

**POLYMER AND CHEMICAL BASED INDUSTRY****KHADI & VILLAGE INDUSTRIES COMMISSION**  
**PROJECT PROFILE FOR GRAMODYOG ROJGAR YOJANA****PRODUCTION OF OXALIC ACID**

Barks containing Oxalates obtained from forest Department or local panchayat are stored first. During the fusion process, caustic soda solution in first warmed at reactor up to 60 deg. Celceous. Pieces of Oxalate barks are disintegrated & sieved and placed in screw conveyor to reaction vessel with hot solution of soda. Steam is passed through the reactor vessel in order to maintain desired level of temperature. There is a good demand in domestic and international market.

<b>1</b>	<b>Name of the product</b>		<b>Oxalic Acid Crystals</b>	
2	Project Cost			
	a) Capital Expenditure Land & Building Shed 1000 sq.ft.		Rs. 3,00,000.00	
	▪ Equipment (Wood chipper, band saw, screens, reactor vessel, baby boiler, Scrubber/obsorbtion tower condenser, Pump s, drier, storage tank, Laboratory equipment etc.)		Rs. 5,00,000.00	
	Total capital expenditure		Rs.8,00,000.00	
	b) Working capital		Rs.6,50,000.00	
	Total project cost		Rs.14,50,000.00	
3	<b>Estimated Annual Production of Oxalic Acid (Value in '000)</b>			
<b>Sr.No</b>	<b>Particulars</b>	<b>Capacity</b>	<b>Rate/Tonns</b>	<b>Total Value</b>
1	Oxalic Acid	130.00 Tons	20,000.00	2600.00
	Total	130.00	20,000.00	2600.00
4	Raw Materials			17,78,500.00
5	Labels and Packaging materials			75,000.00
6	Wages( Skilled & unskilled)			2,00,000.00
7	Salaries			1,20,000.00
8	Administrative Expenses			50,000.00
9	Overheads			1,50,000.00
10	Miscellaneous expenses			30,000.00
11	Depreciation			65,000.00
12	Insurance			8,000.00
13	Interest as per PLR			
	a) Capital Expenditure Loan			1,04,000.00
	b) Working Capital Loan			84,500.00
	Total interest			1,88,500.00

14	Working capital requirement <ul style="list-style-type: none"> <li>▪ Fixed Cost</li> <li>▪ Variable Cost</li> <li>▪ Requirement of W.C. per cycle</li> </ul>	3,12,000.00 22,88,000.00 6,50,000.00
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#### 15. Estimated cost analysis

Sr. No	Particulars	Capacity Utilization ( Rs.'000)			
		100%	60%	70%	80%
1	Fixed Cost	312.00	187.20	218.40	249.60
2	Variable Cost	2288.00	1372.80	1601.60	1830.40
3	Cost of Production	2600.00	1560.00	1820.00	2080.00
4	Projected sales	3250.00	1950.00	2275.00	2600.00
5	Gross Surplus	650.00	390.00	455.00	520.00
6	Expected Net Surplus	585.00	325.00	390.00	455.00

Note: 1) All figures mentioned above are only indicative and may vary from place to place.

2) If the investment on Building is replaced by Rental premises

- a) Total cost of project will be reduced.
- b) Profitability will be increased.
- c) Interest on C.E. will be reduced.