



**PROJECT PROFILE**  
**ON**  
**NAPHTHALENE BALLS**

**2021-2022**

\*\*\*\*\*

*Prepared by:*

**MSME-Testing Station**

**Government of India**

Ministry of Micro, Small & Medium Enterprises

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# INDEX

<b>Sl No.</b>	<b>Chapter</b>	<b>Page</b>
<b>1.</b>	<b>Commercial Details</b>	<b>3-8</b>
<b>2.</b>	<b>Technical Details</b>	<b>8-11</b>
<b>3.</b>	<b>Project Report</b>	<b>12-18</b>
<b>4.</b>	<b>Address of Plant and Machinery Manufacturer</b>	<b>19</b>
<b>4.</b>	<b>Schemes and Consultancy Services</b>	<b>19-24</b>
<b>5.</b>	<b>Details Of Agencies Who Can Provide Guidance</b>	<b>24</b>

# PROJECT PROFILE

<b>1. Product</b>	<b>Naphthalene Balls</b>
<b>2. NIC Code (2008)</b>	<b>19209</b>
<b>3. HSN code of the product-</b>	<b>29029040</b>
<b>4. Production Capacity</b>	<b>180MT per Annum. (Valued Rs. 187.2 Lakhs)</b>
<b>5. Month &amp; year of Preparation</b>	<b>April, 2021</b>
<b>5. Quality Standards</b>	<b>BIS Specification No. : 539-1974</b>

**1.1 Cluster already existing on the product (Chemical Product) if any (Data from Cluster division of HQ)**

### A. List of Chemical Clusters:

Sl. No.	Name of the Cluster (Product)	Location	District
1.	PHARMA & Chemicals	Agra	Agra
2.	Colors & Chemicals	Rawat Para	Agra
3.	Guar Gum and Chemicals Manufacturing	Bhiwani	Bhiwani
4.	Petro Chemicals/ Plastic Cluster	Atchutapuram	Andhra pradesh
5.	Specialty Chemical Cluster	Parwada	Andhra pradesh
6.	Chemicals	Chennai	Chennai
7.	Chemical Products	Kancheepuram	Kancheepuram
8.	Chemical products	Tiruvallur	Tiruvallur
9.	Chemical Industry	Bhilai	Chhattisgarh
10.	Ahmedabad Dyes & Chemicals	Basic Chemicals and Chemical Products	Ahmadabad
11.	Anand Paints	Basic Chemicals and Chemical Products	Anand
12.	Ankleshwar Chemicals	Basic Chemicals and Chemical Products	Ankleshwar
13.	Surat Dyes and Chemicals	Basic Chemicals and Chemical Products	Surat
14.	Pardi Dyes and Intermediates	Basic Chemicals and Chemical Products	Pardi
15.	Valsad Sodium Thiocynate	Basic Chemicals and Chemical Products	Valsad
16.	Vapi Chemicals	Basic Chemicals and Chemical Products	Vapi
17.	Vapi Pharmaceuticals	Basic Chemicals and Chemical Products	Vapi
18.	Chemical Industries,	Kottayam	Kottayam

	Kottayam		
19.	Chemical Cluster	LoteParshuram	Ratnagiri
20.	Chemical Industry Cluster	Palghar	Palghar
21.	MFG of Chemical Products	Patiala	Patiala
22.	Chemicals	Mayapuri	Mayapuri, Delhi
23.	Chemicals Others	Ahmedabad	Ahmedabad
24.	Pharmaceuticals bulk drugs, chemicals	Ankleshwar	Ankleshwar, Gujarat

## 1.2 Possibility to create and establish cluster on the product

The Cluster may be established near the petroleum refinery and big steel plants as the basic Raw Material “Naphtha Flakes” is the Bi Product of Petroleum and Pet Cock. The major states may be Maharashtra, Gujarat, West Bengal, Kerala, Tamilnadu etc.

## 1.3 Number of Industries registered as MSME is available in the manufacturing of the product (Data division/NIC Division of HQ) as on 07.04.2021

State Wise Total MSME Registered <u>under UAM</u> for NIC 5 Digit Code -19209 (Since Inception to 30/06/2020)					
SL. No.	State	Micro	Small	Medium	Total
1	ANDHRA PRADESH	39	35	3	77
2	ARUNACHAL PRADESH	0	2	0	2
3	ASSAM	14	5	4	23
4	BIHAR	69	16	3	88
5	CHHATTISGARH	8	9	0	17
6	GOA	0	1	0	1
7	GUJARAT	215	96	9	320
8	HARYANA	47	34	2	83
9	HIMACHAL PRADESH	1	2	0	3
10	JHARKHAND	22	12	1	35
11	KARNATAKA	53	32	1	86
12	KERALA	1264	10	1	1275
13	MADHYA PRADESH	75	60	1	136
14	MAHARASHTRA	242	153	6	401
15	MANIPUR	32	3	0	35
16	MEGHALAYA	2	1	0	3
17	MIZORAM	0	0	0	0
18	NAGALAND	0	0	0	0

19	ODISHA	10	15	0	25
20	PUNJAB	36	13	1	50
21	RAJASTHAN	69	53	2	124
22	SIKKIM	0	0	0	0
23	TAMIL NADU	220	72	0	292
24	TELANGANA	31	32	0	63
25	TRIPURA	4	0	0	4
26	UTTAR PRADESH	120	52	1	173
27	UTTARAKHAND	2	0	0	2
28	WEST BENGAL	40	32	2	74
29	ANDAMAN AND NICOBAR ISLANDS	2	1	1	4
30	CHANDIGARH	1	0	0	1
31	DADAR AND NAGAR HAVELI	6	7	0	13
32	DAMAN AND DIU	2	0	0	2
33	DELHI	44	19	1	64
34	JAMMU AND KASHMIR	2	0	0	2
35	LADAKH	0	0	0	0
36	LAKSHADWEEP	0	0	0	0
37	PUDUCHERRY	7	1	0	8
	<b>Total:-</b>	<b>2679</b>	<b>768</b>	<b>39</b>	<b>3486</b>

<b>State Wise Total MSME Registered under <u>Udyog Registration (UR)</u> (Since Inception to 06/04/2021) for NIC 5 Digit Code -19209 as on 07.04.2021</b>					
<b>SL. No.</b>	<b>State</b>	<b>Micro</b>	<b>Small</b>	<b>Medium</b>	<b>Total</b>
1	ANDHRA PRADESH	19	11	3	33
2	ARUNACHAL PRADESH	0	0	0	0
3	ASSAM	5	8	3	16
4	BIHAR	9	3	2	14
5	CHHATTISGARH	7	8	0	15
6	GOA	1	0	0	1
7	GUJARAT	118	73	14	205
8	HARYANA	39	28	2	69
9	HIMACHAL PRADESH	0	0	0	0
10	JHARKHAND	9	7	0	16
11	KARNATAKA	60	20	2	82
12	KERALA	28	10	0	38
13	MADHYA PRADESH	47	11	4	62
14	MAHARASHTRA	173	51	7	231
15	MANIPUR	13	0	1	14
16	MEGHALAYA	0	0	0	0
17	MIZORAM	0	0	0	0
18	NAGALAND	0	0	0	0
19	ODISHA	10	7	2	19
20	PUNJAB	25	27	2	54

21	RAJASTHAN	74	31	4	109
22	SIKKIM	0	0	0	0
23	TAMIL NADU	80	34	3	117
24	TELANGANA	38	12	1	51
25	TRIPURA	0	0	0	0
26	UTTAR PRADESH	67	27	1	95
27	UTTARAKHAND	1	2	0	3
28	WEST BENGAL	23	14	6	43
29	ANDAMAN AND NICOBAR ISLANDS	0	0	0	0
30	CHANDIGARH	1	1	1	3
31	DADAR AND NAGAR HAVELI	6	3	1	10
32	DAMAN AND DIU	0	0	0	0
33	DELHI	25	14	4	43
34	JAMMU AND KASHMIR	4	6	0	10
35	LADAKH	0	0	0	0
36	LAKSHADWEEP	0	0	0	0
37	PUDUCHERRY	3	0	0	3
	<b>Total:-</b>	<b>885</b>	<b>408</b>	<b>63</b>	<b>1356</b>

**1.4 Number of industries available in the large scale industries (to be obtained from State Government):**

1. Himadri Chemicals, Fortuna Tower, 23-A, Netaji Subhash Chand Road, Kolkata-700 001
2. Bengal Chemical & Pharmaceuticals Limited (A Government of India Enterprise), 06, Ganesh Chandra Avenue, Kolkata-700 013
3. Metro Industries No. 298/300, Jathawala Building, 1st Floor, Narshi Natha Street, Masjid Bander Masjid Bandar, Palghar - 401404, Thane, Maharashtra, India
4. Grand Chemical Works, Grand House,C-212/2,Mayapuri Industrial Area, Phase-II, New Delhi - 110064

**1.5 Data about the imports of this product for the past three years (Refer Dc office website)**

<b>Yearly Time Series On Import including re-import of this product at 8 Digit from 2016-17 To 2020-21</b>							
<b>HS CODE</b>	<b>DESCRIPTION</b>	<b>UNIT</b>	<b>Value in INR Crore</b>				
			<b>2016-17</b>	<b>2017-18</b>	<b>2018-19</b>	<b>2019-20</b>	<b>2020-21</b>
29029040	Napthalene Pure	KGS	139.63	162.77	249.82	129.01	68.99

**1.6 Data available for the exports well against this product for the past two years (refer DC office website)**

Yearly Time Series On Export including re-export of this product at 8 Digit from 2016-17 To 2020-21							
HS CODE	DESCRIPTION	UNIT	Value in INR Crore				
			2016-17	2017-18	2018-19	2019-20	2020-21
29029040	Napthalene Pure	KGS	0.93	1.48	1.54	4.60	7.83

## TECHNICAL DETAILS ON NAPHTHALENE BALLS

**2.1 Sector in which the product is falling :-** Chemical Sector

**2.2 End user of the products/sectors**

- A. Industrial Use
- B. House disinfecting use
- C. Hotel Cleaning
- D. Office premises use

### (A) PRODUCTS & ITS USES:-

Naphthalene  $C_{10}H_8$  is an aromatic hydrocarbon with two condensed ring aromatic compounds. Naphthalene is known to domestic users as **moth balls**. Naphthalene balls are extensively used as household preservative of woollen clothes and as a deodorant tablet for the toilets, urinals, bathrooms etc. These are manufactured from naphthalene flakes by a tablet-making machine having its ball shape die. This industry which requires a little machinery and technical knowhow can profitably be started on a small scale.

### GOVERNING INDIAN SPECIFICATION:-

#### Quality Standard

Quality parameters, grades, testing procedures, permissible limits of ingredients, physical properties and other parameters related to quality standards are laid down in BIS specification No. 539-1974, as following:

#### GRADES

There shall be two grades of naphthalene, namely:

Grade 1- Naphthalene, pure; and

Grade 2- Naphthalene, hot pressed.

#### REQUIREMENT

##### Description



Grade 1 material shall consist of prime, whiteballs, blocks, flakes or crystalline powder and shall be free from dirt or oily impurities.

Grade 2 material may be obtained by hot-pressing, centrifuging, etc, and is generally known in trade as naphthalene, hot pressed. It shall be white to light brown in colour and shall consist of lumps, blocks or granules.

Test for Staining – Grade 1 material shall not produce any stain, if contact with woollen fabrics when tested as prescribed below.

Wrap a small quantity of the material tightly in a piece of white serge, and maintain it at  $50 \pm 1^\circ\text{C}$  for 4 hours. Then examine the piece of serge for stains, if any.

The material shall also comply with the requirement given in Table 1.

<b>TABLE 1 REQUIREMENT FOR NEPHTHALENE</b>					
Sr. No.	CHARACTERISTIC	RQUIREMENT		METHOD OF TEST, REF. TO	
		Grade 1	Grade 2	Appendix	Indian Standard
1	2	3	4	5	6
i.	Colour	White	When compared in identical glass tubes, the powered material shall be not darker then a solution of 20 mg of iodine and 40 mg of potassium iodine in 100 ml of water.	--	--
ii.	Crystallizing point, °C, Min	79.4	78.5	A	
iii.	Moisture content, percent by mass, Max	0.2	0.2	B	
iv.	Ash, percent by mass, max	0.02	0.02	C	
v.	Acid wash test	Colourisation not darker then no. 3 standard colour described in the test	--	D	

vi.	Matter insoluble in benzene, present by mass, Max	0.1	0.1	E	
Vii	Non-volatile matter at 160°C, present by mass, Max	0.1	0.1	F	
Viii	Total sulphur, percent by mass, max	--	0.4	--	5.1 of IS: 1350 (Part III)-1969*
ix.	Total nitrogen, percent by mass, Max	--	0.1	--	IS: 1350(Part IV/ Sec)-1975**
<p>*Methods of test for coal cokes: Part III determination of sulphur (first revision)  **Methods of test for coal and coke: Part IV Ultimate analysis, Sec 2  Determination of nitrogen.</p>					

IS, 539-1974

## APPENDIX A

(Table 1, Item (ii))

### DETERMINATION OF CRYSTALLIZING POINT

#### APPARTATUS

The apparatus of the shape dimensions and tolerance given in fig. 1, consists of the following:-

**Outer Glass Test Tube-** serves as an air jacket and is weighted with lead shots or a similar loading material. It is provided with a cork through which the inner tube (see A-1.2) is held in position.

**Inner glass Test Tube:-** fitted with a cork which carries a stirrer in the form of a loop of glass with a glass stem and the thermo-meter placed centrally within the tube and the glass loop. The bottom of the bulb of the thermometer shall be about 10 mm from the bottom of the inner glass test tube. The cork is so fixed that the immersion mark on the thermometer is in the level with the top of the cork.

**Cooling Bath-** 1000 ml beaker about 150 mm in height. The level of the cooling liquid in the bath shall be at the least as high as the level of the sample in the inner tube.

**Thermometer-** It shall be of the mercury-in-glass type, solid stem and filled with inert gas at suitable pressure. The stem shall be of lead glass or other suitable glass with enamel back. It shall further conform to the following requirement:

Range

65 to 90°C

Graduation	0.1°C
Immersion, mm	100 (from bottom of the bulb)
Overall length, mm, Max	400
Stem Diameter, mm	6 to 7
Bulb shape	Cylindrical
Bulb length, mm	15±5
Bulb diameter, mm	4.5 to 6.0
Length of main scale, mm, Min	220
Longer lines at each	0.5 and 1°C
Fully figured at each	2°C

#### **IS: 539-1974**

Expansion	Required to allow healing to 110°C
Top finish	Ring
Scale error not to exceed	±0.4°C
Use before first stability check Hours, max	500

#### **Details of test facilities available in India:-**

**1. MSME-Testing Centres** at Delhi, Mumbai, Kolkata, Chennai

**2. MSME- Testing Stations** at Jaipur, Bhopal, Hyderabad, Bangluru, Kolhapur, Puduchery, Ettumanur

**3. National Test House** at Kolkata, Mumbai, Chennai, Ghaziabad, Jaipur and Guwahati

## **(B) MARKET POTENTIAL**

It is a consumable product; hence it finds extensive application in cities. General awareness is improving in cleanliness and hence this product has got good scope for growth.

## **(C) IMPLEMENTATION SCHEDULE:**

The project implementation will take about Four months. The break-up of activities with relative time for each activity is as follows:

<b>Sr. No.</b>	<b>Activity</b>	<b>Estimated Time Period</b>
1.	Scheme preparation & approval	15 – 30 Days
2.	Registration under MSME Act 2006 and sanction of loan	30 Days
3.	Installation of plant and machinery	30 Days
4.	Commercial Production	15 Days

## **(D) BASIS AND PRESUMPTIONS:**

- a. The project is based on single shift of 8 hours per day and 300 working days per annum.
- b. The interest rate on the borrowed capital has been taken as 10 % per annum.
- c. The cost in respect of Raw Materials, Packing Materials has been taken at the time of preparation of project profile and may vary from place to place and time to time.
- d. The rental Value of production shed is taken as per the prevailing rates and may vary from place to place.
- e. The plant capacity utilization has been taken as 60 % for the first year, which may subsequently increase to 70%, 80% & 90 % in the second, third & fourth year respectively.

## **(E) MANUFACTURING CAPACITY**

- (a) Quantity : 180 MT
- (b) Value (Rs.) : 187.2Lakhs

## **(F) TECHNICAL ASPECTS:**

### **(1) MANUFACTURING PROCESS:**

Naphthalene flakes are fed into a jacketed vessel in which temperature is maintained at 88 ° C and an agitator stirs the material. When naphthalene melts, other ingredients like paraffin wax, camphor etc. are added and mixed thoroughly. The liquefied mass is fed into the china ball press or aluminum mold in automatic ball making machine.

After cooling the naphthalene balls are taken out and packed.

## (1.2) Safety Measures –

Special requirements are applicable for the production and storage of the raw materials, as well as the storage of the finished products. The main safety issues relate to the aromatic properties of Naphtha.

Special attention should be given to proper storage in tropical climates. Open flames and smoking must be strictly prohibited in production and storage areas. Local and Central (bulk) storage must comply with fire regulations regarding the type of cabinet and store, respectively. National safety guidelines and local legal requirements must be adhered for the storage of ingredients and the final product.

## (2) FIXED CAPITAL INVESTMENT

S.No.	Description	Value (Rs.)
(a)	<b>Land &amp; Building</b>	
	Total area 400 sq. Mtrs. on rent	15,000 Per month

<b>(b) Machinery &amp; Equipments</b>			
S.No	Description	Quantity	Value Rs.
1	Naphthalene balls making machine power operated	01 No.	1,50,000
2	MS jacketed vessels 100 ltr. capacity	01 No.	20,000
3	Heating arrangement - electric	01 No.	10,000
4	Storage Tanks 100 ltr. Capacity	03 Nos.	30,000
5	Office furniture, & miscellaneous		50,000
6	Laboratory Equipments		1,00,000
7	Pre operated expenses		40,000
8	Electrification and Installation @ 10%		40,000
	<b>Total</b>		<b>4,40,000</b>

### 3) WORKING CAPITAL REQUIREMENT:-

#### (a) Raw Materials per Month:

Sr. No.	Description	Quantity	Rate (Rs.)	Value (Rs.)
01.	Naphthalene flakes (technical grade)	14250 Kg	80/- per Kg	11,40,000/-
02.	Camphor (refined grade)	12 Kg	1000/- per Kg	12,000/-
03.	Paraffin Wax	800 Kg	100/- per Kg	80,000/-
04.	Phenolic compound	50 Kg	80/- per Kg	4,000/-
<b>Total</b>				<b>12,36,000/-</b>

#### (b) Packing Materials per Month:

Sr. No.	Description	Quantity (Nos.)	Rate (Rs.)	Value (Rs.)
01.	Packing material LDPE bags	1,50,000 Nos.	0.25/- per bag	37,500/-
02.	Corrugated boxes for packing of 10 Kg Naphthalene balls	1500 Boxes	25/- per box	37,500/-
<b>Total</b>				<b>75,000/-</b>

#### (c) Salary & Wages Per Month:

Sr. No.	Description	Nos.	Rate	Value (Rs.)
01.	Manager/ Supervisor / Chemist	01		self
02.	Unskilled labour	02	12,000	24,000
03.	Watchman/ MTS	01	10,000	10,000
			Total	34,000
	Perquisites @ 15 %			5100/-
<b>Total</b>				<b>39,100/-</b>

**(d) Utilities Per Month :**

Sr. No.	Description	Qty	Rate	Value (Rs.)
01.	Power	1000 K.W.	Rs.7.50/unit	7,500/-
02.	Water			1,000/-
<b>Total</b>				<b>8,500/-</b>

**(e) Other Expenses Per Month :**

Sr. No.	Description	Value (Rs.)
01.	Rent	15,000
02.	Telephone/Internet	1,200
03.	Marketing & Traveling Expenses	5,000
04.	Other Misc. Expenses	5,000
<b>Total</b>		<b>26,200</b>

**(f) Working Capital for One Month:**

<b>Sr. No.</b>	<b>Description</b>	<b>Value (Rs.)</b>
01.	Raw Materials	12,36,000/-
02	Packing Material	75,000/-
03	Salary & Wages	39,100/-
04	Utilities	8,500/-
04.	Other Expenses	26,200/-
	<b>Total</b>	<b>13,84,800/-</b>

**(g) Working Capital for three month**

Rs. 41,54,400/-

**Say Rs.41,55,000/-**

**(4) CAPITAL INVESTMENT**

(a) Fixed Capital Rs.4,40,000/-

(b) Working capital for three month Rs.41,55,000/-

**Total: Rs.45,95,000/-**

**(G) FINANCIAL ANALYSIS:**

**(a) COST OF PRODUCTION PER ANNUM :**

<b>S. No.</b>	<b>Description</b>	<b>Value (Rs.)</b>
01.	Recurring expenditure	1,66,20,000/-
02.	Depreciation on Machinery & Equipment's @ 10% p.a.	25,000/-
03.	Depreciation on Testing equipment's /furniture/ fire fighting equipment's @ 25% p.a.	37,500/-
04.	Interest on capital investment @ 10 % p.a.	4,59,500/-
	<b>Total</b>	<b>1,71,42,000</b>
	<b>Or say</b>	<b>1,71,42,000/-</b>

**(b) TURNOVER PER ANNUM**



S.No.	Particulars	Qty.	Rate (Rs.)	Value (Rs.)
1.	By sale of naphthalene ball	180 MT	1,04,000/- per MT	1,87,20,000/-
			<b>Total</b>	1,87,20,000/-

**(c) NET PROFIT PER YEAR :**

$$\begin{aligned}
 \text{Net Profit} &= \text{Total turnover} - \text{Total cost of production Rs.} \\
 &= 1,87,20,000/- - 1,71,42,000/- \\
 &= \text{Rs. 15,78,000/-}
 \end{aligned}$$

**(d) PROFIT RATIO ON SALES :**

$$\begin{aligned}
 \text{Profit Ratio on Sales} &= \frac{\text{Net Profit}}{\text{Total turnover}} \times 100 \\
 &= \frac{15,78,000}{1,87,20,000/-} \times 100 \\
 &= \text{8.42 \%}
 \end{aligned}$$

**(e) RATE OF RETURN (ROR) ON TOTAL CAPITAL INVESTMENT:**

$$\text{ROR} = \frac{\text{Net Profit per annum}}{\text{Total Capital Investment}} \times 100$$

$$\begin{aligned}
 & \text{Total Capital Investment} \\
 & \mathbf{15,78,000} \\
 = & \frac{\text{-----}}{45,95,000} \times 100 \\
 & = \mathbf{34.34 \%}
 \end{aligned}$$

**(H) BREAK EVEN ANALYSIS:**

**(i) FIXED COST :**

<b>Sr. No.</b>	<b>Description</b>	<b>Amount (Rs.)</b>
01.	Depreciation on Machinery & Equipment's	25,000/-
02.	Depreciation on Testing equipment's /furniture/ firefighting equipment's	37,500/-
03.	Interest on Total Capital Investment	4,59,500/-
04.	40 % of Salary & Wages	1,87,680/-
05.	40 % of Other Expenses	1,25,760/-
06.	40 % Utility	40,800/-
07.	Rent	1,80,000/-
	<b>Total</b>	<b>10,56,240/-</b>

**(ii) BREAK EVEN POINT (B.E.P.) :**

$$\begin{aligned}
 & \text{Fixed Cost} \\
 \text{B.E.P.} & = \frac{\text{-----}}{\text{Fixed Cost} + \text{Profit}} \times 100 \\
 & \frac{10,56,240/-}{10,56,240 + 15,78,000} \\
 & = \mathbf{40.09 \%}
 \end{aligned}$$



**(I) NAME AND ADDRESSES OF RAW MATERIAL SUPPLIERS:-**

<b>SR.</b>	<b>DESCRIPTION</b>
<b>1</b>	<b>M/s. Himadri Specialty Chemicals Ltd., Ruby House, India exchange place second floor, Kolkata 700001</b>
<b>2</b>	<b>M/s. Manish Minerals and Chemicals, Office No. 2/205, Second floor, Eastern Court, Chembur, Mumbai 400071</b>
<b>3</b>	<b>Cosmic Chemical A/421/1, Siddhi Vinayak Business Towers Nr. Katariya Motors, B/h. DSP Comm. Office, Makerba, S.G. Highway, Makarba, Ahmedabad, Gujarat - 380051, India</b>
<b>4</b>	<b>Narmada Chemicals Bandel Bazar, New Ghera Bagan, Near Prakash Oil Mill, Kolkata, Hooghly, West Bengal,</b>

**(J) NAME AND ADDRESSES OF MACHINERY SUPPLIERS:-**

<b>Sr.</b>	<b>DESCRIPTION</b>
<b>1.</b>	<b>M/s Mahindra Vijay Engineering Company, 13, Harshad estate, Opposite Ice Factory, Ahmadabad 380023 (Gujarat)</b>
<b>2.</b>	<b>M/s. Falcon Machineries, Plot No. 5317, phase 4, Near Ramol Police Chowky Cross Road, Vatva GIDC, Ahmadabad 382445(Gujarat)</b>
<b>3.</b>	<b>M/sSre Latha Engineering Works, G Santosh Narayana No. 10 – R Raja Mills Road, Madurai Main, Madurai 625001 (Tamil Nadu)</b>
<b>4</b>	<b>Machine world B No. 79B, Matheswartala Road, Kolkata - 700046, West Bengal, India</b>

**Schemes and consultancy Services**

Existing schemes available and their details

**I. Financial Scheme:-**

**A. PMEGP-**

- To generate employment opportunities in rural and urban areas of the country through setting up of new self employment projects / micro enterprises in nonfarm sector.
- To provide continuous and sustainable employment to all segments of traditional and prospective artisans and rural / urban unemployed youth in the country, so as to help arrest migration of rural youth to urban areas.
- To increase the wage-earning capacity of artisans and contribute to increase in the growth rate of rural and urban employment.
- The maximum cost of the project/unit eligible: Rs. 25 lakhs in case of manufacturing sector and Rs. 10 lakhs in case of business/service sector.
- Subsidy under PMEGP (of project cost)//General category 15%. (Urban), 25%(Rural)/Special Category (including SC/ ST/ OBC/ Minorities/Women, Ex-servicemen, Physically handicapped, NER, Hill and Border areas, etc.): 25%(Urban),35%(Rural).
- Second financial assistance up to Rs. 1.00 crore available for existing and better performing PMEGP/ MUDRA/REGP registered units for expanding/up grading existing units with subsidy of 15% (20% in NER/Hilly States)  
(Source- e book on DC MSME website)

#### **B. SFURTI-**

- To organize the traditional industries and artisans into clusters in order to make them competitive and provide support for their long- term sustainability
- The Govt assistance for various clusters: Regular Clusters (up to 500 artisans) – up to ₹ 2.50 cr. per cluster; Major Clusters (more than 500 artisans) – up to ₹ 5.00 cr. per cluster
- Corporate and Corporate Social Responsibility (CSR) foundations with expertise in cluster development are encouraged to participate as Implementing Agencies. In case where a private sector entity is the IA, it shall contribute at least 50% of total project cost excluding the cost of land.  
(Source- e book on DC MSME website)

#### **C. MLUPY, Govt. of Rajasthan-**

- This scheme has been launched with the objective of providing subsidized loans through banks to facilitate the establishment of enterprises in the state and to provide new employment opportunities to all sections of the society.

- **Financial Institutions**

Under the scheme, loans will be provided for manufacturing, service and business enterprises through financial institutions like (Nationalized Commercial Bank, Private Sector Scheduled Commercial Bank, Scheduled Small Finance Bank, Regional Rural Bank, Rajasthan Financial Corporation and SIDBI).

- **Type of Enterprise**

Along with newly established enterprises, pre-established enterprise will also be eligible for expansion / diversification / modernization projects.

- **Applicants**

Under the scheme Individual applicants as well as institutional applicants (self-help groups / societies / partnership firms / LLP firms / companies) will also be eligible. The establishment of the enterprise under the scheme will be Rajasthan State. The minimum age of the individual applicant shall be 18 years or more.

- **Loan Amount**

Under the scheme, loan up to Rs. 10 crore will be available. The maximum limit of loan for business will be Rs. 1 crore. The nature of the loan will be composite loan, term loan and working capital (including CC Limit). As per RBI guidelines, collateral security will not be needed on loans upto Rs. 10 lakh.

- **Interest Subsidy**

The Interest Subsidy will be granted to the beneficiaries on the loan provided by banks which will be payable as follows for five years:

S.N o.	Maximum Loan Amount	Interest Subsidy
1.	Up to 25 Lakh	8%
2.	25 Lakh to 05 Crore	6%
3.	05 Crore to 10 Crore	5%

(Source- <https://industries.rajasthan.gov.in/>)

#### D. MUDRA Scheme-

- Pradhan Mantri MUDRA Yojana (PMMY) is a scheme launched by the Hon'ble Prime Minister on April 8, 2015 for providing loans up to 10 lakh to the non-corporate, non-farm small/micro enterprises. These loans are classified as MUDRA loans under PMMY. These loans are given by Commercial Banks, RRBs, Small Finance Banks, MFIs and NBFCs. The borrower can approach any of the lending institutions mentioned above or can apply online through this portal [www.udyamimitra.in](http://www.udyamimitra.in). Under the aegis of PMMY, MUDRA has created three products namely 'Shishu', 'Kishore' and 'Tarun' to signify the stage of growth / development and funding needs of the beneficiary micro unit / entrepreneur and also provide a reference point for the next phase of graduation / growth.

(Source- <https://www.mudra.org.in/>)

#### E. The north East Industrial development Scheme, 2017

1. Central Capital Investment subsidy @30% subject to a ceiling of Rs. 5 Cr
2. Central Interest Incentive on working capital @3% for a period of 5 years.

3. Reimbursement of 100% Insurance premium for a period of 5 years.
4. Reimbursement of CGST and IGST for a period of 5 years.
5. Income Tax reimbursement of first 5 years.
6. Transport Incentives
  - (a) Reimbursement of 20% cost of transportation through Railway.
  - (b) Reimbursement of 20% cost of Transportation through Inland waterways.
  - (c) Reimbursement of 33% cost of transportation through Air.
7. Additional 3.67 % of the employer's contribution towards EPF in addition to 8.33 % contribution made by GOI. The total benefits from all the incentives put together shall be limited to the total investment in plant and machinery subject to a maximum limit of Rs.200 Cr.

(Source- Industrial and Investment Policy of Assam, 2019)

#### **F.- Chief Minister Employment Generation Programme (CMEGP) –**

Government of Maharashtra will launch a new employment-generation programme (Chief Minister Employment Generation Program / CMEGP) targeting unemployed youth. The scheme is aimed at motivating local youth towards selfemployment by extending easy and accessible bank finance. The scheme shall cover manufacturing as well as service sector units. The Industries Department of Government of Maharashtra shall be the nodal agency for implementing the scheme. Under the scheme eligible persons aged between 18 and 45 years will be trained and promoted for self-employment for which equity to be converted into back end subsidy, which will be provided by State Government against bank loans. The project cost will be up to a maximum of INR 50 lakh under manufacturing sector and INR 10 lakh under business/ service sector. State Government will provide budgetary support through scheme expenditure & if necessary in proportion of beneficiaries from Special Component Plan (SCP) & Tribal Sub Plan (TSP) & Women & Child Development Department.

(Source- Maharashtra New Industrial Policy, 2019)

#### **G. INDUSTRIAL INCENTIVES :-**

The Telangana State Government is committed to encourage the process of industrialization by making various kinds of incentives available to entrepreneurs. The Telangana State Government also assures an entrepreneur-friendly and graft-free regime of disbursing the incentives. The Telangana State Government guarantees that the incentives will be released on time, and direct to the respective bank accounts. There will be a transparent online application system; the process will involve minimal human interaction. There are enhanced incentive packages available for Scheduled Castes, Scheduled Tribes, physically handicapped, and women entrepreneurs. Mega Projects with an investment of over Rs.200 crores in plant and machinery or employment above 1000 persons will receive tailor-made incentives in addition to standard large

category industry incentives. The Telangana State Government has considered providing incentives to the entrepreneurs in the following areas under its T-IDEA (Telangana State Industrial Development and Entrepreneur Advancement) incentive scheme:

- Stamp duty reimbursement
- Land cost rebate
- Land conversion cost
- Power cost reimbursement
- Investment subsidy
- VAT reimbursement
- Interest subsidy
- Seed capital for 1st generation entrepreneur
- Training and skill development cost reimbursement
- Quality/patent support
- Clean production measures
- Reimbursement of infrastructure development costs

Details of general and sector-specific incentives will be issued through Government Orders from time to time and publicized on the website and through other means. While providing incentives to upcoming industries, the Government will also ensure that the existing industries are also benefitted.

## **II. Technological Assistance:-**

### **A. CLCSS-**

- Induction of established and improved technologies.
- 15% Subsidy on institutional credit upto Rs 1.00 crore with a subsidy cap of Rs.15.00 lakh.
- The objective of CLCS component of CLC-TUS is to facilitate technology to MSEs through institutional finance for induction well established and proven technologies in the specific sub-sector/products approved under the scheme:
- (a)Upfront subsidy of 15% on institutional credit up to Rs. 1.0 crore (i.e. a subsidy cap of Rs. 15.00 lakh) for identified sectors/subsectors/ technologies.
- (b)Flexibility for review of the identified technologies/ subsectors also exists.
- (c)Presently scheme is being implemented through 11 nodal banks/agencies, however, almost all Commercial Banks, Pvt. Banks & RRBs are acting as PLI through these 11 nodal banks/agencies {SIDBI, NABARD, SBI, Andhra Bank, PNB, BoB, Canara Bank, Corporation Bank, Indian Bank, Bank of India, & TIICL}.
- (d) In order to ensure fair inclusion of SC/ST category, women entrepreneurs and entrepreneurs from NER, Hill States (Jammu & Kashmir, Himachal Pradesh & Uttarakhand) Island Territories (Andaman & Nicobar and Lakshadweep) and the identifies Aspirational Districts/LWE Districts, the subsidy has also been



proposed to be admissible also for investment in acquisition/replacement of plant & machinery/equipment & technology up-gradation of any kind.

## **B. International Co-operational Scheme-**

financial assistance is provided on reimbursement basis to the eligible State /Central Government Organizations and Registered Industry Associations, societies /trusts associated with promotion and development of MSME sector for visit /participation of MSMEs in international exhibitions /trade fairs/buyer-seller meet etc. abroad and also holding International conferences/seminars/workshops in India, for technology infusion, exploring business opportunities, joint ventures etc

### **Details of agencies that can provide guidance (CSIR, MSME TCs, Sector councils, etc.)**

- A. MSME-Development Institutes
- B. MSME-Technology Centre
- C. KVIC (Khadi and Village Industries Commission)
- D. District Industrial Centre

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