

## Recycle is the way...



The compost machine (**Biotech BX 100**) at Rizvi College of Arts, Science and Commerce (Hospitality Studies).

We at Rizvi college of arts, science & commerce (Hospitality studies) have installed the compost machine on 14th June 2018. We are a college that comes from the hospitality sector where we deal with food & beverages on a daily basis to understand the importance of food production & food and beverage subjects as well as to gain the knowledge of the same subjects which come under the curriculum of B.Sc. Hospitality Studies (hotel management).

However, it is mandatory to give practical exposure to our students of both the subjects as mentioned in the syllabus of B.Sc. Hospitality studies.

We also cater lunch to our students which is prepared by our second year B.Sc. Hospitality students as it is a part of their curriculum where they are supposed to learn food production in quantities.

The main reason for installing this machine is to an environmentally friendly institute. As we mentioned already, we deal with food and beverages, we also

have wastage or leftover food since we cater food to more than 500 students on a daily basis. And there are a total of six kitchens in the operation. The college premise also has a canteen where we receive waste or leftover food.

Here, when the college is in full operation, we get 70 kg of wet garbage to process in the machine, out of which we remove 85 kg of fertilizer from the machine, which we give to those who need it.

We have our housekeeping staff who sort the dry garbage and wet garbage once we receive it from the kitchen department. Later, we send it to the machine for processing.

The following are the benefits of the machine.

- It can be operated by two people on daily basis.
- The machine technology can compost organic waste without the need for a landfill or incineration or any other compost treatment technique.
- The machine can convert any kind of organic waste into high quality compost manure. Food waste such as vegetables, non-vegetables, eggs, fish, crab, small bones, fruit and vegetable peels, and meals leftover are commonly converted into compost.
- The operating expenditure of a composting machine is low because the costs of rent, inventory, insurance, research and development, payroll, and other operating costs are negligible.
- A composting machine pasteurizes organic waste. The pasteurization process removes pathogens and extends the shelf life of the compost. This makes it safe for human handling.
- Sterilization kills, deactivates, or otherwise eliminates all forms of life and other biological agents such as fungi, bacteria, viruses, and other biohazard organisms which are present in the compost. This reduces the risk of people contracting diseases while using the compost.
- The machine is built with a stainless steel tank that has a lifespan of more than 20 years.
- Those who are in need of the organic waste composting machine have flexible procurement methods. They can opt to buy or hire or lease.

[http://www.rizvicollege.edu.in/aqarimages2020\\_21.html#713](http://www.rizvicollege.edu.in/aqarimages2020_21.html#713)