"KVIC- PMEGP

PROJECT PROFILE ON BIO- DIGESTED SLURRY

Introduction :

The biogas technology is attributed with dual benefits in the form of supply of 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 accuring 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 : **Bio Digested Slurry**

2 Project Cost :

a	Capital Expenditure			
	Land	:		**Own**
	Work shed in sq.mts rented	1000	Rs.	200,000.00
	Equipment	:	Rs.	1,875,000.00
	Bio Gas Plant 85 Cumt Capacity (3 Plants), Shovel for Mixing, Sieving Machine, Cutter & Blender, Sewing Machine, Drying bed of Size 20' x 10' x 3' Total (20 nos)			
	Total Capital Expenditure		Rs.	2,075,000.00
b	Working Capital		Rs.	400,000.00
	TOTAL PROJECT COST :		**Rs.**	**2,475,000.00**

3 Estimated Annual Production Capacity: **(Rs. in 000)**

Sr.No.	Particulars	Capacity in No./annum	Rate	Total Value
1	BioGas & Bio Manure	85000.00	2040.00	2577.50
TOTAL		**85000.00**	**2040.00**	**2577.50**

4 Raw Material : Rs. 765,000.00

5 Labels and Packing Material : Rs. 50,000.00

6 Wages (5-Skilled & 15 UnSkilled) Rs. 1,000,000.00

7 Salaries 1- Manager/ Enterprenure Rs. 120,000.00

8	Administrative Expenses	:	Rs.	100,000.00
9	Overheads	:	Rs.	125,000.00
10	Miscellaneous Expenses	:	Rs.	75,000.00
11	Depreciation	:	Rs.	197,500.00
12	Insurance	:	Rs.	20,750.00
13	Interest (As per the PLR)			
	a. C.E.Loan	:	Rs.	269,750.00
	b. W.C.Loan	:	Rs.	52,000.00
	Total Interest		Rs.	321,750.00
14	Working Capital Requirement	:		
	Fixed Cost		Rs.	585,500.00
	Variable Cost		Rs.	1,992,000.00
	Requirement of WC per Cycle		Rs.	429,583.00

15 Cost Analysis

Sr.No.	Particulars	Capacity Utilization(Rs in '000)			
		100%	60%	70%	80%
1	Fixed Cost	585.50	351.30	409.85	468.40
2	Variable Cost	1992.00	1195.20	1394.40	1593.60
3	Cost of Production	2577.50	1546.50	1804.25	1862.80
4	Projected Sales	3500.00	2100.00	2450.00	2800.00
5	Gross Surplus	922.50	553.50	645.75	738.00
6	Expected Net Surplus	725.00	356.00	448.00	541.00

Note : 1.All figures mentioned above are only indicative.
2.This is model project profile for guidence
3.Cost of Project, and its priofility will be changed depends on the area, availability of raw Material, man power, power requierement and various other factors etc..