



Jainum

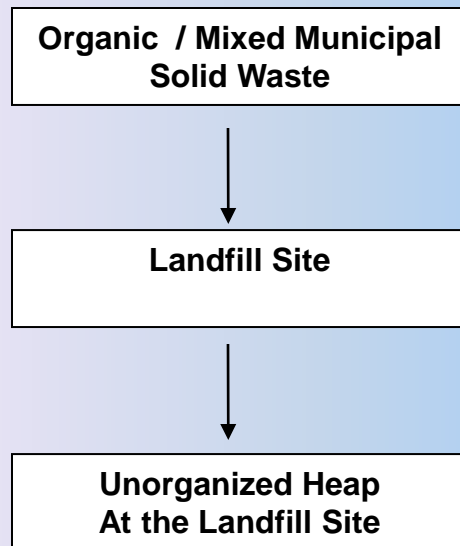
Food & Waste Projects Pvt. Ltd.



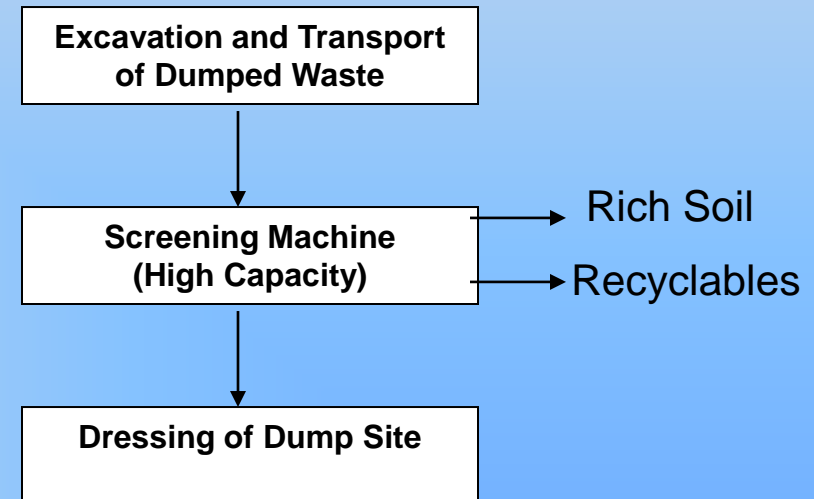
LAND RECLAMATION PROJECT (Capacity 5 to 40 Ton Per Hour)

PROPOSED PROCESSING STEPS

Present Scenario



Proposed



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.

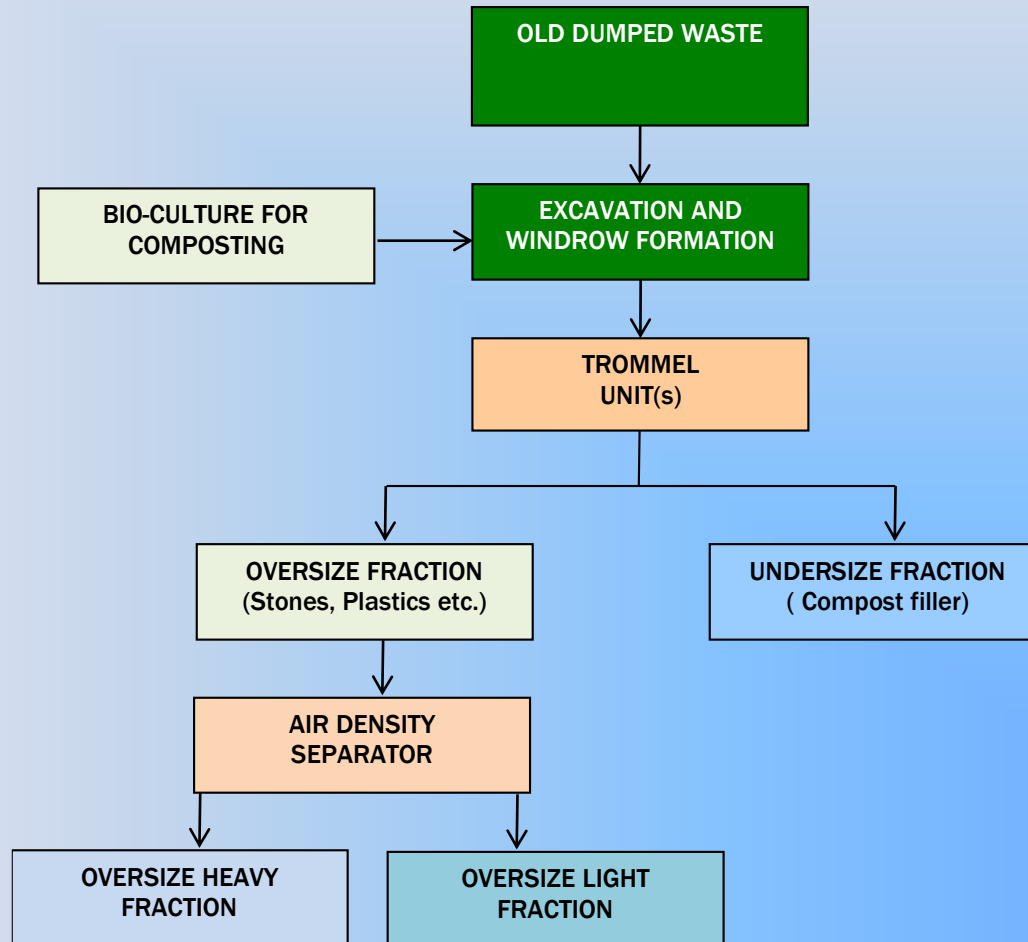
RECLAMATION OF LAND

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



**P
R
O
C
E
S
S
I
N
G**



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-იციან გზ-ზემედიო



WASTE-TO-ENERGY



მზ-ი-ც-ა-ს-გ-ზ-მ-შ-ს-ო-რ-შ-ს-ო-ს



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

Administrative Office :

408, Apollo Square, 7/2, Dr. RSB Marg

Near Janjirwala Square

Indore - 452002 (M.P.) India

Ph.No. +91-731-4215354

Mob: +91-7000837374

Email : jainumprojects@gmail.com

Factory Office :

39-D, A.B. Road Industrial Area No. 1,

Behind TATA Exports,

Dewas - 455001 (M.P.) India

Ph.No. +91-7272-259770

Mob: +91-9406628881

Email : factory@jainumprojects.com

Website: www.jainumprojects.com