

# PROJECT REPORT

Of

## ACRYLIC SIGNAGE BOARD

### PURPOSE OF THE DOCUMENT

This particular pre-feasibility is regarding **Acrylic Signage Board**.

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.]



**Lucknow Office:** Sidhivinayak Building ,  
27/1/B, Gokhley Marg, Lucknow-226001

**Delhi Office :** Multi Disciplinary Training  
Centre, Gandhi Darshan Rajghat,  
New Delhi 110002

**Email :** [info@udyami.org.in](mailto:info@udyami.org.in)  
**Contact :** +91 7526000333, 444, 555

**PROJECT AT A GLANCE**

- 1 Name of the Entrepreneur : xxxxxxxxxx
- 2 Constitution (legal Status) : xxxxxxxxxx
- 3 Father / Spouse Name : xxxxxxxxxxxxxx
- 4 Unit Address : xxxxxxxxxxxxxxxxxxxxxxxxxx
- District : xxxxxxxx  
Pin: xxxxxxxx State: xxxxxxxxxx  
Mobile xxxxxxxx
- 5 Product and By Product : **ACRYLIC SIGNAGE BOARD**
- 6 Name of the project / business activity proposed : **ACRYLIC SIGNAGE BOARD MANUFACTURING UNIT**
- 7 Cost of Project : Rs.21.11 Lakhs
- 8 Means of Finance  
Term Loan Rs.13.5 Lakhs  
Own Capital Rs.2.11 Lakhs  
Working Capital Rs.5.5 Lakhs
- 9 Debt Service Coverage Ratio : 2.75
- 10 Pay Back Period : 5 Years
- 11 Project Implementation Period : 5-6 Months
- 12 Break Even Point : 43%
- 13 Employment : 16 Persons
- 14 Power Requirement : 10 HP
- 15 Major Raw materials : Acrylic Sheet, Colour Paste, Aluminium Composite Panel,LED, Power Supply
- 16 Estimated Annual Sales Turnover (Max Utilized Capacity) : 140.22 Lakhs
- 17 Detailed Cost of Project & Means of Finance

**COST OF PROJECT**

(Rs. In Lakhs)

Particulars	Amount
Land	Own/Rented
Building /Shed 1500 Sq ft	Own/Rented
Plant & Machinery	14.00
Furniture & Fixtures	1.00
Working Capital Requirement	6.11
<b>Total</b>	<b>21.11</b>

**MEANS OF FINANCE**

Particulars	Amount
Own Contribution	2.11
Term Loan	13.50
Working Capital	5.50
<b>Total</b>	<b>21.11</b>

# ACRYLIC SIGNAGE BOARD



## INTRODUCTION

Durability is what makes the Acrylic Sign Board the best option in signage today. They are waterproof and weatherproof, made of high-quality cast acrylic, with a classy finish. Acrylic Signs are manufactured in variations of **transparent, opaque and router-cut**. Acrylic material allows light to permeate and hence is used innovatively in signage for light effects like smudge, smooth and clear.

Sector of consumption – Corporates. Acrylic Letter Sign Boards are presentation boards designed with multi range of colours and size. Acrylic letters help to suit your organization's branding and marketing needs. As these boards are Portable display boards, can modified with header panels, designed panels sheets, posters.

All letter sign boards packed with sealed box included and are prepared at Designer Site. Prices from acrylic letter board manufacturing depend upon size and colour of material of letter boards.

Acrylic Board is made from colourless, weather-resistant polymer and long-lasting durable material. Acrylic Signs are perfect elements of traditional glass. Normally in as Lobby signage, Directional signage and Architectural Signage Acrylic Letter signs are used and can be applied as Print films attach opaque and clear window screen decals. 3D Acrylic Letter is Looks awesome for indoor and open-air laser cut or board work.

## **MARKET POTENTIAL**

With the expansion of trade and industry the competition in every field is growing day by day. After liberalization of economic policy, variety of foreign goods are available everywhere at cheap rates creating tough competition for industrial and consumer goods in the Local market and advertisement has become very essential for the success of any business activity. As such it is found to have scope for starting new small-scale units for the manufacture of Acrylic sign boards to meet the growing demand.

## **RAW MATERIAL REQUIREMENTS**

1. Acrylic Sheet 8'x4'
2. Aluminium Composite Panels
3. LED
4. Colour Paste
5. Curing Glue
6. Power Supply Drivers

## **MANUFACTURING PROCESS**

The first step is figuring out what your sign will say. Then you'll need to design your special saying or seating chart on your computer and print them out, cut them up and get them situated for your sign!

For Making one Alphabet of Signage Board, Acrylic sheet is used in the Channel Bending Machine so that the design of the desired alphabet produces and then the Alphabets are cut using the CNC Router Machine. After the letter has been cut, it is sent to the UV Curing Machine for approx. 2 hours.

Then, those alphabets get finishing and LED Lights are installed in them. After Installation of LED Lights, Wire and Power Supply Testing shall be done for Quality control measures. After the Proper testing has been done, the Desired Alphabets are packed. Now the Product is ready to be supplied in the Market.

## **PLANT & MACHINERY REQUIRED**

### **1. Channel Bending Machine**



### **2. CNC Router Machine**



### 3. UV Curing Machine



**PROJECTED BALANCE SHEET**

<b>PARTICULARS</b>	<b>I</b>	<b>II</b>	<b>III</b>	<b>IV</b>	<b>V</b>
<b>SOURCES OF FUND</b>					
<b>Capital Account</b>					
Opening Balance	-	2.92	5.66	9.18	13.34
Add: Additions	2.11	-	-	-	-
Add: Net Profit	1.31	4.49	7.52	10.16	12.94
Less: Drawings	0.50	1.75	4.00	6.00	8.00
<b>Closing Balance</b>	<b>2.92</b>	<b>5.66</b>	<b>9.18</b>	<b>13.34</b>	<b>18.28</b>
CC Limit	5.50	5.50	5.50	5.50	5.50
Term Loan	12.00	9.00	6.00	3.00	-
Sundry Creditors	0.87	1.01	1.15	1.31	1.48
<b>TOTAL :</b>	<b>21.30</b>	<b>21.17</b>	<b>21.83</b>	<b>23.15</b>	<b>25.27</b>
<b>APPLICATION OF FUND</b>					
<b>Fixed Assets ( Gross)</b>	15.00	15.00	15.00	15.00	15.00
Gross Dep.	2.20	4.08	5.67	7.04	8.20
Net Fixed Assets	12.80	10.93	9.33	7.96	6.80
<b>Current Assets</b>					
Sundry Debtors	5.41	6.34	7.27	8.27	9.35
Stock in Hand	2.80	3.19	3.63	4.11	4.63
Cash and Bank	0.29	0.71	1.60	2.81	4.48
<b>TOTAL :</b>	<b>21.30</b>	<b>21.17</b>	<b>21.83</b>	<b>23.15</b>	<b>25.27</b>
	-	-	-	-	-

**PROJECTED PROFITABILITY STATEMENT**

<b>PARTICULARS</b>	<b>I</b>	<b>II</b>	<b>III</b>	<b>IV</b>	<b>V</b>
<b><u>A) SALES</u></b>					
Gross Sale	81.13	95.14	109.00	124.00	140.22
<b>Total (A)</b>	<b>81.13</b>	<b>95.14</b>	<b>109.00</b>	<b>124.00</b>	<b>140.22</b>
<b><u>B) COST OF SALES</u></b>					
Raw Mateiral Consumed	37.35	43.15	49.43	56.22	63.57
Electricity Expenses	1.12	1.23	1.34	1.46	1.57
Repair & Maintenance	0.16	0.19	0.22	0.25	0.28
Labour & Wages	15.11	16.63	18.29	20.12	22.13
Depreciation	2.20	1.88	1.60	1.36	1.16
<b>Cost of Production</b>	<b>55.95</b>	<b>63.07</b>	<b>70.88</b>	<b>79.40</b>	<b>88.71</b>
<b>Add: Opening Stock /WIP</b>	-	0.93	1.04	1.16	1.30
<b>Less: Closing Stock /WIP</b>	0.93	1.04	1.16	1.30	1.46
Cost of Sales (B)	55.01	62.97	70.75	79.26	88.55
<b>C) GROSS PROFIT (A-B)</b>	26.11	32.18	38.25	44.73	51.67
	<b>32.19%</b>	<b>33.82%</b>	<b>35.09%</b>	<b>36.08%</b>	<b>36.85%</b>
D) Bank Interest (Term Loan )	1.46	1.20	0.87	0.54	0.21
ii) Interest On Working Capital	0.61	0.61	0.61	0.61	0.61
E) Salary to Staff	10.56	11.62	12.78	14.06	15.46
F) Selling & Adm Expenses Exp.	12.17	14.27	16.35	18.60	21.03
<b>TOTAL (D+E)</b>	<b>24.80</b>	<b>27.69</b>	<b>30.60</b>	<b>33.80</b>	<b>37.31</b>
H) NET PROFIT	1.31	4.49	7.65	10.94	14.37
	<b>1.6%</b>	<b>4.7%</b>	<b>7.0%</b>	<b>8.8%</b>	<b>10.2%</b>
I) Taxation	-	-	0.13	0.78	1.42
J) PROFIT (After Tax)	1.31	4.49	7.52	10.16	12.94

**PROJECTED CASH FLOW STATEMENT**

<b>PARTICULARS</b>	<b>I</b>	<b>II</b>	<b>III</b>	<b>IV</b>	<b>V</b>
<b><u>SOURCES OF FUND</u></b>					
Own Contribution	2.11	-			
Net Profit	1.31	4.49	7.65	10.94	14.37
Depreciation & Exp. W/off	2.20	1.88	1.60	1.36	1.16
Increase In Cash Credit	5.50				
Increase In Term Loan	13.50	-	-	-	-
Increase in Creditors	0.87	0.14	0.15	0.16	0.17
<b>TOTAL :</b>	<b>25.50</b>	<b>6.50</b>	<b>9.39</b>	<b>12.46</b>	<b>15.70</b>
<b><u>APPLICATION OF FUND</u></b>					
Increase in Fixed Assets	15.00	-	-	-	-
Increase in Stock	2.80	0.39	0.44	0.48	0.52
Increase in Debtors	5.41	0.93	0.92	1.00	1.08
Repayment of Term Loan	1.50	3.00	3.00	3.00	3.00
Taxation	-	-	0.13	0.78	1.42
Drawings	0.50	1.75	4.00	6.00	8.00
<b>TOTAL :</b>	<b>25.21</b>	<b>6.08</b>	<b>8.50</b>	<b>11.26</b>	<b>14.02</b>
Opening Cash & Bank Balance	-	0.29	0.71	1.60	2.81
Add : Surplus	0.29	0.42	0.90	1.20	1.68
Closing Cash & Bank Balance	<b>0.29</b>	<b>0.71</b>	<b>1.60</b>	<b>2.81</b>	<b>4.48</b>

**COMPUTATION OF MANUFACTURING OF ACRYLIC SIGNAGE BOARD****Items to be Manufactured ACRYLIC SIGNAGE BOARD**

Manufacturing Capacity per Day		100.00	SQ FT
No. of Working Hour		8	
No of Working Days per month		25	
No. of Working Day per annum		300	
Total Production per Annum		30,000	pcs
Year		Capacity	ACRYLIC SIGNAGE BOARD
		Utilisation	
I		50%	15,000
II		55%	16,500
III		60%	18,000
IV		65%	19,500
V		70%	21,000

**COMPUTATION OF RAW MATERIAL**

Item Name	Quantity of Raw Material	Unit	Unit Rate of	Total CostPer Annum (100%)
Acrylic Sheet	35,000.00	sqft	100.00	3,500,000.00
LED Strips	15,000.00	mtr	25.00	375,000.00
Aluminium Composite Panel	35,000.00	sqft	90.00	3,150,000.00
Colour Paste	lumsum			250,000.00
Power Supply Drivers and Packing Material	lumsum			200,000.00
<b>Total</b>	<b>85,000.00</b>			<b>7,475,000.00</b>

Total Raw material in Rs lacs at 100% Capacity 74.75  
 Cost per sqft (In Rs) 249.00

Raw Material Consumed	Capacity Utilisation	Rate	Amount (Rs.)
I	50%	249.00	37.35
II	55%	261.50	43.15
III	60%	274.60	49.43
IV	65%	288.30	56.22
V	70%	302.70	63.57

**COMPUTATION OF SALE**

Particulars	I	II	III	IV	V
Op Stock	-	250.00	275.00	300.00	325.00
Production	15,000.00	16,500.00	18,000.00	19,500.00	21,000.00
	15,000.00	16,750.00	18,275.00	19,800.00	21,325.00
Less : Closing Stock(5 Days)	250.00	275.00	300.00	325.00	350.00
Net Sale	14,750.00	16,475.00	17,975.00	19,475.00	20,975.00
Sale Price per sqft	550.00	577.50	606.38	636.69	668.53
<b>Sale (in Lacs)</b>	<b>81.13</b>	<b>95.14</b>	<b>109.00</b>	<b>124.00</b>	<b>140.22</b>

**COMPUTATION OF CLOSING STOCK & WORKING CAPITAL**

<b>PARTICULARS</b>	<b>I</b>	<b>II</b>	<b>III</b>	<b>IV</b>	<b>V</b>
<b>Finished Goods</b>					
(5 Days requirement)	0.93	1.04	1.16	1.30	1.46
<b>Raw Material</b>					
(15 Days requirement)	1.87	2.16	2.47	2.81	3.18
<b>Closing Stock</b>	<b>2.80</b>	<b>3.19</b>	<b>3.63</b>	<b>4.11</b>	<b>4.63</b>

**COMPUTATION OF WORKING CAPITAL REQUIREMENT**

<b>Particulars</b>	<b>Amount</b>	<b>Margin(25%)</b>	<b>Net Amount</b>
Stock in Hand	2.80		
Less:			
Sundry Creditors	0.87		
<b>Paid Stock</b>	<b>1.93</b>	<b>0.48</b>	<b>1.45</b>
Sundry Debtors	5.41	1.35	4.06
<b>Working Capital Requirement</b>			<b>5.50</b>
<b>Margin</b>			1.83
<b>MPBF</b>			<b>5.50</b>
<b>Working Capital Demand</b>			<b>5.50</b>

**BREAK UP OF LABOUR**

Particulars		Wages	No of	Total
		Per Month	Employees	Salary
Plant Operator		20,000.00	2	40,000.00
Skilled Worker		12,500.00	2	25,000.00
Unskilled Worker		9,000.00	4	36,000.00
Helper		6,000.00	1	6,000.00
Security Guard		7,500.00	1	7,500.00
				114,500.00
Add: 10% Fringe Benefit				11,450.00
Total Labour Cost Per Month				125,950.00
Total Labour Cost for the year ( In Rs. Lakhs)			10	15.11

**BREAK UP OF SALARY**

Particulars		Salary	No of	Total
		Per Month	Employees	Salary
Manager		25,000.00	1	15,000.00
Accountant cum store keeper		15,000.00	1	15,000.00
Administrative Staffs		12,500.00	4	50,000.00
Total Salary Per Month				80,000.00
Add: 10% Fringe Benefit				8,000.00
Total Salary for the month				88,000.00
Total Salary for the year ( In Rs. Lakhs)			6	10.56

**COMPUTATION OF DEPRECIATION**

Description	Land	Building/shed	Plant & Machinery	Furniture	TOTAL
Rate of Depreciation			15.00%	10.00%	
<b>Opening Balance</b>	Leased		-	-	-
Addition	-	Own/Rented	14.00	1.00	15.00
	-		14.00	1.00	15.00
TOTAL		-	14.00	1.00	15.00
Less : Depreciation	-	-	2.10	0.10	2.20
WDV at end of Ist year	-	-	11.90	0.90	12.80
Additions During The Year	-	-	-	-	-
	-	-	11.90	0.90	12.80
Less : Depreciation	-	-	1.79	0.09	1.88
WDV at end of IIInd Year	-	-	10.12	0.81	10.93
Additions During The Year	-	-	-	-	-
	-	-	10.12	0.81	10.93
Less : Depreciation	-	-	1.52	0.08	1.60
WDV at end of IIIrd year	-	-	8.60	0.73	9.33
Additions During The Year	-	-	-	-	-
	-	-	8.60	0.73	9.33
Less : Depreciation	-	-	1.29	0.07	1.36
WDV at end of IV year	-	-	7.31	0.66	7.96
Additions During The Year	-	-	-	-	-
	-	-	7.31	0.66	7.96
Less : Depreciation	-	-	1.10	0.07	1.16
WDV at end of Vth year	-	-	6.21	0.59	6.80

**REPAYMENT SCHEDULE OF TERM LOAN**

11.0%

Year	Particulars	Amount	Addition	Total	Interest	Repayment	CI Balance
<b>I</b>	Opening Balance						
	Ist Quarter		13.50	13.50	0.37	-	13.50
	IInd Quarter	13.50	-	13.50	0.37	-	13.50
	IIIrd Quarter	13.50	-	13.50	0.37	0.75	12.75
	Ivth Quarter	12.75	-	12.75	0.35	0.75	12.00
					1.46	1.50	
<b>II</b>	Opening Balance						
	Ist Quarter	12.00	-	12.00	0.33	0.75	11.25
	IInd Quarter	11.25	-	11.25	0.31	0.75	10.50
	IIIrd Quarter	10.50	-	10.50	0.29	0.75	9.75
	Ivth Quarter	9.75		9.75	0.27	0.75	9.00
					1.20	3.00	
<b>III</b>	Opening Balance						
	Ist Quarter	9.00	-	9.00	0.25	0.75	8.25
	IInd Quarter	8.25	-	8.25	0.23	0.75	7.50
	IIIrd Quarter	7.50	-	7.50	0.21	0.75	6.75
	Ivth Quarter	6.75		6.75	0.19	0.75	6.00
					0.87	3.00	
<b>IV</b>	Opening Balance						
	Ist Quarter	6.00	-	6.00	0.17	0.75	5.25
	IInd Quarter	5.25	-	5.25	0.14	0.75	4.50
	IIIrd Quarter	4.50	-	4.50	0.12	0.75	3.75
	Ivth Quarter	3.75		3.75	0.10	0.75	3.00
					0.54	3.00	
<b>V</b>	Opening Balance						
	Ist Quarter	3.00	-	3.00	0.08	0.75	2.25
	IInd Quarter	2.25	-	2.25	0.06	0.75	1.50
	IIIrd Quarter	1.50	-	1.50	0.04	0.75	0.75
	Ivth Quarter	0.75		0.75	0.02	0.75	-
					0.21	3.00	

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

**CALCULATION OF D.S.C.R**

<b>PARTICULARS</b>	<b>I</b>	<b>II</b>	<b>III</b>	<b>IV</b>	<b>V</b>
<b><u>CASH ACCRUALS</u></b>	3.51	6.36	9.12	11.52	14.11
Interest on Term Loan	1.46	1.20	0.87	0.54	0.21
Total	4.98	7.56	9.98	12.06	14.31
<b><u>REPAYMENT</u></b>					
Repayment of Term Loan	1.50	3.00	3.00	3.00	3.00
Interest on Term Loan	1.46	1.20	0.87	0.54	0.21
Total	2.96	4.20	3.87	3.54	3.21
<b>DEBT SERVICE COVERAGE RATIO</b>	<b>1.68</b>	<b>1.80</b>	<b>2.58</b>	<b>3.41</b>	<b>4.46</b>
<b>AVERAGE D.S.C.R.</b>			<b>2.75</b>		

**COMPUTATION OF ELECTRICITY****(A) POWER CONNECTION**

Total Working Hour per day	Hours	8	
Electric Load Required	HP	10	
Load Factor		0.7460	
Electricity Charges	per unit	7.50	
Total Working Days		300	
<b>Electricity Charges</b>			1.34
Add : Minimim Charges (@ 10%)			

**(B) DG set**

No. of Working Days		300	days
No of Working Hours		0.5	Hour per day
Total no of Hour		150	
Diesel Consumption per Hour		8	
Total Consumption of Diesel		1,200	
Cost of Diesel		65.00	Rs. /Ltr
Total cost of Diesel		0.78	
Add : Lube Cost @15%		0.12	
Total		<b>0.90</b>	

Total cost of Power & Fuel at 100% 2.24

Year	Capacity	Amount (in Lacs)
I	50%	1.12
II	55%	1.23
III	60%	1.34
IV	65%	1.46
V	70%	1.57

**PLANT & MACHINERY**

<b>PARTICULARS</b>	<b>QTY.</b>	<b>RATE</b>	<b>AMOUNT IN RS.</b>
CNC Router Machine	1	500,000.00	500,000.00
Channel Bending MACHINE	1	450,000.00	450,000.00
UV Curing Machine	1	350,000.00	350,000.00
Installation and Electrification	1	-	100,000.00
Net Amount			1,400,000.00

## **DISCLAIMER**

The views expressed in this Project Report are advisory in nature. SAMADHAN assume no financial liability to anyone using the content for any purpose. All the materials and content contained in Project report is for educational purpose and reflect the views of the industry which are drawn from various research material sources from internet, experts, suppliers and various other sources. The actual cost of the project or industry will have to be taken on case to case basis considering specific requirement of the project, capacity and type of plant and other specific factors/cost directly related to the implementation of project. It is intended for general guidance only and must not be considered a substitute for a competent legal advice provided by a licensed industry professional. SAMADHAN hereby disclaims any and all liability to any party for any direct, indirect, implied, punitive, special, incidental or other consequential damages arising directly or indirectly from any use of the Project Report Content, which is provided as is, and without warranties.