

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
Regulation	2017	2018	2017	2017	(draft)2017	Order No.-4 of 2016	2017	2013	2016	2017	2017	Order No.4 of 2019	2018	2019	2019
Dated	17.04.2017	21.05.2018	04.09.2018	24.10.2017	4.7.2017		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
Last Amendment	na	na	na	13.07.2018	na	na	27.08.2018	20.04.2016	na	na	na			na	
Tariff Period (Yrs)	20	20	20	20	13(COD after April 2012)5(COD before April 2012)		20	20	20	20	20	20	20	20	
Control Period(yrs)	3	3	3	3	3		4	5	4	5	3		5	3	
w.e.f.	2017-19	2018-19	2017-18	2017-18	2018-19	2016	2017-18	2013-14	2016	2017	2017-19		2018-19	2019-20	
Finanacial Parametres															
Capital Cost (Rs. Lakh/MW)	det. by comm	Prevaling Market info	det. by comm	MSW-1500, RDF-900	det. by comm	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	
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	
Loan Tenure(Yrs)	13	13	13	10	13	10	13	12	12	10	13	10	13	12	
Interest rate on loan capital (SBI basis points)	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	
Depreciation															
(i)For starting years	5.28%(13yrs)	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)								
Salvage Value (%)	10%	10%	10%	10%	10%		10%	10%	10%				10%	10%	
Max Depreciation (% of capital cost)	90%	na	90%	90%	90%		90%	90%	90%				90%	90%	
Return on Equity															
Value base of Cap. Cost	30%	30%	30%	30%	30%		30%	30%	30%					30%	
% normative ROE	14%	14%	14%	14%	14%	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%	
O&M Expenses (Rs Lakh/MW)	based on prevailing market rates	Prevaling 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.	
Escalation (%) p.a	5.72%	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	
Interest rate on working capital (SBI basis points)	300	300	300	300	300	11.80%	200	350	350	det. by Comm.	300	11.55%	350	For Mainland Area-300; For Island Area-400	
Normative Parameters															
PLF/CUF(%)					MSW-75% RDF-80%							MSW-75%			
During Stabilization	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)			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%	MSW-75%, RDF-80%	MSW-75%, RDF-80%	75%	MSW-75%, RDF-80%		MSW-75%, RDF-80%	80% (MSW&RDF)	
Aux. Consumption (%)	15%	15%	15%	15%	15%	MSW-16%, RDF-12%	MSW-15.5%	15.00%	RDF-15%	15%	15%	MSW-15%	15%	15%	
Station Heat Rate(kCal/kWh)	4200	4200	4200	4200	3600	RDF-4100		4200	4200		4200		4200	det. by Commission	
Calorific Value(kCal/kg)	2500	2500	2500	2500	2500	2500(for RDF)		2500(for RDF)	2500(for RDF)		2500		2500	RDF-2500	
Fuel Cost(Rs./MT)	1800	1800	1800	1800	1800	1600(for RDF)		1800(for RDF)	1800(for RDF)		1800		1800		
Useful Life (Yrs)	20	20	20	20	20	20	20	20	20	20	20		20	20	
Rebate															
Through LoC (%)	2%	2%	2%	2%	2%		2%	2%	2%		2%		2%	2%	
other than LoC within one month (%)	1%	10%	1%	1%	1%		1%	1%	1%		1%		1%	1%	
Late Payment Surcharge(%) Beyond 60 days	1.25%	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