KHADI & VILLAGE INDUSTRIES COMMISSION
PROJECT PROFILE FOR GRAMODYOG ROJGAR YOJANA

PROJECT PROFILE ON PRODUCTION OF ENRICHED BIO-DIGESTED SLURRY UNDER REBT (BIO-TECHNOLOGY WING)

The biogas technology is attributed with dual benefits in the form of supply of a clean and high calorific fuel to meet the domestic fuel needs of rural areas and provision of anaerobicaly digested slurry with high manurial value. In addition to this, it is known to reduce the pathogenic load of night soil at a substantial level when toilets are attached to the biogas plants. Hence, it is an eco-friendly technology helping to reduce the destruction of forests by offering a fuel alternative to wood at the doorstep of the house and accruing a social benefit in way of alleviation of the drudgery of women in collection of firewood and cooking. It is also an environmentally sound technology as it provides a safe method for disposal of organic waste preventing spread of diseases and controlling pollution. Considering all these attributes together, the nutrient recovery through anaerobic digestion in biogas plant represents a more economic and efficient option in obtaining good quality manure for our farming system

1 Name of the Product : Enriched Bio-Manure

2 Project Cost :

a Capital Expenditure

Land	:		
Building Shed 1200 sq.ft.		Rs.	240000.00
Equipment Biogas Plant (2-145Cum & 1-25 Cum) Shovel for Mixing, Sieving M/c., Cutter & Blender, Sewing M/c., Breeder Box, Mini Tractor		Rs.	512000.00
Total Capital Expenditure		Rs.	752000.00
b Working Capital		Rs.	185000.00
TOTAL PROJECT COST	**:**	**Rs.**	**937000.00**

3 Estimated Annual Production of Enriched Bio-Manure (Value in '000)

Sr.No.	Particulars	Capacity (Mtonne)	Rate	Total Value
1	Enriched Bio-Manure	500.00	2.268	1134.28
	TOTAL	**500.00**		1134.28

4	**Raw Material**	**:**	**Rs.**	**340000.00**
5	**Lables and Packing Material**	**:**	**Rs.**	**10000.00**
6	**Wages (Skilled & Unskilled)**	**:**	**Rs.**	**300000.00**
7	**Salaries**	**:**	**Rs.**	**90000.00**
8	**Administrative Expenses**	**:**	**Rs.**	**10000.00**
9	**Overheads**	**:**	**Rs.**	**240000.00**
10	**Miscellaneous Expenses**	**:**	**Rs.**	**15000.00**
11	**Depreciation**	**:**	**Rs.**	**63200.00**
12	**Insurance**	**:**	**Rs.**	**7520.00**
13	**Interest (As per the PLR)**			
	a. C.E.Loan	:	Rs.	97760.00
	b. W.C.Loan	:	Rs.	24050.00
	Total Interest		**Rs.**	**121810.00**
14	**Woring Capital Requirement**	**:**		
	Fixed Cost		**Rs.**	**220280.00**
	Variable Cost		**Rs.**	**914050.00**
	Requirement of WC per Cycle		**Rs.**	**185055.00**

15 Cost Analysis

Sr.No.	Particulars	Capacity Utilization(Rs in '000)			
		100%	60%	70%	80%
1	**Fixed Cost**	220.28	132.17	154.20	176.22
2	**Variable Cost**	914.00	548.40	639.80	731.20
3	**Cost of Production**	1134.28	680.57	794.00	907.42
4	**Projected Sales**	1750.00	1050.00	1225.00	1400.00
5	**Gross Surplus**	615.72	369.43	431.00	492.58
6	**Expected Net Surplus**	553.00	306.00	368.00	429.00

Note : 1. All figures mentioned above are only indicative and may vary from place to place.
2. If the investment on Building is replaced by Rental then
a. Total Cost of Project will be reduced.
b. Profitability will be increased.
c. Interest on C.E.will be reduced.