## PROJECT REPORT

## Of

## MINI TUFTING UNIT

## PURPOSE OF THE DOCUMENT

This particular pre-feasibility is regarding MINI TUFTING 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.]

1 Name of the Entreprenuer
2 Constitution (legal Status)
3 Father's/ Spouce's Name

4 Unit Address

5 Product and By Product

6 Name of the project / business activity proposed :

7 Cost of Project

8 Means of Finance Term Loan
KVIC Margin Money
Own Capital
Working Capital
9 Debt Service Coverage Ratio
10 Pay Back Period
11 Project Implementation Period

12 Break Even Point

13 Employment

14 Power Requirement
15 Major Raw materials
16 Estimated Annual Sales Turnover

16 Detailed Cost of Project \& Means of Finance
xxxxxxx

XXXXXXX
$X X X X X X X X$

XXXXXXXX

| Taluk/ Block: |  |  |  |  |
| :--- | :--- | :--- | :--- | :--- |
| District: |  | XXXXX |  |  |
| Pin: | XXXXX | State: | XXXXX |  |
| E-Mail | XXXXX |  |  |  |
| Mobile |  | XXXXX |  |  |

PROJECT PROFILE FOR MINI TUFTING UNIT

PROJECT PROFILE FOR MINI TUFTING UNIT

Rs25.00lac

Rs.16.64 Lacs
As per Project Eligibility
Rs.2.5 Lacs
Rs.5.86 Lacs

$$
2.26
$$

5 Years
6 Months
$35 \%$
8 Persons
12.00 HP

COIR YARN
263.18 Lacs

COST OF PROJECT

| (Rs. In Lacs) |  |
| :--- | ---: |
| Particulars | Amount |
| Land | Rented/ Owned |
| Building \& Civil Work | Rented/ Owned |
| Plant \& Machinery | 18.00 |
| Furniture \& Fixtures | 0.49 |
| Pre-operative Expenses | - |
| Working Capital Requirement | 6.51 |
| Total | $\mathbf{2 5 . 0 0}$ |

## MEANS OF FINANCE

| Particulars | Ams. In Lacs) |
| :--- | ---: |
| Own Contribution @10\% | 2.50 |
| Term Loan | 16.64 |
| Workign Capital Finance | 5.86 |
| Total | $\mathbf{2 5 . 0 0}$ |
|  |  |
|  |  |
| Beneficiary's Margin Monery | General | Special

## PROJECT PROFILE FOR MINI TUFTING UNIT



## - INTRODUCTION

.PVC backed non-woven mat in 50 cm width and different length and pile height and PVC thickness can be adjusted by cutting and doctor blade.Cutting head has a spreading platform for PVC/Latex emulsion and device for controlling its thickness.

## - PROCESS OF MANUFACTURE

Hanks of coir yarn are wound into spools by using spool winding machines. Hanks are placed on the flyers supplied with this machine and yarn is taken through yarn tensioners and attached to the empty spools on the winding drum. When the machines start the winding drum rotates and the yarn is wound into spools. The yarn released from the spools is first chopped into equal preset lengths and thickly implanted vertically onto the PVC resin/latex sheet by passing the materials through a chute. The pile height is controlled for achieving the required thickness of the sheet.

A conveyor with heat resistant Teflon belt running along the length of the machine and movement of this conveyor is regulated by the belt aligner. The conveyor belt is Teflon
coated, capable of withstanding temperature up to $250^{\circ} \mathrm{C}$, so as to facilitate easy removal of the sheet after cooling.

The conveyor in its forward movement passes over the heating oven and cooling zone and by doing so, the bits of coir yarn gets implanted family over the PVC/Latex base and forms the mats.The mat can be rolled out of the machine in continuous length or cutting to mat size by longitudinal and cross cutting. Starting from the creel stand to the delivery end, the machine performs automatically.

## BASIS AND PRESUMTIONS

- The Project Profile is based on 8 working hours for2shifts in a day and 25 days in a month and the Break Even efficiency has been calculated on 55\%, 65\%, 75\%, 85\% and $95 \%$ capacity utilization.
- The rate of interest both for fixed asset and working capital have been taken as 11.5\% p.a.


## - TECHNICAL ASPECTS

| Installed Production capacity per day | $:$ | 250 sq.meter |
| :--- | :--- | :--- |
| Number of Shift per day | $:$ | 2 |
| Working days p.a | $:$ | 300 days |
| Capacity Utilization | $:$ | $55 \%$ |
| $\quad$-First year | $:$ | $65 \%$ |
| -Second year | $:$ | $75 \%$ |
| -Third year | $:$ | $85 \%$ |
| $\quad$-Fourth year | $:$ | $95 \%$ |
| $\quad$-Fifth year | $:$ | Rs. 330 per sq.meter |
| Rate of Average Sales Realization | $:$ | Rs.300 |
| Rate of Average cost of raw material | $:$ | $11.50 \%$ |
| Interest on term Loan | $:$ | $11.50 \%$ |
| Interest on working capital | $:$ | 2 |
| Manpower requirement | $:$ | 6 |
| $\quad$ Skilled worker | $:$ | 12 HP |
| Unskilled worker |  |  |

## PLANT \& MACHINERY

| PARTICULARS | QTY. | RATE | AMOUNT IN RS. |
| :--- | ---: | ---: | ---: |
| Creel Stands to carry yarn in spools | 1.00 |  |  |
| Pre heated to eliminate excess <br> moisture in yarn | 1.00 |  |  |
| Motorized stirrer/Pulveriser unit for <br> PVC/ Latex emulsion | 1.00 |  |  |
| Cutting head to cut the yarn into bits <br> as per pile height of mat | 1.00 |  |  |
| Belt joining device | 1.00 |  |  |
| Teflon conveyor | 1.00 |  |  |
| Heating panels of required quantities | 1.00 |  |  |
| Cooling zone of required length | 1.00 |  |  |
| Roll winding device | 1.00 |  | $18,00,000.00$ |
| Electrical panel board | 1.00 |  |  |
| Total Cost of Plant and Machineries |  |  |  |


| PARTICULARS | IST YEAR | IIND YEAR | IIIRD YEAR | IVTH YEAR | VTH YEAR |
| :---: | :---: | :---: | :---: | :---: | :---: |
| SOURCES OFFUND |  |  |  |  |  |
| Capital Account | 2.50 | 2.50 | 2.50 | 2.50 | 2.50 |
| Retained Profit | 5.11 | 11.53 | 19.82 | 30.57 | 42.51 |
| Term Loan | 16.64 | 12.48 | 8.32 | 4.16 | 0.00 |
| Cash Credit | 5.86 | 5.86 | 5.86 | 5.86 | 5.86 |
| Sundry Creditors | 8.25 | 9.75 | 11.25 | 12.75 | 13.50 |
| Provisions \& Other Liab | 0.36 | 0.40 | 0.44 | 0.48 | 0.53 |
| TOTAL: | 38.72 | 42.51 | 48.18 | 56.32 | 64.89 |

## APPLICATION OF FUND

Fixed A ssets ( G ross)
Gross Dep.
Net Fixed Assets

| 18.49 | 18.49 | 18.49 | 18.49 | 18.49 |
| ---: | ---: | ---: | ---: | ---: |
| 2.72 | 5.07 | 7.06 | 8.75 | 10.20 |
| 15.77 | 13.42 | 11.43 | 9.74 | 8.29 |

Current A ssets
Sundry Debtors

| 2.63 | 3.20 | 3.70 | 4.19 | 4.45 |
| ---: | ---: | ---: | ---: | ---: |
| 12.13 | 14.33 | 16.54 | 18.74 | 19.85 |
| 5.70 | 8.81 | 13.49 | 20.32 | 28.65 |
| 2.50 | 2.75 | 3.03 | 3.33 | 3.66 |
|  |  |  |  |  |
| $\mathbf{3 8 . 7 2}$ | $\mathbf{4 2 . 5 1}$ | $\mathbf{4 8 . 1 8}$ | $\mathbf{5 6 . 3 2}$ | $\mathbf{6 4 . 8 9}$ |

TOTAL:
.

| PARTICULARS | IST YEAR | IIND YEAR | IIIRD YEAR | IVTH YEAR | VTH YEAR |
| :---: | :---: | :---: | :---: | :---: | :---: |
| SOURCES OF FUND |  |  |  |  |  |
| Share Capital | 2.50 | - |  |  |  |
| Reserve \& Surplus | 5.11 | 7.13 | 10.36 | 13.44 | 14.92 |
| Depriciation \& Exp. W/ off | 2.72 | 2.34 | 1.99 | 1.70 | 1.44 |
| Increase in Cash Credit | 5.86 | - | - | - | - |
| Increase In Term Loan | 16.64 | - | - | - | - |
| Increase in Creditors | 8.25 | 1.50 | 1.50 | 1.50 | 0.75 |
| Increase in Provisions | 0.36 | 0.04 | 0.04 | 0.04 | 0.05 |
| TOTAL: | 41.44 | 11.01 | 13.89 | 16.68 | 17.16 |

## APPLICATION OF FUND

| Increase in Fixed A ssets | 18.49 | - | - | - | - |
| :---: | :---: | :---: | :---: | :---: | :---: |
| Increase in Stock | 12.13 | 2.21 | 2.21 | 2.21 | 1.10 |
| Increase in Debtors | 2.63 | 0.57 | 0.49 | 0.50 | 0.26 |
| Increase in Deposits \& Adv | 2.50 | 0.25 | 0.28 | 0.30 | 0.33 |
| Repayment of Term Loan | - | 4.16 | 4.16 | 4.16 | 4.16 |
| Taxation | - | 0.71 | 2.07 | 2.69 | 2.98 |
| TOTAL: | 35.75 | 7.90 | 9.21 | 9.85 | 8.84 |
| Opening Cash \& Bank Balance | - | 5.70 | 8.81 | 13.49 | 20.32 |
| Add : Surplus | 5.70 | 3.11 | 4.68 | 6.83 | 8.33 |
| Closing Cash \& Bank Balance | 5.70 | 8.81 | 13.49 | 20.32 | 28.65 |


| PROJECTED PROFITABILITY STATEMENT |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
| PARTICULARS | IST YEAR | IIND YEAR | IIIRD YEAR | IVTH YEAR | VTH YEAR |
| A) SALES |  |  |  |  |  |
| Gross Sale | 263.18 | 320.10 | 369.60 | 419.10 | 444.68 |
| Total (A) | 263.18 | 320.10 | 369.60 | 419.10 | 444.68 |
| B) COST OF SALES |  |  |  |  |  |
| Raw Mateiral Consumed | 247.50 | 292.50 | 337.50 | 382.50 | 405.00 |
| Elecricity Expenses | 0.83 | 0.98 | 1.13 | 1.28 | 1.35 |
| Repair \& M aintenance | - | 3.20 | 3.70 | 4.19 | 4.45 |
| Labour \& Wages | 6.07 | 6.68 | 7.35 | 8.08 | 8.89 |
| Depriciation | 2.72 | 2.34 | 1.99 | 1.70 | 1.44 |
| Cost of Production | 257.12 | 305.70 | 351.66 | 397.75 | 421.13 |
| Add: O pening Stock /WIP | - | 6.35 | 7.51 | 8.66 | 9.82 |
| Less: Closing Stock /WIP | 6.35 | 7.51 | 8.66 | 9.82 | 10.40 |
| Cost of Sales (B) | 250.77 | 304.54 | 350.51 | 396.59 | 420.56 |
| C) GROSS PROFIT (A-B) | 12.40 | 15.56 | 19.09 | 22.51 | 24.12 |
|  | 5\% | 5\% | 5\% | 5\% | 5\% |
| D) Bank Interest (Term Loan ) | 1.44 | 1.73 | 1.26 | 0.78 | 0.30 |
| Bank Interest ( C.C. Limit) | 0.59 | 0.59 | 0.59 | 0.59 | 0.59 |
| E) Salary to Staff | 2.64 | 2.90 | 3.19 | 3.51 | 3.87 |
| F) Selling \& Adm Expenses Exp. | 2.63 | 3.20 | 3.70 | 4.19 | 4.45 |
| TOTAL (D+E) | 7.29 | 8.43 | 8.73 | 9.07 | 9.20 |
| H) NET PROFIT | 5.11 | 7.13 | 10.36 | 13.44 | 14.92 |
| I) Taxation | - | 0.71 | 2.07 | 2.69 | 2.98 |
| J) PROFIT (After Tax) | 5.11 | 6.42 | 8.29 | 10.75 | 11.94 |

## COM PUTATION OF MANUFACTURING OF COIR MATT

| Items to be M anufactured | PROJECT PROFILE FOR MINI TUFTING UNIT |  |  |
| :---: | :---: | :---: | :---: |
| Manufacturing Capacity shift | - | 250.00 | Sq Mt |
|  | - |  |  |
| No of Shifts |  | 2 |  |
|  |  |  |  |
| No. of Working Hour |  | 8 |  |
|  |  |  |  |
| No of Working Days per month |  | 25 |  |
|  |  |  |  |
| No. of Working Day per annum |  | 300 |  |
|  |  |  |  |
| Total Production per Annum |  | 1,50,000.00 | SqMt |
|  |  |  |  |
| Year |  | Capacity | SqMt |
|  |  | Utilisation |  |
|  |  |  |  |
| IST YEAR |  | 55\% | 82,500 |
| IIND YEAR |  | 65\% | 97,500 |
| IIIRD YEAR |  | 75\% | 1,12,500 |
| IVTH YEAR |  | 85\% | 1,27,500 |
| VTH YEAR |  | 90\% | 1,35,000 |
|  |  |  |  |

## COM PUTATION OF RAW MATERIAL



COM PUTATION OF SALE

| Particulars | IST YEAR | IIND YEAR | IIIRD YEAR | IVTH YEAR | VTH YEAR |
| :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  |  |  |  |
|  |  |  |  |  |  |
| Op Stock | - | 2,750 | 3,250 | 3,750 | 4,250 |
|  |  |  |  |  |  |
| Production | 82,500 | 97,500 | 1,12,500 | 1,27,500 | 1,35,000 |
|  |  |  |  |  |  |
|  | 82,500 | 1,00,250 | 1,15,750 | 1,31,250 | 1,39,250 |
| Less : Closing Stock | 2,750 | 3,250 | 3,750 | 4,250 | 4,500 |
|  |  |  |  |  |  |
| Net Sale | 79,750 | 97,000 | 1,12,000 | 1,27,000 | 1,34,750 |
|  |  |  |  |  |  |
| Sale Price per MT | 330.00 | 330.00 | 330.00 | 330.00 | 330.00 |
|  |  |  |  |  |  |
| Sale (in Lacs) | 263.18 | 320.10 | 369.60 | 419.10 | 444.68 |
|  |  |  |  |  |  |
|  |  |  |  |  |  |
|  |  |  |  |  |  |

## COM PUTATION OF ELECTRICITY

| (A) POWER CONNECTION |  |  |  |
| :---: | :---: | :---: | :---: |
| Total Working Hour per day | Hours | 8 |  |
| Electric Load Required |  | 12 |  |
| Load Factor |  | 0.7460 |  |
| Electricity Charges | per unit | 7.00 |  |
| Total Working Days |  | 300 |  |
| Electricity Charges ( 8 H rs Per day ) |  |  | 1,50,393.60 |
|  |  |  |  |
| Add : Minimim Charges (@10\%) |  |  |  |
|  |  |  |  |
|  |  |  |  |
| (B) D.G. SET |  |  |  |
| No. of Working Days |  | 300 | days |
| No of Working Hours |  | - | Hour per day |
| Total no of Hour |  | - |  |
| Diesel Consumption per Hour |  | 8 |  |
| Total Consumption of Diesel |  | - |  |
| Cost of Diesel |  | 65.00 | Rs. / Ltr |
| Total cost of Diesel |  | - |  |
| Add : Lube Cost @15\% |  | - |  |
| Total |  | - |  |
|  |  |  |  |
| Total cost of Power \& Fuel at 100\% |  |  | 1.50 |
|  |  |  |  |
| Year | Capacity |  | Amount |
|  |  |  | (in Lacs) |
|  |  |  |  |
| IST YEAR | 55\% |  | 0.83 |
| IIND YEAR | 65\% |  | 0.98 |
| IIIRD YEAR | 75\% |  | 1.13 |
| IVTH YEAR | 85\% |  | 1.28 |
| VTH YEAR | 90\% |  | 1.35 |
|  |  |  |  |

COMPUTATION OF CLOSING STOCK \& WORKING CAPITAL

| PARTICU LARS | IST YEAR | IIND YEAR | IIIRD YEAR | IVTH YEAR | VTH YEAR |
| :---: | ---: | ---: | ---: | ---: | ---: |
|  |  |  |  |  |  |
|  |  |  |  |  |  |
| Finished G oods |  |  |  |  |  |
| (10 Days requirement) |  |  |  |  |  |
| Raw M aterial | 6.35 | 7.51 | 8.66 | 9.82 | 10.40 |
| (7 Days requirement) |  |  |  |  |  |
|  | 5.78 | 6.83 |  | 7.88 | 8.93 |
| Closing Stock |  |  |  |  | 9.45 |

COM PUTATION OF WORKING CAPITAL REQUIREMENT

| Particulars |  |  | Total |
| :--- | :--- | :--- | ---: |
|  |  |  | Amount |
| Stock in Hand |  |  | 12.13 |
|  |  |  | 2.63 |
| Sundry Debtors |  |  | 14.76 |
|  |  | Total | 8.25 |
| Sundry Creditors |  |  |  |
|  |  |  | $\mathbf{6 . 5 1}$ |
| Working Capital Requirement |  |  | 0.65 |
|  |  |  |  |
| Margin |  |  | $\mathbf{5 . 8 6}$ |
|  |  |  |  |
| Working Capital Finance |  |  |  |

BREAK UP OF LABOUR

| Particulars |  | Wages | No of | Total |
| :--- | :--- | ---: | ---: | ---: |
|  |  | Per Month | Employees | Salary |
|  |  |  |  |  |
| Skilled Worker |  | $8,000.00$ | 2 | $16,000.00$ |
| Unskilled Worker |  | $5,000.00$ | 6 | $30,000.00$ |
|  |  |  |  |  |
|  |  |  |  |  |
|  |  |  |  | $46,000.00$ |
| Add: 10\% Fringe Benefit |  |  |  | $4,600.00$ |
| Total Labour Cost Per Month |  |  | $50,600.00$ |  |
| Total Labour Cost for the year ( In Rs. Lakhs) |  |  |  | 6.07 |

BREAK UP OF SALARY

| Particulars | Salary | No of | Total |
| :---: | :---: | :---: | :---: |
|  | Per Month | Employees | Salary |
| Manager | 12,000.00 | 1 | 12,000.00 |
| Accountant | 8,000.00 | 1 | 8,000.00 |
|  |  |  |  |
| Total Salary Per Month |  |  | 20,000.00 |
|  |  |  |  |
| Add: 10\% Fringe Benefit |  |  | 2,000.00 |
| Total Salary for the month |  |  | 22,000.00 |
|  |  |  |  |
| Total Salary for the year ( In Rs. Lakhs) |  |  | 2.64 |

COM PUTATION OF DEPRECIATION

| Description | Land | Building/ shed | Plant \& | Furniture | TOTAL |
| :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  | Machinery |  |  |
| Rate of Depreciation |  | 10.00\% | 15.00\% | 10.00\% |  |
| Opening Balance | Leased | - | - | - | - |
| Addition | - | - | 18.00 | 0.49 | 18.49 |
|  | - | - | 18.00 | 0.49 | 18.49 |
| Less: Depreciation | - | - | 2.70 | 0.02 | 2.72 |
| WDV at end of Ist year | - | - | 15.30 | 0.47 | 15.77 |
| Additions During The Year | - | - | - | - | - |
|  | - | - | 15.30 | 0.47 | 15.77 |
| Less: Depreciation | - | - | 2.30 | 0.05 | 2.34 |
| WDV at end of IInd Year | - | - | 13.01 | 0.42 | 13.42 |
| Additions During The Year | - | - | - | - | - |
|  | - | - | 13.01 | 0.42 | 13.42 |
| Less: Depreciation | - | - | 1.95 | 0.04 | 1.99 |
| WDV at end of IIIrd year | - | - | 11.05 | 0.38 | 11.43 |
| Additions During The Year | - | - | - | - | - |
|  | - | - | 11.05 | 0.38 | 11.43 |
| Less: Depreciation | - | - | 1.66 | 0.04 | 1.70 |
| WDV at end of IV year | - | - | 9.40 | 0.34 | 9.74 |
| Additions During The Year | - | - | - | - | - |
|  | - | - | 9.40 | 0.34 | 9.74 |
| Less: Depreciation | - | - | 1.41 | 0.03 | 1.44 |
| WDV at end of Vth year | - | - | 7.99 | 0.31 | 8.29 |


| Year | Particulars | Amount | Addition | Total | Interest | Repayment | Cl Balance |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| IST YEAR | Opening Balance |  |  |  |  |  |  |
|  | Ist Quarter | - | 16.64 | 16.64 | - | - | 16.64 |
|  | lind Quarter | 16.64 | - | 16.64 | 0.48 | - | 16.64 |
|  | IIIrd Quarter | 16.64 | - | 16.64 | 0.48 | - | 16.64 |
|  | Ivth Quarter | 16.64 | - | 16.64 | 0.48 | - | 16.64 |
|  |  |  |  |  | 1.44 | - |  |
| IIND YEAR | Opening Balance |  |  |  |  |  |  |
|  | Ist Quarter | 16.64 | - | 16.64 | 0.48 | 1.04 | 15.60 |
|  | lind Quarter | 15.60 | - | 15.60 | 0.45 | 1.04 | 14.56 |
|  | IIIrd Quarter | 14.56 | - | 14.56 | 0.42 | 1.04 | 13.52 |
|  | Ivth Quarter | 13.52 |  | 13.52 | 0.39 | 1.04 | 12.48 |
|  |  |  |  |  | 1.73 | 4.16 |  |
| IIIRD YEAR | Opening Balance |  |  |  |  |  |  |
|  | Ist Quarter | 12.48 | - | 12.48 | 0.36 | 1.04 | 11.44 |
|  | lind Quarter | 11.44 | - | 11.44 | 0.33 | 1.04 | 10.40 |
|  | IIIrd Quarter | 10.40 | - | 10.40 | 0.30 | 1.04 | 9.36 |
|  | Ivth Quarter | 9.36 |  | 9.36 | 0.27 | 1.04 | 8.32 |
|  |  |  |  |  | 1.26 | 4.16 |  |
| IVTH YEAR | Opening Balance |  |  |  |  |  |  |
|  | Ist Quarter | 8.32 | - | 8.32 | 0.24 | 1.04 | 7.28 |
|  | lind Quarter | 7.28 | - | 7.28 | 0.21 | 1.04 | 6.24 |
|  | IIIrd Quarter | 6.24 | - | 6.24 | 0.18 | 1.04 | 5.20 |
|  | Ivth Quarter | 5.20 |  | 5.20 | 0.15 | 1.04 | 4.16 |
|  |  |  |  |  | 0.78 | 4.16 |  |
| Vth Year | Opening Balance |  |  |  |  |  |  |
|  | Ist Quarter | 4.16 | - | 4.16 | 0.12 | 1.04 | 3.12 |
|  | lind Quarter | 3.12 | - | 3.12 | 0.09 | 1.04 | 2.08 |
|  | IIIrd Quarter | 2.08 | - | 2.08 | 0.06 | 1.04 | 1.04 |
|  | Ivth Quarter | 1.04 |  | 1.04 | 0.03 | 1.04 | 0.00 |
|  |  |  |  |  | 0.30 | 4.16 |  |

CALCULATION OFD.S.C.R

| PARTICULARS | IST YEAR | IIND YEAR | IIIRD YEAR | IVTH YEAR | VTH YEAR |
| :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  |  |  |  |
|  |  |  |  |  |  |
|  |  |  |  |  |  |
| CASH ACCRUALS | 7.84 | 8.76 | 10.28 | 12.45 | 13.38 |
|  |  |  |  |  |  |
| Interest on Term Loan | 1.44 | 1.73 | 1.26 | 0.78 | 0.30 |
|  |  |  |  |  |  |
| Total | 9.27 | 10.49 | 11.54 | 13.23 | 13.68 |
|  |  |  |  |  |  |
| REPAYMENT |  |  |  |  |  |
| Instalment of Term Loan | 4.16 | 4.16 | 4.16 | 4.16 | 4.16 |
| Interest on Term Loan | 1.44 | 1.73 | 1.26 | 0.78 | 0.30 |
|  |  |  |  |  |  |
| Total | 5.60 | 5.89 | 5.42 | 4.94 | 4.46 |
|  |  |  |  |  |  |
| DEBT SERVICE COVERAGE RATIO | 1.66 | 1.78 | 2.13 | 2.68 | 3.07 |
|  |  |  |  |  |  |
| AVERAGE D.S.C.R. |  |  | 2.26 |  |  |

BREAK EVEN POINT ANALYSIS

| Year | I | II | III | IV | V |
| :---: | :---: | :---: | :---: | :---: | :---: |
| Net Sales \& Other Income | 263.18 | 320.10 | 369.60 | 419.10 | 444.68 |
| Less : Op. WIP Goods | - | 6.35 | 7.51 | 8.66 | 9.82 |
| Add : Cl. WIP Goods | 6.35 | 7.51 | 8.66 | 9.82 | 10.40 |
| Total Sales | 269.53 | 321.26 | 370.76 | 420.26 | 445.25 |
| Variable \& Semi Variable Exp. |  |  |  |  |  |
| Raw M aterial \& Tax | 247.50 | 292.50 | 337.50 | 382.50 | 405.00 |
| Electricity Exp/Coal Consumption at 85\% | 0.70 | 0.83 | 0.96 | 1.09 | 1.15 |
| M anufacturing Expenses 80\% | - | 2.56 | 2.96 | 3.35 | 3.56 |
| Wages \& Salary at 60\% | 5.23 | 5.75 | 6.32 | 6.96 | 7.65 |
| Selling \& adminstrative Expenses 80\% | 2.11 | 2.56 | 2.96 | 3.35 | 3.56 |
| Intt. On W orking Capital Loan | 0.59 | 0.59 | 0.59 | 0.59 | 0.59 |
| Total Variable \& Semi Variable Exp | 256.12 | 304.79 | 351.28 | 397.84 | 421.50 |
| Contribution | 13.41 | 16.47 | 19.47 | 22.42 | 23.75 |
| Fixed \& Semi Fixed Expenses |  |  |  |  |  |
| M anufacturing Expenses 20\% | 0.00 | 0.64 | 0.74 | 0.84 | 0.89 |
| Electricity Exp/Coal Consumption at 15\% | 0.12 | 0.15 | 0.17 | 0.19 | 0.20 |
| Wages \& Salary at 40\% | 3.48 | 3.83 | 4.22 | 4.64 | 5.10 |
| Interest on Term Loan | 1.44 | 1.73 | 1.26 | 0.78 | 0.30 |
| Depreciation | 2.72 | 2.34 | 1.99 | 1.70 | 1.44 |
| Selling \& adminstrative Expenses 20\% | 0.53 | 0.64 | 0.74 | 0.84 | 0.89 |
| Total Fixed Expenses | 8.30 | 9.34 | 9.11 | 8.98 | 8.83 |
| Capacity Utilization | 55\% | 65\% | 75\% | 85\% | 90\% |
| OPERATING PROFIT | 5.11 | 7.13 | 10.36 | 13.44 | 14.92 |
| BREAK EVEN POINT | 34\% | 37\% | 35\% | 34\% | 33\% |
| BREAK EVEN SALES | 166.77 | 182.14 | 173.51 | 168.32 | 165.48 |

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