

PROJECT PROFILE ON ALTERNATORS FOR AUTOMOBILES

Introduction

Alternator is a special dc device, which converts mechanical power into direct current (dc) electric power by means of rotation. It gives dc supply to various electrical parts while automobile is working such as headlights, wiper motor, different indicator lights, fan etc. It also charges the battery of the automobile, which gives dc supply to all electrical components when automobiles is not working and primarily to starter motor for cranking the engine of automobile.

Name of the Product : **ALTERNATORS FOR AUTOMOBILES**

2 Project Cost :

a Capital Expenditure

Land : **Own**

Work she sq.mtrs : Rs. **0.00**

Equipment : Rs. **300,000.00**

(1)pneumatic m/c (2)Pneumatic Tool(3)Drilling m/c (4) Taping m/c , single/three phase(5)Grinding m/c(6)Air compressor (7)Soldering Arrangement (8)Bench vice (9)Hand press No.2(10)Misc tools& implements (11)HV Breakdown tester (12) Meggar 1000 volt (13)Multimeter (14)Ammeter (16)Vernier callipers (17) Misrometer (18)Temperature rise tester(19)Techometer(20)Hot performance test Rig(21)High speed test rig(22)Endurance test rig (23)Performance test rig (24)Dies, Moulds and jig, fixture& tooling(25)office equipment &

Total Capital Expenditure Rs. **300,000.00**

b Working Capital Rs. **1,445,000.00**

TOTAL PROJECT COST : Rs. **1,745,000.00**

3 Estimated Annual Production Capacity:

(Rs. in 000)

Sr.No.	Particulars	Capacity in nos	Rate	Total Value
	ALTERNATORS FOR AUTOMOBILES	6000.00	1445.00	8670.00
	TOTAL	6000.00	1445.00	8670.00

4 Raw Material : Rs. **7,800,000.00**

5 Labels and Packing Material : Rs. **85,000.00**

6 Wages (1-Skilled & -2-Unskilled) : Rs. **240,000.00**

7 Salaries -1 manager Rs. **120,000.00**

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8	Administrative Expenses	:	Rs.	85,000.00
9	Overheads	:	Rs.	75,000.00
10	Miscellaneous Expenses	:	Rs.	35,000.00
11	Depreciation	:	Rs.	30,000.00
12	Insurance	:	Rs.	3,000.00
13	Interest (As per the PLR)			
	a. C.E.Loan	:	Rs.	39,000.00
	b. W.C.Loan	:	Rs.	187,850.00
	Total Interest		Rs.	226,850.00
14	Working Capital Requirement	:		
	Fixed Cost		Rs.	282,000.00
	Variable Cost		Rs.	8,387,850.00
	Requirement of WC per Cycle		Rs.	1,444,975.00

15 Cost Analysis

Sr.No.	Particulars	Capacity Utilization(Rs in '000)			
		100%	60%	70%	80%
1	Fixed Cost	282.00	169.20	197.40	225.60
2	Variable Cost	8388.00	5032.80	5871.60	6710.40
3	Cost of Production	8670.00	5202.00	6069.00	6097.20
4	Projected Sales	9537.00	5722.20	6675.90	7629.60
5	Gross Surplus	867.00	520.20	606.90	693.60
6	Expected Net Surplus	837.00	490.00	577.00	664.00

- 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..