

AROMATICS

1. INTRODUCTION

Aromatics used as fragrances and flavours play an important role in consumer preferences. Citronellol, citronellal, geranol, etc. are the important compounds, used as fragrance materials in cosmetic items to a great extent. Apart from these, they are also used in various other industrial products like toilet soaps, household cleaners, paints, pesticides, detergents, etc.

2. RAW MATERIALS

Lemon grass oil, eucalyptus oil, citrodora oil, citronella oil

3. MANUFACTURING PROCESS

(1) Citronellol

This is produced from eucalyptus citronella oil by hydrogenation, followed by saponification and distillation. The distillate will be 60% (by weight) citronellol.

(ii) Citronella & Geraniol pure

They are produced from citronella oil, by fractional distillation. Terpinenes are removed as tops, citronellol fraction is also removed in same process.

(iii) Terpeneless oil

This is produced by fractional distillation of lemon grass oil 80% by weight.

4. MANPOWER REQUIREMENT : 36

5. PROJECT COST

	(Rs. in Lakhs)
Land & site development	2.50
Building	7.00
Plant & machinery	50.00
Miscellaneous fixed assets	11.00
Preliminary/pre-operative expenses	6.00
Contingency	7.00
Margin money for working capital	16.50
Cost of project	100.00

Means of Finance	Rs. in lakhs
Term Loan	66.00
Promoter's contribution	34.00
Total	100.00

6. COST OF PRODUCTION / PROFITABILITY

Working capital	25
Cost of production	1743
Sales turnover	1760
Profit before tax	27
Breakeven point	41.1%
Return on investment	27%

Market potential :

The demand for flavours and fragrances is increasing at a very fast rate. Recently government is also giving encouragement for this type of industry. On account of the favourable industrial environment, many new units are being established in the country. The demand is always dynamic and showing a positive trend. There is bright prospects for exporting the products.

Production capacity :

Annual production capacity : 10 MT

List of Plant, Machinery & Equipment :

- | | |
|---------------------------|---------------------------------|
| 1 Fractionation units | 9 Air compressor |
| 2 Saponification vessel | 10 Vaccum pump |
| 3 Hydrogenation vessel | 11 Storing tanks and containers |
| 4 Nutshe filter | 12 Thermal Heating system |
| 5 Top collection vessel | 13 Boiler |
| 6 Residue blending vessel | |
| 7 Reactor | |
| 8 Chilling Plant | |