

KVIC - PMEGP

PROJECT PROFILE ON DOMESTIC ELECTRONIC TIMER

Introduction :

In day to day life it has become necessary to have automatic domestic device to reduce labour and wastages. In this aspect the electronic domestic timer can play a vital role in the house holds for switching off the house hold appliances at predetermines time and duration by the house wives. The unit consists of (1) a timing circuit formed by resistors and capacitors, (2) IC 555 to perform trigger function determined by the resistor capacitor constant, (3) driving stage (formed by a transistor) and a piezo buzzer housed in a cabinet. In the front panel calibrated time - scale will be there to select required time settings. The complete circuit works generally on 1.5 V Battery. The time could also be built in a particular appliance by using a driving stage & solenoid/ relay to switch off the appliance etc.

1 Name of the Product : DOMESTIC ELECTRONIC TIMER

Project Cost :

a Capital Expenditure

Land	:			Own
Work shed in sq.ft	RENTED	0	Rs.	-
Equipment	:		Rs.	30,000.00

10MHZ Osilloscope, Multimeters, Stop watch (Mechanical type) DC Power Supply (low cost), Hand Tools/Jigs/Fixtures, Office Equipment & Furniture & Work Table etc.

Total Capital Expenditure		Rs.	30,000.00
b Working Capital		Rs.	130,000.00
TOTAL PROJECT COST :		Rs.	160,000.00

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

Sr.No.	Particulars	Capacity in No./Q.	Rate	Total Value
1	DOMESTIC ELECTRONIC TIMER	3500.00	150.00	721.20
TOTAL		3500.00	150.00	721.20

4	Raw Material	:	Rs.	400,000.00
5	Labels and Packing Material	:	Rs.	25,000.00
6	Wages (1-Skilled)	:	Rs.	60,000.00
7	Salaries (1-Manager)		Rs.	120,000.00

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8	Administrative Expenses	:	Rs.	25,000.00
9	Overheads	:	Rs.	60,000.00
10	Miscellaneous Expenses	:	Rs.	10,000.00
11	Depreciation	:	Rs.	3,000.00
12	Insurance	:	Rs.	300.00
13	Interest (As per the PLR)			
	a. C.E.Loan	:	Rs.	3,900.00
	b. W.C.Loan	:	Rs.	16,900.00
	Total Interest		Rs.	20,800.00
14	Working Capital Requirement	:		
	Fixed Cost		Rs.	159,200.00
	Variable Cost		Rs.	561,900.00
	Requirement of WC per Cycle		Rs.	120,183.00

15 Cost Analysis

Sr.No.	Particulars	Capacity Utilization(Rs in '000)			
		100%	60%	70%	80%
1	Fixed Cost	159.20	95.52	111.44	127.36
2	Variable Cost	562.00	337.20	393.40	449.60
3	Cost of Production	721.20	432.72	504.84	520.76
4	Projected Sales	825.00	495.00	577.50	660.00
5	Gross Surplus	103.80	62.28	72.66	83.04
6	Expected Net Surplus	101.00	59.00	70.00	80.00

- 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..