



JBM ENVIRO SUBMISSION ON

**DRAFT REGULATION OF CERC
ON TARRIF DETERMINATION
FOR ELECTRICITY FROM RENEWABLE ENERGY SOURCES**

JBM GROUP SNAPSHOT

GLOBAL CONGLOMERATE WITH DIVERSE BUSINESSES

- EV Ecosystem
 - Electric Vehicles & Buses
 - EV Charging Infrastructure
 - EV Aggregates
- Conventional Buses
- Auto Components & Systems
- Renewable Energy
- Environment Management

- Founded in 1983
- Global workforce of 25,000+
- Revenue of US \$2.2 Billion
- Over 20 international alliances
- Headquartered in Delhi NCR, India



JBM ENVIRO SONEPAT ISWM PROJECT | A REAR-VIEW

Sr No	Date	Milestone
1	26.09.2017	Signing of Concession Agreement
2	08.02.2018	Start of C&T operations in the Sonapat Cluster (cities of Sonapat, Panipat, Samalkha and Gannaur)
3	21.09.2018	Signing of Power Purchase Agreement
4	30.06.2019	Receipt of Environment Clearance
5	01.07.2019	Start of Construction of WtE Project
6	13.08.2021	CoD of the Project



PROJECT COST

S.NO	Project cost Of 10 MW MSW	Rs in Crores In 2018	Present day estimate 4% Esclation
1	Boiler package	162.00	183.04
2	civil	50.00	52
3	BOP	17.71	18.41
4	Total	229.71	238.89
5	Pre operative	4.96	5.15
6	Grand total	234.68	244.06
7	Cost Rs. Crores/MW	23.27	24.40

OPERATING COST

S.No	Project cost of 10 MW MSW	Rs in Crores
1	White collar manpower cost	4.00
2	Blue collar manpower cost	2.00
3	Staff welfare	0.50
4	Consumable	4.00
5	Legal and misc	1.00
6	Financial cost	5.06
7	Major repair after 4 years 2.5% of boiler cost 4.5 Cr/4	1.14
8	Grand total	17.60
9	Cost Rs /KWh*	2.51
10	% of CAPEX	7.5%

* assuming 8 MW – 70.08 million unit per year

SUBMISSION FOR CONSIDERATIONS FOR CERC TARIFF GUIDELINES

S.NO	CHAPTER	CLAUSE	DESCRIPTION	AS RECOMMENDED	AS REQUIRED
1	10	62	Base Project cost for MSW based projects to be considered	18 Cr/MW	25 Cr/MW
2	10	62	Base Project cost for RDF Based Projects to be considered	21 Cr/MW	22 Cr/MW
3	10	65	O&M Expenses (as % of Capital) for MSW Plants	6.5% of Capex	7.5% of Capex
4	10	65	O&M Expenses (as % of Capital) for RDF Plants	8.5% of Capex	9.5% of Capex
5	10	New	Permitted Auxiliary fuel	Not mentioned	Max 20%



think global 
act local