



REGIONAL DIRECTORATE (CENTRAL)
CENTRAL POLLUTION CONTROL BOARD
BHOPAL

Municipal Solid Waste to Energy Power Plant at Jabalpur

Municipal Corporation Jabalpur has installed Waste to Energy Power Plant at Village Kathoda, Jabalpur. Brief details of the plant are as follows :-

S. No.	Items	Particulars
1.	Operators Name	Jabalpur MSW Pvt. Ltd.
2.	Capacity of the Plant	11 .5 MW
3.	Cost of the project	Rs. 177.95 Corers
4.	Date of commissioning	May 2016
5.	Date of start of trial of run	May 2016
6.	MSW Consumption (for Designed Capacity)	600 TPD
7.	Process of disposal	Incineration :- <ul style="list-style-type: none">• Waste (MSW) is dumped in waste pit.• From pit the waste is mechanically segregated by grab crane. Big objects like stone, civil debris, inert are separated.• MSW then goes to feed hopper.• From feed hopper to furnace (Mass Combustion)• Flow gasses through APC (Air Pollution Control measures.)
8.	Boiler Capacity	56 TPH (Stoker fired Boiler)
9.	Stack Height	50 Meters
10.	Water Consumption	Cooling - 108 KLD DM Plant - 38.4 KLD Domestic - 2 KLD Others - 84 KLD Total - 232 KLD

11.	Air Pollution Control Measures	<ol style="list-style-type: none"> 1. Evaporation Cooler (To cool the gasses if temperature is more than 160⁰C water is sprayed) 2. Activated carbon & hydrated lime is injected to control the NO_x, SO₂ in Flue gasses. 3. Flue gasses then treated by Bag House before emission through stack (50 Meter Height).
12.	Online Monitoring System	Online Continuous Stack Monitoring System is installed linked with MPPCB Website.
13.	Waste Water Treatment and Disposal	<p>ETP for treatment of waste water / leachate has been installed. ETP has following units :-</p> <ol style="list-style-type: none"> 1. Screen Chamber 2. Oils Skimmer 3. Collection Tank 4. UASB Reactor (Up flow anaerobic sludge blanket) 5. Aeration Tank 6. Secondary Settling Tank 7. Chlorine Dosing Tank 8. Multi grade filter
14.	Net Calorific value of MSW	1678.27 K.Cals/Kg. (As Reported by the operator)

(P. Jagan)
Regional Director
CPCB-RD-Bhopal