

Low-cost Vermicomposting by using RC-Vermi Bin

Flow chart of technology / process

Fibre Reinforce Plastic (FRP) hand lay-up technique is used for making the RC-Vermi Bin. Vermicomposting technique is similar as conventional method.

Area of application:

Organic Nutrient Management

Equipment required

Wooden frame, raisin, catalyst, accelerator, chopped strand net (fibre), surface net, colour pigment etc.) as required in small scale plastic industries.

Space requirement

600 sq. ft.

Plant set up cost

Rs. 1 lakh

Raw material and production cost

Rs. 3000/- per RC-Vermi Bin

Risks/opportunities involved in adopting the technology

There is no risk in adopting the technology, and the opportunity is enormous.

Cost of available alternate technologies to similar products

Rs. 10000/- for construction of conventional vermicompost unit

Details of benefits of the technology / process developed

The RC-Vermi Bin is light weight, portable, easily repairable and washable device made of plastic and raisin. Around 40 kg vermicom post can be produced within 90 days by using this bin. It can be place anywhere under shade that also save the cost of construction of shade. This unique device can drastically reduce the cost of vermicomposting.

