ALUMINIUM SLIDING VENTILATORS

QUALITY AND STANDARDS:

The following Indian standard Aluminium Ventilators are made from aluminium - the 100% green and recyclable metal. These windows also come in a wide range of colours and finishes to suit our every need. Especially these kind of windows are very suited to useful in Industries. These windows are made using precision technology imported from Italy and are completely customizable. These are fabricated in multiple specifications so as to cater the extensive requirements of the customers. We have established a robust manufacturing facility in order to fabricate high grade gates and grills. Our building structures are widely acknowledged for the main features such as moist resistant finish, smooth surface and long functional life.

INTRODUCTION

Aluminium sliding ventilators can be used in houses as well as in Industries. Now a days it is widely used in Industries and corporate offices. The fast moving size is 3 x 3. The raw materials used for the preparation of these are good quality aluminum. The different process for the preparation of the product is given under. The Aluminium ventilators are Corrosion resistive, Everlasting finishing, Durability, Reasonable rates, Availability in a range of designs and sizes.

MARKETING POTENTIAL

The development and construction activities being inter-linked, there is good scope for aluminium ventilators units for meeting the growing demand of new buildings for offices, business and shopping complexes, theatres etc. Aluminium ventilators are being increasingly used in the modern constructions on consideration of durability and appearance. If the present trend is any guide, theatres, restaurants, hotels, shopping complexes, office premises and other luxurious buildings will fast replace glass windows with aluminium ventilators. The consumption of these items is already on the increase.

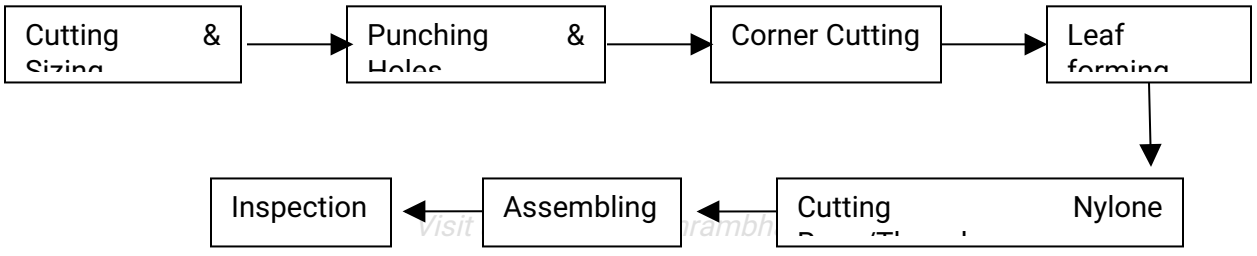
BASIS AND PRESUMPTIONS

1. The production of the unit is worked out on the basis of single shift of 8 hours a day for 300 working days a year. The unit is expected to work at 70% efficiency in the first year.
2. The unit is expected to achieve 80% production capacity in the second year onwards.
3. Wages for labour etc. have been taken as per the rate prevailing at the time of preparation of the project profile.
4. 80% of Total capital investment is taken as loan and interest rate is calculated @ 14% on loan amount
5. Considering the product and usage, the project can last for more than 10 years. The repayment of term loans will be made in 5 years after one year moratorium.
6. The unit is proposed to function in own building.
7. Cost of machinery and equipment has been taken as per the rates quoted by machinery manufacturers/suppliers.

IMPLEMENTATION SCHEDULE

Name of Activity	Period in Weeks
Preparation of project report	5 Weeks
Calling Quotations Scheme Preparation	2 Weeks
Provisional Registration as SSI	1 Week
Financial arrangement from financial institutions and others	12 Weeks
Purchase and procurement of machinery and equipment	8 Weeks
Erection and electrification	3 Weeks
Recruitment of personnel	4 Weeks

TECHNICAL ASPECTS



PRODUCTION CAPACITY

Aluminium Sliding Ventilators: 4800 Ventilators per annum

Value : Rs. 52, 80,000

QUALITY CONTROL AND STANDARDS

IS 1949:1961 specifies requirements regarding materials, fabrication and dimensions of aluminium ventilators manufactured from extruded aluminium alloy sections of standard sizes and designs completed with fittings ready for fixing with buildings.

POLLUTION CONTROL

This industry does not create any kind of pollution and as such there is no need to take any preventive measures for pollution control.

FINANCIAL ASPECTS

A. FIXED CAPITAL - Amount in (Rs)

1. Land

Sl. No.	Description	
1	Land	Own
2	Covered area 1000 sqft	
3	Uncovered area 500 sqft	
4	Total area 1500 sqft	
5	Whether constructed or Rented	4,00,000 Constructed

2. Machinery & Equipments

Sl. No.	Description	Qty.	Value	Total
1	Strip Cutting Machine (Power operated)	1	75,000	75,000
2	Hole Punching Machine	1	52,000	52,000
3	Rolling Machine (Hand operated)	1	35,000	35,000
4	Double ended bench grinder	1	50,000	50,000
5	Universal Shearing Machine (Hand operated)	1	54,000	54,000

6	Material Handling equipments like trolley, hand trucks etc	1	25,000	25,000
7	Measuring/Inspection equipments	1	43,000	43,000
8	Dies, Punches and Hand Tools	1	20,000	20,000
9	Furniture & other accessories		25,000	25,000
10	Electrification & Installation of Machinery @ 10%			20,700
	Total			**3,99,700**

3. Pre operative Expenses 5,000

Total Fixed Capital (1 + 2 + 3) 8,04,700

B. WORKING CAPITAL PER MONTH

1 Staff & labour (per month)

Sl.No.	Designation	Qty	Rate	Value
1	Production Manger	1	10,000	10,000
2	Skilled Labour	2	8,000	16,000
3	Un skilled Labour (Gents)	3	6,500	19,500
4	Salary perk (15% of Salary)			6,825
	Total			**52,325**

2 Raw material (per month)

Sl.No.	Description	Qty (No)	Rate	Value
1	Aluminium strips	400	150	60,000
2	Plastic Locks	8000	20	1,60,000
3	Nylon Thread rope	800	10	8,000
4	Aluminum Handle	800	5	4,000
5	Metal Rod	800	25	20,000
6	Aluminum Rod	800	20	16,000
7	Panel Packing material etc	800	50	40,000
	Total			**3,08,000**

3. Utilities (Per month)

Sl. No.	Description	Unit Consumed	Rate/Unit	Amount
1	Power (12 KW) (12 x 8 x 25) (Assume 25 days in a month, 8 hr per day, Rs. 4.5 per unit)	2400	4.5	10,800
2	Water (Own Well)			
	Total			**10,800**

4 **Other expenses (per month)**

Sl. No.	Description	Amount
1	Postage & Stationary	600
2	Consumables like Oil, Grease etc	300
3	Repairs & Maintenance	500
4	Transportation Charges	400
5	Telephone	1,000
6	Advertisement & Publicity	1,000
7	Insurance	500
8	Miscellaneous	600
	Total	**4,900**

5 **Total capital (Per month)**

Sl. No.	Description	Amount
1	Raw Materials	3,08,000
2	Staff & Labour	42,325
3	Utilities	10,800
4	Other expenses	4,900
	Total	**3,71,125**

Working Capital for 3 months

3 x 371125 **11,13,375**

TOTAL CAPITAL INVESTMENTS

Sl. No.	Description	Amount
1	Fixed Capital	8,04,700
2	Working Capital for 3 months	10,83,375
	Total	19,18,075

Loan Amount required: 80% of Total Capital Investment: 1534460

FINANCIAL ANALYSIS

1 **Cost of Production (Per year)**

Sl. No.	Description	Amount
1	Total Recurring cost	44,53,500
2	Depreciation of Machinery @10%	20,700
3	Depreciation of Tools @25%	5,000
4	Depreciation of Furniture @20%	5,000
5	Interest on loan amount @14%	2,14,824
	Total	**46,99,024**
	Say	**46,99,100**

2 Turnover (per year)

Sl. No.	Description	Qty	Rate	Value
1	Aluminium Ventilators	4800	1100	52,80,000
	Total		Rs	**52,80,000**

3 Net profit (before income tax) per year

Turn over	52,80,000
Cost of production (-)	46,99,100
Total	**5,80,900**

4 Net profit Ratio

(Net profit per year/Turn over per year) X 100
(580900/5280000) * 100 11 %

5 Rate of return on total investment

(Net profit per year/Total investment) * 100
(580900/1918075) x 100 30.29 %

6 Breakeven point

Sl. No.	Description	Amount
1	Total depreciation	30,700
2	Interest on loan amount	2,14,824
3	40% of salary and wages	2,51,160
4	40% of utilities and other contingent expenses	75,360

Say	**5,72,044**
BEP :	**5,72,100**

(Fixed cost /(Fixed cost + net profit)) * 100

(572100/(572100+580900)) * 100 =

49.62 %

Address of Machinery and equipments Suppliers

M/s Kanwal Enterprises
Gali No - 3-4, Sheetla Colony, Sector - 5
Gurgaon - 122 001, Haryana

M/s. Ara Pictures & Frames Private Limited
No. 51/409, Motilal Nagar, No. 1, Jai Mataji Marg
Goregaon West , Mumbai - 400104, Maharashtra

M/s. Sharma Machine Tools
Mr. Ramlochan Sharma (Manager), No. 179/1, Anand Industrial Estate
Mohan Nagar, Ghaziabad - 201007, Uttar Pradesh

Address of raw materials Suppliers

M/s. Metalinox India
76 Somji Building, 433 Near Alankar Cinema, Mumbai - 400 004, Maharashtra

M/s. Sharvik Integra India
S. No. 31, Ingle Industrial Estate, Shivne, Tal. Haveli, Pune - 411023, Maharashtra

M/s. Balaji Rope Suppliers
No. 15 - 5 - 649, Ashok Bazar, Afzalgunj, Hyderabad – 500012.