1.5% within 5 days of representation of bills	2%	2%	2%	2%		2%	2%	2%		2%		2%	2%	
<b>other than LoC within one month (%)</b>	1% after 5 days of representation of bills	10%	1%	1%	1%		1%	1%	1%		1%		1%	1%	
<b>Late Payment Surcharge(%) Beyond 60 days</b>	1.5% p.m. (beyond 45 days)	1.25%	1.25% (beyond 30 days)	1.25%	1.25%		1.25%	1.25%	1.25%		1.25%		1.25%	1.25%	

**Municipal Solid Waste new projects Commissioned during FY 2014-15 to 2018-19; Total Tariff for FY 2019-19, Year of Commissioning FY 2014-15: 6.69, FY 2015-16: 6.85, FY 2016-17: 7.01, FY 2017-18: 7.18, FY 2018-19: 7.36; Year of Commissioning 2019: 8.32**

Remark: \*\* Notified Tariff Order