

Solutions for Waste to Energy (WtE)



Boiler & Heater

For a Cleaner & Greener Tomorrow

The ever growing urbanization in the cities has led to challenges of municipal solid waste disposal!

We at Thermax believe in providing greener and cleaner solutions to counter these challenges in a scientific way as per the latest solid waste management (SWM) rules.

The latest SWM rules call for combusting the "Combustibles". Thermax has developed an integrated indigenised solution for Refuse Derived Fuel (RDF) and segregated Municipal Solid Waste (MSW) to optimize the overall cost.

Salient Features

- Dedicated resources in design & development of waste to energy solutions based on physical & chemical characteristics of waste.
- Single line capacity: 50 – 600 TPD.
- Professional design teams use special integrated programs for core equipment design of waste to energy boilers.
- Engineering capability for designing gas cleaning plants to meet the stringent local norms.
- Capability to handle various types of fuels from agricultural waste to RDF.

Our contribution in WtE plants

Thermax has rich experience in firing variety of fuels like rice husk, wheat straw, spentwash, RDF, MSW and industrial waste.

Our R&D and Innovation team is geared up to continuously improve the products to high industry standards and deliver ultimate solution to customers.



1 X 50 TPD Pilot Plant at Thermax R&D facility



1 X 75 TPD MSW fired hot gas generator



Biomass IPP, 1 X 400 TPD RDF cofired unit

What Thermax can offer

Thermax can offer indigenised sustainable solution as equipment supplier or complete EPC for:

- Combustion systems suitable for RDF or segregated MSW
- Waste to energy boiler conforming to latest SWM firing rules
- Gas cleaning plant in accordance with latest emission norms
- Erection of entire boiler and gas cleaning package
- Balance of plant with boiler and steam turbine generator island



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