

Goa Waste Management Corporation (GWMC) has signed an agreement with Trio-Chem Sucrotech Engineering and Projects Pvt. Ltd. for the operations of its Material Recovery Facility (MRF) for dry waste treatment and disposal in the State of Goa at Verna IDC, Salcete- South Goa. This project is an EPR based model, and the cost to run the facility is completely beared by the project implementing partner (Trio-Chem Sucrotech Engineering and Projects Pvt. Ltd.) with no cost to Goa Waste Management Corporation (GWMC).

To run this facility, around twenty workers and a supervisor are employed by the project implementing partner. Dry waste which is collected from different Panchayat areas is transported to the facility by Goa Waste Management Corporation (GWMC) employed contractors. Apart from Panchayats, dry waste collected from other bulk waste generators such as Educational Institutes, Schools, Private Organizations, Airports and other organizations are received at the facility. On an average eight to ten metric tons of dry waste is handled on a daily basis during non-monsoon months.

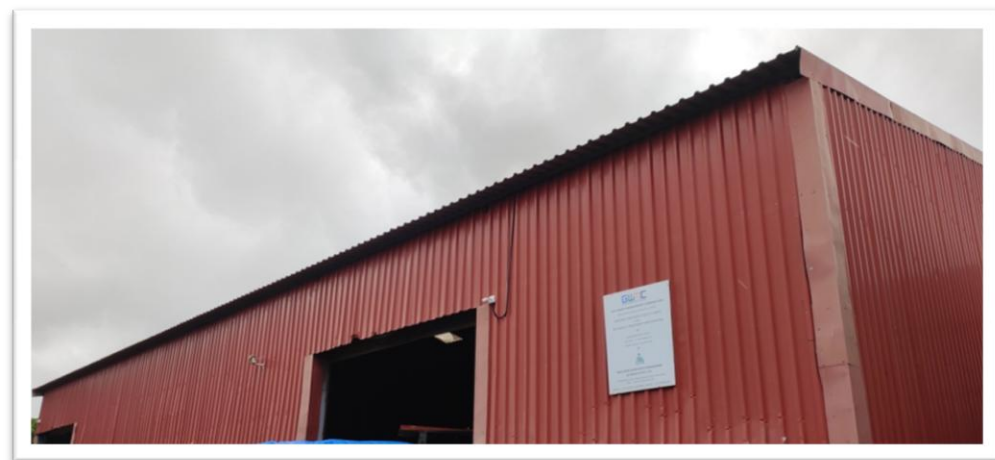
The dry waste received is segregated into recyclable and non-recyclable fractions. Recyclables are further segregated into different types of plastics such as PET, LDPE, HDPE, PP, PS etc, and also into different fractions of other recyclable dry waste (such as Cardboards, Papers, Metals, Glass etc.) and are baled separately as per the types, to send them to the authorized recyclers for its further processing. The non-recyclables or Refused Derived Fuel (RDF) is baled separately and is sent to cement plants for co-processing/incineration (to use it in their kiln for their energy requirements).

One conveyor belt, two baling machines and a forklift machine is used to run this facility (Conveyor belt is to segregate the waste into different fractions, baling machine is to bale the segregated waste and a forklift is to lift the baled waste). Project

implementing partner (Trio-Chem Sucrotech Engineering and Projects Pvt. Ltd.) is also in the process of scaling up this Verna MRF into a mini recycling facility to attain a sustainable model.



Verna MRF (outside view)



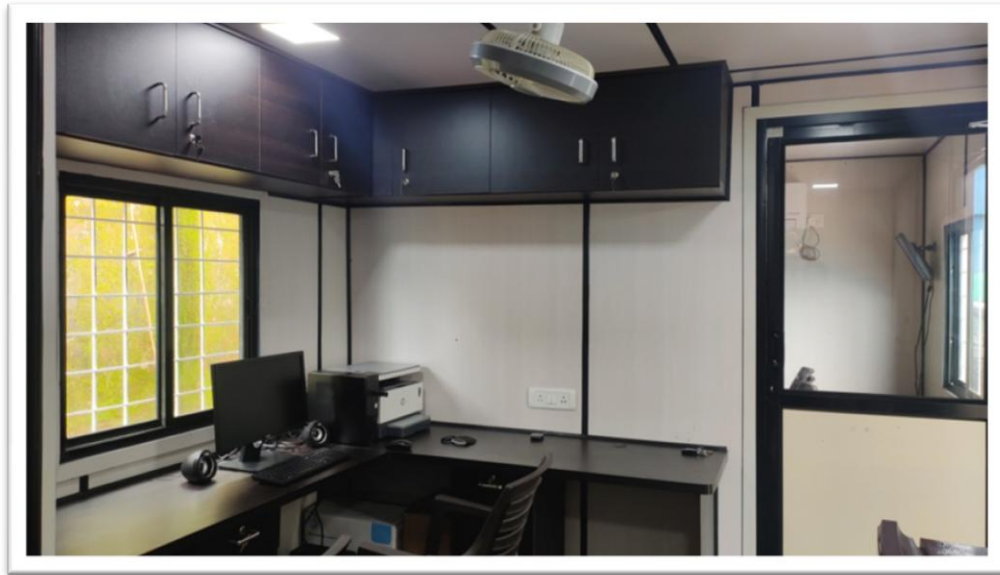
Verna MRF (outside view)



Verna MRF (outside view)



Verna MRF site office (outside)



Verna MRF site office (inside)



Verna MRF site office (inside)

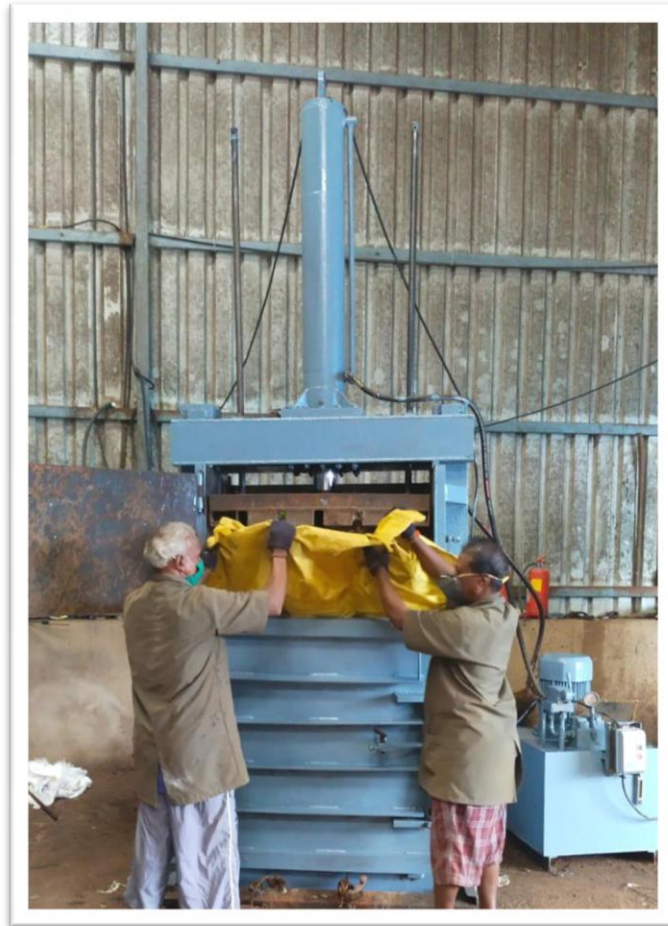


Baling machines



Workers at the baling machine





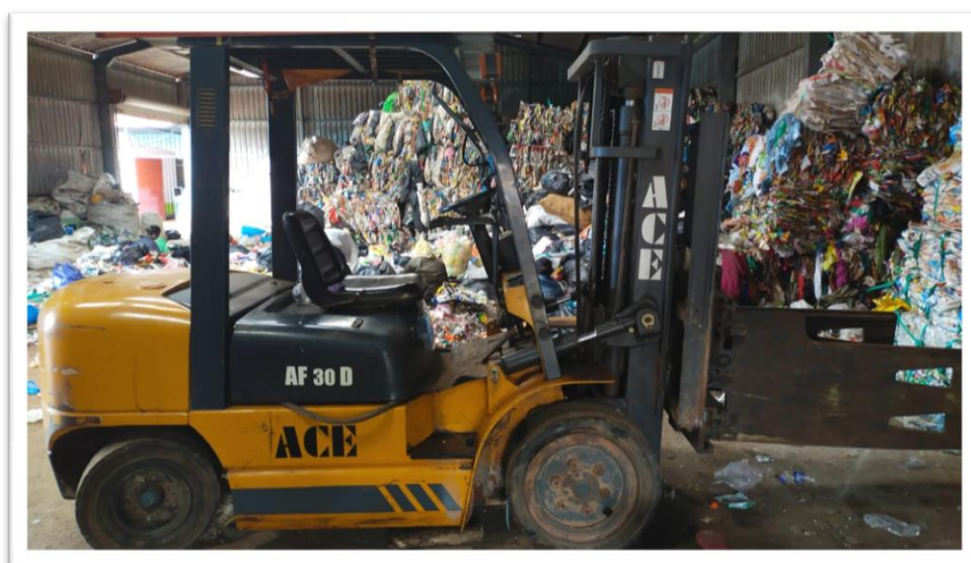
Workers at the baling machine



Workers at the conveyor belt



Workers at the conveyor belt



Forklift machine

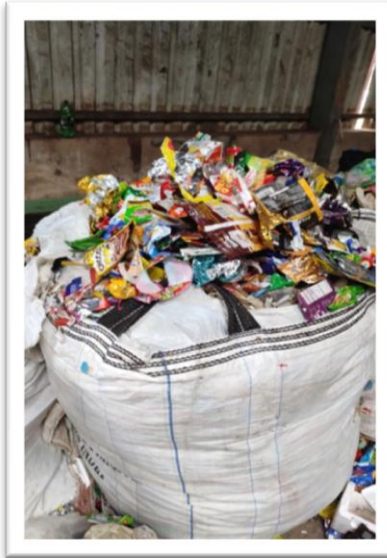


Segregated PET

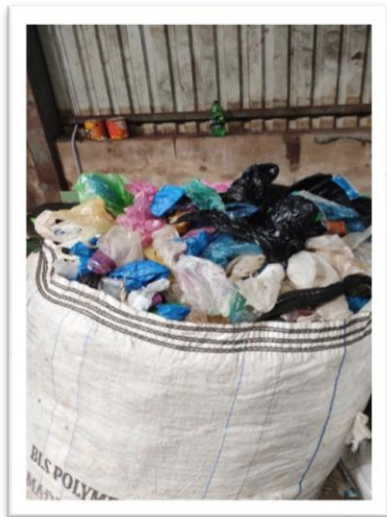


Segregated beer tins

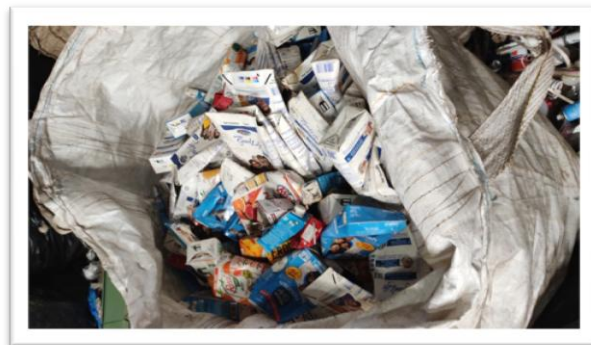




Segregated multi layered plastics (MLP)



Segregated single-use carry bags



Segregated tetra packs