

**ELECTRO STATIC POWDER COATING****Introduction**

Electrostatic powder coating - process is a simple technique to cover metallic surfaces by coating the powder. It is superior to conventional solvent base, liquid coating (spray painting) because it contains no solvent, its performance is better, it is free from pollution and the wastage is quiteless.

**PROCESS AND SOURCE OF TECHNOLOGY**

The surface of job to be coated is prepared by processing it in pretreatment tanks thereafter the job is sprayed with the help of power coating equipment. After coating the job is taken out from booth and shifted to curing oven. The job is cured in the oven at 180 Deg.C for about 10-15 minutes.

1 **Name of the Product :** **ELECTRO STATIC POWDER COATING**

2 **Project Cost :**

a Capital Expenditure

Land : Own

Workshed in sq.ft 600 Rs. 120,000.00

Equipment : Rs. 500,000.00

Total Capital Expenditure Rs. 620,000.00

b Working Capital Rs. 150,000.00

**TOTAL PROJECT COST : Rs. 770,000.00**

3 **Estimated Annual Production Capacity:**

(Rs. in Lakhs)

Sr.No.	Particulars	Capacity in Quintals	Rate	Total Value
1	Metal Powder	240000.00	3.85	894.80
<b>TOTAL</b>		<b>240000.00</b>	<b>3.85</b>	<b>894.80</b>

4 **Raw Material** : Rs. 250,000.00

5 **Packing Material** : Rs. 10,000.00

6 **Wages (3-Skilled & 3-Unskilled)** : Rs. 288,000.00

7 **Salaries 1 Manager** Rs. 120,000.00

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8	Administrative Expenses	:	Rs.	45,000.00
9	Overheads	:	Rs.	60,000.00
10	Miscellaneous Expenses	:	Rs.	15,000.00
11	Depreciation	:	Rs.	56,000.00
12	Insurance	:	Rs.	6,200.00
13	Interest (As per the PLR)			
	a. C.E.Loan	:	Rs.	80,600.00
	b. W.C.Loan	:	Rs.	19,500.00
	Total Interest		Rs.	100,100.00
14	Working Capital Requirement	:		
	Fixed Cost		Rs.	266,800.00
	Variable Cost		Rs.	627,500.00
	Requirement of WC per Cycle		Rs.	149,050.00

**15 Cost Analysis**

Sr.No.	Particulars	Capacity Utilization(Rs in '000)			
		100%	60%	70%	80%
1	Fixed Cost	266.80	160.08	186.76	213.44
2	Variable Cost	628.00	376.80	439.60	502.40
3	Cost of Production	894.80	536.88	626.36	653.04
4	Projected Sales	1250.00	750.00	875.00	1000.00
5	Gross Surplus	355.20	213.12	248.64	284.16
6	Expected Net Surplus	299.00	157.00	193.00	228.00

- Note :
1. All figures mentioned above are only indicative.
  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.