

"KVIC- PMEGP"

PROJECT PROFILE ON MINIATURE CIRCUIT BREAKERS

Introduction

Miniature Circuit Breaker (M.C.B) is a precision electromagnetic device which is fast replacing the conventional main switch and fuse units used in the control of electric supply. With the use of MCB no replacement of blown fuse is required and the risk of connecting wrong size of fuse wire eliminated. It operates automatically and opens the circuit in case of electric overload or short circuit. There is no permanent deformation and it can be safely switched on again manually. Because of its precise calibration it is much more reliable than the rewirable fuse. It thereby effectively protects the electrical wiring and equipment. The MCBs are employed in many commercial / industrial establishments, hotels, theatres, houses etc. Thae use of MCBs saves the sophisticated equipments like T.V. Air, Conditioner, Refrigerator, Heating appliance etc. from short circuit and voltage fluctuation. These are finding vase use in domestic sector as protective device.

1 Name of the Product : **MINIATURE CIRCUIT BREAKERS**

2 Project Cost :

a Capital Expenditure

Land	:		Rs.	Own
Work shed in sq.Mt	200	On rent	Rs.	-
Equipment	:		Rs.	975,000.00

Injection moulding, spot welding, power press -5 tons/10tons/20tons, Rivetting, welding,Air compressor, Drill , Bench Grinder, Hand press, Semi- automiatic coil winding, sealing machine,Electric Oven, Calibration Bench, Shigh voltage tester, Megger 500 , Endurance test, Heating oven, Temperature measuring test, testing Lab, tooling, jigs etc.

Total Capital Expenditure Rs. 975,000.00

b Working Capital Rs. 675,000.00

TOTAL PROJECT COST : Rs. 1,650,000.00

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

Sr.No.	Particulars	Capacity in No.	Rate	Total Value
1	MINIATURE CIRCUIT BREAKERS	120000.00	36.00	4056.50
TOTAL		120000.00	36.00	4056.50

4 Raw Material : Rs. 2,592,000.00

5 Labels and Packing Material : Rs. 100,000.00

6 Wages (5-Skilled & 4- Unskilled) : Rs. 750,000.00

7 Salaries (1-Manager) Rs. 120,000.00

PAGE (2)

8	Administrative Expenses	:	Rs.	150,000.00
9	Overheads	:	Rs.	100,000.00
10	Miscellaneous Expenses	:	Rs.	20,000.00
11	Depreciation	:	Rs.	97,500.00
12	Insurance	:	Rs.	9,750.00
13	Interest (As per the PLR)			
	a. C.E.Loan	:	Rs.	126,750.00
	b. W.C.Loan	:	Rs.	87,750.00
	Total Interest		Rs.	214,500.00
14	Working Capital Requirement	:		
	Fixed Cost		Rs.	426,500.00
	Variable Cost		Rs.	3,629,750.00
	Requirement of WC per Cycle		Rs.	676,042.00

15 Cost Analysis

Sr.No.	Particulars	Capacity Utilization(Rs in '000)			
		100%	60%	70%	80%
1	Fixed Cost	426.50	255.90	298.55	341.20
2	Variable Cost	3630.00	2178.00	2541.00	2904.00
3	Cost of Production	4056.50	2433.90	2839.55	2882.20
4	Projected Sales	4400.00	2640.00	3080.00	3520.00
5	Gross Surplus	343.50	206.10	240.45	274.80
6	Expected Net Surplus	246.00	109.00	143.00	177.00

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..