

L T CONTROL PANELS

1. INTRODUCTION

Control panels are used to provide control of operations of electric equipment and acts as a protecting device. It is an integral part of all electrical equipment like motors, generators, transformers etc.

2. RAW MATERIALS

Fabricated sheet metal planks, instruments, control accessories, terminal strips, fuse units, wiring materials and insulating materials etc.

3. MANUFACTURING PROCESS

This is an assembly line of manufacture. The control panels are sheet metal fabricated enclosures. This has provision to display measuring instruments on and off positions, switches, fuses etc. The components are purchased from reputed firms and assembled on the panel. The circuit is laid out as per design and tested for proper functioning as per specifications.

4. MANPOWER REQUIREMENT : 5

5. PROJECT COST

A. Fixed Capital	Rs.
Land & Building	Rental
Plant & Machinery	1,20,000
Miscellaneous fixed assets	15,000
Pre operative expenses	20,000
	1,55,000
B. Working Capital (per month)	
Raw Material & Packing	25,000
Working expenses	20,000
	45,000
Total (A+B)	2,00,000

6. COST OF PRODUCTION / ANNUM

	(Rs.)
Total recurring cost / annum	5,40,000
Depreciation on machinery	10,000
Interest on investment	15,000
	5,65,000

7. PROFITABILITY

Sales turnover	7,00,000
Operating expenses	5,65,000
Annual profit	1,35,000
Return on sales	67.5 %

Market Potential:

The control panels, by virtue of being a functionally integral part of all the electrical equipments like motor, generator, transformer, transmission lines have immense scope. The phased increase in the power generation & transmission has by itself necessitated increased production of electrical equipments, thereby creating a good scope for the control panels

Annual Production capacity :Rs. 7,00,000/-

List of Plant, Machinery & equipment :

- 1 Hand operated sheet bending machine
- 2 Guillotine shearing machine
- 3 Drilling machine
- 4 Bench grinder
- 5 Arc welding transformer
- 6 Gas welding equipments
- 7 Hand shearing machine
- 8 Power hacksaw

- 9 Air compressor with spray gun
- 10 Flexible shaft grinder
- 11 Portable drilling machine
- 12 Fly press
- 13 Coil winding machine
- 14 Testing equipments

