

KVIC- PMEGP

PROJECT PROFILE ON PHOSPHOR BRONZE BUSHES

Introduction

An alloy of copper with other elements like Tin & Phosphorus is called phosphor bronzes generally phosphor bronze contains Tin up to 10-12% and Phosphorus up to 0.3% apart from copper & other elements. Addition of Phosphorus improves foundry properties raises hardness, strength elastic properties & specially corrosion resistance and anti friction properties which makes it suitable & making bushes where antifriction properties alongwith strength are required. Phosphor Bronze Bushes have wide applications in engineering marine & automobile industries.

Name of the Product : **PHOSPHOR BRONZE BUSHES**

2 Project Cost :

a Capital Expenditure

Land	:			Own
Work she sq.mtrs		0	Rs.	
Equipment			Rs.	292,000.00

(1)Oil fired tilting furnace with graphite crucible ,100 kg capacity with 2 HP motor blower & Burner(2)F/c oil tank with pipe line connection and immersion heater.(3)Precision lathe m/C 4ft.(4)Bench Grubder 1P Motor (5)Weighing machine 100kg capacity(6)Misc Tools & Accessories (9)Office equipment (10)Installation & Electrification charges @ 10%of above.

Total Capital Expenditure Rs. **292,000.00**

b Working Capital Rs. **1,275,000.00**

TOTAL PROJECT COST : Rs. **1,567,000.00**

3 Estimated Annual Production Capacity:

(Rs. in 000)

Sr.No.	Particulars	Capacity in tons	Rate	Total Value
1	PHOSPHOR BRONZE BUSHES	25.00	295235.00	7605.88
TOTAL		25.00	295235.00	7605.88

4 Raw Material : Rs. **6,552,000.00**

5 Labels and Packing Material : Rs. **35,000.00**

6 Wages (3-Skilled & 3-Unskilled) : Rs. **432,000.00**

7 Salaries -1 manager Rs. **120,000.00**

PAGE (2)

8	Administrative Expenses	:	Rs.	100,000.00
9	Overheads	:	Rs.	95,000.00
10	Miscellaneous Expenses	:	Rs.	65,000.00
11	Depreciation	:	Rs.	29,200.00
12	Insurance	:	Rs.	2,920.00
13	Interest (As per the PLR)			
	a. C.E.Loan	:	Rs.	37,960.00
	b. W.C.Loan	:	Rs.	165,750.00
	Total Interest		Rs.	203,710.00
14	Working Capital Requirement	:		
	Fixed Cost		Rs.	325,880.00
	Variable Cost		Rs.	7,279,750.00
	Requirement of WC per Cycle		Rs.	1,267,605.00

15 Cost Analysis

Sr.No.	Particulars	Capacity Utilization(Rs in '000)			
		100%	60%	70%	80%
1	Fixed Cost	325.88	195.53	228.12	260.70
2	Variable Cost	7280.00	4368.00	5096.00	5824.00
3	Cost of Production	7605.88	4563.53	5324.12	5356.70
4	Projected Sales	8370.00	5022.00	5859.00	6696.00
5	Gross Surplus	764.12	458.47	534.88	611.30
6	Expected Net Surplus	735.00	429.00	506.00	582.00

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