

PROJECT REPORT

Of

WHITE BOARD

PURPOSE OF THE DOCUMENT

This particular pre-feasibility is regarding White Board Manufacturing unit.

The objective of the pre-feasibility report is primarily to facilitate potential entrepreneurs in project identification for investment and in order to serve his objective; the document covers various aspects of the project concept development, start-up, marketing, finance and management.

[We can modify the project capacity and project cost as per your requirement. We can also prepare project report on any subject as per your requirement.]



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PROJECT AT A GLANCE

- 1 Name of the Entrepreneur : xxxxxxxxxxxx
- 2 Constitution (legal Status) : xxxxxxxxxxxx
- 3 Father / Spouse Name : xxxxxxxxxxxxxx
- 4 Unit Address : xxxxxxxxxxxxxxxxxxxxxxxx
- District : xxxxxxxx
- Pin: xxxxxxxx State: xxxxx
- Mobile xxxxxxxx
- 5 Product and By Product : **WHITE BOARD**
- 6 Name of the project / business activity proposed : **WHITE BOARD MANUFACTURING UNIT**
- 7 Cost of Project : Rs.24.26 Lakhs
- 8 Means of Finance
- Term Loan Rs.15.84 Lakhs
- Own Capital Rs.2.43 Lakhs
- Working Capital Rs.6 Lakhs
- 9 Debt Service Coverage Ratio : 2.55
- 10 Pay Back Period : 5 Years
- 11 Project Implementation Period : 5-6 Months
- 12 Break Even Point : 31%
- 13 Employment : 11 Persons
- 14 Power Requirement : 34.00 HP
- 15 Major Raw materials : Porcelain coated steel sheet, Aluminium sheet, plywood, MDF Board, Adhesive, Protective film.
- 16 Estimated Annual Sales Turnover (Max Capacity) : 131.12 Lakhs
- 17 Detailed Cost of Project & Means of Finance

COST OF PROJECT

(Rs. In Lakhs)

Particulars	Amount
Land	Own/Rented
Plant & Machinery	17.00
Furniture & Fixtures	0.60
Working Capital	6.66
Total	24.26

MEANS OF FINANCE

Particulars	Amount
Own Contribution	2.43
Working Capital(Finance)	6.00
Term Loan	15.84
Total	24.26

WHITE BOARD MANUFACTURING UNIT

Introduction:

A whiteboard is a glossy, usually white surface for making nonpermanent markings. Whiteboards are analogous to blackboards, but with a smoother surface allowing rapid marking and erasing of markings on their surface. The purpose of a whiteboard is to visualize thoughts, concepts, write down ideas, explain and teach, to plan and create in the group and many other things. Whiteboards are simple to use and require no special skills. They, like their blackboard counterparts, are reusable and can be erased quickly and reused for quick explanations and spontaneous work. Whiteboards are great for explaining math problems, reading texts, matching exercises, ranking activities, discussion activities and other “unfolding processes. Whiteboards are effective in numerous settings that require spontaneous, quick-feedback. They are used in interactive exercises, brainstorming sessions and classroom discussions. Whiteboards do not need to be hooked up to electrical outlets or computers and can be used anytime.



Uses & Market Potential:

Whiteboards are effective in numerous settings that require spontaneous, quick-feedback. They are used in interactive exercises, brainstorming sessions and classroom discussions. Whiteboards do not need to be hooked up to electrical outlets or computers and can be used anytime. The Global Whiteboard Markers Market is growing at a faster pace with substantial growth rates over the last few years and is estimated that the market will grow significantly in the forecasted period i.e. 2019 to 2026. The global interactive whiteboard market size was valued at USD 1.6 billion in 2019, growing at a CAGR of 7.6% from 2020 to 2027. Rising adoption of advanced learning methods is one of the key factors positively affecting the interactive whiteboard (IWB) usage. Additionally, demand for gamification and digital classrooms, coupled with the increasing popularity of interactive whiteboard with artificial intelligence is further anticipated to drive the market. Interactive whiteboards provide an adaptive, engaging, and user-friendly learning experience and are therefore gaining popularity among various sectors such as government, corporate, and education.

Product:

White Board

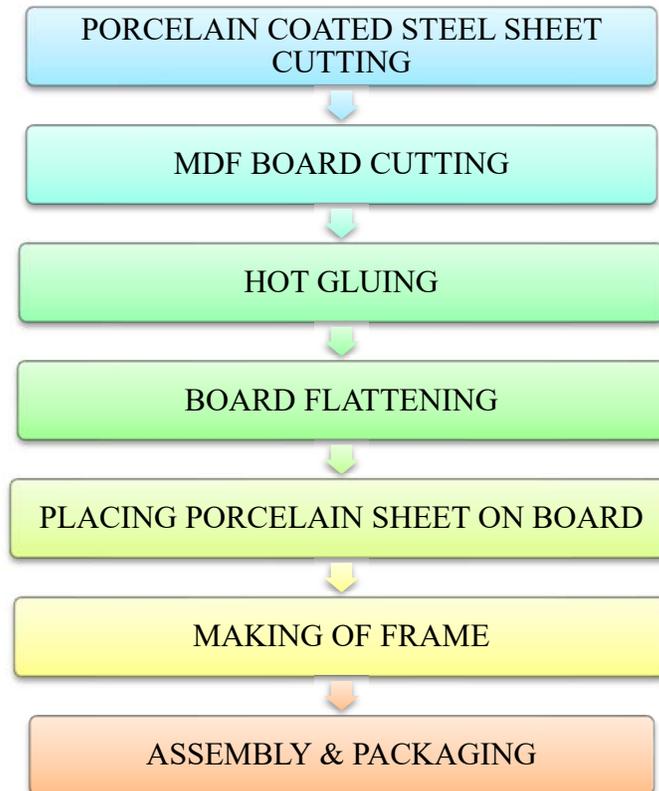
Raw Material:

The raw materials required for the manufacture of the Whiteboard are:

- Porcelain Coated Steel Sheet
- Aluminum Sheet
- Plywood, Mdf Board

- Polyurethane Adhesive
- Protective Film
- Packaging Material

Manufacturing Process:



Area:

The industrial setup requires space for Inventory, workshop or manufacturing area, space for power supply utilities and polishing area. Also, some of the area of building is required for office staff facilities, office furniture, etc. Thus, the approximate total area required for complete industrial setup is 1200-1800Sqft.

Cost of Machines:

Machine	Quantity	Price
Cut to length Machine	1	7,00,000
Fully Automatic Plywood Board Cutting Machine	1	5,50,000
Hot Glue Machine	1	1,50,000
Sheet Flattening Machine	1	1,00,000
Aluminium Section Cutting Machine	1	2,00,000
TOTAL		17,00,000

Power Requirement- The estimated Power requirement is taken at 34 HP.

Manpower Requirement— Following manpower is required:

- Machine operator-2
- Skilled/unskilled worker-3
- Helper-4
- Manager cum Accountant-1
- Sales Personnel-1

FINANCIALS

<u>PROJECTED BALANCE SHEET</u>					
PARTICULARS	I	II	III	IV	V
<u>SOURCES OF FUND</u>					
<u>Capital Account</u>					
Opening Balance	-	3.62	5.27	7.32	10.44
Add: Additions	2.43	-	-	-	-
Add: Net Profit	4.99	6.26	7.55	9.12	10.52
Less: Drawings	3.80	4.60	5.50	6.00	7.00
Closing Balance	3.62	5.27	7.32	10.44	13.96
CC Limit	6.00	6.00	6.00	6.00	6.00
Term Loan	14.08	10.56	7.04	3.52	-
Sundry Creditors	2.25	2.58	2.93	3.28	3.65
TOTAL :	25.94	24.41	23.28	23.24	23.61
<u>APPLICATION OF FUND</u>					
Fixed Assets (Gross)	17.60	17.60	17.60	17.60	17.60
Gross Dep.	2.61	4.83	6.72	8.33	9.70
Net Fixed Assets	14.99	12.77	10.88	9.27	7.90
Current Assets					
Sundry Debtors	3.46	4.19	4.80	5.44	6.12
Stock in Hand	5.45	6.28	7.11	7.98	8.89
Cash and Bank	2.04	1.17	0.50	0.56	0.71
TOTAL :	25.94	24.41	23.28	23.24	23.61
	-	-	-	-	-

PROJECTED PROFITABILITY STATEMENT

PARTICULARS	I	II	III	IV	V
<u>A) SALES</u>					
Gross Sale	74.10	89.88	102.91	116.62	131.12
Total (A)	74.10	89.88	102.91	116.62	131.12
<u>B) COST OF SALES</u>					
Raw Material Consumed	45.00	51.64	58.52	65.66	73.06
Electricity Expenses	3.04	3.42	3.80	4.19	4.57
Repair & Maintenance	1.85	2.25	2.57	2.92	3.28
Labour & Wages	11.59	14.49	16.81	19.50	22.42
Depreciation	2.61	2.22	1.89	1.61	1.37
Cost of Production	64.10	74.02	83.60	93.87	104.70
Add: Opening Stock /WIP	-	3.20	3.70	4.18	4.69
Less: Closing Stock /WIP	3.20	3.70	4.18	4.69	5.24
Cost of Sales (B)	60.89	73.52	83.12	93.36	104.16
C) GROSS PROFIT (A-B)	13.21	16.36	19.79	23.26	26.96
	17.82%	18.20%	19.23%	19.95%	20.56%
D) Bank Interest i) (Term Loan)	1.72	1.40	1.02	0.63	0.24
ii) Interest On Working Capital	0.66	0.66	0.66	0.66	0.66
E) Salary to Staff	4.79	5.75	6.44	7.46	8.36
F) Selling & Adm Expenses Exp.	0.89	1.80	3.29	4.08	5.24
G) TOTAL (D+E+F)	8.06	9.61	11.40	12.84	14.51
H) NET PROFIT	5.15	6.75	8.38	10.43	12.45
	7.0%	7.5%	8.1%	8.9%	9.5%
I) Taxation	0.16	0.49	0.83	1.30	1.94
J) PROFIT (After Tax)	4.99	6.26	7.55	9.12	10.52

PROJECTED CASH FLOW STATEMENT

PARTICULARS	I	II	III	IV	V
<u>SOURCES OF FUND</u>					
Own Contribution	2.43	-	-	-	-
Reserve & Surplus	5.15	6.75	8.38	10.43	12.45
Depreciation & Exp. W/off	2.61	2.22	1.89	1.61	1.37
Increase In Cash Credit	6.00	-	-	-	-
Increase In Term Loan	15.84	-	-	-	-
Increase in Creditors	2.25	0.33	0.34	0.36	0.37
TOTAL :	34.27	9.30	10.62	12.39	14.20
<u>APPLICATION OF FUND</u>					
Increase in Fixed Assets	17.60	-	-	-	-
Increase in Stock	5.45	0.83	0.82	0.87	0.91
Increase in Debtors	3.46	0.74	0.61	0.64	0.68
Repayment of Term Loan	1.76	3.52	3.52	3.52	3.52
Taxation	0.16	0.49	0.83	1.30	1.94
Drawings	3.80	4.60	5.50	6.00	7.00
TOTAL :	32.23	10.18	11.28	12.33	14.04
Opening Cash & Bank Balance	-	2.04	1.17	0.50	0.56
Add : Surplus	2.04	0.88	0.67	0.06	0.15
Closing Cash & Bank Balance	2.04	1.17	0.50	0.56	0.71

COMPUTATION OF CLOSING STOCK & WORKING CAPITAL

PARTICULARS	I	II	III	IV	V
<u>Finished Goods</u>					
(15 Days requirement)	3.20	3.70	4.18	4.69	5.24
<u>Raw Material</u>					
(15 Days requirement)	2.25	2.58	2.93	3.28	3.65
Closing Stock	5.45	6.28	7.11	7.98	8.89

COMPUTATION OF WORKING CAPITAL REQUIREMENT

Particulars	Amount	Margin(10%)	Net Amount
Stock in Hand	5.45		
Less:			
Sundry Creditors	2.25		
Paid Stock	3.20	0.32	2.88
Sundry Debtors	3.46	0.35	3.11
Working Capital Requirement			6.00
Margin			0.67
MPBF			6.00
Working Capital Demand			6.00

REPAYMENT SCHEDULE OF TERM LOAN

11.0%

Year	Particulars	Amount	Addition	Total	Interest	Repayment	CI Balance
I	Opening Balance						
	Ist Quarter	-	15.84	15.84	0.44	-	15.84
	Iind Quarter	15.84	-	15.84	0.44	-	15.84
	IIIrd Quarter	15.84	-	15.84	0.44	0.88	14.96
	Ivth Quarter	14.96	-	14.96	0.41	0.88	14.08
					1.72	1.76	
II	Opening Balance						
	Ist Quarter	14.08	-	14.08	0.39	0.88	13.20
	Iind Quarter	13.20	-	13.20	0.36	0.88	12.32
	IIIrd Quarter	12.32	-	12.32	0.34	0.88	11.44
	Ivth Quarter	11.44		11.44	0.31	0.88	10.56
					1.40	3.52	
III	Opening Balance						
	Ist Quarter	10.56	-	10.56	0.29	0.88	9.68
	Iind Quarter	9.68	-	9.68	0.27	0.88	8.80
	IIIrd Quarter	8.80	-	8.80	0.24	0.88	7.92
	Ivth Quarter	7.92		7.92	0.22	0.88	7.04
					1.02	3.52	
IV	Opening Balance						
	Ist Quarter	7.04	-	7.04	0.19	0.88	6.16
	Iind Quarter	6.16	-	6.16	0.17	0.88	5.28
	IIIrd Quarter	5.28	-	5.28	0.15	0.88	4.40
	Ivth Quarter	4.40		4.40	0.12	0.88	3.52
					0.63	3.52	
V	Opening Balance						
	Ist Quarter	3.52	-	3.52	0.10	0.88	2.64
	Iind Quarter	2.64	-	2.64	0.07	0.88	1.76
	IIIrd Quarter	1.76	-	1.76	0.05	0.88	0.88
	Ivth Quarter	0.88		0.88	0.02	0.88	0.00
					0.24	3.52	

Door to Door Period 60 Months
Moratorium Period 6 Months
Repayment Period 54 Months

CALCULATION OF D.S.C.R

PARTICULARS	I	II	III	IV	V
<u>CASH ACCRUALS</u>	7.60	8.48	9.44	10.73	11.89
Interest on Term Loan	1.72	1.40	1.02	0.63	0.24
Total	9.32	9.88	10.46	11.36	12.13
<u>REPAYMENT</u>					
Repayment of Term Loan	1.76	3.52	3.52	3.52	3.52
Interest on Term Loan	1.72	1.40	1.02	0.63	0.24
Total	3.48	4.92	4.54	4.15	3.76
DEBT SERVICE COVERAGE RATIO	2.68	2.01	2.31	2.74	3.22
AVERAGE D.S.C.R.			2.55		

Assumptions:

1. Production Capacity of White Board Manufacturing unit is taken at 50 Pcs per day. First year, Capacity has been taken @ 40%. Dimension of board is 4*3 Ft.
2. Working shift of 10 hours per day has been considered.
3. Raw Material stock and Finished goods closing stock has been taken for 15 days.
4. Credit period to Sundry Debtors has been given for 14 days.
5. Credit period by the Sundry Creditors has been provided for 15 days.
6. Depreciation and Income tax has been taken as per the Income tax Act,1961.
7. Interest on working Capital Loan and Term loan has been taken at 11%.
8. Salary and wages rates are taken as per the Current Market Scenario.
9. Power Consumption has been taken at 34 HP.
10. Selling Prices & Raw material costing has been increased by 3% & 2% respectively in the subsequent years.

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