

**Indapur Taluka Shikshan Prasarak Mandal's
Arts, Science and Commerce College Indapur, Indapur**

Department Of Zoology

Best Practice

1. Title of the Practice:

Sustainable organic solid waste management.

2. Objective of the practice:

Objective of the Sustainable waste management practice is to convert organic waste coming from Girls hostel's kitchen, and gardens of college into compost by using Vermicomposting technique thereby achieving dual outcomes of sustainable waste management and its use as organic compost.

3. The Context:

Lot of waste is generated from discarded flowers from leaves falling source. Organic waste includes trees flowers, Vegetables wastes and leaves etc. Garden waste involves leaves, branches etc. while kitchen waste includes leftover foods and vegetables. Maintaining physio-chemical parameters such as temp, pH, electrical conductivity, moisture content and volatile solid samples is quite very essential to obtaining nutrient rich manure and require consistent monitoring.

4. The Practice:

Compost pit are formed for the purpose of vermicomposting at behind of Chemistry department. Zoology Department has also coordinated with the Girls hostels in creating onsite vermicomposting pits. The pits are filled with organic waste daily. Each pit has capacity of 100-200 kg. Organic waste is thoroughly mixed with cow dung. Uniqueness of this project lies in the fact that it has a potential for skill development and employment generation The setup cost is minimal and the return on investment is good.

5. Evidence of Success:


We are converting 30-40% of waste into compost using, Vermicomposting capacity of 100-200kg. The compost is of good quality. The manure is used in college botanical garden and college campus trees for enriching the soil.

6. Problems encountered and Resources required:


No major problems are encountered as such in converting waste to Organic compost. However, they nurture the growth of pest and pathogens such as fruit flies and centipede.

7. Notes (Optional)

Same practice can be adopted by other Institutions/ Schools as well.


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