



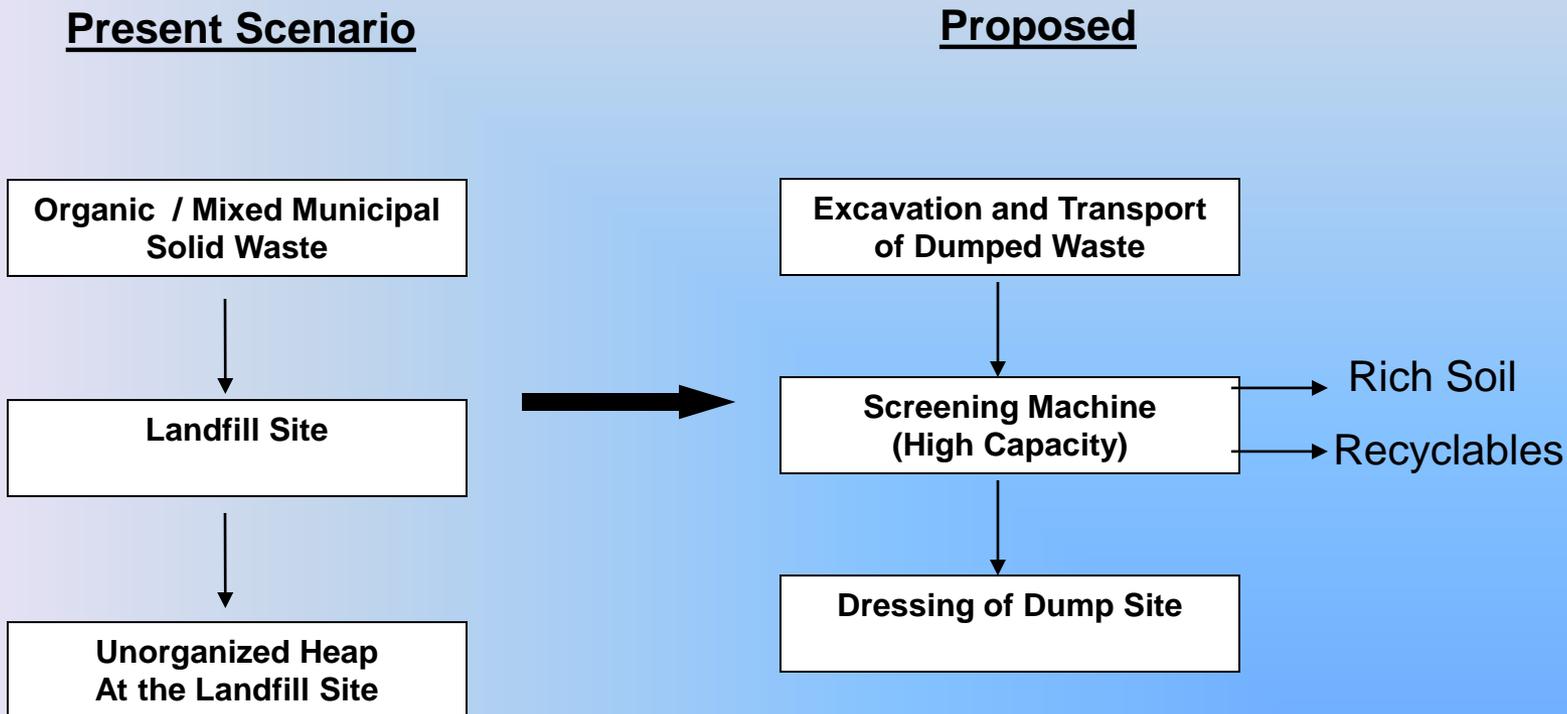
# Jainum

Food & Waste Projects Pvt. Ltd.



# LAND RECLAMATION PROJECT (Capacity 5 to 40 Ton Per Hour)

## PROPOSED PROCESSING STEPS



## KEY FOCUS OF THE PROJECT

- Processing of Old dumped waste lying on the dumping ground and recovery of Useable Products.
- Recovery of the Land for Future Use or setting up of Waste Processing Facility.
- Recovery of Combustible / Recyclable fraction lying in the dump site.
- Use of screened dump soil as Land Filing or Filler Soil for Agricultural use.

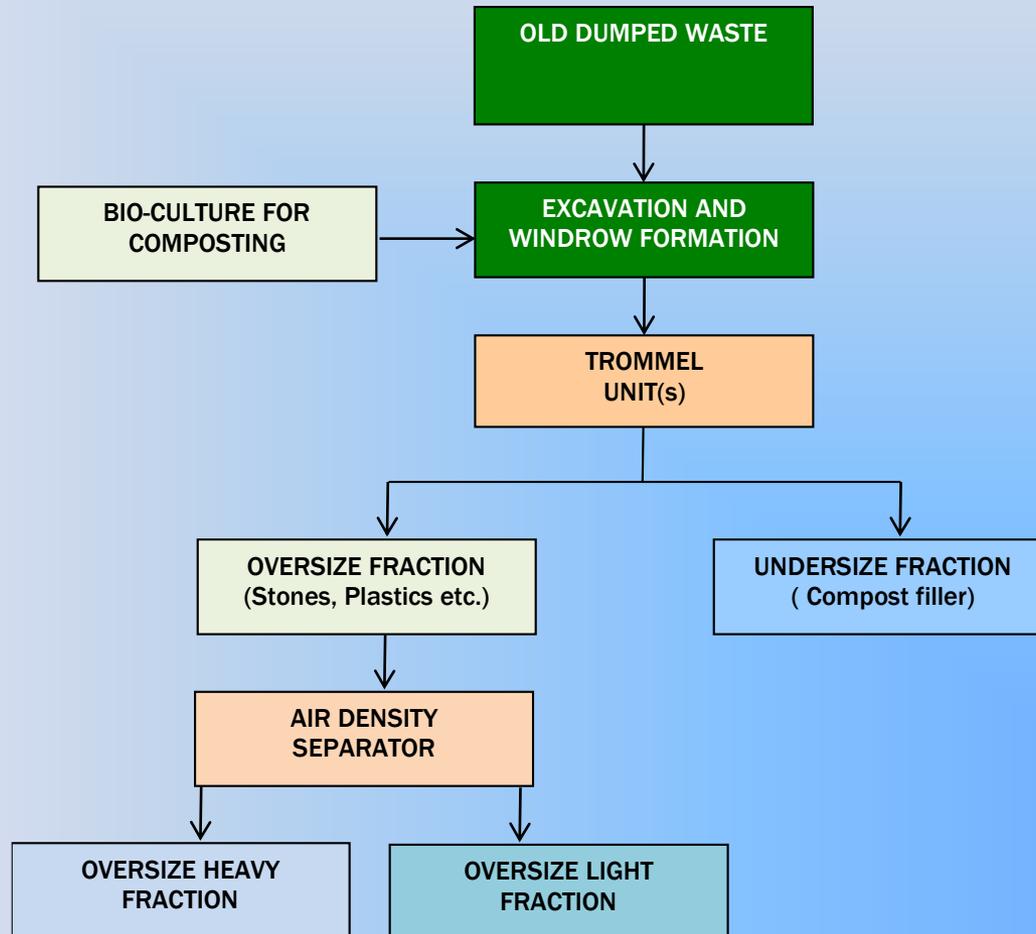
## RECLAMATION OF LAND

Reclamation of land will be done as per CPCB guidelines of February 2019. Key takeaways from guidelines:

- Screening of Legacy Waste to recover valuable resources like Organic Matter, Plastics, Rags, Metals etc.
- Windrow formation of the excavated waste to allow composting of the recently dumped waste.
- Multi-stage screening of the waste to ensure maximum recovery.
- Shredding, Bailing and other processes to facilitate prompt selling of the recovered products.



# RECLAMATION OF LAND



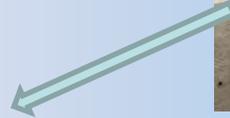
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Old Dumped Waste  
Excavation and Windrowing



Material Shifting  
and Feeding



Inorganic Fraction  
Like Plastic, paper etc.



Fine Sand and Compost

## PROCESSING

- Old Dumped waste is excavated using Excavators and windrow formation is done for proper digestion (using organic culture) and drying of waste.
- After 1-3 weeks or as per process requirement send the material to Screening Section.
- Waste is now fed using a Loader on the Feeder Conveyor ( or Moving Bed Feeder) at a pre-specified rate.
- Screened Material coming out of the unit is stored in a form of a Heap, which is moved as per onward process.

# SCREENING SECTION

## **SCREENING SECTION EQUIPMENT**

Screening Section consists of following equipments:

1. Moving Bed Feeder (Optional)
2. Feeder Conveyor
3. Single / Multi Stage Trommel
4. Undersize Conveyor(s)
5. Oversize Conveyor
6. Air Density Separator.



მზ-იოაზ გზ-ზმეპდოლ



# შპს-ს "საინჟინერო-სამშენობლო"



მზ-იოპს გზ-ზემეპდოშ



## ENRICHED SOIL

- Undersize Material coming out of the Screening Section is mostly Enriched soil containing both soil and organic manure. This can be sold to farmers or disposed in low lying area.



## **NON-ORGANIC WASTE SORTING**

- Waste coming out of Section constituting mostly non-organic fraction is further sorted to recover high valued recyclables.
- Other Combustible fraction can be Bailed and sold to Boiler users.







# THANK YOU

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