

MUNICIPAL SOLID WASTE

Description	CERC	Arunachal Pradesh	Assam	Bihar	Chhattisgarh	Gujarat*	Haryana	J & K	Jharkhand	Madhya Pradesh	Punjab*	Uttarakhand	Uttar Pradesh
Regulation	2017	2018	2017	2017	(draft)2017	Order No.-4 of 2016	2010	2013	2016	2017	2017	2013	2014
Dated	17.04.2017	21.05.2018	04.09.2018	24.10.2017	4.7.2017		02-03-2011	17.05.2013	28.09.2016	06.07.2017	31.10.2017	15.04.2013	20.1.2015
Last Amendment	na	na	na	na	na	na	5.10.2016	20.04.2016	na	na	na	08.09.2017	
Tariff Period (Yrs)	20	20	20	20	13(COD after April 2012)5(COD before April 2012)		20	20	20	20	20	20	
Control Period(yrs)	3	3	3	3	3			5	4	5	3	5	
(i) 1st Control Period							3(from 2011-12)						
(ii) 2nd Control Period							4(from 2013-14)						
w.e.f.	2017-19	2018-19	2017-18	2017-18	2018-19	2016		2013-14	2016	2017	2017-19	2013-14	
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	1500	MSW-1500, RDF-900	MSW-1500, RDF-900	1500	det. by comm	MSW-1500, RDF-900	
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
Loan Tenure(Yrs)	13	13	13	10	13	10	10	12	12	10	13	12	
Interest rate on loan capital (SBI basis points)	200	300	200	200	200	11.80% p.a.	det. by Comm.	300	300	det. by Comm.	200	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)	7% (10 yrs)	5.83% (12 yrs)	5.83% (12 yrs)	7% (10 yrs)	5.28%(13yrs)	5.83% (12 Yrs)	
(ii)For remaining years						2% (11-20yrs)							
Salvage Value (%)	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%	30%	
% normative ROE	14%	14%	14%	14%	14%	14%	16%			20%	14%		
For 1st 10 Yrs								18%	20%			20%	
After 10 Yrs								22%	24%			24%	
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.	6.5% of C.C	6% of C.C.	6% of C.C.	5 % of C.C.	based on prevailing market rates	MSW-1500, RDF-900	
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%	
Interest rate on working capital (SBI basis points)	300	300	300	300	300	11.80%	350	350	350	det. by Comm.	300	350	
Normative Parameters													
PLF/CUF(%)						MSW-75% RDF-80%							
During Stabilization	65%(MSW&RDF)	65% (MSW&RDF)	65%(MSW&RDF)	65%(MSW&RDF)		65%(during 1st yr MSW&RDF)	65%	65%(MSW&RDF)			65%(MSW&RDF)	65% (during 1st year MSW & RDF)	
after stabilization(<1st yr)	65%(MSW&RDF)	65% (MSW&RDF)	65%(MSW&RDF)	65%(MSW&RDF)			65%	65%(MSW&RDF)	65%(MSW&RDF)	65%	65%(MSW&RDF)		
from 2nd yr	MSW-75%, RDF-80%	MSW-75%, RDF-80%		MSW-75%, RDF-80%		MSW-75%, RDF-80%	75%	MSW-75%, RDF-80%	MSW-75%, RDF-80%	75%	MSW-75%, RDF-80%	75%	
Aux. Consumption (%)	15%	15%	15%	15%	15%	MSW-16%, RDF-12%	15.50%	15.00%	RDF-15%	15%	15%	15%	
Station Heat Rate(kCal/kWh)	4200	4200	4200	4200	3600	RDF-4100		4200	4200		4200	4200	
Calorific Value(kCal/kg)	2500	2500	2500	2500	2500	2500(for RDF)		2500(for RDF)	2500(for RDF)		2500	RDF-2500	
Fuel Cost(Rs./MT)	1800	1800	1800	1800	1800	1600(for RDF)		1800(for RDF)	1800(for RDF)		1800		
Useful Life (Yrs)	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%	
other than LoC within one month (%)	1%	10%	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%	

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: 6.76, FY 2015-16: 6.93, FY 2016-17: 7.11, FY 2017-18: 7.30, FY 2018-19: 7.50

Remark: '* Notified Tariff Order