

# PROJECT REPORT

Of

# MOUSE PAD

## PURPOSE OF THE DOCUMENT

This particular pre-feasibility is regarding Mouse Pad 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 : xxxxxxxxxxxxxxxxxxxxxxxxx
- District : xxxxxxxx
- Pin: xxxxxxxx State: xxxxx
- Mobile xxxxxxxx
- 5 Product and By Product : **MOUSE PAD**
- 6 Name of the project / business activity proposed : **MOUSE PAD MANUFACTURING UNIT**
- 7 Cost of Project : Rs.24.84 Lakhs
- 8 Means of Finance
- Term Loan Rs.14.58 Lakhs
- Own Capital Rs.2.48 Lakhs
- Working Capital Rs.7.77 Lakhs
- 9 Debt Service Coverage Ratio : 2.86
- 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 : 20.00 HP
- 15 Major Raw materials : Silicon Rubber Roll
- 16 Estimated Annual Sales Turnover (Max Capacity) : 172.08 Lakhs
- 17 Detailed Cost of Project & Means of Finance

**COST OF PROJECT**

(Rs. In Lakhs)

Particulars	Amount
Land	Own/Rented
Plant & Machinery	15.70
Furniture & Fixtures	0.50
Working Capital	8.64
<b>Total</b>	<b>24.84</b>

**MEANS OF FINANCE**

Particulars	Amount
Own Contribution	2.48
Working Capital(Finance)	7.77
Term Loan	14.58
<b>Total</b>	<b>24.84</b>

# MOUSE PAD MANUFACTURING UNIT

## Introduction:

A mousepad is a flat surface on which a computer mouse may be positioned and moved. By providing a surface for the mouse to monitor movement precisely and without jitter, a mousepad improves its usefulness as compared to using a mouse directly on a table. Although the benefits of a cushioned wrist rest on some mousepads are disputed, they do improve ergonomics. Higher speed, better precision, and user comfort were the three most major advantages of the mousepad's debut. A side benefit was that constant hand and mouse rubbing motions did not damage or wear the tabletop or table surface. Another advantage was that the accumulation of dirt under the mouse was minimized, resulting in less jitter of the pointer on the display. Computer mouse is intended to move the pointer around the screen in an easy and smooth manner, but a mouse pad makes this operation considerably more efficient. While the mouse can operate without a pad, it is recommended that you use one to keep the mouse's sensors clean and free of potentially harmful dust and debris.



## **Uses & Market Potential:**

Mouse pad is a surface made from resilient material for placing and moving a computer mouse. A mousepad enhances the usability and utility of the mouse compared to using a mouse directly on a table. This is considered as an essential item for the smooth functioning of the mouse without any hindrance. The mouse pad market is divided into four categories: region (country), players, type, and application. Players, stakeholders, and other market players in the worldwide Mouse Pad market will get an advantage by utilizing the research as a valuable resource. Technavio has updated its offering to include the worldwide computer accessories market by end-user (business and consumer) and geography (North America, APAC, Europe, South America, and MEA). During the year 2020- 2024, the worldwide computer accessories market is anticipated to expand by USD 2.86 billion, with a CAGR of about 6%.

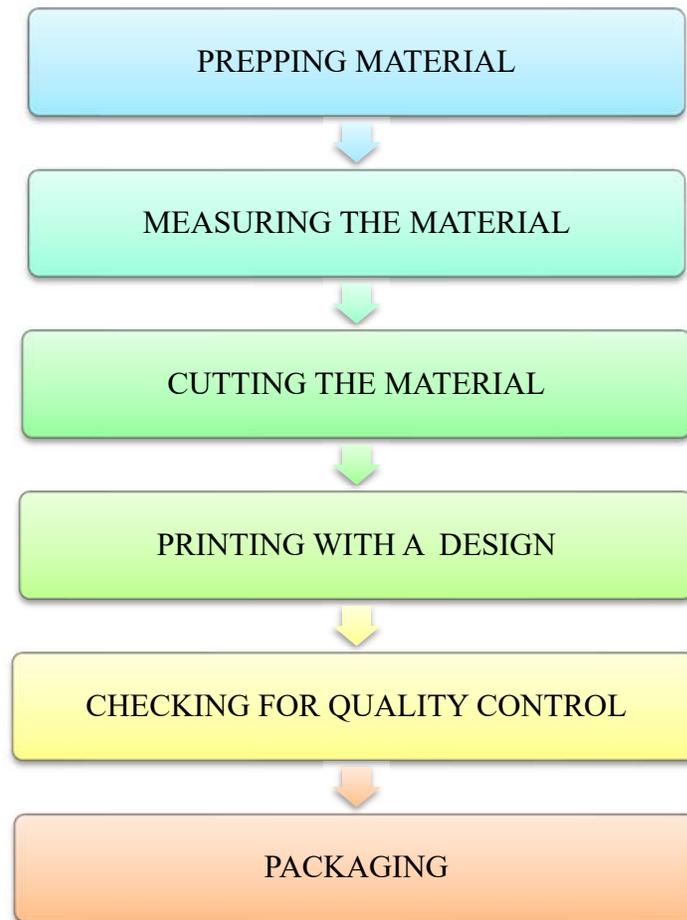
## **Product:**

Mouse Pad

## **Raw Material:**

The raw materials used to form Mouse pads is a single resource silicon rubber roll procured from the vendor.

## **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:**

<b>Machine</b>	<b>Unit</b>	<b>Rate</b>	<b>Price</b>
Injekt Printing Machine	1	1120000	1120000
Die Cutting Machine	1	400000	400000
Other equipment's and tools	-	-	50000
<b>Total Amount</b>			<b>1570000</b>

**Power Requirement-** The estimated Power requirement is taken at 20 HP.

**Manpower Requirement-** Following manpower is required:

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

# **FINANCIALS**

**PROJECTED BALANCE SHEET**

<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>					
<b><u>Capital Account</u></b>					
Opening Balance	-	3.62	5.19	7.83	11.70
Add: Additions	2.48	-	-	-	-
Add: Net Profit	5.13	6.57	8.15	9.86	11.62
Less: Drawings	4.00	5.00	5.50	6.00	7.50
<b>Closing Balance</b>	<b>3.62</b>	<b>5.19</b>	<b>7.83</b>	<b>11.70</b>	<b>15.82</b>
CC Limit	7.77	7.77	7.77	7.77	7.77
Term Loan	12.96	9.72	6.48	3.24	-
Sundry Creditors	3.26	3.75	4.24	4.76	5.30
<b>TOTAL :</b>	<b>27.61</b>	<b>26.42</b>	<b>26.33</b>	<b>27.47</b>	<b>28.89</b>
<b><u>APPLICATION OF FUND</u></b>					
<b>Fixed Assets ( Gross)</b>	16.20	16.20	16.20	16.20	16.20
Gross Dep.	2.41	4.45	6.19	7.68	8.94
Net Fixed Assets	13.80	11.75	10.01	8.52	7.26
<b>Current Assets</b>					
Sundry Debtors	4.43	5.41	6.24	7.11	8.03
Stock in Hand	7.47	8.61	9.80	11.02	12.30
Cash and Bank	1.92	0.65	0.29	0.81	1.30
<b>TOTAL :</b>	<b>27.61</b>	<b>26.42</b>	<b>26.33</b>	<b>27.47</b>	<b>28.89</b>

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**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	94.85	115.99	133.73	152.42	172.08
<b>Total (A)</b>	<b>94.85</b>	<b>115.99</b>	<b>133.73</b>	<b>152.42</b>	<b>172.08</b>
<b><u>B) COST OF SALES</u></b>					
Raw Material Consumed	65.28	74.91	84.89	95.25	105.98
Electricity Expenses	1.79	2.01	2.24	2.46	2.69
Repair & Maintenance	2.37	2.90	3.34	3.81	4.30
Labour & Wages	12.35	15.44	18.83	22.22	25.78
Depreciation	2.41	2.05	1.74	1.48	1.26
<b>Cost of Production</b>	<b>84.19</b>	<b>97.30</b>	<b>111.04</b>	<b>125.23</b>	<b>140.01</b>
<b>Add: Opening Stock /WIP</b>	<b>-</b>	<b>4.21</b>	<b>4.87</b>	<b>5.55</b>	<b>6.26</b>
<b>Less: Closing Stock /WIP</b>	<b>4.21</b>	<b>4.87</b>	<b>5.55</b>	<b>6.26</b>	<b>7.00</b>
Cost of Sales (B)	79.98	96.65	110.36	124.52	139.27
<b>C) GROSS PROFIT (A-B)</b>	<b>14.86</b>	<b>19.34</b>	<b>23.37</b>	<b>27.91</b>	<b>32.81</b>
	<b>15.67%</b>	<b>16.68%</b>	<b>17.48%</b>	<b>18.31%</b>	<b>19.07%</b>
D) Bank Interest i) (Term Loan )	1.58	1.29	0.94	0.58	0.22
ii) Interest On Working Capital	0.85	0.85	0.85	0.85	0.85
E) Salary to Staff	5.67	6.80	8.16	9.63	10.79
F) Selling & Adm Expenses Exp.	1.42	3.25	4.28	5.33	6.88
<b>G) TOTAL (D+E+F)</b>	<b>9.53</b>	<b>12.20</b>	<b>14.23</b>	<b>16.40</b>	<b>18.75</b>
<b>H) NET PROFIT</b>	<b>5.33</b>	<b>7.14</b>	<b>9.14</b>	<b>11.50</b>	<b>14.06</b>
	<b>5.6%</b>	<b>6.2%</b>	<b>6.8%</b>	<b>7.5%</b>	<b>8.2%</b>
I) Taxation	0.20	0.58	0.99	1.64	2.44
<b>J) PROFIT (After Tax)</b>	<b>5.13</b>	<b>6.57</b>	<b>8.15</b>	<b>9.86</b>	<b>11.62</b>

**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	2.48	-	-	-	-
Reserve & Surplus	5.33	7.14	9.14	11.50	14.06
Depreciation & Exp. W/off	2.41	2.05	1.74	1.48	1.26
Increase In Cash Credit	7.77	-	-	-	-
Increase In Term Loan	14.58	-	-	-	-
Increase in Creditors	3.26	0.48	0.50	0.52	0.54
<b>TOTAL :</b>	<b>35.84</b>	<b>9.67</b>	<b>11.38</b>	<b>13.50</b>	<b>15.86</b>
<b><u>APPLICATION OF FUND</u></b>					
Increase in Fixed Assets	16.20	-	-	-	-
Increase in Stock	7.47	1.14	1.19	1.23	1.28
Increase in Debtors	4.43	0.99	0.83	0.87	0.92
Repayment of Term Loan	1.62	3.24	3.24	3.24	3.24
Taxation	0.20	0.58	0.99	1.64	2.44
Drawings	4.00	5.00	5.50	6.00	7.50
<b>TOTAL :</b>	<b>33.92</b>	<b>10.94</b>	<b>11.74</b>	<b>12.98</b>	<b>15.37</b>
Opening Cash & Bank Balance	-	1.92	0.65	0.29	0.81
Add : Surplus	1.92	- 1.27	- 0.36	0.53	0.49
Closing Cash & Bank Balance	<b>1.92</b>	<b>0.65</b>	<b>0.29</b>	<b>0.81</b>	<b>1.30</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><u>Finished Goods</u></b>					
(15 Days requirement)	4.21	4.87	5.55	6.26	7.00
<b><u>Raw Material</u></b>					
(15 Days requirement)	3.26	3.75	4.24	4.76	5.30
<b>Closing Stock</b>	<b>7.47</b>	<b>8.61</b>	<b>9.80</b>	<b>11.02</b>	<b>12.30</b>

**COMPUTATION OF WORKING CAPITAL REQUIREMENT**

<b>Particulars</b>	<b>Amount</b>	<b>Margin(10%)</b>	<b>Net Amount</b>
Stock in Hand	7.47		
Less:			
Sundry Creditors	3.26		
<b>Paid Stock</b>	<b>4.21</b>	<b>0.42</b>	<b>3.79</b>
Sundry Debtors	4.43	0.44	3.98
<b>Working Capital Requirement</b>			<b>7.77</b>
<b>Margin</b>			<b>0.86</b>
<b>MPBF</b>			<b>7.77</b>
<b>Working Capital Demand</b>			<b>7.77</b>

**REPAYMENT SCHEDULE OF TERM LOAN**

11.0%

Year	Particulars	Amount	Addition	Total	Interest	Repayment	CI Balance
<b>I</b>	Opening Balance						
	Ist Quarter	-	14.58	14.58	0.40	-	14.58
	Iind Quarter	14.58	-	14.58	0.40	-	14.58
	IIIrd Quarter	14.58	-	14.58	0.40	0.81	13.77
	Ivth Quarter	13.77	-	13.77	0.38	0.81	12.96
					1.58	1.62	
<b>II</b>	Opening Balance						
	Ist Quarter	12.96	-	12.96	0.36	0.81	12.15
	Iind Quarter	12.15	-	12.15	0.33	0.81	11.34
	IIIrd Quarter	11.34	-	11.34	0.31	0.81	10.53
	Ivth Quarter	10.53		10.53	0.29	0.81	9.72
					1.29	3.24	
<b>III</b>	Opening Balance						
	Ist Quarter	9.72	-	9.72	0.27	0.81	8.91
	Iind Quarter	8.91	-	8.91	0.25	0.81	8.10
	IIIrd Quarter	8.10	-	8.10	0.22	0.81	7.29
	Ivth Quarter	7.29		7.29	0.20	0.81	6.48
					0.94	3.24	
<b>IV</b>	Opening Balance						
	Ist Quarter	6.48	-	6.48	0.18	0.81	5.67
	Iind Quarter	5.67	-	5.67	0.16	0.81	4.86
	IIIrd Quarter	4.86	-	4.86	0.13	0.81	4.05
	Ivth Quarter	4.05		4.05	0.11	0.81	3.24
					0.58	3.24	
<b>V</b>	Opening Balance						
	Ist Quarter	3.24	-	3.24	0.09	0.81	2.43
	Iind Quarter	2.43	-	2.43	0.07	0.81	1.62
	IIIrd Quarter	1.62	-	1.62	0.04	0.81	0.81
	Ivth Quarter	0.81		0.81	0.02	0.81	- 0.00
					0.22	3.24	

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>	7.54	8.62	9.89	11.35	12.88
Interest on Term Loan	1.58	1.29	0.94	0.58	0.22
Total	9.12	9.91	10.83	11.93	13.11
<b><u>REPAYMENT</u></b>					
Repayment of Term Loan	1.62	3.24	3.24	3.24	3.24
Interest on Term Loan	1.58	1.29	0.94	0.58	0.22
Total	3.20	4.53	4.18	3.82	3.46
<b>DEBT SERVICE COVERAGE RATIO</b>	<b>2.85</b>	<b>2.19</b>	<b>2.59</b>	<b>3.12</b>	<b>3.79</b>
<b>AVERAGE D.S.C.R.</b>			<b>2.86</b>		

**Assumptions:**

1. Production Capacity of Mouse Pad Manufacturing unit is taken at 1600 Pcs per day. First year, Capacity has been taken @ 40%.
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 20 HP.
10. Selling Prices & Raw material costing has been increased by 3% & 2% respectively in the subsequent years.

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