

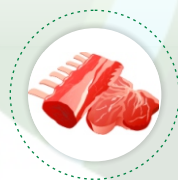


We **AVNI ENTERPRISES** are pleased to introduce ourselves as "**Waste Managers**". The burning desire of environment protection and maintaining the natural resources are the reasons for establishing this organization. The principle of **3R** i.e. **Reduce, Recycle and Reuse** is used for waste management.

The brief descriptions of various types of waste we are handling and treating are as follows.



Food and Canteen Waste



Slaughter House Waste



Vegetable & Market Waste



Dead Animal Waste



Biodegradable Municipal Solid Waste



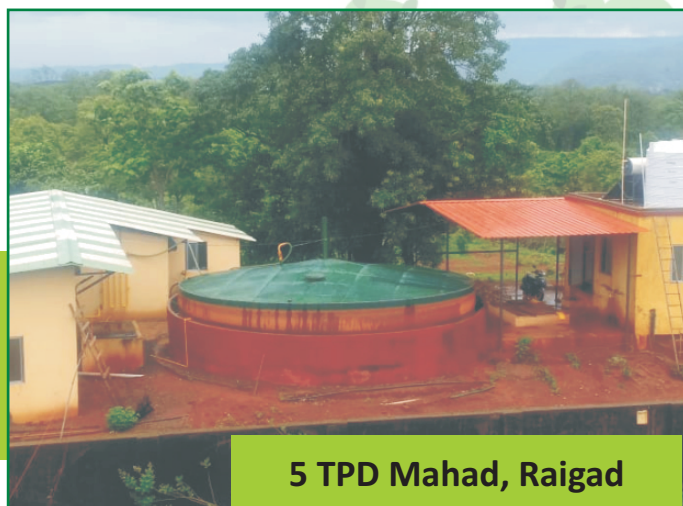
Garden Waste

The Waste Management is essential for

- Municipal Council & Corporations
- Fish & Food Processing Industries
- Slaughter Houses
- Hotels, Restaurants & Marriage Hall
- Institutional Canteens
- APMC Markets & Temples



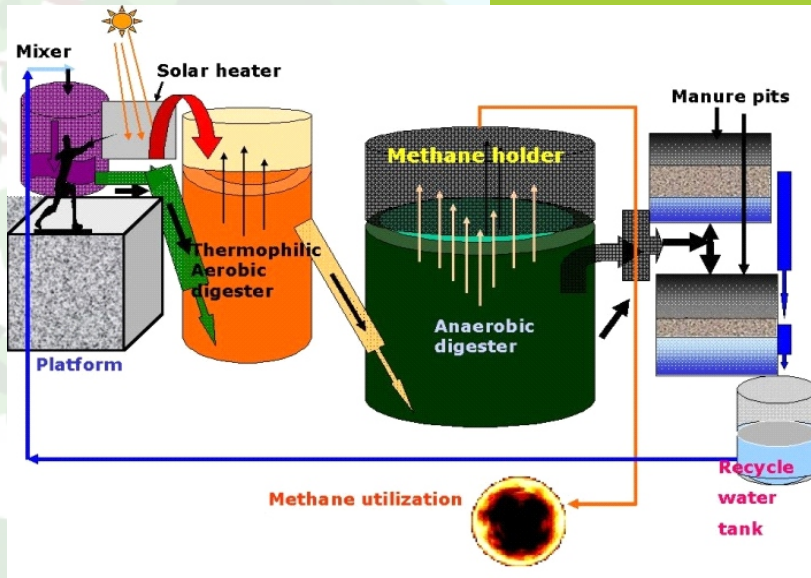
15 TPD Deonar Abattoir, Mumbai



5 TPD Mahad, Raigad

SALIENT FEATURES

- BARC (Bhabha Atomic Research Center) Authorized Technology holder for implementation of **NISARGRUNA Bio Gas Technology**.
- Empaneled Agency for implementation of "Gobardhan" (Bio Gas in Rural Area) Project by Govt. of Maharashtra.
- SITC of Bio gas plants (50 kg/day to 50 MT/day) Pre Fabricated / Modular / Civil Projects.
- SITC of Mechanical Composting Units for Housing Societies & Hotels. (Manual & Auto Models).
- Working in the field of Waste Management since 2002
- Installed more than 30 NISARGRUNA Biogas Projects in the state of Maharashtra, Goa & Gujarat.
- Well Qualified and Experienced Staff.
- End to End Solutions for Solid Waste Management.



ADVANTAGES

- Two Stage Mechanism.
- Floating Dome Technology.
- Compact Size, Minimum Space Required.
- Optimum Power & Water Consumption.
- Bio Gas & Nutrient rich Slurry as Output.
- Thermal / Electrical / CBG Application.

GAS UTILISATION



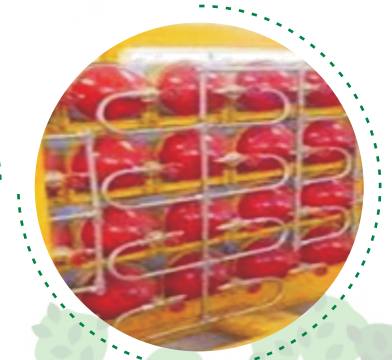
Cooking



Power Generation



Purification



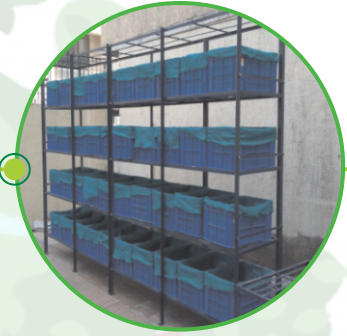
Compression

SUCCESSFUL PROJECTS

- 15 TPD Deonar Abattoir Project.
- 10 TPD Ayregaon KDMC Project.
- 5 TPD HAL Nasik Project.
- 5 TPD Vadodara Project.
- 5 TPD Mahad Project.
- 5 TPD Karjat Project.
- 500 kg * 6 DAE DCSEM Mumbai Project.
- 2 TPD Aadharwadi KDMC Project.

Intake Waste Cap. Kg/Day	Area in Sq. M.	Req. Power HP	Bio gas M3/day	Equivalent LPG	Elect. Units	Manure in Kg.
2000	250	25	80-100	40-50	120	80
5000	750	30	200-250	100-125	300	200
10000	1250	40	400-500	200-250	600	400
15000	1750	60	600-750	300-375	900	600
25000	4000	75	1000-1250	500-525	1500	1000

Is Space Constrain Stopping you to Start Composting Facility? Simple Way to Treat Household Waste Affordable Composting System



- ☞ Shredding of Segregated Wet Waste in Shredder
- ☞ Mixing in Rotating Drum with additives
- ☞ Harvesting / Curing in Curing system
- ☞ Organic manure is ready in 8 to 10 days

Material	HP	Capacity
MS & SS 304	2.0	50 Kg./hr
MS & SS 304	3.0	100 Kg./hr
MS & SS 304	5.0	300 Kg./hr

No. of Trays	Capacity
20	50 Kg.
30	75 Kg.
40	100 Kg.
80	200 Kg.

MECHANICAL COMPOSTING

- ☞ Smaller Quantities of Waste can be converted into Compost by using Shredders / Crushers & Curing System.
- ☞ Within 8 to 12 days good quality Organic Compost / Manure can be obtained.
- ☞ No Smell, No flies, No Nuisance.
- ☞ Approved by Municipal Authorities & Pollution Control Board.
- ☞ Available in 50 kg / day to 5000 kg / day capacity.



To Treat the Wet Waste in 1 Step with Minimum Space CONTINUOUS VERTICAL COMPOSTER - CVC

- Charging of Waste Material in CVC from Top
- Collect Organic Manure from Bottom
- Minimum Space Requirement
- Controlled Composting Conditions

Model	Capacity	Dimension L x W x H
C V C 25	25 kg/day	0.8 x 0.8 x 1.2 M
C V C 50	50 kg/day	1 x 1 x 1.5 M
C V C 100	100 kg/day	1.5 x 1.5 x 2 M
C V C 250	250 kg/day	2 x 2 x 2.5 M

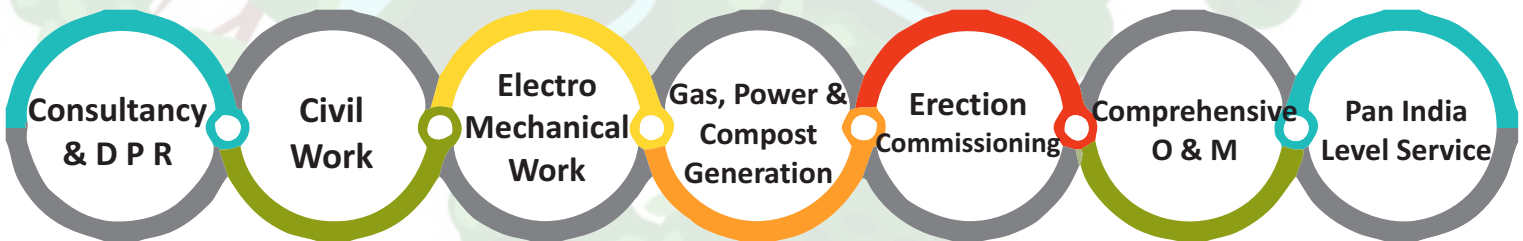
Sr. No.	No. of Flats	Per Day Qty. of Wet Waste in Kg.	Crusher	Curing System 100 SCS 200 DCS kg/day
01	50	25	1 No.	1 SCS
02	100	50	1 No.	1 SCS
03	150	75	1 No.	1 SCS
04	200	100	1 No.	1 SCS
05	300	150	1 No.	1 DCS
06	500	250	1 No.	1 DCS + 1 SCS
07	750	375	1 No.	2 DCS
08	1000	500	1 No.	2 DCS + 1 SCS

OUR SUCCESSFUL PROJECTS

- ☞ Viviana Mall, Thane
- ☞ Tata Amantra, Bhiwandi Bypass
- ☞ Parksyde Homes, Nasik
- ☞ Rustomjee, Thane
- ☞ Runwal, Mulund & Thane
- ☞ Raheja Acropolis, Govandi
- ☞ Sambhav CHS, Bhandup
- ☞ Kent Garden, Borivali
- ☞ Shreeji Heights, Navi Mumbai
- ☞ Tulsi Sagar CHS, Navi Mumbai
- ☞ KBMC, Badlapur

OUR ASSOCIATE BUSINESS

- Waste Water Treatment - STP & ETP
- Gas based Power Generation & Micro Turbine
- Solar Power Generation
- Rain Water Harvesting
- Plastic & e-Waste Recycling
- Supply of Organic Manure
- Supply of Composting Culture, Herbal Pesticide



**AVNI
ENTERPRISES**

Society to City Level Waste Management

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