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COMMUNITY COMPOSTING

A User's Guide



Researched by Savita Hiremath (www.SavitaHiremath.com)
Compiled by Ambar Nag

Blue HDPE Digester

Provider	Sudh Labh	
Method	Aerobic	
Capacity	6 kg per day / 10 households	
Ideal Community Size	5-50 households or small offices	
Add-on Supplies	Bioclean Cocopeat	
Infrastructure	100 sq ft covered space	
Processing Time	6 weeks	
Investment Cost	Rs. 8,000 per digester / Rs. 800 per HH	
Running Cost	Rs. 500 per month / Rs. 50 per month per HH	
Pros and Cons	Suitable for small community	Extra space required for loading/removal
Contact	Email: info@sudh-labh.in Phone: +91 96115 62720 (Nikhin) Website: http://www.sudh-labh.in/index.html	



Byobin

Provider	Pelican Biotech
Method	Aerobic
Capacity	300L to 600L
Ideal Community Size	50-300 households
Add-on Supplies	Inoculum
Infrastructure	Can be kept outside
Processing Time	45 days
Investment Cost	Rs. 1000 per household (For >250 households)
Running Cost	Rs. 50 per month per HH
Pros and Cons	Easy to operate



Contact

Email: contact@pelicanbiotech.com, tvvenkat2000@yahoo.com | Phone: +91 7204057502, 9447365542

Website: www.pelicanbiotech.com

ORBIN

Provider	ORBIN
Method	Aerobic
Capacity	20 Kg and below
Ideal Community Size	20 Households
Add-on Supplies	Bioclean Cocopeat
Infrastructure	2ft x 2ft
Processing Time	6 weeks
Investment Cost	Rs. 15,000 per Bin
Running Cost	Depends on the quantity of waste
Pros and Cons	Looks clean and easy to maintain

Contact

Email: anjana@orbin.in | Phone: +91 7259404888
Website: www.orbin.in

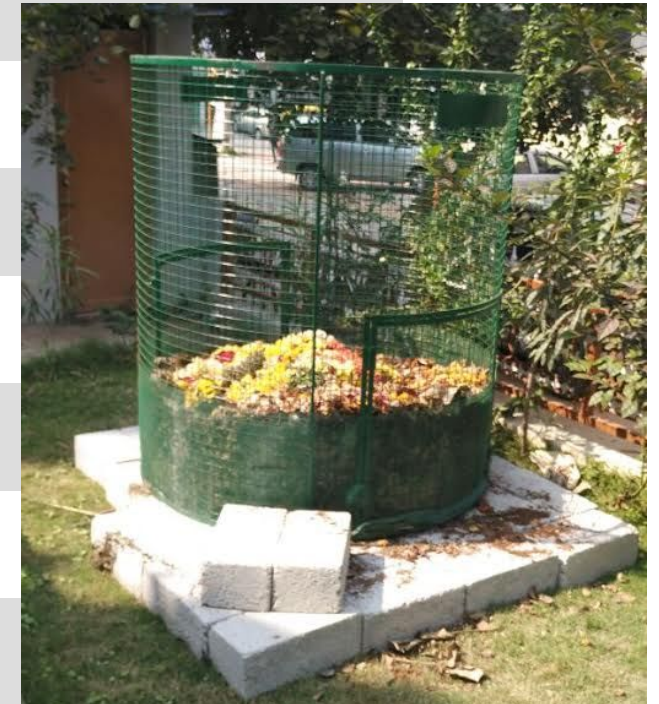


Marigold

Provider	Prudent Ecosystems	
Method	Aerobic	
Capacity	1kg/day to 100 Kg/day	
Ideal Community Size	Individual -500 households	
Add-on Supplies	Dry leaves	
Infrastructure	Can be kept in the open	
Processing Time	4 weeks	
Investment Cost	~2.75 lakhs/100 homes	
Running Cost	one labour is required for 2 hours/day	
Pros and Cons	handles large volumes	
Contact	Email: latha@prudentecosystems.com Phone: +91 9886003355 Website: www.prudentecosystems.com	

Soil and Health SWM consultant

Provider	Soil and Health Solutions
Method	Aerobic and Anaerobic
Capacity	20 Kg to 500 Kg
Ideal Community Size	20 HH to 500 HH
Add-on Supplies	Bioclean cocopeat
Infrastructure	Based on wet waste quantity
Processing Time	6 weeks
Investment Cost	2000/- to 3000/- per household
Running Cost	150/- per household/ month
Pros and Cons	Easy and effective way of managing organic composting and garden waste
Contact	www.soilandhealth.in , Vasuki.iyengar@gmail.com , Contact : 9845690778



FRP Digester

Provider	Sudh Labh
Method	Aerobic
Capacity	40-50 kg per day / 80 households
Ideal Community Size	50-500 households
Add-on Supplies	Bioclean Cocopeat
Infrastructure	150 sq ft covered space
Processing Time	10 weeks
Investment Cost	Rs. 63,000 per digester
Running Cost	Rs. 4,000 per month / Rs. 50 per month per HH
Pros and Cons	Cheap, handles large volumes needs a covered space
Contact	Email: info@sudh-labh.in Phone: +91 9964508833 Website: http://www.sudh-labh.in/index.html



FRP Digester

Provider	Vennar Organic	
Method	Aerobic	
Capacity	50 kg to 5000 KG /per day	
Ideal Community Size	50 - 1500 households	
Add-on Supplies	Bioculum	
Infrastructure	350 sq ft covered space	
Processing Time	3 weeks	
Investment Cost	5 lakhs and above	
Running Cost	20,000/- per month	
Pros and Cons	Handles large volumes	needs a covered space & electricity



Contact

Email: vennar10@gmail.com | Phone: +91 9844011329 (Narendra Babu)

Website: <http://www.Vennar.in>

Solar Composter

Provider	Shree Skanda solar systems
Method	Aerobic
Capacity	25 -300 kg per day
Ideal Community Size	Individual-250 households
Add-on Supplies	Saw dust/ Cocopeat
Infrastructure	4" X 4"
Processing Time	4 to 5 weeks
Investment Cost	Rs. 1.75 per digester / 30 households
Running Cost	Rs. 1000 per month / 30 households
Pros and Cons	Clean and Sturdy
Contact	Email: ysnagendra7@gmail.com Phone: +91 9886197121



Tallboy

Provider	Rite-ways
Method	Aerobic
Capacity	150 KGs upto 2 ton
Ideal Community Size	100 - 2000 households
Add-on Supplies	saw dust/ cocopeat, bioculture
Infrastructure	10 Sq.ft, 60 sq.ft can be kept outside. Need shelter space for pulverizer
Processing Time	15 days
Investment Cost	~2 lakhs - 6 lakhs
Running Cost	~2000/-
Pros and Cons	handles large volumes and easy to manage
Contact	Email: monika@rite-ways.com Phone: +919980780570 Website: www.rite-ways.com



3. OWC Aaga

Provider	Daily Dump
Method	Aerobic
Capacity	18 kg per day / 25 households
Ideal Community Size	50-200 households
Add-on Supplies	Remix powder
Infrastructure	40 sq ft covered space
Processing Time	4 weeks
Investment Cost	Rs. 75,000 per pair / Rs. 3,000 per HH
Running Cost	Rs. 1,000 per month / Rs. 40 per month per HH
Pros and Cons	Low maintenance, no odour
Contact	Email: hello@dailydump.org Phone: +91 99164 26661 Website: http://dailydump.org



Eco-Digester Biogas Plant

Provider	Eco Positive Solutions	
Method	Anaerobic	
Capacity	30 kg per day	
Ideal Community Size	50-500 households or restaurants	
Add-on Supplies	None (only water)	
Infrastructure	Shredder, plumbing	
Processing Time	Continuous	
Investment Cost	Rs. 3.25 lakhs incl. waste shredder <i>minus</i> Rs. 8,000 / month recovery	
Running Cost	Almost Nil	
Pros and Cons	Taps energy content of food waste which can be used for cooking etc.	Needs a shredder, difficult to process hard waste e.g. bones
Contact	Email: ecodigester@ecopositive.co.in Phone: +91 98454 52542 Website: http://futureip.com/portfolio/eco-ve	



BioUrja

Provider	GPS Renewables Pvt Ltd
Method	Aerobic
Capacity	50 kg - 2 tons per day
Ideal Community Size	75-3000 households
Add-on Supplies	AMC
Infrastructure	80 Sq.ft/ 50 KG to 1000 Sq.Ft/2 tons
Processing Time	Continuous
Investment Cost	Based on size
Running Cost	3000/- to 15000/-
Pros and Cons	handles large volumes



Contact

Email: rajesh@greenpowersystems.co.in | Phone: +91 9480189447
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Vermi Composter

Provider	Vermigold Ecotech Ltd
Method	Aerobic
Capacity	50 kg - 3 tons
Ideal Community Size	75 - 3000 h
Add-on Supplies	Dry leaves
Infrastructure	9 sq meters /50 households
Processing Time	10 days
Investment Cost	~Rs. 4 lakhs/ 50 HH, Rs. 13.5 lakhs/500 HH
Running Cost	Power is required for shredder
Pros and Cons	handles large volumes, Highly nutritious compost which can be sold at higher price.



Contact

Email: manohar.v@vermigold.com | Phone: +91 888 4444 121

Website: www.vermigold.com

E Save Biogas

Provider	E Save Promoters
Method	Biogas
Capacity	2kg per HH - 1 ton per 1000 HH
Ideal Community Size	Individual - 1000 HH
Add-on Supplies	Bioclean Cocopeat
Infrastructure	1 Sq meter to customised size
Processing Time	continuous
Investment Cost	25 K - 30 lakhs
Running Cost	1500/-
Pros and Cons	handles large volumes Recommended for Restaurants



Contact

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Website: www.esavepromoters.com

Title

Provider

Quantum leaf

Method

Anaerobic composter

Capacity

20 kg and below

Ideal Community Size

20 HH

Add-on Supplies

Bokashi bran, Cocopeat

Infrastructure

150 sq ft covered space

Processing Time

6 weeks

Investment Cost

40 -60k depending on requirements

Running Cost

2000/- per month

Pros and Cons

Easy, effective way of controlling smell and insects.

Contact

Email: sales.leaf@quantumleapguru.com | Phone: +91 9035274764

Website: www.facebook.com/quantumleafpage



5. Upgrade with plastic crates

Provider	Reap Benefit	
Method	Aerobic	
Capacity	1 crate = 10 kg organic waste 110 crates required per 100 HH	
Ideal Community Size	50-100 households	
Add-on Supplies	Upgrade Cocopeat Inoculant	
Infrastructure	200 sq ft covered space, Shredder	
Processing Time	4 weeks	
Investment Cost	Rs. 350 per crate / Rs. 400 per HH	
Running Cost	Rs. 75 per month per HH	
Pros and Cons	Inexpensive structure utilizing standard milk crates	More labour intensive due to large number of crates to move around
Contact	Email: info@reapbenefit.in Phone: +91-99866 15136 / +91-98863 61805 Website: http://reapbenefit.in	



6. Steel Mesh Composter

Provider **None** (DIY method devised by Rainbow Drive RWA)

Method **Aerobic**

Capacity **1 unit = 50 kg per day**

Ideal Community Size **200+ households or independent layouts**

Add-on Supplies **Sawdust, dry leaves**

Infrastructure **500 sq ft covered space**

Processing Time **6 weeks**

Investment Cost **Rs. 2,500 per unit / Rs. 50 per HH**

Running Cost **Rs. 100 per month (per HH almost Nil)**

Pros and Cons **Very cost effective**

Non-standard DIY design, no org support

Contact

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Address: Rainbow Drive Layout, opposite Wipro Corporate Office, Sarjapur Road, Bangalore

