



An integrated Municipal Solid Waste disposal system (iMSWDS) for disposal of solid waste in a scientific way in-line with Solid Waste Management Rules (SWM) 2016 prescribed by Union Ministry of Environment, Forests and Climate Change (MoEF&CC), Govt. of India.



Installed plant at different location (Bio-Gas plant)

- 25m³ capacity at Pratapadityanagar Gram Panchayat, Kakdip, South 24-Pargana
- 5m³ capacity at Ramakrishna Mission Vivekananda Educational & Research Institute, Belur.
- 5m³ capacity at Saharda Kalipada Vidyapith (HS), Paschim idnapur

Ordered recieved

- Manipur Urban Development Agency, Manipur
- CRPF, Durgapur, West Bengal

Proposal submitted to 05 different organization

Patent Filed: 03

Design Registration Filed: 04

Copyright Filed: 06

Novelties

- Integrated & mechanized segregation system for bio-degradable & non-biodegradable waste for both live and dead waste.
- Eco-friendly disposal of plastic waste through pyrolysis process with zero level toxin emission
- By product pyrolysis oil can be used in industrial boilers, generators etc. for heating / power generation purposes and syngas which can be utilized for generation of electricity.
- Generated Bio-gas from organic waste can be used as cooking gas and to run gas engine for power generation.
- Conversion of agro waste into briquette by mixing with the slurry of the biogas digester and utilization as fuel for cooking & also being utilized in gasifier