

GAJWEL

SIDDIPET DISTRICT, TELANGANA

BEST PRACTICES



DEPARTMENT OF BOTANY

GOVERNMENT DEGREE COLLEGE

GAJWEL.

BEST PRACTICE-II-DEPARTMENT OF BOTANY

- I. **Title of the practice**:- A study on the solid waste management utilization.
- II. **Objectives of the practice**:- The practice has been implemented following objectives.
 - a. To make the students aware of the proper disposal of the waste.
 - b. The waste dumped is useful as bio-fertilizers.
 - c. The collected waste may be recycled.
 - d. The waste is processed to yield economic products like bio-manure.
 - e. The proper disposal of the waste keeps away stinking problems.
- III. **The context**:- Students of BSC group along with the staff member of Dept. of botany did a field survey at resource park, Mandapally, away from Siddipet and collected all the data from dump yard. It was found that the collected waste is segregated into dry and wet.
 - Dry items are sold out.
 - Wet waste is kept in heaps.

These heaps in turn are processed for 3 different purposes of making of:

- a. Vermin compost
- b. Decomposing
- c. Bio-gas

It is a 5-step process:

Step I- Curing of heaps.

Step II- formation of black color compost.

Step III- Cutting of compost in small pieces.

Step IV- Mixing of earthworms.

Step V- Compost ready to be sold out (Rs 5/kg).

The practice-uniqueness:- A novel idea introduced by municipality was brought out into society at both campus level and household level. Awareness is continuously to all institutions at campus where pits measuring 3*3 feet are dug and daily household wastes can be done, they are mixed with earth and curing is done for 100 days.

In our campus hostel building is in vogue for this practice and they are preparing compost like this and utilizing for plants, which is a good source of bio-fertilizer. Such compost is rich in nutrients too.

Resources required:- More awareness should be brought by the municipality to the general public.

- Agricultural market, co-operatives can also cater to the program.
- The farmers should be encouraged for vermin-compost.
- The utility of bio-gas should be explained to the people.
- People should be advised to separate dry and wet waste.

Follow up work:- Awareness program is done in our campus institutions to their pits in the building and prepare the compost with left over's and the program is in continuous practice too.