

"KVIC- PMEGP"

PROJECT PROFILE ON REGULATED D.C. POWER SUPPLIES

Introduction

Regulated DC power supplies provide accurate DC Voltage which are derived from AC mains. These suppliers are cheaper in nature than the DC sources like dry cells, rechargeable cells etc. Such supplies provide constant voltage irrespective of load variations for which they are designed. DC power supplies are used extensively in various electronics laboratories, industries and communication departments to feed DC Voltages to the modules, to check their parameters, in R & D sections, institutions and colleges to impart practical training etc. Present range of electronic equipment produced in the country makes use of transistors and integrated circuits. These IC's are designed to work on fixed regulated DC voltages. Therefore such supplies have become the part and parcel of such equipment.

1 **Name of the Product :** **REGULATED D.C. POWER SUPPLIES**

2 **Project Cost :**

a Capital Expenditure

Land		:				Own
Work shed in sq.Mt	RENT		0	Rs.		-
Equipment			:	Rs.		125,000.00

Drilling Machine (1/2"), Bench grinder, Oscilloscope dual trac (10 MHz), Digital Voltmeter (4 1/2 digit), Multimeters, True RMS meter (4 digit), Dimmer stats (4&8 amps), Panel meters, H.V. Tester, Rheostats, Megger, Hand Tools/Jigs/Fixtures, Office Equipment & Furniture, Pre-operative expenses etc.

Total Capital Expenditure	Rs.	125,000.00
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b Working Capital	Rs.	295,000.00
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TOTAL PROJECT COST :	Rs.	420,000.00
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3 **Estimated Annual Production Capacity:** (Rs. in 000)

Sr.No.	Particulars	Capacity in No.	Rate(Rs.)	Total Value
1	REGULATED D.C. POWER SUPPLIES	1000.00	1775.00	1775.50
TOTAL		1000.00	1775.00	1775.50

4 Raw Material		:				1,000,000.00
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5 Labels and Packing Material		:				35,000.00
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6 Wages (1-Skilled)		:				200,000.00
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7 Salaries (1-Manager)						120,000.00
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8	Administrative Expenses	:	Rs.	100,000.00
9	Overheads	:	Rs.	25,000.00
10	Miscellaneous Expenses	:	Rs.	240,000.00
11	Depreciation	:	Rs.	12,500.00
12	Insurance	:	Rs.	1,250.00
13	Interest (As per the PLR)			
	a. C.E.Loan	:	Rs.	16,250.00
	b. W.C.Loan	:	Rs.	38,350.00
	Total Interest		Rs.	54,600.00
14	Working Capital Requirement	:		
	Fixed Cost		Rs.	477,500.00
	Variable Cost		Rs.	1,298,350.00
	Requirement of WC per Cycle		Rs.	295,975.00

15 Cost Analysis

Sr.No.	Particulars	Capacity Utilization(Rs in '000)			
		100%	60%	70%	80%
1	Fixed Cost	477.50	286.50	334.25	382.00
2	Variable Cost	1298.00	778.80	908.60	1038.40
3	Cost of Production	1775.50	1065.30	1242.85	1290.60
4	Projected Sales	2000.00	1200.00	1400.00	1600.00
5	Gross Surplus	224.50	134.70	157.15	179.60
6	Expected Net Surplus	212.00	122.00	145.00	167.00

- 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..