



PARIVARTHANE VOL.10

COMPOSTING AT SOURCE (HOME)

The solid waste generation is growing day by day & it has been creating chaos among public & urban local bodies (ULBs). Due to scarcity of land & its potential to create pollution; there has been lot of demand for treatment & safe disposal of Solid waste. One of the solutions for handling can be Decentralized System. This initiative of composting at the source (Home) can make a difference to present scenario.

THE INITIATIVE

The **Daily Dump** started about 2 ½ years back with a core team of 3 members, 2 support members and Potter while making an prototypes. Daily Dump organization started with a basic motto of *contributing towards Environment*. They have designed & developed range of composting solutions, which can be carried out conveniently and hygienically. The design has been given by the Daily Dump organization. Many resource persons & students are involved in Daily Dump organization initiative.

ADVANTAGES:

Since the Design is suitable for a *family of 3-6 members*, this can be a solution for longer period, thus avoiding public nuisance. If Solid waste generation is more, then the number of compost pots would vary. Handling of compost pots is easy & the design is such that one can compost & grow plants (in few types of products). The compost generated can be used for gardening purpose. This type of composting can be encouraged at individual households in a Urban Local bodies. The investment cost is also affordable. The composted manure is good natural resource for plants, trees etc.

PRODUCTS FROM DAILY DUMP ORGANIZATION

1. Gamla:

There are 6 kinds of Gamlas available. The Gamla is a modified potted plant. Plants surround the organic waste while decomposition takes place in the central pipe. Gamlas are ideally combined with a Kambha to manage organic waste generated by a family of 4. A Gamla is ideal to keep next to the sink where you wash your utensils. The food waste that is remaining on plates can be scrapped off





and put into the Gamla for it to compost over time. Four types of Gamlas are available for sale and the price varies from Rs. 50 to Rs. 100 (without paint) & Additional charge for painting.

2. Kambha:

There are currently 2 kinds of Kambhas available. Both types come in a variety of forms. All of them

kambha



have the same operating principle. The Kambha has been designed to manage medium volumes of kitchen and garden waste without taking up too much space. It has three modular parts that allows the user to convert organic home waste into compost easily. Ideally a Kambha can be combined with a Mota Lota and a Leave-It Pot. Or you can choose to use a pair of Kambhas to manage your waste. Four types of Kambhas are available for sale and the price

varies from Rs. 150 to Rs. 600 (without paint) & Additional charge for painting.

3. Patta Kambha:

Currently there are 2 types of Patta Kambha - one with a single container and the other with three containers. Both types come in two variations - with plant or without plant at the bottom. The Patta Kambha has been designed to act as a store cum composter for your garden waste. Usually dried leaves and twigs lie in an unsightly pile in a corner of the garden. The Patta Kambha stores these leaves and also composts them over time. It is primarily for garden waste, not for kitchen

patta kambha



waste. It has a contemporary form and can be placed next to your Kambha or Mota Lota to provide the dried leaves needed for those products. Six types of Patta Kambhas are available for sale and the price varies from Rs. 350 to Rs. 1000 (without paint) & Additional charge for painting.



4. Mota Lota:

This has been named because of its shape. This works similar to that of Kambha to manage large volumes of kitchen and garden waste without taking up too much space in your home. It has traditional form with three modular parts. Ideally Mota



Lota can be combined with Kambha & a leave it pot. Two types of Mota Lotas are available for sale and the price varies from Rs. 600 to Rs. 800 (without paint) & Additional charge for painting.

5. Leave it Pot:

As the name implies –the leave it pot is a store where you leave semi composted matter for some time



to allow it to fully mature. Currently there are 2 types of Leave-It Pots - one with holes for ventilation and one without. We recommend the ventilated Pot for half done composted material. The Pot without the holes is ideal to store fully done compost. The Leave-It Pot has been designed to act as a store for semi-composted material that is generated in other Daily Dump composters - the Mota Lota, Kambha, Patta Kambha and Gamla. It enables you to use your composter in an efficient manner since it releases space by allowing you to transfer the semi-composted matter into this Pot. It holds a large volume

and once you fill it in, you can let it be for a month to allow the semi-composted matter to mature into quality compost. Two types of Leave it Pots are available for sale and the price is Rs. 400 (without paint) & Additional charge for painting.

Tips for using daily dump products:

- Stir the waste daily. (Manual for handling will be provided along with the products)
- In case of excess moisture add dry leaves/ shredded papers.
- Turmeric powder also can be used to avoid Insects.
- It is suggested to keep the composter outside the home (garden, near the compound wall, Roof/ terrace etc), so as to ensure nil maggots problems.
- Naturally the composting process can be enhanced by addition of cow dung & Jaggery paste

Do's & Don'ts

| Do's | Don'ts |
|---|---|
| Put Fruits and vegetables | Coconut Husk & Shell. |
| Citrus fruits need to be cut into quarters | Paper plates with plastic lining and paper cups. |
| Mango and tamarind seeds. | Foil wrappers and shiny packaging of chocolates, sweets, biscuits, gutka and chewing gum. |
| Fish bones, chicken & meat need to be buried deep into the pile; do not overload the pile with bones. | Plastic bags and snipped corners of plastic milk packets. |
| Corn cob, sugar cane, watermelon, stalks of cauliflower and flowers all need to be cut into | Medicines. |



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| smaller bits. | |
| Tea bags can be dumped in after use Shred newspaper, old envelopes, paper tissue and cloth. | Dead animals, Animal hair, Human & animal droppings. |
| Cooked food and rotten vegetables. | Batteries, cigarette buds. |
| Coffee powder/decoction, tea leaves/ bags, tamarind pulp Egg shells need to be crushed. | Weeds and diseased plants. |

Sustainability:

Till now it's been a success story; even tough it has seen lot of difficulties in handling composting process like Fighting Maggots (even though this does not harm), odor, Rats, moisture content etc and it has been overcome to greater extent. The increasing number of customers is answer to sustainability. The major hurdle of convincing public to handle has been achieved to some extent. The design is such that even if one of the 3 three modular pots is broken, it can be replaced easily with new. The governments of Karnataka supporting the Daily Dump products by exempting the VAT since these products are made of terracotta.

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Feedback Form

1. Information from the **Parivarthane Vol. 10** is useful Yes No

2. Do you like to adopt Yes No

3. Further Topics recommended for **PARIVARTHANE**

4. Your comments

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Please mail your feedback to ra_cmak@yahoo.co.in, subash.cmak@gmail.com or send it CMAK office.