

Khadi and Village Industries Commission Mumbai

PROJECT PROFILE ON PLASTER OF PARIS

Introduction :

Plaster of Paris, which is calcium sulphate with half molecule of water of crystallization ($\text{CaSO}_4 \cdot \frac{1}{2} \text{H}_2\text{O}$). It possesses outstanding property of setting and subsequent hardening when mixed with water.

Plaster of Paris is extensively used in ceramic industry for the preparation of models, moulds and plaster toys. It is also used as a main raw material in the manufacture of chalk crayons, gypsum plaster boards, decorative picture frames besides a wide range of applications in the interior decoration of buildings and other establishments.

1 Name of the Product : **PLASTER OF PARIS**

2 Project Cost :

a Capital Expenditure

Land	:			Own
Work shed in sq.ft rented		0	Rs.	-
Equipment	:		Rs.	168,000.00

Rotary Cylindrical drum calcines capacity 2 MT (fabricated), Attrition Disc Pulveriser 1/2 MT/Hr. with 7 HP Motor and other accessories, Erection and installation charges @ 10%, Office equipment such as furniture and almirah etc., Pre-operative expenses, Pre-operative expenses.

Total Capital Expenditure		Rs.	168,000.00
b Working Capital		Rs.	245,000.00
TOTAL PROJECT COST :		Rs.	413,000.00

3 Estimated Annual Production Capacity:

(Rs. in 000)

Sr.No.	Particulars	Capacity in MT.	Rate	Total Value
1	PLASTER PARIS	900.00	1670.00	1502.52
TOTAL		900.00	1670.00	1502.52

4 Raw Material	:	Rs.	510,000.00
5 Labels and Packing Material	:	Rs.	85,000.00
6 Wages (1-Skilled & 1- Unskilled)		Rs.	432,000.00
7 Salaries (1-Manager)		Rs.	120,000.00

PAGE (2)

8	Administrative Expenses	:	Rs.	120,000.00
9	Overheads	:	Rs.	120,000.00
10	Miscellaneous Expenses	:	Rs.	60,000.00
11	Depreciation	:	Rs.	16,800.00
12	Insurance	:	Rs.	1,680.00
13	Interest (As per the PLR)			
	a. C.E.Loan	:	Rs.	21,840.00
	b. W.C.Loan	:	Rs.	31,850.00
	Total Interest		Rs.	53,690.00
14	Working Capital Requirement	:		
	Fixed Cost		Rs.	323,520.00
	Variable Cost		Rs.	1,178,850.00
	Requirement of WC per Cycle		Rs.	250,395.00

15 Cost Analysis

Sr.No.	Particulars	Capacity Utilization(Rs in '000)			
		100%	60%	70%	80%
1	Fixed Cost	323.52	194.11	226.46	258.82
2	Variable Cost	1179.00	707.40	825.30	943.20
3	Cost of Production	1502.52	901.51	1051.76	1084.12
4	Projected Sales	1800.00	1080.00	1260.00	1440.00
5	Gross Surplus	297.48	178.49	208.24	237.98
6	Expected Net Surplus	281.00	162.00	191.00	221.00

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