VERMI CULTURE & ORGANIC MANURE

1. INTRODUCTION

Use of vermiculture and organic manure will improve the yield of the various crops as it is effective and natural.

2. RAW MATERIALS

Deoiled caster cake, need cake, mustard cake, bone meal, poultry manure/cow dung, gypsum, press mud, micro bacteria, municipal waste, coconut pith, earth worms etc.

3. MANUFACTURING PROCESS

a) Vemiculture

Pits are prepared as per the standard. Initially thick coir pith is spread on the floor, over which cow dung and then water is sprayed. 3000-4000 special variety of earth worms are released into each pit. The solid waste to be processed is then spread above the earth worms. Alternate layers of cow dung and wastes are spread and finally covered with a wet jute cloth for retaining moisture. The pits are kept moist by spraying water in the morning and in the evening for 45 to 50 days. By this time, the earth worms get multiplied and the waste get processed to vermi-compost, a bio-fertilizer.

b) Organic Manure

Known quantities of predetermined materials such as de-oiled caster cake, neem cake, mustard cake, bone meal, poultry or cattle dung, gypsum, tobacco powder and press mud, etc. are mixed in proportion and powdered using hammer mill and blended. The mix is then screened using vibrating screen and stored in a tank through a conveyor and a bucket elevator.

4. MANPOWER REQUIREMENT: 16

5. PROJECT COST

Total Project Cost	Rs. 52.77 lakhs
Working Capital	Rs. 12.31 lakhs

6. COST OF PRODUCTION / PROFITABILITY

Annual Turnover	Rs.86.40 lakhs
Profit before Tax	Rs. 9.90 lakhs

Production capacity :

It is envisaged to produce goods worth Rs. 86.40 lakhs

List of Plant, Machinery & equipment :

1 Hammer mill
2 blender
3 shredder
4 water pump
5 screw conveyor,
6 bucket
7 elevator
8 weighing machines
9 bag stitching machine
10 vibrating screen
11 MS tank