

## PROJECT PROFILE ON SUGAR GLOBULES

|                               |  |
|-------------------------------|--|
| Product                       | Sugar Globules   |
| Production Capacity           | 2800 Qtls.   |
| Value: (In Rs.)               | Rs. 117.60 lacs  |
| Month & Year of Preparation : | January, 2011  |
| Prepared By :                 | <p>MSME Development Institute,<br/>Govt. of India, Ministry of MSME<br/>11-A, I.D.C.<br/>Near I.T.I, Kunjpura Road,<br/>Karnal-132001 (Haryana)<br/>Tel: 0184-2230822, Telefax 0184-<br/>2231862<br/>E-mail: dcdi-karnal@dcmsme.gov.in<br/>Website : www.msmedikarnal.gov.in</p> |

## **INTRODUCTION:**

As progress of Medical Science increasing day by day like wise the side effect of allopathic medicines are also being seen in the world. Looking to the adverse effect of allopathic medicines population of this era is moving towards the Ayurvedic & Homeopathic Medicines because it is well known that adverse effect of homeopathic & Ayurvedic medicines are quite low. Therefore, demand of homeopathic medicines is increasing day by day, looking to the demand of Homeopathic drugs, demand of sugar globules is also increasing because Homeopathic medicines can only be taken with sugar globules of water due to sweet in nature & easy solubility in mouth sugar globules are mainly being used by homeopathic doctors. Hence, we can say that industry of Sugar Globules have bright future. In manufacturing of sugar globules basic raw material is sugar & which is easily available in each & every part of country beside this sugar globules have good absorption power than other globules and easily absorbs by the homeopathic drug without any change in composition & property.

## **MARKET :**

Basic consumption of sugar globules is in homeopathy, because drug used in homeopathy is either to be taken with sugar globules or water. Therefore due to sweet taste these globules are being used by doctors or physician of homeopathy. Basic difference between manufacturing cost & ceiling prize is very high, hence it can be sale to wholesalers only.

## **IMPLEMENTATION SCHEDULE :**

|    |  |            |
|----|--|------------|
| 1. | Preparation of Project profile                     | One month  |
| 2. | SSI Registration                                   | One month  |
| 3. | Finance/Loan from Banker or Financial Institutions | Two months |
| 4. | Power connection/Building construction             | Six months |

|    |                                   |                        |
|----|-----------------------------------|------------------------|
| 5. | Machinery procurement & Trial run | Two months             |
| 6. | Recruitment of Staff & Labour     | One month              |
| 7. | Actual commercial production      | One month              |
|    | <b>Total period :</b>             | <b>Fourteen months</b> |

### **BASIS & PRESUMPTIONS:**

The project has been drafted taking into account of the following aspects :

|    |   |         |
|----|---|---------|
| 1. | No. of working shift in a day   | One     |
| 2  | Duration of shift in term of time   | 8 hours |
| 3  | Number of working days in a year  | 300     |
| 4  | Working efficiency of the units   | 75%     |
| 5  | Construction of building (built up are) will be in accordance with the provision laid down by FDA.  |         |
| 6  | The estimates are drawn from a production capacity generally considered techno-economically viable for a modern type of manufacturing unit.                                     |         |
| 7  | The wages of the Staff & Labour is taken as per the prevailing Labour Wages Laws.   |         |
| 8  | The entire expenditure will be borne by entrepreneur.   |         |
| 9  | The rate of interest has been shown as applicable.-   |         |
| 10 | Plant & Machinery, Testing equipment & all other equipments used in manufacturing such type of products may also be employed in manufacturing all other similar type medicines. |         |
| 11 | Although the unit is free from pollution & effluent discharge but still provision of exhaust fan may ensure the fresh environment.  |         |

### **MANUFACTURING PROCESS:**

Manufacturing process of sugar globules may be shown as following :-

1. Grinding of sugar.

2. Formation of Globules
3. Drying
4. Coating

**1. Grinding :**

Sugar is grinded by grinder to fine mesh & further filter through sieve to remove unwanted material if any.

**2. Formation of Globules:**

Powdered sugar mixed with water & paste is formed. This paste is rubbed on the surface of sieve to prepare granules of sugar.

**3. Drying :**

These granules are dried in tray drier to remove/eliminate moisture of the product.

**4. Coating :**

Dried sugar globules transferred in to coating machine having arrangement of spray drier for coating with sugar solution to desired size.

Colour of the product should be translucent or opaque in nature.

**5. POLLUTION CONTROL:**

There is no pollution, however, unit has to obtain N.O.C. from Pollution Control Authorities.

**6. ENERGY CONSERVATION:-**

Electricity may be conserved as follows:-

1. Use of high efficiency motors.
2. Down sizing the motor.
3. Use of soft starter-cum-Energy Saver.
4. Use of variable speed drives.
5. Use of on load Tapn. changing transformers.
6. Use of automatic voltage regulators.

7. Avoid use of Re-wounded motors.
8. Avoid idle running of motors

### **FINANCE OUTLAY :-**

#### **FIXED CAPITAL INVESTMENT**

##### **A . Land & Building :**

**Land:** 250 Sq. Mtr. @ 5000/- per sq.mtr. =12.5 lacs

**Building :** Covered area 200 Sq. Mtr. of manufacturing shed store of Raw material, Finished products & Office etc.

Construction value @ Rs. 4000/- per sq. mtr. = 8.0 lacs

Total value of Land & Building = Rs. 12.50 + 8.0 = **20.50 lacs**

##### **B. Plant & Machinery:**

| <b>S. No.</b> | <b>Description</b>   | <b>Nos.</b>    | <b>Value (Rs. lacs)</b> |
|---------------|--|----------------|-------------------------|
| 1.            | Grinder with motor of 5 HP for grinding of sugar   | Two            | 2.0                     |
| 2.            | Tray drier capacity of 26 trays, electrically heated, complete with fan, heating coil, digital temperature controller & indicator having arrangement of circulating air. | Two            | 3.0                     |
| 3.            | Sieves of different Mesh   | Five           | 0.50                    |
| 4.            | Tableting Machine with Motors & Punches  | One            | 0.80                    |
| 5.            | Coating pan made of SS with arrangement of Heater and air blower.  | One            | 1.00                    |
| 6.            | Degrader having arrangement of 13 Nos. sieves of various mesh & 3 HP motor capacity 100 kg. per hour   | One            | 2.00                    |
| 7.            | Physical weighing balance  | One            | 0.15                    |
| 8.            | Lab equipment, glass ware plastic ware & other equipment like sealing machine etc.   |                | 0.20                    |
| 9.            | Erection & Electrification @ 10%   |                | 0.865                   |
|               |  | <b>Total :</b> | <b>10.515</b>           |

C. Furniture, almirah & Computer  
60,000.00

Rs.

D. Pre-operative Expenses  
10,000.00

Rs.

Total value of fixed Capital Investment:

= Rs. 10,515 lacs + 60,000 + 10,000 = 11.215

+ 12.5 + 8.0 = 31.71 lacs

### WORKING CAPITAL EXPENSES

**Raw Material: ( pm)**

**(Amt. in lacs)**

|  |             |
|--|-------------|
| Sugar 250 Quintals @ Rs. 3000/- per quintal                              | 7.50        |
| Polyethylene bag for packaging & Additives used for brightness of colour | 0.10        |
| <b>Total :</b>   | <b>7.60</b> |

### STAFF & LABOUR : (PM)

**Personnel**

**Qty.**

**Salary**

**Total Salary (Rs.)**

|    |                      |   |      |       |
|----|----------------------|---|------|-------|
| 1. | Manager-cum-Chemist  | 1 | 6000 | 6000  |
| 2. | Skilled Worker       | 2 | 5000 | 10000 |
| 3. | Unskilled Worker     | 3 | 3000 | 9000  |
| 4. | Sales Representative | 1 | 5000 | 5000  |
| 5. | Peon –cum- Watchman  | 1 | 2500 | 2500  |

|    |                  |  |                |               |
|----|------------------|--|----------------|---------------|
| 6. | Perquisite @ 10% |  |                | 3250          |
|    |                  |  | <b>Total :</b> | <b>35,750</b> |

### OTHER EXPENSES ( PM)

#### Utilities :

#### Value (Rs.)

|                           |               |
|---------------------------|---------------|
| Electricity               | 10,000        |
| Water                     | 500           |
| Transportation            | 3000          |
| Repairing & Maintenance   | 500           |
| Insurance                 | 500           |
| Advertisement & Publicity | 500           |
| Postage & stationery      | 500           |
| Misc.                     | 500           |
| <b>Total :</b>            | <b>16,000</b> |

Total Recurring Expenses (P.M.):  $7.60 + 35750 + 16000 = 8.12$  lacs

**Working Capital for 3 months :** Rs.  $8.12 \times 3 = 24.36$  lacs

### TOTAL CAPITAL INVESTMENT=

|                             |              |
|-----------------------------|--------------|
| Fixed Capital Investment    | 31.70        |
| Working Capital for 3 month | 24.36        |
| <b>Total :</b>              | <b>55.06</b> |

### COST OF PRODUCTION (P.A.) :

(Rs. in lacs)

|   |       |
|---|-------|
| Recurring expenses                      | 97.44 |
| Depreciation on Plant & Machinery @ 10% | 0.97  |
| Depreciation on Building @ 5%           | 0.40  |
| Depreciation on furniture @ 20%         | 0.12  |

|  |               |
|--|---------------|
| Interest on Total Capital Investment @ 13% | 7.16          |
| <b>Total :</b>                             | <b>106.09</b> |

### TURNOVER :

By sale of 2800 Quintals of Sugar Globules @ 42 kg = Rs. 117.60 Lacs

Net Profit = 117.60 - 106.09 = 11.51 lacs

Percentage Profit on Sale =  $\frac{11.51 \times 100}{117.60}$  = 9.79%

Percentage Profit on Total Capital Investment :  
 $\frac{11.51 \times 100}{55.06}$  = 20.90%

B.E.P. :

|                                      |              |
|--------------------------------------|--------------|
| 40% of Salary and wages              | 1.71         |
| 40% of Other Expenses                | 0.77         |
| Total Depreciation                   | 1.49         |
| Interest on total Capital Investment | 7.16         |
| <b>Total :</b>                       | <b>11.13</b> |

B.E.P. =  $\frac{\text{Fixed Cost}}{\text{Fixed Cost} + \text{Profit}} \times 100$  =  $\frac{11.13 \times 100}{11.13 + 11.51}$  = 49.16%



**Addresses of Plant & Machinery and Raw Materials etc. Suppliers :**

1. M/s Poiner Engineering Co.,  
57, Mumbai, Samachar Marg,  
Mumbai-400001
2. M/s Pharma Mach  
10, Chaulpatty Road,  
(Beliaghata)  
Calcutta-700010
3. M/s Kallas Machine Tools,  
12, Harshad Estate, Mamtanagar,  
Nr. Virat Nagar, Char Rasta  
Rakhial (Bapu Nagar)  
Ahmedabad-380024
4. M/s Amba Engineers,  
6, Laxmi Indl. Estate,  
Navneet Prakashan Compound, Rakhial  
Ammedabad-380 023
5. M/s Ambica Machine Tools  
Plot No.1, Phase-II, GIDC, Vatva  
Ahmedabad-382445
6. Cip Machineries Pvt. Ltd.,  
10-11, Umla Estate, Nr. Bharat Party Plot,  
N.H. Road-8, Amrawadi,  
Ahmedabad-380 026
7. M/s Darshan Chaudhry  
Prashant Press  
Gulabi Bagh, New Delhi

RAW MATERIAL IS LOCALLY AVAILABLE.