"KVIC- PMEGP"

PROJECT PROFILE ON BATTERY WATER

Introduction

Water used in Batteries (mainly vehicles) should be free from salts, Chlorine and Iron. These impuritie spoil the electrodes and reduces the battery and hence special water with minimum impurities are required for the purpose, known as Battery water. Now a days D.M. Water is being used in the Batteries. Raw water from Open well/Bore well or Corporation can be used for the purpose.
TECHNICAL ASPECT:- Batter water is manufactured by an exchange process which has two vertical cylinders made of FRP/Plastic fitted with stand and water quality testing kit, so a to ensure continues quality check of water being produced. This cylindrical vessel contains Resin, which has power to remove all hardness from water . Water passes from bottom of the first cylinder and comes from the top and again goes into the bottom of second cylinder, which again comes out from top of the second column in purest form, free from all salts. In this process water has to pass only through two cylinders and many times, gravity force is only sufficient for the purpose. If sufficient pressure is not there one may for small pump for water feeding.

1 Name of the Product : BATTERY WATER

2 Project Cost :

a	Capital Expenditure				
	Land		:		**Own**
	Work shed in sq.Mt	RENT	0	Rs.	-
	Equipment		:	Rs.	225,000.00
	Resin based battery water plant with accessories, Hot air blower (Hair Blower) for shrink packaging of bottles, Plastic drums for storage of water, Cap.200 Ltres @ Rs. 500/- per pc., Water lifting pump, Quality control equipment viz. Hardness testing chemial kit, pH meter etc., Semi-automatic filling m/c with 1 H.P. Motor Semi-automatic plastic				
	Total Capital Expenditure			Rs.	225,000.00
b	Working Capital			Rs.	245,000.00
	TOTAL PROJECT COST :			**Rs.**	**470,000.00**

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

Sr.No.	Particulars	Capacity in KL	Rate	Total Value
1	BATTERY WATER	250.00	5882.00	1470.50
TOTAL		**250.00**	**5882.00**	**1470.50**

4	**Raw Material**	**:**	**Rs.**	**900,000.00**
5	**Labels and Packing Material**	**:**	**Rs.**	**25,000.00**
6	**Wages (1-Skilled & 1-Unskilled)**	**:**	**Rs.**	**72,000.00**
7	**Salaries (1-Manager)**		**Rs.**	**120,000.00**

8	Administrative Expenses	:	Rs.	120,000.00
9	Overheads	:	Rs.	30,000.00
10	Miscellaneous Expenses	:	Rs.	140,000.00
11	Depreciation	:	Rs.	22,500.00
12	Insurance	:	Rs.	2,250.00
13	Interest (As per the PLR)			
	a. C.E.Loan	:	Rs.	29,250.00
	b. W.C.Loan	:	Rs.	31,850.00
	Total Interest		Rs.	61,100.00
14	Working Capital Requirement	:		
	Fixed Cost		Rs.	411,500.00
	Variable Cost		Rs.	1,058,850.00
	Requirement of WC per Cycle		Rs.	245,058.00

15 Cost Analysis

Sr.No.	Particulars	Capacity Utilization(Rs in '000)			
		100%	60%	70%	80%
1	Fixed Cost	411.50	246.90	288.05	329.20
2	Variable Cost	1059.00	635.40	741.30	847.20
3	Cost of Production	1470.50	882.30	1029.35	1070.50
4	Projected Sales	1600.00	960.00	1120.00	1280.00
5	Gross Surplus	129.50	77.70	90.65	103.60
6	Expected Net Surplus	107.00	55.00	68.00	81.00

Note : 1.All figures mentioned above are only indicative.
2.This is model project profile for guidence
3.Cost of Project, and its profitability will be changed depends on the area, availability of raw Material, man power, power requierement and various other factors etc..