

# UP MSME **1**-Connect

## PROJECT REPORT

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PROJECT: **ALOEVERA  
JUICE Unit**

# **PROJECT REPORT**

## **Of**

# **ALOEVERA JUICE**

## **PURPOSE OF THE DOCUMENT**

This particular pre-feasibility is regarding **Aloevera Juice**.

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.]

# PROJECT AT A GLANCE

- 1 Name of the Entrepreneur : xxxxxxxxx
- 2 Constitution (legal Status) : xxxxxxxxx
- 3 Father / Spouse Name : xxxxxxxxxxxxx
- 4 Unit Address : xxxxxxxxxxxxxxxxxxxxxxxxx
- District : xxxxxxxx

Pin: xxxxxxxx

Mobile : xxxxxxxx

State: xxxxxxxxx
- 5 Product and By Product : ALOEVERA JUICE
- 6 Name of the project / business activity proposed : ALOEVERA JUICE MAKING UNIT
- 7 Cost of Project : Rs.26.56 Lakhs
- 8 Means of Finance

Term Loan Rs.18.9 Lakhs

Own Capital Rs.2.66 Lakhs

Working capital Rs.5 Lakhs
- 9 Debt Service Coverage Ratio : 2.27
- 10 Pay Back Period : 5 Years
- 11 Project Implementation Period : 5-6 Months
- 12 Break Even Point : 36%
- 13 Employment : 8 Persons
- 14 Power Requirement : 40.00 HP
- 15 Major Raw materials : Aloe vera Leaves, Calcium hypochlorite, Preservatives, Packing material
- 16 Estimated Annual Sales Turnover (Max Capacity) : 124.41 Lakhs
- 17 Detailed Cost of Project & Means of Finance

## COST OF PROJECT

| (Rs. In Lakhs)       |            |
|----------------------|------------|
| Particulars          | Amount     |
| Land                 | Own/Rented |
| Plant & Machinery    | 19.40      |
| Furniture & Fixtures | 1.60       |
| Working Capital      | 5.56       |
| Total                | 26.56      |

## MEANS OF FINANCE

| Particulars              | Amount |
|--------------------------|--------|
| Own Contribution         | 2.66   |
| Working Capital(Finance) | 5.00   |
| Term Loan                | 18.90  |
| Total                    | 26.56  |

## **ALOEVERA JUICE**

**Introduction:** Aloe Vera, sometimes described as a “wonder plant,” is a short-stemmed shrub. The aloe vera plant is a succulent plant species from the genus Aloe. It grows abundantly in tropical climates and has been used for centuries as a medicinal plant. Aloe Vera juice is an excellent way to keep your liver healthy. That's because the liver functions best when the body is adequately nourished and hydrated. Aloe vera juice is ideal for the liver because it's hydrating and rich in phytonutrients. Aloe Vera contains two hormones: Auxin and Gibberellins. These two hormones provide wound healing and anti-inflammatory properties that reduce skin inflammation. Aloe is soothing and can reduce skin inflammations, blistering and itchiness while helping the skin to heal more rapidly.



**Uses & Market Potential:** India aloe vera market stood at \$ 23.72 million in 2017 and is projected to grow at a CAGR of over 10.02%, in value

terms, during 2019-2024, to reach \$ 38.68 million by 2024. Rising number of health-conscious consumers, rapidly growing middle class with increasing disposable income, elevating hygiene standards and expanding working population due to which the consumers are compelled to make a steady shift to natural products, are aiding India aloe vera juice market. Moreover, increasing disposable income along with changing lifestyle and awareness regarding the consumption of a balanced and healthy diet to reduce life style diseases are some of the other factors expected to propel demand for aloe vera juice over the next five years.

**Raw material:** Major raw materials are as follows:

1. Aloe vera Leaves
2. Calcium Hypochlorite
3. Preservatives in permitted quantities
4. Packing materials

**Machine Requirements:** Major machines & equipments are as follows:

| S No. | Machine  | Unit | Price          |
|-------|--|------|----------------|
| 1     | Aloe Vera leaves washing unit                                | 1    | 250000         |
| 2     | Ultrasound sterilizer  | 1    | 250000         |
| 3     | Aloe Leaf pulp removing machine<br>(Capacity 125 kg per hr.) | 1    | 300000         |
| 4     | Juicer (Capacity 125 kg pulp per hr.)                        | 1    | 40000          |
| 5     | Mixing Tank (Capacity 500 ltr.)                              | 1    | 175000         |
| 6     | Homogenizer  | 1    | 150000         |
| 7     | Filter   | 1    | 150000         |
| 8     | Bottle filling machine                                       | 1    | 160000         |
| 9     | Conveyor   | 1    | 150000         |
| 10    | Storage Tank (Capacity 500 ltr.)                             | 2    | 200000         |
| 11    | Table for cutting leaves                                     | 1    | 100000         |
| 12    | Other equipments & hand tools                                | Ls   | 15000          |
|       | <b>Total Amount</b>  |      | <b>1940000</b> |

**Manufacturing Process:** The fresh harvested aloe Vera leaves are procured from the local farmer. The timing of the process is important part as leaves show losses of biological activity;beginning at six hours following harvest when the leaves are stored at ambient temperature. In the first step, the leaves are fed into washing unit to remove dirt, farm yard waste, and in content from the leaves. This is a 4 stage washing process.

At first stage, water is filled inside steel tanks from pump and leaves are allowed to soak the water for 90 minutes. Along with the soaking in water dirt is removed by brush from the surface of leaves manually by hand or brush. In second stage, the leaves are fed into wash tank filled with mineral water. The mineral water used for cleaning is UV filtered and ozone treated. Calcium hypochlorite is also added in the water of about 0.1 % w/v for disinfection. All the leaves were carefully observed and any infected or damaged leaves were immediately discarded at this stage.

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After this, the sides of the leaves are cut by ½ inch manually using knives. In the next step, Aloe vera leaves are fed into Aloe Vera leaf extractor to remove the upper and lower layer of the leaves to produce fresh gel. After this, the fresh gel is fed into juicer to that grinds the gel to produce juice. The juice obtained is fed into storage tanks through pumps.

In the next step, the juice is heated to 50 -70 °C temperature and pectolytic enzyme is added into the juice in an amount of 0.06 % w/v. Second class preservatives are also added at this stage. Heating is done for 20 – 25 minutes. After this, the Aloe Vera juice is stored in tank for 12 hours to reduce the viscosity of the juice. After this, juice is filtered to remove foreign materials. In the next step, juice bottles are washed using heated mineral water and dried properly. The juice is filled inside the bottle using juice filling machine in desired quantity. After this, the bottles are packed and dispatched as per required quantity.

**Area:** The industrial setup requires space for Inventory, workshop or manufacturing area, space for power supply utilities and auxiliary like Generator setup. Also some of the area of building is required for office staff facilities, documentation, office furniture, etc. Thus, the approximate total area required for complete industrial setup is 1500 to 2000Sqft.

**Power Requirement:** The power consumption required to run all the machinery could be approximated as 40 Hp

**Manpower Requirement:** There are requirement of skilled machine operators to run the machine set. Experience quality engineers are required for desired quality control. Some helpers are also required to transfer the material from one work station to other. Office staffs are required to maintain the documentation. The approximate manpower required is 8 including 1 Supervisor, 1 Plant operator, 1 unskilled worker, 1 Helper and 1 Security guard. 3 Skilled worker including Accountant, Manager and Sales person.

**Bank Term Loan:** Rate of Interest is assumed to be at 11%

**Depreciation:** Depreciation has been calculated as per the Provisions of Income Tax Act, 1961

**Approvals & Registration Requirement:**

Basic registration required in this project:

- GST Registration
- Udyog Aadhar Registration (Optional)

- Choice of a Brand Name of the product and secure the name with Trademark if require.
- NOC from State Pollution Control Board
- FSSAI Licence

### **Implementation Schedule:**

| S No. | Activity   | Time required |
|-------|--|---------------|
| 1.    | Acquisition of premises                                      | 1-2 Months    |
| 2.    | Procurement & installation of Plant & Machinery              | 1-2 Months    |
| 3.    | Arrangement of Finance                                       | 1.5-2 Months  |
| 4.    | Requirement of required Manpower                             | 1 Month       |
| 5.    | Commercial Trial Runs  | 1 Month       |
|       | Total time Required (some activities shall run concurrently) | 5-6 Months    |

## **FINANCIALS**

| <b>PROJECTED BALANCE SHEET</b>    |              |              |              |              |              |
|-----------------------------------|--------------|--------------|--------------|--------------|--------------|
| PARTICULARS                       | I            | II           | III          | IV           | V            |
|                                   |              |              |              |              |              |
|                                   |              |              |              |              |              |
| <b><u>SOURCES OF FUND</u></b>     |              |              |              |              |              |
| <b><u>Capital Account</u></b>     |              |              |              |              |              |
| Opening Balance                   | -            | 4.69         | 7.34         | 11.10        | 15.39        |
| Add: Additions                    | 2.66         | -            | -            | -            | -            |
| Add: Net Profit                   | 3.03         | 4.15         | 7.76         | 10.29        | 13.88        |
| Less: Drawings                    | 1.00         | 1.50         | 4.00         | 6.00         | 9.00         |
| <b>Closing Balance</b>            | <b>4.69</b>  | <b>7.34</b>  | <b>11.10</b> | <b>15.39</b> | <b>20.26</b> |
| CC Limit                          | 5.00         | 5.00         | 5.00         | 5.00         | 5.00         |
| Term Loan                         | 16.80        | 12.60        | 8.40         | 4.20         | 0.00         |
| Sundry Creditors                  | 1.32         | 1.50         | 1.61         | 1.73         | 1.84         |
|                                   |              |              |              |              |              |
| <b>TOTAL :</b>                    | <b>27.80</b> | <b>26.44</b> | <b>26.11</b> | <b>26.31</b> | <b>27.11</b> |
|                                   |              |              |              |              |              |
|                                   |              |              |              |              |              |
|                                   |              |              |              |              |              |
| <b><u>APPLICATION OF FUND</u></b> |              |              |              |              |              |
|                                   |              |              |              |              |              |
| <b>Fixed Assets ( Gross)</b>      | <b>21.00</b> | <b>21.00</b> | <b>21.00</b> | <b>21.00</b> | <b>21.00</b> |
| Gross Dep.                        | 3.07         | 5.69         | 7.92         | 9.82         | 11.45        |
| Net Fixed Assets                  | 17.93        | 15.31        | 13.08        | 11.18        | 9.55         |
|                                   |              |              |              |              |              |
| <b>Current Assets</b>             |              |              |              |              |              |
| Sundry Debtors                    | 1.76         | 2.08         | 2.34         | 2.62         | 2.90         |
| Stock in Hand                     | 6.19         | 7.02         | 7.74         | 8.48         | 9.25         |
| Cash and Bank                     | 1.93         | 2.02         | 2.95         | 4.04         | 5.40         |
|                                   |              |              |              |              |              |
| <b>TOTAL :</b>                    | <b>27.80</b> | <b>26.44</b> | <b>26.11</b> | <b>26.31</b> | <b>27.11</b> |

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| <b>PROJECTED PROFITABILITY STATEMENT</b> |               |               |               |               |               |
|--|---------------|---------------|---------------|---------------|---------------|
| PARTICULARS                              | I             | II            | III           | IV            | V             |
| <b><u>A) SALES</u></b>                   |               |               |               |               |               |
| Gross Sale                               | 75.24         | 89.36         | 100.44        | 112.13        | 124.41        |
| <b>Total (A)</b>                         | <b>75.24</b>  | <b>89.36</b>  | <b>100.44</b> | <b>112.13</b> | <b>124.41</b> |
| <b><u>B) COST OF SALES</u></b>           |               |               |               |               |               |
| Raw Material Consumed                    | 56.41         | 64.17         | 69.10         | 74.04         | 78.98         |
| Electricity Expenses                     | 3.55          | 3.84          | 4.14          | 4.43          | 4.73          |
| Repair & Maintenance                     | 0.75          | 1.79          | 2.01          | 3.36          | 3.73          |
| Labour & Wages                           | 4.79          | 4.84          | 5.27          | 5.80          | 6.38          |
| Depreciation                             | 3.07          | 2.62          | 2.23          | 1.90          | 1.62          |
| <b>Cost of Production</b>                | <b>68.57</b>  | <b>77.25</b>  | <b>82.75</b>  | <b>89.54</b>  | <b>95.44</b>  |
| <b>Add: Opening Stock /WIP</b>           | <b>-</b>      | <b>3.37</b>   | <b>3.81</b>   | <b>4.28</b>   | <b>4.78</b>   |
| <b>Less: Closing Stock /WIP</b>          | <b>3.37</b>   | <b>3.81</b>   | <b>4.28</b>   | <b>4.78</b>   | <b>5.30</b>   |
| <b>Cost of Sales (B)</b>                 | <b>65.20</b>  | <b>76.80</b>  | <b>82.28</b>  | <b>89.04</b>  | <b>94.92</b>  |
| <b>C) GROSS PROFIT (A-B)</b>             | <b>10.04</b>  | <b>12.55</b>  | <b>18.16</b>  | <b>23.08</b>  | <b>29.49</b>  |
|  | <b>13.34%</b> | <b>14.05%</b> | <b>18.08%</b> | <b>20.59%</b> | <b>23.71%</b> |
| D) Bank Interest (Term Loan )            | 2.05          | 1.67          | 1.21          | 0.75          | 0.29          |
| ii) Interest On Working Capital          | 0.55          | 0.55          | 0.55          | 0.55          | 0.55          |
| E) Salary to Staff                       | 3.65          | 4.38          | 5.26          | 6.31          | 7.58          |
| F) Selling & Adm Expenses Exp.           | 0.75          | 1.79          | 2.01          | 3.36          | 3.73          |
| <b>TOTAL (D+E)</b>                       | <b>7.01</b>   | <b>8.40</b>   | <b>9.03</b>   | <b>10.98</b>  | <b>12.15</b>  |
| <b>H) NET PROFIT</b>                     | <b>3.03</b>   | <b>4.15</b>   | <b>9.13</b>   | <b>12.11</b>  | <b>17.35</b>  |
|  | <b>4.0%</b>   | <b>4.6%</b>   | <b>9.1%</b>   | <b>10.8%</b>  | <b>13.9%</b>  |
| I) Taxation                              | -             | -             | 1.37          | 1.82          | 3.47          |
| <b>J) PROFIT (After Tax)</b>             | <b>3.03</b>   | <b>4.15</b>   | <b>7.76</b>   | <b>10.29</b>  | <b>13.88</b>  |

| <b>PROJECTED CASH FLOW STATEMENT</b> |              |             |              |              |              |
|--------------------------------------|--------------|-------------|--------------|--------------|--------------|
| PARTICULARS                          | I            | II          | III          | IV           | V            |
|                                      |              |             |              |              |              |
|                                      |              |             |              |              |              |
| <b>SOURCES OF FUND</b>               |              |             |              |              |              |
|                                      |              |             |              |              |              |
| Own Contribution                     | 2.66         | -           |              |              |              |
| Reserve & Surplus                    | 3.03         | 4.15        | 9.13         | 12.11        | 17.35        |
| Depreciation & Exp. W/off            | 3.07         | 2.62        | 2.23         | 1.90         | 1.62         |
| Increase In Cash Credit              | 5.00         |             |              |              |              |
| Increase In Term Loan                | 18.90        | -           | -            | -            | -            |
|                                      |              |             |              |              |              |
| Increase in Creditors                | 1.32         | 0.18        | 0.12         | 0.12         | 0.12         |
|                                      |              |             |              |              |              |
| <b>TOTAL :</b>                       | <b>33.97</b> | <b>6.95</b> | <b>11.47</b> | <b>14.12</b> | <b>19.09</b> |
|                                      |              |             |              |              |              |
|                                      |              |             |              |              |              |
| <b>APPLICATION OF FUND</b>           |              |             |              |              |              |
|                                      |              |             |              |              |              |
| Increase in Fixed Assets             | 21.00        | -           | -            | -            | -            |
| Increase in Stock                    | 6.19         | 0.83        | 0.72         | 0.74         | 0.77         |
| Increase in Debtors                  | 1.76         | 0.33        | 0.26         | 0.27         | 0.29         |
| Repayment of Term Loan               | 2.10         | 4.20        | 4.20         | 4.20         | 4.20         |
| Taxation                             | -            | -           | 1.37         | 1.82         | 3.47         |
| Drawings                             | 1.00         | 1.50        | 4.00         | 6.00         | 9.00         |
|                                      |              |             |              |              |              |
| <b>TOTAL :</b>                       | <b>32.04</b> | <b>6.86</b> | <b>10.55</b> | <b>13.03</b> | <b>17.73</b> |
|                                      |              |             |              |              |              |
| Opening Cash & Bank Balance          | -            | 1.93        | 2.02         | 2.95         | 4.04         |
|                                      |              |             |              |              |              |
| Add : Surplus                        | 1.93         | 0.09        | 0.93         | 1.09         | 1.36         |
|                                      |              |             |              |              |              |
| Closing Cash & Bank Balance          | 1.93         | 2.02        | 2.95         | 4.04         | 5.40         |

| <b>COMPUTATION OF MAKING OF ALOEVERA JUICE</b> |  |             |                   |
|--|--|-------------|-------------------|
|  |  |             |                   |
| <b>Item to be Manufactured Aloe vera Juice</b> |  |             |                   |
| Manufacturing Capacity per day                 |  | 400         | Ltr               |
|  |  |             |                   |
| No. of Working Hour                            |  | 8           |                   |
|  |  |             |                   |
| No of Working Days per month                   |  | 25          |                   |
|  |  |             |                   |
| No. of Working Day per annum                   |  | 300         |                   |
|  |  |             |                   |
| Total Production per Annum                     |  | 1,20,000    | Ltr               |
| Total Production per Annum                     |  | 1,20,000    | Ltr               |
| Year   |  | Capacity    | ALOEVERA<br>JUICE |
|  |  | Utilisation |                   |
|  |  |             |                   |
| I  |  | 60%         | 72,000.00         |
| II   |  | 65%         | 78,000.00         |
| III  |  | 70%         | 84,000.00         |
| IV   |  | 75%         | 90,000.00         |
| V  |  | 80%         | 96,000.00         |
|  |  |             |                   |

**COMPUTATION OF RAW MATERIAL**

| Item Name                            |  | Quantity of Raw Material | Unit  | Unit Rate of | Total Cost Per Annum (100%) |
|--------------------------------------|--|--------------------------|-------|--------------|-----------------------------|
| Aloe vera Leaves                     |  | 350.00                   | Tonne | 20,000.00    | 70,00,000.00                |
| Calcium Hypochlorite                 |  | 1,800.00                 | Kg    | 140.00       | 2,52,000.00                 |
| Packing material( Bottles of 500 ml) |  | 2,00,000.00              | Pcs   | 10.00        | 20,00,000.00                |
| Preservatives                        |  | Lumsum                   |       |              | 1,50,000.00                 |
|                                      |  |                          |       |              |                             |
| Total                                |  |                          |       |              | <b>94,02,000.00</b>         |
|                                      |  |                          |       |              |                             |
| Total Raw material in Rs lacs        |  |                          |       |              | 94.02                       |

| Raw Material Consumed | Capacity    |  | Amount (Rs.) |                     |  |
|-----------------------|-------------|--|--------------|---------------------|--|
|                       | Utilisation |  |              |                     |  |
|                       |             |  |              |                     |  |
| I                     | 60%         |  | 56.41        |                     |  |
| II                    | 65%         |  | 64.17        | 5% Increase in Cost |  |
| III                   | 70%         |  | 69.10        | 5% Increase in Cost |  |
| IV                    | 75%         |  | 74.04        | 5% Increase in Cost |  |
| V                     | 80%         |  | 78.98        | 5% Increase in Cost |  |
|                       |             |  |              |                     |  |

|                                   |              |              |               |               |               |
|-----------------------------------|--------------|--------------|---------------|---------------|---------------|
|                                   |              |              |               |               |               |
| <b><u>COMPUTATION OF SALE</u></b> |              |              |               |               |               |
| Particulars                       | <b>I</b>     | <b>II</b>    | <b>III</b>    | <b>IV</b>     | <b>V</b>      |
|                                   |              |              |               |               |               |
|                                   |              |              |               |               |               |
| Op Stock                          | -            | 3,600.00     | 3,900.00      | 4,200.00      | 4,500.00      |
|                                   |              |              |               |               |               |
| Production                        | 72,000.00    | 78,000.00    | 84,000.00     | 90,000.00     | 96,000.00     |
|                                   |              |              |               |               |               |
|                                   | 72,000.00    | 81,600.00    | 87,900.00     | 94,200.00     | 1,00,500.00   |
| Less : Closing Stock(15 Days)     | 3,600.00     | 3,900.00     | 4,200.00      | 4,500.00      | 4,800.00      |
|                                   |              |              |               |               |               |
| Net Sale                          | 68,400.00    | 77,700.00    | 83,700.00     | 89,700.00     | 95,700.00     |
|                                   |              |              |               |               |               |
| Sale Price per Bottle             | 110.00       | 115.00       | 120.00        | 125.00        | 130.00        |
|                                   |              |              |               |               |               |
| <b>Sale (in Lacs)</b>             | <b>75.24</b> | <b>89.36</b> | <b>100.44</b> | <b>112.13</b> | <b>124.41</b> |
|                                   |              |              |               |               |               |

| COMPUTATION OF CLOSING STOCK & WORKING CAPITAL |             |             |             |             |             |
|--|-------------|-------------|-------------|-------------|-------------|
| PARTICULARS                                    | I           | II          | III         | IV          | V           |
|  |             |             |             |             |             |
| <u>Finished Goods</u>                          |             |             |             |             |             |
| (7 Days requirement)                           | 3.37        | 3.81        | 4.28        | 4.78        | 5.30        |
| <u>Raw Material</u>                            |             |             |             |             |             |
| (15 Days requirement)                          | 2.82        | 3.21        | 3.46        | 3.70        | 3.95        |
|  |             |             |             |             |             |
| <b>Closing Stock</b>                           | <b>6.19</b> | <b>7.02</b> | <b>7.74</b> | <b>8.48</b> | <b>9.25</b> |

| COMPUTATION OF WORKING CAPITAL REQUIREMENT |             |             |               |
|--|-------------|-------------|---------------|
|  |             |             |               |
| Particulars                                | Amount      | Margin(10%) | Net<br>Amount |
| Stock in Hand                              | 6.19        |             |               |
| Less:                                      |             |             |               |
| Sundry Creditors                           | 1.32        |             |               |
| <b>Paid Stock</b>                          | <b>4.87</b> | <b>0.49</b> | <b>4.38</b>   |
|  |             |             |               |
| Sundry Debtors                             | 1.76        | 0.18        | 1.58          |
| <b>Working Capital Requirement</b>         |             |             | <b>5.96</b>   |
|  |             |             |               |
| <b>Margin</b>                              |             |             | 0.66          |
|  |             |             |               |
| <b>MPBF</b>                                |             |             | <b>5.96</b>   |
| <b>Working Capital Demand</b>              |             |             | <b>5.00</b>   |

| <b><u>BREAK UP OF LABOUR</u></b>               |  |           |           |           |
|--|--|-----------|-----------|-----------|
|  |  |           |           |           |
| Particulars                                    |  | Wages     | No of     | Total     |
|  |  | Per Month | Employees | Salary    |
| Supervisor                                     |  | 12,000.00 | 1         | 12,000.00 |
| Plant Operator                                 |  | 10,000.00 | 1         | 10,000.00 |
| Unskilled Worker                               |  | 6,000.00  | 1         | 6,000.00  |
| Helper   |  | 4,000.00  | 1         | 4,000.00  |
| Security Guard                                 |  | 6,000.00  | 1         | 6,000.00  |
|  |  |           |           |           |
|  |  |           |           | 38,000.00 |
| Add: 5% Fringe Benefit                         |  |           |           | 1,900.00  |
|  |  |           |           |           |
| Total Labour Cost Per Month                    |  |           |           | 39,900.00 |
| Total Labour Cost for the year ( In Rs. Lakhs) |  |           | 5         | 4.79      |

| <b><u>BREAK UP OF SALARY</u></b>          |  |           |           |           |
|---|--|-----------|-----------|-----------|
|   |  |           |           |           |
| Particulars                               |  | Salary    | No of     | Total     |
|   |  | Per Month | Employees | Salary    |
| Manager                                   |  | 1,000.00  | 1         | 12,000.00 |
| Accountant cum store keeper               |  | 9,000.00  | 1         | 9,000.00  |
| Sales                                     |  | 8,000.00  | 1         | 8,000.00  |
| Total Salary Per Month                    |  |           |           | 29,000.00 |
|   |  |           |           |           |
| Add: 5% Fringe Benefit                    |  |           |           | 1,450.00  |
| Total Salary for the month                |  |           |           | 30,450.00 |
|   |  |           |           |           |
| Total Salary for the year ( In Rs. Lakhs) |  |           | 3         | 3.65      |

| <b>COMPUTATION OF DEPRECIATION</b> |        |                   |           |       |
|------------------------------------|--------|-------------------|-----------|-------|
| Description                        | Land   | Plant & Machinery | Furniture | TOTAL |
|                                    |        |                   |           |       |
|                                    |        |                   |           |       |
| Rate of Depreciation               |        | 15.00%            | 10.00%    |       |
| Opening Balance                    | Leased | -                 | -         | -     |
| Addition                           | -      | 19.40             | 1.60      | 21.00 |
|                                    | -      | 19.40             | 1.60      | 21.00 |
|                                    |        | -                 | -         |       |
| TOTAL                              |        | 19.40             | 1.60      | 21.00 |
| Less : Depreciation                | -      | 2.91              | 0.16      | 3.07  |
| WDV at end of 1st year             | -      | 16.49             | 1.44      | 17.93 |
| Additions During The Year          | -      | -                 | -         | -     |
|                                    | -      | 16.49             | 1.44      | 17.93 |
| Less : Depreciation                | -      | 2.47              | 0.14      | 2.62  |
| WDV at end of IInd Year            | -      | 14.02             | 1.30      | 15.31 |
| Additions During The Year          | -      | -                 | -         | -     |
|                                    | -      | 14.02             | 1.30      | 15.31 |
| Less : Depreciation                | -      | 2.10              | 0.13      | 2.23  |
| WDV at end of IIIrd year           | -      | 11.91             | 1.17      | 13.08 |
| Additions During The Year          | -      | -                 | -         | -     |
|                                    | -      | 11.91             | 1.17      | 13.08 |
| Less : Depreciation                | -      | 1.79              | 0.12      | 1.90  |
| WDV at end of IV year              | -      | 10.13             | 1.05      | 11.18 |
| Additions During The Year          | -      | -                 | -         | -     |
|                                    | -      | 10.13             | 1.05      | 11.18 |
| Less : Depreciation                | -      | 1.52              | 0.10      | 1.62  |
| WDV at end of Vth year             | -      | 8.61              | 0.94      | 9.55  |

| REPAYMENT SCHEDULE OF TERM LOAN |                 |        |          |       |          | 11.0%     |            |
|---------------------------------|-----------------|--------|----------|-------|----------|-----------|------------|
| Year                            | Particulars     | Amount | Addition | Total | Interest | Repayment | CI Balance |
| I                               | Opening Balance |        |          |       |          |           |            |
|                                 | Ist Quarter     | -      | 18.90    | 18.90 | 0.52     | -         | 18.90      |
|                                 | IInd Quarter    | 18.90  | -        | 18.90 | 0.52     | -         | 18.90      |
|                                 | IIIRD Quarter   | 18.90  | -        | 18.90 | 0.52     | 1.05      | 17.85      |
|                                 | Ivth Quarter    | 17.85  | -        | 17.85 | 0.49     | 1.05      | 16.80      |
|                                 |                 |        |          |       | 2.05     | 2.10      |            |
| II                              | Opening Balance |        |          |       |          |           |            |
|                                 | Ist Quarter     | 16.80  | -        | 16.80 | 0.46     | 1.05      | 15.75      |
|                                 | IInd Quarter    | 15.75  | -        | 15.75 | 0.43     | 1.05      | 14.70      |
|                                 | IIIRD Quarter   | 14.70  | -        | 14.70 | 0.40     | 1.05      | 13.65      |
|                                 | Ivth Quarter    | 13.65  |          | 13.65 | 0.38     | 1.05      | 12.60      |
|                                 |                 |        |          |       | 1.67     | 4.20      |            |
| III                             | Opening Balance |        |          |       |          |           |            |
|                                 | Ist Quarter     | 12.60  | -        | 12.60 | 0.35     | 1.05      | 11.55      |
|                                 | IInd Quarter    | 11.55  | -        | 11.55 | 0.32     | 1.05      | 10.50      |
|                                 | IIIRD Quarter   | 10.50  | -        | 10.50 | 0.29     | 1.05      | 9.45       |
|                                 | Ivth Quarter    | 9.45   |          | 9.45  | 0.26     | 1.05      | 8.40       |
|                                 |                 |        |          |       | 1.21     | 4.20      |            |
| IV                              | Opening Balance |        |          |       |          |           |            |
|                                 | Ist Quarter     | 8.40   | -        | 8.40  | 0.23     | 1.05      | 7.35       |
|                                 | IInd Quarter    | 7.35   | -        | 7.35  | 0.20     | 1.05      | 6.30       |
|                                 | IIIRD Quarter   | 6.30   | -        | 6.30  | 0.17     | 1.05      | 5.25       |
|                                 | Ivth Quarter    | 5.25   |          | 5.25  | 0.14     | 1.05      | 4.20       |
|                                 |                 |        |          |       | 0.75     | 4.20      |            |
| V                               | Opening Balance |        |          |       |          |           |            |
|                                 | Ist Quarter     | 4.20   | -        | 4.20  | 0.12     | 1.05      | 3.15       |
|                                 | IInd Quarter    | 3.15   | -        | 3.15  | 0.09     | 1.05      | 2.10       |
|                                 | IIIRD Quarter   | 2.10   | -        | 2.10  | 0.06     | 1.05      | 1.05       |
|                                 | Ivth Quarter    | 1.05   |          | 1.05  | 0.03     | 1.05      | -          |
|                                 |                 |        |          |       | 0.29     | 4.20      |            |

|                     |           |
|---------------------|-----------|
| 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     |
|-----------------------------|------|------|-------|-------|-------|
|                             |      |      |       |       |       |
|                             |      |      |       |       |       |
|                             |      |      |       |       |       |
| <b><u>CASH ACCRUALS</u></b> | 6.10 | 6.77 | 9.99  | 12.19 | 15.50 |
|                             |      |      |       |       |       |
| Interest on Term Loan       | 2.05 | 1.67 | 1.21  | 0.75  | 0.29  |
|                             |      |      |       |       |       |
| Total                       | 8.15 | 8.45 | 11.20 | 12.94 | 15.79 |
|                             |      |      |       |       |       |
| <b><u>REPAYMENT</u></b>     |      |      |       |       |       |
|                             |      |      |       |       |       |
| Repayment of Term Loan      | 2.10 | 4.20 | 4.20  | 4.20  | 4.20  |
| Interest on Term Loan       | 2.05 | 1.67 | 1.21  | 0.75  | 0.29  |
|                             |      |      |       |       |       |
| Total                       | 4.15 | 5.87 | 5.41  | 4.95  | 4.49  |
|                             |      |      |       |       |       |
| DEBT SERVICE COVERAGE RATIO | 1.96 | 1.44 | 2.07  | 2.61  | 3.52  |
|                             |      |      |       |       |       |
| AVERAGE D.S.C.R.            |      |      | 2.27  |       |       |

|  |  |                 |             |                  |
|--|--|-----------------|-------------|------------------|
| <b><u>COMPUTATION OF ELECTRICITY</u></b> |  |                 |             |                  |
| <b><u>(A) POWER CONNECTION</u></b>       |  |                 |             |                  |
|  |  |                 |             |                  |
| Total Working Hour per day               |  | Hours           | 8           |                  |
| Electric Load Required                   |  | HP              | 40          |                  |
| Load Factor                              |  |                 | 0.7460      |                  |
| Electricity Charges                      |  | per unit        | 7.50        |                  |
| Total Working Days                       |  |                 | 300         |                  |
| <b>Electricity Charges</b>               |  |                 |             | 5,37,120.00      |
|  |  |                 |             |                  |
| Add : Minimim Charges (@ 10%)            |  |                 |             |                  |
|  |  |                 |             |                  |
|  |  |                 |             |                  |
| <b><u>(B) DG set</u></b>                 |  |                 |             |                  |
| No. of Working Days                      |  |                 | 300         | days             |
| No of Working Hours                      |  |                 | 0.3         | Hour per day     |
| Total no of Hour                         |  |                 | 90          |                  |
| Diesel Consumption per Hour              |  |                 | 8           |                  |
| Total Consumption of Diesel              |  |                 | 720         |                  |
| Cost of Diesel                           |  |                 | 65.00       | Rs. /Ltr         |
| Total cost of Diesel                     |  |                 | 0.47        |                  |
| Add : Lube Cost @15%                     |  |                 | 0.07        |                  |
| Total                                    |  |                 | <b>0.54</b> |                  |
|  |  |                 |             |                  |
| Total cost of Power & Fuel at 100%       |  |                 |             | 5.91             |
|  |  |                 |             |                  |
| <b>Year</b>                              |  | <b>Capacity</b> |             | <b>Amount</b>    |
|  |  |                 |             | <b>(in Lacs)</b> |
|  |  |                 |             |                  |
| I  |  | 60%             |             | 3.55             |
| II                                       |  | 65%             |             | 3.84             |
| III                                      |  | 70%             |             | 4.14             |
| IV                                       |  | 75%             |             | 4.43             |
| V  |  | 80%             |             | 4.73             |

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