

"KVIC- REGP-(Gramodyog Rojgar Yojana)"

Project Profile on Electronic Weighing Scales

Introduction

Used in industries and commercial establishments for weighing and segregating raw materials and finished goods for process and sale, electronic systems score over their analog counterpart in many ways. Accuracy, compactness, flexibility and high speed response are some of the advantages. Electronic weighting systems basically comprise to load cell, signal conditioner and the output device/display. This product would require a well established marketing set-up and post-sales service network, but there is constant and growing demand for the product. **Raw materials** required for Electronic Weighin scales are Strain guage (load cell), ICs, diodes, resistors, capacitors and transistors, LCD/LED display device, coils & transformers, switches, PCB, cables and wires, mechanical sub-system etc.

Process :The electronic assembly consists of IC's display device and other electronic components being assembled on the PCB as per the design and weighing capacity. Then this is integrated with the electro-mechanical subassembly and housed in the casing.

1 **Name of the Product :** **Electronic Weighing Scales**

2 **Project Cost :**

a Capital Expenditure

Land : **Own**

Workshed in sq.ft On rent Rs. **24,000.00**

Equipment : Rs. **130,000.00**

Bench drilling machine, Portable grinder, Load cell simulator, General purpose oscilloscope, Digital multimeters, Standard weights, True RMS multimeter, LCR Meter, IC Tester.

Total Capital Expenditure Rs. **154,000.00**

b Working Capital Rs. **525,000.00**

TOTAL PROJECT COST : Rs. **679,000.00**

3 **Estimated Annual Production Capacity:**

(Rs. in 000)

Sr.No.	Particulars	Capacity in No..	Rate Rs	Total Value
1	Electronic Weighing Scales	0.00	0.00	3155.56
TOTAL		0.00	0.00	3155.56

4 **Raw Material** : Rs. **2,526,000.00**

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

6 **Wages (1-Skilled & 1-Unskilled)** : Rs. **300,000.00**

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

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8	Administrative Expenses	:	Rs.	45,000.00
9	Overheads	:	Rs.	40,000.00
10	Miscellaneous Expenses	:	Rs.	25,000.00
11	Depreciation	:	Rs.	14,200.00
12	Insurance	:	Rs.	1,540.00
13	Interest (As per the PLR)			
	a. C.E.Loan	:	Rs.	20,020.00
	b. W.C.Loan	:	Rs.	68,250.00
	Total Interest		Rs.	88,270.00
14	Working Capital Requirement	:		
	Fixed Cost		Rs.	211,560.00
	Variable Cost		Rs.	2,944,250.00
	Requirement of WC per Cycle		Rs.	525,968.00

15 Cost Analysis

Sr.No.	Particulars	Capacity Utilization(Rs in '000)			
		100%	60%	70%	80%
1	Fixed Cost	211.56	126.94	148.09	169.25
2	Variable Cost	2944.00	1766.40	2060.80	2355.20
3	Cost of Production	3155.56	1893.34	2208.89	2230.05
4	Projected Sales	3500.00	2100.00	2450.00	2800.00
5	Gross Surplus	344.44	206.66	241.11	275.55
6	Expected Net Surplus	330.00	192.00	227.00	261.00

- 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.