



# MODEL PROJECT REPORT



## PROJECT REPORT ON CAPSICUM PROCESSING

**SWAVALAMBI BHARAT ABHIYAN**

## **CAPSICUM (SWEET PEPPER / BELL PEPPER) PROCESSING**



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### **INTRODUCTION**

Capsicum, also known as sweet pepper, bell pepper or Shimla Mirch is one of the popular vegetables grown throughout India. It is rich in Vitamin A (8493 IU), Vitamin C (283 mg) and minerals like Calcium (13.4 mg), Magnesium (14.9 mg) Phosphorus (28.3 mg) Potassium, (263.7 mg) per 100 g fresh weight.

Capsicum is a cool season crop, but it can be grown round the year using protected structures where temperature and relative humidity (RH) can be manipulated. This crop requires day temperature of 25-30°C and night temperature of 18-20°C with relative humidity of 50-60%. If temperature exceeds 35°C or falls below 12°C, fruit setting is affected.

King Chilli (Capsicum) is traditionally cultivated in Nagaland, Assam, Manipur and other North Eastern states of India. The chilli is called by different names in different states. In Nagaland, it is called as Naga jolokia, Naga Morish, Raja Mirchi, King Chilli. In Assam, it is mostly known as Bhutjolokia / Ghost Chilli or Bihjolokia. In Manipur the Chilli is called Umorok or Go-morok. The Bhutjolokia plant is a wonderful gift of nature as its fruit is one of the hottest chilli in the world and at the same time it possesses a pleasant and palatable aroma. Besides, King chilli possess medicinal properties which are used in the treatment of various diseases. In the recent years this king chilli is gaining importance because it has been reported as one of the hottest chilli in the world. After harvesting the chillies are to be processed immediately to avoid fungal growth. Unlike other chillies, the Bhut jolokia has a moisture level of above 85% with a very soft texture which ultimately reduces significantly the shelf life. Therefore, value added item like king chilli pickle has good prospect.

This project profile is for setting up of a King Chilli processing unit based on 300 working days per annum and 8 working hours per day. The installed production capacity of the unit per annum is as follows;

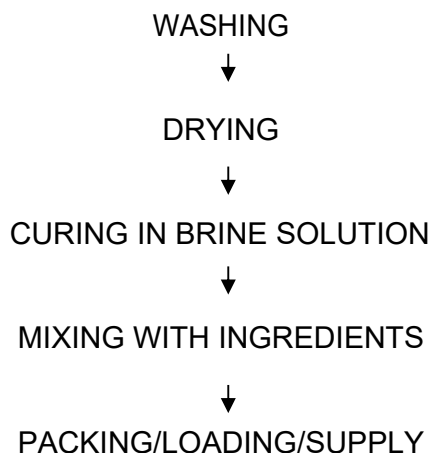
|                           |   |               |
|---------------------------|---|---------------|
| <b>King Chilli Pickle</b> | - | <b>10 Ton</b> |
| <b>Dried King Chilli</b>  | - | <b>5 Ton</b>  |

## MARKET POTENTIAL

Pickles are important part of the Indian cuisine and are consumed along with main course as well as many food preparations and snacks. They are used as taste enrichers. King Chilly pickles are popular and are consumed round the year in North East region. The Naga King Chilli is widely cultivated in north-eastern states of India predominantly in Nagaland, Assam and Manipur. There is no doubt that the Naga King Chilli, being one of the hottest chilli in the world, has enormous potential for commercialization. Even though commercialization of this particular crop has been started, it is still at a nascent stage.

## TECHNOLOGY & PROCESS DETAILS

**King Chilli Pickle:** King Chillies are washed in water and would be dried in solar cabinets under the sun-light. After cutting the top and bottom portion, they are cured in brine solution for 2½ to 3 days. After that, oil, turmeric powder and other suitable ingredients (depending upon local palate) are added and mixed thoroughly and then pickle is packed in bottles and plastic pouches. The flow diagram of the process is as follows:



**Dried King Chilli:** King Chillies will be dried in Solar Cabinet Dryer. Dried Chilli's may be sold in Packets of various sizes.

# PROJECT AT A GLANCE

- 1 Name of the Entrepreneur XXXXXXXX
- 2 Constitution (legal Status) XXXXXXXX
- 3 Father's/Spouce's Name XXXXXXXX
- 4 Unit Address XXXXXXXX
 

Taluk/Block: XXXXX  
 District : XXXXX  
 Pin: XXXXX  
 E-Mail : XXXXX  
 Mobile XXXXX
- 5 Product and By Product : Capsicum processing (King's Chilli/Bell Pepper)
- 6 Name of the project / business activity proposed Capsicum processing (King's Chilli/Bell Pepper)
- 7 Cost of Project : Rs21.00lac
- 8 Means of Finance
 

Term Loan Rs.9.87 Lacs  
 KVIC Margin Money - As per Project Eligibility  
 Own Capital Rs.2.03 Lacs  
 Working Capital Rs.8.36 Lacs
- 9 Debt Service Coverage Ratio : 6.74
- 10 Pay Back Period : 5 Years
- 11 Project Implementation Period : 8 Months
- 12 Break Even Point : 23%
- 13 Employment : 13 Persons
- 14 Power Requirement : 5.00 HP
- 15 Major Raw materials : Capsicum /Bellpepper
- 16 Estimated Annual Sales Turnover : 56.70 Lacs
- 16 Detailed Cost of Project & Means of Finance

## COST OF PROJECT

| (Rs. In Lacs)               |              |
|-----------------------------|--------------|
| Particulars                 | Amount       |
| Land 2500 Sqft              | Rented/Owned |
| Building /shed 2000 Sq Ft)  | 5.00         |
| Plant & Machinery           | 5.00         |
| Furniture & Fixtures        | 0.50         |
| Pre-operative Expenses      | 0.47         |
| Working Capital Requirement | 9.29         |
| Total                       | 20.25        |

## MEANS OF FINANCE

| Particulars             | Amount |
|-------------------------|--------|
| Own Contribution @10%   | 2.03   |
| Term Loan               | 9.87   |
| Workign Capital Finance | 8.36   |
| Total                   | 20.25  |

Beneficiary's Margin Money      **General**      **Special**  
 (% of Project Cost)                      10%                      5%

## PLANT & MACHINERY

| PARTICULARS                                                                                    | QTY. | RATE | AMOUNT IN RS. |
|------------------------------------------------------------------------------------------------|------|------|---------------|
| Solar Cabinet Dryer                                                                            | 1    |      | 350,000.00    |
| Chilli Cutting Machine                                                                         | 1    |      |               |
| Stirrer                                                                                        | 1    |      |               |
| Pickle Mixer                                                                                   | 2    |      |               |
| Sealing Machine                                                                                | 1    |      |               |
| Shrink Packaging Machine                                                                       | 1    |      |               |
| SS Utensils, Washing Tanks, Weighing Scales, Hand<br>Gloves, Miscellaneous Tools and Equipment | 1S   |      | 100,000.00    |
| Testing Equipment                                                                              | 1S   |      | 50,000.00     |
| Total                                                                                          |      |      | 500,000.00    |

**PROJECTED BALANCE SHEET**

| PARTICULARS                       | IST YEAR     | IIND YEAR    | IIIRD YEAR   | IVTH YEAR    | VTH YEAR      |
|-----------------------------------|--------------|--------------|--------------|--------------|---------------|
| <b><u>SOURCES OF FUND</u></b>     |              |              |              |              |               |
| Capital Account                   | 2.03         | 2.03         | 2.03         | 2.03         | 2.03          |
| Retained Profit                   | 12.98        | 29.32        | 47.07        | 67.93        | 91.77         |
| Term Loan                         | 9.87         | 7.40         | 4.94         | 2.47         | 0.13          |
| Cash Credit                       | 8.36         | 8.36         | 8.36         | 8.36         | 8.36          |
| Sundry Creditors                  | 1.42         | 1.65         | 1.89         | 2.13         | 2.36          |
| Provisions & Other Liab           | 0.36         | 0.40         | 0.44         | 0.48         | 0.53          |
| <b>TOTAL :</b>                    | <b>35.02</b> | <b>49.16</b> | <b>64.72</b> | <b>83.39</b> | <b>105.18</b> |
| <b><u>APPLICATION OF FUND</u></b> |              |              |              |              |               |
| <b>Fixed Assets ( Gross)</b>      | 10.50        | 10.50        | 10.50        | 10.50        | 10.50         |
| Gross Dep.                        | 1.28         | 2.41         | 3.40         | 4.26         | 5.02          |
| Net Fixed Assets                  | 9.23         | 8.09         | 7.10         | 6.24         | 5.48          |
| <b>Current Assets</b>             |              |              |              |              |               |
| Sundry Debtors                    | 2.84         | 3.62         | 4.15         | 4.67         | 5.20          |
| Stock in Hand                     | 7.88         | 9.19         | 10.50        | 11.81        | 13.13         |
| Cash and Bank                     | 12.58        | 25.51        | 39.95        | 57.34        | 77.72         |
| Deposits & Advances               | 2.50         | 2.75         | 3.03         | 3.33         | 3.66          |
| <b>TOTAL :</b>                    | <b>35.02</b> | <b>49.16</b> | <b>64.72</b> | <b>83.39</b> | <b>105.18</b> |
|                                   | -            | -            | -            | -            | -             |

**PROJECTED PROFITABILITY STATEMENT**

| PARTICULARS                              | IST YEAR     | IIND YEAR    | IIIRD YEAR   | IVTH YEAR    | VTH YEAR      |
|------------------------------------------|--------------|--------------|--------------|--------------|---------------|
| <b><u>A) SALES</u></b>                   |              |              |              |              |               |
| Gross Sale                               | 56.70        | 72.45        | 82.95        | 93.45        | 103.95        |
| <b>Total (A)</b>                         | <b>56.70</b> | <b>72.45</b> | <b>82.95</b> | <b>93.45</b> | <b>103.95</b> |
| <b><u>B) COST OF SALES</u></b>           |              |              |              |              |               |
| Raw Mateiral Consumed                    | 28.35        | 33.08        | 37.80        | 42.53        | 47.25         |
| Elecricity Expenses                      | 0.43         | 0.50         | 0.57         | 0.64         | 0.72          |
| Repair & Maintenance                     | -            | 0.72         | 0.83         | 0.93         | 1.04          |
| Labour & Wages                           | 8.98         | 9.87         | 10.86        | 11.95        | 13.14         |
| Depriciation                             | 1.28         | 1.14         | 0.99         | 0.86         | 0.75          |
| Consumables,packaging and Other Expenses | 2.84         | 3.62         | 4.15         | 4.67         | 5.20          |
| <b>Cost of Production</b>                | <b>41.87</b> | <b>48.93</b> | <b>55.20</b> | <b>61.59</b> | <b>68.10</b>  |
| <b>Add: Opening Stock /WIP</b>           | <b>-</b>     | <b>5.04</b>  | <b>5.88</b>  | <b>6.72</b>  | <b>7.56</b>   |
| <b>Less: Closing Stock /WIP</b>          | <b>5.04</b>  | <b>5.88</b>  | <b>6.72</b>  | <b>7.56</b>  | <b>8.40</b>   |
| Cost of Sales (B)                        | 36.83        | 48.09        | 54.36        | 60.75        | 67.26         |
| <b>C) GROSS PROFIT (A-B)</b>             | <b>19.87</b> | <b>24.36</b> | <b>28.59</b> | <b>32.70</b> | <b>36.69</b>  |
|                                          | <b>35%</b>   | <b>34%</b>   | <b>34%</b>   | <b>35%</b>   | <b>35%</b>    |
| D) Bank Interest (Term Loan )            | 0.85         | 1.03         | 0.75         | 0.46         | 0.18          |
| Bank Interest ( C.C. Limit )             | 0.96         | 0.96         | 0.96         | 0.96         | 0.96          |
| E) Salary to Staff                       | 2.51         | 2.76         | 3.03         | 3.34         | 3.67          |
| F) Selling & Adm Expenses Exp.           | 1.13         | 1.45         | 1.66         | 1.87         | 2.08          |
| <b>TOTAL (D+E)</b>                       | <b>5.46</b>  | <b>6.20</b>  | <b>6.40</b>  | <b>6.63</b>  | <b>6.89</b>   |
| <b>H) NET PROFIT</b>                     | <b>14.42</b> | <b>18.16</b> | <b>22.19</b> | <b>26.07</b> | <b>29.80</b>  |
| <b>I) Taxation</b>                       | <b>1.44</b>  | <b>1.82</b>  | <b>4.44</b>  | <b>5.21</b>  | <b>5.96</b>   |
| <b>J) PROFIT (After Tax)</b>             | <b>12.98</b> | <b>16.34</b> | <b>17.75</b> | <b>20.86</b> | <b>23.84</b>  |

**PROJECTED CASH FLOW STATEMENT**

| PARTICULARS                       | IST YEAR     | IIND YEAR    | IIIRD YEAR   | IVTH YEAR    | VTH YEAR     |
|-----------------------------------|--------------|--------------|--------------|--------------|--------------|
| <b><u>SOURCES OF FUND</u></b>     |              |              |              |              |              |
| Share Capital                     | 2.03         | -            |              |              |              |
| Reserve & Surplus                 | 14.42        | 18.16        | 22.19        | 26.07        | 29.80        |
| Depriciation & Exp. W/off         | 1.28         | 1.14         | 0.99         | 0.86         | 0.75         |
| Increase in Cash Credit           | 8.36         | -            | -            | -            | -            |
| Increase In Term Loan             | 9.87         | -            | -            | -            | -            |
| Increase in Creditors             | 1.42         | 0.24         | 0.24         | 0.24         | 0.24         |
| Increase in Provisions            | 0.36         | 0.04         | 0.04         | 0.04         | 0.05         |
| <b>TOTAL :</b>                    | <b>37.73</b> | <b>19.57</b> | <b>23.45</b> | <b>27.22</b> | <b>30.84</b> |
| <b><u>APPLICATION OF FUND</u></b> |              |              |              |              |              |
| Increase in Fixed Assets          | 10.50        | -            | -            | -            | -            |
| Increase in Stock                 | 7.88         | 1.31         | 1.31         | 1.31         | 1.31         |
| Increase in Debtors               | 2.84         | 0.79         | 0.52         | 0.53         | 0.53         |
| Increase in Deposits & Adv        | 2.50         | 0.25         | 0.28         | 0.30         | 0.33         |
| Repayment of Term Loan            | -            | 2.47         | 2.47         | 2.47         | 2.33         |
| Taxation                          | 1.44         | 1.82         | 4.44         | 5.21         | 5.96         |
| <b>TOTAL :</b>                    | <b>25.15</b> | <b>6.63</b>  | <b>9.02</b>  | <b>9.82</b>  | <b>10.46</b> |
| Opening Cash & Bank Balance       | -            | 12.58        | 25.51        | 39.95        | 57.34        |
| Add : Surplus                     | 12.58        | 12.93        | 14.44        | 17.39        | 20.37        |
| Closing Cash & Bank Balance       | <b>12.58</b> | <b>25.51</b> | <b>39.95</b> | <b>57.34</b> | <b>77.72</b> |

**COMPUTATION OF MANUFACTURING OF CAPSICUM (KINGS CHILLI (BELL PEPPER) PROCESSING****Items to be Manufactured****King chilli Pickle**

10 MT

**Dried King Chilli**

5 MT

|                                |       |             |       |
|--------------------------------|-------|-------------|-------|
| Manufacturing Capacity per day | 75 Kg | 0.050       | MT    |
| No. of Working Hour            |       | 8           |       |
| No of Working Days per month   |       | 25          |       |
| No. of Working Day per annum   |       | 300         |       |
| Total Production per Annum     |       | 15.00       | MT    |
| Year                           |       | Capacity    | MT    |
|                                |       | Utilisation |       |
| IST YEAR                       |       | 60%         | 9.00  |
| IIND YEAR                      |       | 70%         | 10.50 |
| IIIRD YEAR                     |       | 80%         | 12.00 |
| IVTH YEAR                      |       | 90%         | 13.50 |
| VTH YEAR                       |       | 100%        | 15.00 |

**COMPUTATION OF RAW MATERIAL**

| Item Name                                                                           |      | Quantity of      | Recovery                    | Unit Rate of | Total Cost       |
|-------------------------------------------------------------------------------------|------|------------------|-----------------------------|--------------|------------------|
|                                                                                     |      | Raw Material /MT |                             | /MT          | Per Annum (100%) |
| Capsicum                                                                            | 100% | 15.00            |                             | 285,000.00   | 4,275,000.00     |
| Edible Oil, Salt, Turmeric Powder, Ginger, Lemon and Spices                         | LS   | -                |                             | -            | 250,000.00       |
| Packing Material including Plastic Jars, Pouches, Labels and other Packaging Items. |      | LS               |                             |              | 200,000.00       |
| Expenses on Raw Material at 100% capacity (Rs)                                      |      |                  | Total (Rounded off in lacs) |              | 4,725,000.00     |

Annual Consumption cost ( In Lacs) 47.25

| Raw Material Consumed | Capacity Utilisation | Amount (Rs.) |
|-----------------------|----------------------|--------------|
| IST YEAR              | 60%                  | 28.35        |
| IIND YEAR             | 70%                  | 33.08        |
| IIIRD YEAR            | 80%                  | 37.80        |
| IVTH YEAR             | 90%                  | 42.53        |
| VTH YEAR              | 100%                 | 47.25        |

**COMPUTATION OF CLOSING STOCK & WORKING CAPITAL**

| PARTICULARS                  | IST YEAR    | IIND YEAR   | IIIRD YEAR   | IVTH YEAR    | VTH YEAR     |
|------------------------------|-------------|-------------|--------------|--------------|--------------|
|                              |             |             |              |              |              |
|                              |             |             |              |              |              |
| <b><u>Finished Goods</u></b> |             |             |              |              |              |
| (30Days requirement)         | 5.04        | 5.88        | 6.72         | 7.56         | 8.40         |
| <b><u>Raw Material</u></b>   |             |             |              |              |              |
| (30 Days requirement)        | 2.84        | 3.31        | 3.78         | 4.25         | 4.73         |
|                              |             |             |              |              |              |
|                              |             |             |              |              |              |
| <b>Closing Stock</b>         | <b>7.88</b> | <b>9.19</b> | <b>10.50</b> | <b>11.81</b> | <b>13.13</b> |

**COMPUTATION OF WORKING CAPITAL REQUIREMENT**

| Particulars                 |  |       | Total       |
|-----------------------------|--|-------|-------------|
|                             |  |       | Amount      |
| Stock in Hand               |  |       | 7.88        |
|                             |  |       |             |
| Sundry Debtors              |  |       | 2.84        |
|                             |  | Total | 10.71       |
| Sundry Creditors            |  |       | 1.42        |
|                             |  |       |             |
| Working Capital Requirement |  |       | <b>9.29</b> |
|                             |  |       |             |
| Margin                      |  |       | 0.93        |
|                             |  |       |             |
| Working Capital Finance     |  |       | <b>8.36</b> |

**BREAK UP OF LABOUR**

| Particulars                                    |  | Wages     | No of     | Total     |
|------------------------------------------------|--|-----------|-----------|-----------|
|                                                |  | Per Month | Employees | Salary    |
| Supervisor Food specialist                     |  | 12,000.00 | 1         | 12,000.00 |
| Skilled Worker                                 |  | 8,000.00  | 4         | 32,000.00 |
| Unskilled Worker                               |  | 6,000.00  | 6         | 36,000.00 |
|                                                |  |           |           |           |
|                                                |  |           |           |           |
|                                                |  |           |           | 68,000.00 |
| Add: 10% Fringe Benefit                        |  |           |           | 6,800.00  |
| Total Labour Cost Per Month                    |  |           |           | 74,800.00 |
| Total Labour Cost for the year ( In Rs. Lakhs) |  |           | 11        | 8.98      |

**BREAK UP OF SALARY**

| Particulars                               |  | Salary    | No of     | Total     |
|-------------------------------------------|--|-----------|-----------|-----------|
|                                           |  | Per Month | Employees | Salary    |
| Manager                                   |  | self      |           |           |
| Accountant                                |  | 9,000.00  | 1         | 9,000.00  |
| Sales                                     |  | 10,000.00 | 1         | 10,000.00 |
| Total Salary Per Month                    |  |           |           | 19,000.00 |
|                                           |  |           |           |           |
| Add: 10% Fringe Benefit                   |  |           |           | 1,900.00  |
| Total Salary for the month                |  |           |           | 20,900.00 |
|                                           |  |           |           |           |
| Total Salary for the year ( In Rs. Lakhs) |  |           | 2         | 2.51      |

**COMPUTATION OF DEPRECIATION**

| Description               | Land   | Building/shed | Plant &<br>Machinery | Furniture | TOTAL |
|---------------------------|--------|---------------|----------------------|-----------|-------|
|                           |        |               |                      |           |       |
|                           |        |               |                      |           |       |
| Rate of Depreciation      |        | 10.00%        | 15.00%               | 10.00%    |       |
| Opening Balance           | Leased | -             | -                    | -         | -     |
| Addition                  | -      | 5.00          | 5.00                 | 0.50      | 10.50 |
|                           | -      | 5.00          | 5.00                 | 0.50      | 10.50 |
| Less : Depreciation       | -      | 0.50          | 0.75                 | 0.03      | 1.28  |
| WDV at end of Ist year    | -      | 4.50          | 4.25                 | 0.48      | 9.23  |
| Additions During The Year | -      | -             | -                    | -         | -     |
|                           | -      | 4.50          | 4.25                 | 0.48      | 9.23  |
| Less : Depreciation       | -      | 0.45          | 0.64                 | 0.05      | 1.14  |
| WDV at end of IIInd Year  | -      | 4.05          | 3.61                 | 0.43      | 8.09  |
| Additions During The Year | -      | -             | -                    | -         | -     |
|                           | -      | 4.05          | 3.61                 | 0.43      | 8.09  |
| Less : Depreciation       | -      | 0.41          | 0.54                 | 0.04      | 0.99  |
| WDV at end of IIIrd year  | -      | 3.65          | 3.07                 | 0.38      | 7.10  |
| Additions During The Year | -      | -             | -                    | -         | -     |
|                           | -      | 3.65          | 3.07                 | 0.38      | 7.10  |
| Less : Depreciation       | -      | 0.36          | 0.46                 | 0.04      | 0.86  |
| WDV at end of IV year     | -      | 3.28          | 2.61                 | 0.35      | 6.24  |
| Additions During The Year | -      | -             | -                    | -         | -     |
|                           | -      | 3.28          | 2.61                 | 0.35      | 6.24  |
| Less : Depreciation       | -      | 0.33          | 0.39                 | 0.03      | 0.75  |
| WDV at end of Vth year    | -      | 2.95          | 2.22                 | 0.31      | 5.48  |

**REPAYMENT SCHEDULE OF TERM LOAN**

11.5%

| Year       | Particulars     | Amount | Addition | Total | Interest | Repayment | CI Balance |
|------------|-----------------|--------|----------|-------|----------|-----------|------------|
| IST YEAR   | Opening Balance |        |          |       |          |           |            |
|            | Ist Quarter     | -      | 9.87     | 9.87  | -        | -         | 9.87       |
|            | Iind Quarter    | 9.87   | -        | 9.87  | 0.28     | -         | 9.87       |
|            | IIIrd Quarter   | 9.87   | -        | 9.87  | 0.28     | -         | 9.87       |
|            | Ivth Quarter    | 9.87   | -        | 9.87  | 0.28     | -         | 9.87       |
|            |                 |        |          |       | 0.85     | -         |            |
| IIND YEAR  | Opening Balance |        |          |       |          |           |            |
|            | Ist Quarter     | 9.87   | -        | 9.87  | 0.28     | 0.62      | 9.26       |
|            | Iind Quarter    | 9.26   | -        | 9.26  | 0.27     | 0.62      | 8.64       |
|            | IIIrd Quarter   | 8.64   | -        | 8.64  | 0.25     | 0.62      | 8.02       |
|            | Ivth Quarter    | 8.02   |          | 8.02  | 0.23     | 0.62      | 7.40       |
|            |                 |        |          |       | 1.03     | 2.47      |            |
| IIIRD YEAR | Opening Balance |        |          |       |          |           |            |
|            | Ist Quarter     | 7.40   | -        | 7.40  | 0.21     | 0.62      | 6.79       |
|            | Iind Quarter    | 6.79   | -        | 6.79  | 0.20     | 0.62      | 6.17       |
|            | IIIrd Quarter   | 6.17   | -        | 6.17  | 0.18     | 0.62      | 5.55       |
|            | Ivth Quarter    | 5.55   |          | 5.55  | 0.16     | 0.62      | 4.94       |
|            |                 |        |          |       | 0.75     | 2.47      |            |
| IVTH YEAR  | Opening Balance |        |          |       |          |           |            |
|            | Ist Quarter     | 4.94   | -        | 4.94  | 0.14     | 0.62      | 4.32       |
|            | Iind Quarter    | 4.32   | -        | 4.32  | 0.12     | 0.62      | 3.70       |
|            | IIIrd Quarter   | 3.70   | -        | 3.70  | 0.11     | 0.62      | 3.09       |
|            | Ivth Quarter    | 3.09   |          | 3.09  | 0.09     | 0.62      | 2.47       |
|            |                 |        |          |       | 0.46     | 2.47      |            |
| VTH YEAR   | Opening Balance |        |          |       |          |           |            |
|            | Ist Quarter     | 2.47   | -        | 2.47  | 0.07     | 0.62      | 1.85       |
|            | Iind Quarter    | 1.85   | -        | 1.85  | 0.05     | 0.62      | 1.23       |
|            | IIIrd Quarter   | 1.23   | -        | 1.23  | 0.04     | 0.55      | 0.68       |
|            | Ivth Quarter    | 0.68   |          | 0.68  | 0.02     | 0.55      | 0.13       |
|            |                 |        |          |       | 0.18     | 2.33      |            |

CALCULATION OF D.S.C.R

| PARTICULARS                 | IST YEAR | IIND YEAR | IIIRD YEAR | IVTH YEAR | VTH YEAR |
|-----------------------------|----------|-----------|------------|-----------|----------|
|                             |          |           |            |           |          |
|                             |          |           |            |           |          |
|                             |          |           |            |           |          |
| <u>CASH ACCRUALS</u>        | 14.25    | 17.48     | 18.74      | 21.72     | 24.59    |
|                             |          |           |            |           |          |
| Interest on Term Loan       | 0.85     | 1.03      | 0.75       | 0.46      | 0.18     |
|                             |          |           |            |           |          |
| Total                       | 15.10    | 18.51     | 19.49      | 22.18     | 24.77    |
|                             |          |           |            |           |          |
| <u>REPAYMENT</u>            |          |           |            |           |          |
| Instalment of Term Loan     | 2.47     | 2.47      | 2.47       | 2.33      | 2.33     |
| Interest on Term Loan       | 0.85     | 1.03      | 0.75       | 0.46      | 0.18     |
|                             |          |           |            |           |          |
| Total                       | 3.32     | 3.50      | 3.21       | 2.80      | 2.51     |
|                             |          |           |            |           |          |
| DEBT SERVICE COVERAGE RATIO | 4.55     | 5.29      | 6.06       | 7.94      | 9.86     |
|                             |          |           |            |           |          |
| AVERAGE D.S.C.R.            |          |           | 6.74       |           |          |

**COMPUTATION OF SALE**

| Particulars           | IST YEAR     | IIND YEAR    | IIIRD YEAR   | IVTH YEAR    | VTH YEAR      |
|-----------------------|--------------|--------------|--------------|--------------|---------------|
|                       |              |              |              |              |               |
|                       |              |              |              |              |               |
| Op Stock              | -            | 0.90         | 1.05         | 1.20         | 1.35          |
|                       |              |              |              |              |               |
| Production            | 9.00         | 10.50        | 12.00        | 13.50        | 15.00         |
|                       |              |              |              |              |               |
|                       | 9.00         | 11.40        | 13.05        | 14.70        | 16.35         |
| Less : Closing Stock  | 0.90         | 1.05         | 1.20         | 1.35         | 1.50          |
|                       |              |              |              |              |               |
| Net Sale              | 8.10         | 10.35        | 11.85        | 13.35        | 14.85         |
|                       |              |              |              |              |               |
| Sale Price per MT     | 700,000.00   | 700,000.00   | 700,000.00   | 700,000.00   | 700,000.00    |
|                       |              |              |              |              |               |
| <b>Sale (in Lacs)</b> | <b>56.70</b> | <b>72.45</b> | <b>82.95</b> | <b>93.45</b> | <b>103.95</b> |
|                       |              |              |              |              |               |
|                       |              |              |              |              |               |
|                       |              |              |              |              |               |

|             |            |            |              |
|-------------|------------|------------|--------------|
|             |            | Price per  |              |
| Particulars | <u>Qty</u> | Unit (Rs.) | Amount (Rs.) |

|                                        |        |              |              |
|----------------------------------------|--------|--------------|--------------|
| <u>King Chilli Pickle</u>              | 10 Ton | 130,000.00   | 1,300,000.00 |
| <u>Dried King Chilli</u>               | 5 Ton  | 1,000,000.00 | 5,000,000.00 |
| Total Sales per annum at 100% capacity | 15 Ton |              | 6,300,000.00 |

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

|                                              |  |                 |        |                  |
|----------------------------------------------|--|-----------------|--------|------------------|
|                                              |  |                 |        |                  |
| Total Working Hour per day                   |  | Hours           | 8      |                  |
| Electric Load Required                       |  | HP              | 5      |                  |
| Load Factor                                  |  |                 | 0.7460 |                  |
| Electricity Charges                          |  | per unit        | 8.00   |                  |
| Total Working Days                           |  |                 | 300    |                  |
| <b>Electricity Charges ( 8 Hrs Per day )</b> |  |                 |        | 71,616.00        |
|                                              |  |                 |        |                  |
| Add : Minimim Charges (@ 10%)                |  |                 |        |                  |
|                                              |  |                 |        |                  |
|                                              |  |                 |        |                  |
| <b><u>(B) DG set</u></b>                     |  |                 |        |                  |
| 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%           |  |                 |        | 0.72             |
|                                              |  |                 |        |                  |
| <b>Year</b>                                  |  | <b>Capacity</b> |        | <b>Amount</b>    |
|                                              |  |                 |        | <b>(in Lacs)</b> |
|                                              |  |                 |        |                  |
| IST YEAR                                     |  | 60%             |        | 0.43             |
| IIND YEAR                                    |  | 70%             |        | 0.50             |
| IIIRD YEAR                                   |  | 80%             |        | 0.57             |
| IVTH YEAR                                    |  | 90%             |        | 0.64             |
| VTH YEAR                                     |  | 100%            |        | 0.72             |
|                                              |  |                 |        |                  |

# **BREAK EVEN POINT ANALYSIS**

| Year                                          | I            | II           | III          | IV           | V             |
|-----------------------------------------------|--------------|--------------|--------------|--------------|---------------|
| <b>Net Sales &amp; Other Income</b>           | 56.70        | 72.45        | 82.95        | 93.45        | 103.95        |
| Less : Op. WIP Goods                          | -            | 5.04         | 5.88         | 6.72         | 7.56          |
| Add : Cl. WIP Goods                           | 5.04         | 5.88         | 6.72         | 7.56         | 8.40          |
| <b>Total Sales</b>                            | <b>61.74</b> | <b>73.29</b> | <b>83.79</b> | <b>94.29</b> | <b>104.79</b> |
| <b>Variable &amp; Semi Variable Exp.</b>      |              |              |              |              |               |
| Raw Material & Tax                            | 28.35        | 33.08        | 37.80        | 42.53        | 47.25         |
| Electricity Exp/Coal Consumption at 85%       | 0.37         | 0.43         | 0.49         | 0.55         | 0.61          |
| Manufacturing Expenses 80%                    | 2.27         | 3.48         | 3.98         | 4.49         | 4.99          |
| Wages & Salary at 60%                         | 6.89         | 7.58         | 8.34         | 9.17         | 10.09         |
| Selling & administrative Expenses 80%         | 0.91         | 1.16         | 1.33         | 1.50         | 1.66          |
| Intt. On Working Capital Loan                 | 0.96         | 0.96         | 0.96         | 0.96         | 0.96          |
| <b>Total Variable &amp; Semi Variable Exp</b> | <b>39.74</b> | <b>46.68</b> | <b>52.89</b> | <b>59.19</b> | <b>65.56</b>  |
| <b>Contribution</b>                           | <b>22.00</b> | <b>26.61</b> | <b>30.90</b> | <b>35.10</b> | <b>39.23</b>  |
| <b>Fixed &amp; Semi Fixed Expenses</b>        |              |              |              |              |               |
| Manufacturing Expenses 20%                    | 0.57         | 0.87         | 1.00         | 1.12         | 1.25          |
| Electricity Exp/Coal Consumption at 15%       | 0.06         | 0.08         | 0.09         | 0.10         | 0.11          |
| Wages & Salary at 40%                         | 4.59         | 5.05         | 5.56         | 6.11         | 6.73          |
| Interest on Term Loan                         | 0.85         | 1.03         | 0.75         | 0.46         | 0.18          |
| Depreciation                                  | 1.28         | 1.14         | 0.99         | 0.86         | 0.75          |
| Selling & administrative Expenses 20%         | 0.23         | 0.29         | 0.33         | 0.37         | 0.42          |
| <b>Total Fixed Expenses</b>                   | <b>7.58</b>  | <b>8.45</b>  | <b>8.71</b>  | <b>9.03</b>  | <b>9.43</b>   |
| <b>Capacity Utilization</b>                   | <b>60%</b>   | <b>70%</b>   | <b>80%</b>   | <b>90%</b>   | <b>100%</b>   |
| <b>OPERATING PROFIT</b>                       | <b>14.42</b> | <b>18.16</b> | <b>22.19</b> | <b>26.07</b> | <b>29.80</b>  |
| <b>BREAK EVEN POINT</b>                       | <b>21%</b>   | <b>22%</b>   | <b>23%</b>   | <b>23%</b>   | <b>24%</b>    |
| <b>BREAK EVEN SALES</b>                       | <b>21.27</b> | <b>23.28</b> | <b>23.61</b> | <b>24.26</b> | <b>25.19</b>  |