



**Government of India  
Ministry of MSME**

## **Brief Industrial Profile of South Goa District**



सूक्ष्म, लघु एवं मध्यम उद्यम  
MICRO, SMALL & MEDIUM ENTERPRISES

Carried out by

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# **Brief Industrial Profile of South Goa District**

## **1. General Characteristics of the District:**

### **1.1 Location & Geographical Area.**

Goa is one of the tiny states of the Indian Union. Goa got liberated from the Portuguese regime in 1961 and attained statehood in 1987. Goa was included as twenty-fifth state of India. Goa state has two districts namely North Goa District and South Goa District.

South Goa District covers the entire southern part of Goa state. Arabian sea is to the west; North Goa district to the North; and Uttar Kannada district of Karnataka in the East and South. South Goa is situated between the latitudinal parallels of 15 de gree 29' 32" N and 14 de gree 53' 57" N and longitudinal parallels of 73degree 46' 21" E and 74 de gree 20' 11" E. South Goa District spans a distance of 86 kms from North to South and 40 kms from East to West. The total geographical area of the district is 1966 sq kms.

Margao, also known as Commercial Capital of Goa, houses the Headquarters of South Goa District, headed by a Collector. South Goa is divided into 5 talukas for administrative convenience, viz., Salcete, Quepem, Canacona, Sanguem & Mormugao (Vasco-da-Gama)- geographically, Sanguem being the largest taluka & Mormugao being the smallest one. Very recently, one more taluka known as Dharbandora is carved out, dividing the Sanguem Taluka.

### **1.2 Topography:**

Goa is a part of Konkan Region. Sahyadri Mountains are to the east of South Goa. This part is covered with dense forest. In this area, some of the mountains are very steep. Chandranath at Paroda, Dudhsagar in Sanguem taluka and Cormolghant in Canacona taluka are the Peaks in South Goa. Many streams and rivers flow from this region to low lands. Zuari, Talpona, Sal and Galgibag are the rivers flowing in South Goa. Rivers are used for transportation. Inland waterways play an important role in transport of mineral ores from the mining sites in Sanguem taluka such as Costi, Kirpal, Netravalim, Rivona, Ducorcond and Kuddegal to the Mormugao harbour for export.

Goa is well connected by road, rail, and air ways. National highways N.H.4A, N.H.17, traverse through the South Goa District. International Airport at Dabolim, which is one of the few ports having the facility for landing chartered flights, is in South Goa.

Being along the Coastal Belt, the climate is warm and humid. The District receives rainfall from the South-west monsoon during June-September ranging from 3000 to 3400 mm. The temperature ranges from 17 °C to 36 °C during summer months.

### 1.3 Availability of Minerals.

| S.NO.         | NAME OF MINERAL | PRODUCTION (lakh tons)<br>(2009) |
|---------------|-----------------|----------------------------------|
| MAJOR MINERAL |                 |                                  |
| 1.            | Iron Ore        | 248.50                           |
| MINOR         |                 |                                  |
| 1.            | .Manganese ore  | 0.01                             |
| 2.            | Bauxite         | 4.63                             |
| 3.            | All Minerals    | 253.14                           |

Source:- Directorate of Planning & Stat

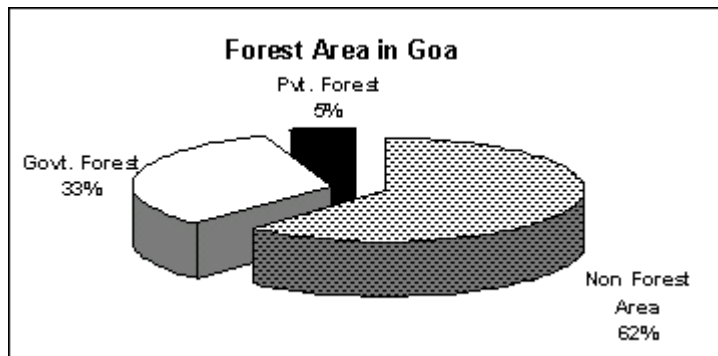
### 1.4 Forests in Goa:

Out of the total geographical area of 3702 sq km about 1424.46 sq km constitutes the forest. Of this 1224.46 sq km has been classified as government forest and the rest private forests. Of this South Goa Distrcit accounts for 870 sq. kms of forest area.

#### EXTENT

|                             |                   |
|-----------------------------|-------------------|
| Geographical Area (sq. km.) | : 3702.00         |
| Forest Area (sq. km. )      | : 1424.46         |
| Government Forest (sq. km.) | : 1224.46         |
| Private Forest (sq. km.)    | : 200.00, approx. |

#### Forest Area of Goa- District Wise



**Taluka-wise area statement of South Goa District**

| Goa Districts (Taluka) | Geographical area in ha | Forest Area in ha. |
|------------------------|-------------------------|--------------------|
| Salcete                | 27,719                  | 8.00               |
| Marmagao               | 7,831                   | -                  |
| Quepem                 | 43,731                  | 11490.73           |
| Sanguem                | 88,660                  | 56924.83           |
| Canacona               | 34,736                  | 18581.79           |

| Name of District | Area (sq. km) |
|------------------|---------------|
| North Goa        | 354.48        |
| South Goa        | 869.98        |

**1.5 Administrative set up:**

The District Administration is headed by the District Collector, headquartered at Margao. He is assisted by two Additional Collectors and Deputy Collectors. There are three sub divisions and five Talukas in the South Goa District. There are three sub divisions and five Talukas in the South Goa District. Very recently, a new taluka known as Dharbandora is created, making the total no. of talukas of South Goa District to 6. The District is further divided into 5 Development Blocks, each headed by a Block Development Officer (BDO).

The Administrative Set up is given in the following table:

| <b>District/Div/Taluka</b> | <b>Authorities</b>                    | <b>Office Name and Address</b>  |
|----------------------------|---------------------------------------|---|
| <b>District</b>            |                                       |   |
| South Goa                  | Collector and District Magistrate     | South Goa Collectorate, Margao  |
|                            | Addl. Collector -I                    |   |
|                            | Addl. Collector - II                  |   |
|                            | Dy. Collector(Revenue)                |   |
|                            | Dy. Collector/DRO                     |   |
|                            | Dy. Collector(Rent Control)           |   |
|                            | Dy. Collector(Land Acq)               |   |
| <b>Sub-Divisions</b>       |                                       |   |
| Margao                     | Sub Divisional Officer/ Dy. Collector | O/o Sub Divisional Officer, South Goa Collectorate Bldg, 4th Floor, Margao, Goa |
| Quepem                     | Sub Divisional Officer/Dy. Collector  | O/o Sub Divisional Officer, Quepem, Goa   |
| Mormugao                   | Sub Divisional Officer/Dy. Collector  | O/o Sub Divisional Officer, Mormugao, Goa.                                      |
| Canacona                   | Sub Divisional Officer/Dy. Collector  | O/o Sub Divisional Officer, Canacona, Goa.                                      |
| Dharbandora                | Sub Divisional Officer/Dy. Collector  | O/o Sub Divisional Officer, Dharbandora, Goa.                                   |
| <b>Talukas</b>             |                                       |   |
| Salcete                    | Mamlatdar                             | O/o Mamlatdar Salcete, Margao, Goa  |
| Mormugao                   | Mamlatdar                             | O/o Mamlatdar Mormugao, Vasco, Goa.   |
| Quepem                     | Mamlatdar                             | O/o Mamlatdar Qupem, Quepem, Goa  |
| Sanguem                    | Mamlatdar                             | O/o Mamlatdar Sanguem, Sanguem, Goa.  |
| Canacona                   | Mamlatdar                             | O/o Mamlatdar Canacona, Canacona, Goa   |
| Dharbandora                | Mamlatdar                             | O/o Mamlatdar Dharbandora, Dharbandora, Goa.                                    |

**DEVELOPMENT :**

| <b>District/Block</b> | <b>Authorities</b>        | <b>Office Name &amp; Address</b>       | <b>Phone Numbers</b> |
|-----------------------|---------------------------|--|----------------------|
| <b>District</b>       |                           |  |                      |
| South Goa Z.P.        | Chief Executive Officer   | Zilla Panchayat, Arlem, Raia, Salcete. | 2741966              |
| <b>Block</b>          |                           |  |                      |
| Salcete               | Block Development Officer | O/o B.D.O. Salcete, Margao, Goa.       | 2714869              |
| Mormugao              | Block Development Officer | O/o B.D.O. Mormugao, Mormugao, Goa.    | 2510638              |
| Quepem                | Block Development Officer | O/o B.D.O. Quepem, Goa.                | 2662229              |
| Sanguem               | Block Development Officer | O/o B.D.O. Sanguem, Sanguem, Goa.      | 2604252              |
| Canacona              | Block Development Officer | O/o B.D.O. Canacona, Canacona, Goa.    | 2643338              |

## 2. District at a glance

| S.No     | Particular                    | Year  | Unit    | Statistics |
|----------|-------------------------------|---|---------|------------|
| <b>1</b> | <b>Geographical features</b>  |   |         |            |
| (A)      | Geographical Data             |   |         |            |
|          | i) Latitude                   | 15 degree 29' 32" N and 14 degree 53' 57" N |         |            |
|          | ii) Longitude                 | 73degree 46' 21" E and 74 degree 20' 11" E. |         |            |
|          | iii) Geographical Area        | 2012  | Sq. Kms | 1996       |
| (B)      | Administrative Units          |   |         |            |
|          | i) Sub divisions              | 2012  | Nos     | 03         |
|          | ii) Talukas                   | 2012  | Nos     | 06         |
|          | iii) Inhabited Villages       | 2010  | Nos     | 347        |
|          | iv) Muncipal towns            | 2010  | Nos     | 07         |
|          | v) Assembly Area              | 2011  | Nos     | 01         |
| 2.       | Population                    |   |         | 639962     |
| (A)      | Sex-wise                      |   |         |            |
|          | i) Male                       | 2011  | Persons | 323175     |
|          | ii) Female                    | 2011  | Persons | 316787     |
|          | iii) Literates                | 2011  | Persons | 492305     |
| (B)      | Rural Population              | 2011  | Persons | 226373     |
| 3.       | Agriculture                   |   |         |            |
| A.       | Land utilization              |   |         |            |
|          | i) Total Area                 | 2011  | Sq. km  | 1966       |
|          | ii) Forest cover              | 2011  | Sq. Km  | 870        |
|          | iii) Net Area Shown           | 2010  | Ha      | 51679      |
|          | iv) Area shown more than once | 2010  | Ha      | 9325       |
|          | v) Gross cropped area         | 2010  | Ha      | 61004      |
| 4.       | Forest                        |   |         |            |
|          | (i) Forest                    | 2011  | Sq. Km  | 870        |
| 5.       | Livestock & Poultry           |   |         |            |
| A.       | Cattle                        |   |         |            |
|          | i) cattle                     | 2007  | Nos.    | 33135      |
|          | ii) Buffaloes                 | 2007  | Nos.    | 14160      |
| B.       | Other livestock               |   |         |            |
|          | i) Goats                      | 2007  | Nos.    | 4107       |
|          | ii) Pigs                      | 2007  | Nos.    | 47261      |
|          | iii) Poultry (backyard)       | 2007  | Nos.    | 84793      |
|          | iv) Poultry (in farms)        | 2007  | Nos     | 74714      |
|          | iv) Railways                  |   |         |            |
|          | i) Length of rail line        | 2010  | Kms     | 100        |



|   |                    |                         |                        |
|---|--------------------|-------------------------|------------------------|
| V) Roads                                    |                    |                         |                        |
| (a) Surface Roads<br>(Water Bound Macadem)  | 2010               | Kms                     | 257                    |
| (b) Surface Roads<br>(Black Topped)         | 2010               | Kms                     | 630                    |
| (c) Unsurfaced Road<br>Cement Concrete      | 2010               | Kms                     | 1                      |
| (d) Unsurfaced Road Motorable               | 2010               | Kms                     | 453                    |
| (e) Unsurfaced Road Motorable               | 2010               | Kms                     | 300                    |
| (VI) Communication                          |                    |                         |                        |
| (a) Telephone<br>connection                 | 2009               | Nos                     | 69815                  |
| (b) Post offices                            | 2010-11            | Nos.                    | 96                     |
| (b) Telephone<br>exchanges                  | 2010-11            | Nos.                    | 52                     |
| (d) Density of Telephone                    | 2010-11            | Nos./<br>1000<br>person | 125                    |
| (e) Density of Telephone                    | 2010-11            | No.<br>per<br>KM.       | 40                     |
| (f) PCO Rural                               | 2010-11            | No.                     | 3229                   |
| (g) PCO STD                                 | 2010-11            | No.                     |                        |
| (h) Mobile (BSNL)                           | Up to<br>Dec. 2010 | No.                     | 179927<br>(for<br>Goa) |
| (VII) Public Health                         |                    |                         |                        |
| (a) No. of Govt. Hospitals                  | 2008-09            | No.                     | 8                      |
| (b) Beds Govt. Hospitals                    | „                  | No.                     | 636                    |
| (c) No. of Private Hospitals                | „                  | No.                     | 52                     |
| (d) No. of Beds in Private Hospitals        | „                  | No.                     | 1181                   |
| (e) Community health centers                | „                  | No.                     | 2                      |
| (f) Primary health centers                  | „                  | No.                     | 120                    |
| (g) Dispensaries                            | „                  | No.                     | 9                      |
| (VIII) Banking commercial                   |                    |                         |                        |
| (a) PSU Banks                               |                    | Nos.                    | 149                    |
| (b) rural Bank Products                     |                    | Nos.                    | --                     |
| (c) Co-Operative bank products              |                    | Nos.                    | 21                     |
| (d) Private Banks                           |                    | Nos.                    | 36                     |
| (IX) Education                              |                    |                         |                        |
| (a) Primary school                          |                    | Nos.                    | 1252                   |
| (b) Middle schools                          |                    | Nos.                    | 438                    |
| (c) Secondary & senior secondary<br>schools |                    | Nos.                    | 375                    |
| (d) Colleges                                |                    | Nos.                    | 24                     |
| (e) Technical University                    |                    | Nos.                    | -                      |

Note: Data pertains to the state of Goa as whole

## 2.1 Existing Status of Industrial Areas in the South Goa District

| S. No. | Name of Ind. Area | Land acquired (In . Ha) | Land developed (In hectare) | Prevailing Rate Per Sq.m (In Rs.) | No of Plots | No of allotted Plots | No of Vacant Plots | No. of Units in Production |
|--------|-------------------|-------------------------|-----------------------------|-----------------------------------|-------------|----------------------|--------------------|----------------------------|
| 1      | Verna             | 689.54                  | 689.54                      |                                   |             |                      |                    |                            |
| 2      | Shiroda           | 10.51                   | 10.51                       |                                   |             |                      |                    |                            |
| 3      | Sancoale          | 42.00                   | 42.00                       |                                   |             |                      |                    |                            |
| 4      | Cuncolim          | 97.23                   | 97.23                       |                                   |             |                      |                    |                            |
| 5      | Canacona          | 14.33                   | 14.33                       |                                   |             |                      |                    |                            |
| 6      | Margao            | 29.25                   | 29.25                       |                                   |             |                      |                    |                            |
| 7      | Sanguem           | 49.88                   | 49.88                       |                                   |             |                      |                    |                            |
| 8      | Betul             | 88.35                   | 88.35                       |                                   |             |                      |                    |                            |
|        | <b>Total</b>      | <b>1021.09</b>          | <b>1021.09</b>              |                                   |             |                      |                    |                            |

Source:- Goa-IDC

Note: Rest of the information is yet to be received as on 30/08/2012

### 3. Industrial Scenario of South Goa District

#### 3.1 Industry at a Glance

| Sr No | Head  | Unit    | Particulars |
|-------|---|---------|-------------|
| 1.    | REGISTERED INDUSTRIAL UNIT  | NO.     | 2940        |
| 2.    | TOTAL INDUSTRIAL UNIT   | NO.     | 51,492*     |
| 3.    | REGISTERED MEDIUM & LARGE UNIT  | NO.     | 75          |
| 4.    | ESTIMATED AVG. NO. OF DAILY WORKER EMPLOYED IN SMALL SCALE INDUSTRIES | NO.     | 7           |
| 5.    | EMPLOYMENT IN LARGE AND MEDIUM INDUSTRIES                             | NO.     | 16,268      |
| 6.    | NO. OF INDUSTRIAL AREA  | NO.     | 6           |
| 7.    | TURNOVER OF SMALL SCALE IND.  | IN LACS | 464177**    |
| 8.    | TURNOVER OF MEDIUM & LARGE SCALE INDUSTRIES                           | IN LACS | NA          |

\* For the State of Goa as per IV Census of MSMEs

\*\* at 2009-10 current prices

**3.2 YEAR WISE TREND OF UNITS REGISTERED UNITS**

|  | YEAR          | NUMBER OF REGISTERED UNITS | EMPLOYMENT    | INVESTMENT (lakh Rs.) |
|--|---------------|----------------------------|---------------|-----------------------|
|  | Up to 1984-85 | 2310                       | 18042         | 3547.44               |
|  | 1985-86       | 282                        | 1415          | 288.72                |
|  | 1986-87       | 315                        | 1705          | 392.61                |
|  | 1987-88       | 364                        | 1495          | 854.97                |
|  | 1988-89       | 331                        | 1781          | 942.33                |
|  | 1989-90       | 322                        | 1698          | 1167.80               |
|  | 1990-91       | 196                        | 1192          | 872.76                |
|  | 1991-92       | 224                        | 1131          | 929.05                |
|  | 1992-93       | 214                        | 1213          | 993.02                |
|  | 1993-94       | 229                        | 1246          | 1273..00              |
|  | 1994-95       | 208                        | 1124          | 975.46                |
|  | 1995-96       | 123                        | 1094          | 1204.31               |
|  | 1996-97       | 160                        | 1336          | 2322.20               |
|  | 1997-98       | 210                        | 2262          | 2653.36               |
|  | 1998-99       | 277                        | 2698          | 3491.55               |
|  | 1999-2000     | 184                        | 1365          | 2350.49               |
|  | 2000-01       | 208                        | 1514          | 1863.94               |
|  | 2001-2002     | 312                        | 1911          | 2436.57               |
|  | 2002-03       | 245                        | 1941          | 1708.71               |
|  | 2003-04       | 138                        | 892           | 1028.62               |
|  | 2004-05       | 102                        | 760           | 1455.83               |
|  | 2005-06       | 106                        | 752           | 912.56                |
|  | 2006-07       | 45                         | 558           | 1140.79               |
|  | 2007-08       | 57                         | 892           | 1282.56               |
|  | 2008-09       | 76                         | 1375          | 3342.13               |
|  | 2009-10       | 112                        | 2322          | 6919.80               |
|  | 2010-11       | 88                         | 1603          | 4519.45               |
|  | <b>Total</b>  | <b>7438</b>                | <b>55,317</b> | <b>50870.03</b>       |

Source: DIC -----

### 3.3 DETAILS OF EXISTING MICRO & SMALL ENTERPRISES AND ARTISAN UNITS IN THE DISTRICT AS ON 31/12/2012

| SL. No.       | Product Group  | No. of units |
|---------------|--|--------------|
| 1.            | Food Products  | 483          |
| 2.            | Beverages & Tobacco products                           | 213          |
| 3.            | Jute, hemp & Mesta Textile                             | 5            |
| 4.            | Textile Products & Garments                            | 77           |
| 5.            | Wood Products & Wooden Furniture, Fixture              | 198          |
| 6.            | Paper Products including Printing/publishing           | 249          |
| 7.            | Leather & Leather Products                             | 8            |
| 8.            | Rubber, Plastic, Petroleum and coal products           | 251          |
| 9.            | Chemical Products (except Petroleum and coal products) | 161          |
| 10.           | Non Metallic Minerals                                  | 247          |
| 11.           | Basic Metal & Alloys                                   | 81           |
| 12.           | Metal Products & parts (except M/c. & transport eqpt.) | 386          |
| 13.           | Machinery, Tools & Parts (except & electrical m/c.)    | 37           |
| 14.           | Electrical Machinery & Apparatus & Supplier Parts      | 171          |
| 15.           | Transport Equipment & Parts                            | 74           |
| 16.           | Other Mfg. Industries                                  | 95           |
| 17.           | Repair/Services  | 204          |
| <b>Total:</b> |  | <b>2,940</b> |

### **3.4 Large Scale Industries / Public Sector undertakings**

List of Major units in the District

1. Goa Ship Yard Ltd. Vasco-da-Gama
2. Marmugao Port Trust, Vasco-da-Gama
3. Chowgule Industries, Ltd,
4. Zuari Industries Ltd. Zuari nagar, Goa
5. Goa Carbon Ltd. St. Jose de Areal, Goa
6. IFB Industries Ltd, Verna-Goa
7. Marmugoa Steels Ltd, Curtorim, Goa
8. Siemens Ltd, Verna Indl. Estate
9. Kodak India Ltd, Verna Indl. Estate
10. Indoco Remedies Ltd, Verna Indl. Estate
11. Pentair Water India, Verna Indl. Estate
12. Duraline India, Verna Indl. Estate
13. Aventis Pharma, Verna Indl. Estate
14. Prince Multi Plast, Verna Indl. Estate
15. Wyeth Ltd, Verna Indl. Estate
16. Abbot Industries Ltd., Verna Indl. Estate
17. Colcona Asia Pvt. Ltd., Verna Indl. Estate
18. Watson Pharma Pvt. Ltd., Verna Indl. Estate
19. Lupin Ltd., Verna Indl. Estate
20. Microlabs Ltd., Verna Indl. Estate
21. Cipla Ltd., Verna Indl. Estate
22. Ratio Pharma India Pvt. Ltd., Verna Indl. Estate

### **3.5 Major Exportable Item**

1. Iron ore
2. Pharmaceutical Formulations
3. Electronics and Communication Devices
4. Medical Equipments
5. Container cargo
6. Swimming Pool equipments

### 3.6 Growth Trend

In the state of Goa Iron ore and Pharmaceutical Formulations are the major items of export. During the financial year 2011-2012 the MPT handled 29.37 million tonnes of iron ore including iron ore pellets, 7.21 million tonnes of coal/coke and 1.39 million tonnes of petroleum products and other liquid cargo.

In Pharmaceutical Formulations sector the export was Rs.200 crores in the year 2002-03 and has grown to Rs. 5,000 crores with the total employment of 8,800 people and with the total turnover of Rs.10,000 crores.

### 3.7 Vendorisation / Ancillarisation of the Industry

| SI No | Name of the Parent Company         | Ancillary Products Procured  |
|-------|------------------------------------|--|
| 1     | IFB Industries, Verna Indl. Estate | Rubberized & plastic components, Electroplating, powder coating, corrugated boxes, pressed & turned components, shearing jobs, wiring harness, packaging material, indicator lamp assembly, cast machine parts, & consumables  |
| 2     | Mormugoa Port Trust, Vasco da-Gama | Conveyor parts, machined components, electronic capacitors, steel fabrications, Galvanizing, flexible packaging material, glass ampoules, plastic bottles, consumables   |
| 3     | Zuari Industries Ltd. Zuarinagar   | Polypropylene bags, HDPE laminations, Fabricated & machined items,   |
| 4     | Goa Ship Yard Ltd.                 | I) <u>HULL EQUIPMENT:</u><br><br><u>On Turn Key Basis</u><br><br>❖ Air Conditioning & Refrigeration System (On Turn Key Basis)<br><br>❖ Modular Accommodation(On Turn Key Basis)<br><br>❖ Modular Galley (On Turn Key Basis)<br><br>❖ Anchor Windlass<br><br>❖ Accommodation Ladder<br><br>❖ Diving Equipment<br><br>❖ Gemini Boat<br><br>❖ Hydraulic Sliding Door |

|  |  |   |
|--|--|---|
|  |  | <p>II) <u>HULL MATERIALS:</u></p> <p><u>Castings and fabrication</u></p> <ul style="list-style-type: none"> <li>❖ A-Brackets</li> <li>❖ Anchor</li> <li>❖ Heli Hangar Door</li> <li>❖ Brass Builders Name Plate</li> <li>❖ National Emblem</li> <li>❖ Hatches</li> <li>❖ Scuttles</li> <li>❖ Manholes</li> <li>❖ Ladders</li> <li>❖ Anchor Chain</li> <li>❖ BO Class Panels</li> <li>❖ Bimetallic Strips</li> <li>❖ Awning Canvas (Fire retardant)</li> <li>❖ Heli Landing Grid</li> <li>❖ Jumping Ladder</li> <li>❖ Life rafts</li> <li>❖ Nylon Rope</li> <li>❖ Pneumatic Rubber Fenders</li> <li>❖ Mineral Fibre Marine Board</li> </ul> <p>III) <u>ENGINEERING EQUIPMENT:</u></p> <ul style="list-style-type: none"> <li>❖ Fresh water generator (WHR Type)</li> <li>❖ Fresh water generator (RO Type)</li> <li>❖ Marine Incinerator</li> <li>❖ Marine Toilet System</li> <li>❖ Oily Bilge Water Separators</li> <li>❖ Submersible Pump</li> <li>❖ Lub Oil &amp; Fuel Oil Purifiers</li> </ul> |
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|--|--|--|
|  |  | <ul style="list-style-type: none"> <li>❖ Screw Pumps</li> <li>❖ Semi Rotary Hand Pumps</li> <li>❖ Centrifugal Pumps</li> <li>❖ DG Sets</li> <li>❖ FM 200 System</li> <li>❖ Portable Diving H.P. air compressor</li> <li>❖ Int. Machinery Control System</li> </ul> <p>IV) <u>ENGINEERING ITEMS:</u></p> <ul style="list-style-type: none"> <li>❖ Air Receiver</li> <li>❖ Air Whistle</li> <li>❖ Avcat Filter water absorber</li> <li>❖ Avcat Filter water separator</li> <li>❖ Chockfast material</li> <li>❖ Eductors</li> <li>❖ GM Slip on and Composite slip on flanges.</li> <li>❖ GM Valves</li> <li>❖ Filters (Simplex &amp; Duplex) and Y-type Strainers</li> <li>❖ Remote control Arrangement for Quick Closing</li> </ul> <p>V) <u>ELECTRICAL ITEMS:</u></p> <ul style="list-style-type: none"> <li>❖ Anemometer</li> <li>❖ Dish Antenna</li> <li>❖ Laundry Equipment</li> </ul> |
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|  |  |  |
|--|--|--|
|  |  | <ul style="list-style-type: none"> <li>❖ Magnetic Compass</li> <li>❖ Navigation Lights</li> <li>❖ Navigational Radar</li> <li>❖ Passive Night Vision Binoculars</li> <li>❖ Projection Equipment</li> <li>❖ Signaling Lanterns</li> <li>❖ Window Wiper</li> <li>❖ Calorifier</li> <li>❖ Signaling projector</li> <li>❖ Navigational light panel</li> <li>❖ Mixing and mincing machine</li> <li>❖ Interlocked switch socket</li> <li>❖ Intercom &amp; MB/SRE system</li> <li>❖ Food waste disposal unit</li> <li>❖ Suppressor boxes</li> <li>❖ Cooking range</li> <li>❖ Antifouling system</li> <li>❖ Optical binoculars</li> <li>❖ Motor Generator sets</li> <li>❖ Counter boards/scrolling boards</li> <li>❖ Change over switches</li> <li>❖ Helicopter rectifier</li> <li>❖ Portable battery charger</li> <li>❖ General Alarm system</li> <li>❖ Explosion proof light fittings</li> </ul> |
|--|--|--|

|   |                            |  |
|---|----------------------------|--|
|   |                            | <ul style="list-style-type: none"> <li>❖ Ice-cream maker</li> <li>❖ Soft drink plant</li> <li>❖ Deep freezer</li> <li>❖ Transformer rectifier cum battery charger</li> <li>❖</li> </ul>          |
| 5 | Pharmaceutical Industries  | Flexible packaging, corrugated packing boxes, basic chemicals, consumables, HVAC System, maintenance Service Providers in plant maintenance, energy conservation, housekeeping, laundry services |
| 6 | Food Processing Industries | Packaging items, preservatives, basic food materials.  |
| 7 | Hotels & Restaurants       | Annual maintenance services, supply of fruits & vegetables, consumer chemicals, tours & travel guides & operators, housekeeping & laundry services.  |

### 3.8. Medium Scale Enterprises

#### 3.8.1 List of the units in South Goa District

1. Govind Poy oxygen Ltd, Arlem, Salcete, Goa
2. Kartik Alloys Ltd, Cuncolim Indl. Estate
3. Smart Link Network Pvt. Ltd., verna Indl. Estate
4. Betts India India Pvt. Ltd, verna Indl Estate
5. Nicomatic Industries, Cuncolim Indl. Estate
6. Marpol Pvt Ltd., Kakoda Indl. Estate
7. John Distilleries, Cuncolim Indl. Estate
8. Dempo Industries, Verna Indl. Estate
9. FDC Ltd., Verna Indl. Estate

### **3.8.2 Major Exportable Item**

1. Pharmaceuticals
2. Iron Ore
3. specialty chemicals

### **3.9.1 Service Enterprises**

1. Hotels & Restaurants
2. Tours & travel operators
3. Medical tourism

### **3.9.2 Potentials areas for service industry**

1. Power laundry
2. Vehicle Service Station
3. Wheel balancing/Car Washing
4. Desk Top Publishing
5. IT Enabled Services
6. Maintenance contract of Computers and peripherals
7. Mobile Phone Repairing
8. TV/Audio/Video Equipments Repair & Servicing
9. Beauty parlour
10. Tailoring shop
11. Event Management Services
12. Cyber Café and Data Processing
13. Ice Cream Parlour/Cold Drink Shop
14. Hotels & Restaurants
15. Fast Food Kiosks
16. Tourist information and support services
17. Air ticketing
18. Power Laundry
19. AC Servicing & Repair Workshop
20. Advertising Agency
21. Computer Training Centre
22. Training Centres in Hospitality, Catering and Tourism

23. Eco-tourism and Adventure Tourism
24. Digital Photography Studio
25. Interior Design Services
26. Fitness Centres/Gyms
27. Hair Dressing
28. Hiring of water sports equipments
29. Customized Software Development
30. Call Centre Training and Call Centre Services
31. Paying Guest Services
32. Packet Meals Services
33. Fashion Designing
34. Gift Articles shop
35. Aquarium
36. Optical Show Room
37. Crèches/Play Homes
38. Tuition/Coaching Classes
39. STD/ISD Booth/Photocopying/Secretarial Services
40. Stationery Articles Shop

### **3.10 Potential for new MSMEs**

1. Manufacture of Bread & Bakery products, Bakery mixture
2. Dairy & Dairy products
3. Jack fruit chips
4. Banana wafers/pappads
5. Cashew Based Products like Kaju Laddu/Chikki
6. Fruit & Vegetable preservation/processing like pickles, jam, jelly, chutney, squashes, sauces
7. Cashew Nut Processing
8. Spices
9. Vinegar
10. Ice Cream/Kulfi
11. Packaged Drinking Water in bottles and pouches
12. Cold Drink and Aerated Water manufacturing unit

13. Fishing nets
14. Motorized fishing boats
15. Ancillary units in General Engineering and fabrication ( for large scale units like ACGL, Goa Shipyard, etc)
16. Paper Bags and Paper Products like disposable cups/plates
17. Leaf cups/plates
18. Readymade Garments including uniform for schools, Hotels & Restaurants and Industry
19. Coconut Oil extraction
20. Desiccated Coconut Powder
21. Consumer Chemical Products like Phenyl, liquid soap, floor cleaner, Air fresheners, naphthalene Balls, agarbathi etc..
22. Decorative Candles
23. Flexible Packaging Products
24. Handicrafts including terracotta, sea-shell products.
25. Cotton & Jute Bags
26. Tiles / floorings
27. Artificial/imitation jewellery
28. Herbal Products
29. Modular Kitchen
30. Emergency Lamps
31. Voltage Stabiliser, UPS
32. Printing & Screen printing, Textile Printing
33. Mushroom Cultivation Processing-Integrated unit.
34. Nylon School Bags
35. Injection/blow moulded plastic products.
36. Solar water heater
37. Electronic Intruder Alarm
38. Information Display System/Display Boards
39. Handmade Paper
40. Drinking Straw
41. Paper napkins/facial tissues, napkins, toilet rolls etc.
42. Cashew Nut Shell Powder
43. Coconut Shell Powder

44. Plastic Egg trays
45. FRP Doors/partitions
46. Power Generators
47. Extruded Food items
48. Bio-fertiliser
49. Fire Extinguisher
50. Disposable Syringes
51. Dehydration & Canning of Fruits
52. EPABX
53. Assembly of Deep Freezers, Cooling Equipments
54. Electric Fan Components like regulator Assembly, fan kit assembly etc.
55. Mosquito Repellent Mats/liquid
56. Bricks out of mining waste
57. Fireclay Brick
58. Steel Furniture
59. Labels & Stickers
60. Soft toys
61. Power laundry
62. Vehicle Service Station
63. Wheel balancing/Car Washing
64. Desk Top Publishing
65. IT Enabled Services
66. Maintenance contract of Computers and peripherals
67. Mobile Phone Repairing
68. TV/Audio/Video Equipments Repair & Servicing
69. Beauty parlour
70. Tailoring shop
71. Event Management Services
72. Cyber Café and Data Processing
73. Ice Cream Parlour/Cold Drink Shop
74. Hotels & Restaurants
75. Fast Food Kiosks
76. Tourist information and support services
77. Air ticketing

78. Power Laundry
79. AC Servicing & Repair Workshop
80. Advertising Agency
81. Computer Training Centre
82. Training Centres in Hospitality, Catering and Tourism
83. Eco-tourism and Adventure Tourism
84. Digital Photography Studio
85. Interior Design Services
86. Fitness Centres/Gyms
87. Hair Dressing
88. Hiring of water sports equipments
89. Customised Software Development
90. Call Centre Training and Call Centre Services
91. Paying Guest Services
92. Packet Meals Services
93. Fashion Designing
94. Gift Articles shop
95. Aquarium
96. Optical Show Room
97. Crèches/Play Homes
98. Tuition/Coaching Classes
99. STD/ISD Booth/Photocopying/Secretarial Services
100. Stationery Articles Shop

## **4. Existing Clusters of Micro & Small Enterprise**

### **4.1 DETAIL OF MAJOR CLUSTERS**

#### **4.1.1 Manufacturing Sector:**

The identified clusters in the manufacturing are :

1. Pharmaceutical Formulations
2. Cashew Nut Cluster



### 4.1.2 Service Sector

There are no identified clusters in the State under Service Sector

## 4.2 Details for Identified cluster

### 4.2.1 Name of the cluster: **Goa Pharmaceutical Cluster**

|    |  |  |
|----|--|--|
| 1  | Principal Products Manufactured in the Cluster | Tablets, capsules, ointments, liquid orals, injectibles  |
| 2  | Name of the SPV                                | Goa Manufacturers' Association (GPMA)  |
| 3  | No. of functional units in the clusters        | 40   |
| 4  | Turnover of the Clusters                       | 10,000 Cr (2011-12)  |
| 5  | Value of Exports from the Clusters             | 5,000 Cr (2011-12)   |
| 6  | Employment in Cluster                          | 10,000 Cr  |
| 7  | Investment in plant & Machinery                | 500 Cr   |
| 8  | Major Issues / requirement                     | <ol style="list-style-type: none"> <li>1. Compliance to revised Schedule M of the Drugs &amp; Cosmetics Act 1948.</li> <li>2. Notified Port facilities for direct exports</li> <li>3. Establishment of Central Drug Controller Office in Goa</li> <li>4. Lack of testing facilities</li> </ol>   |
| 9  | Presence of capable institutions               | Goa College of Pharmacy, at Panaji, Goa  |
| 10 | Thrust Areas                                   | <ol style="list-style-type: none"> <li>1. Research &amp; Development</li> <li>2. Human Resource Development in the areas of Quality Control, Quality Assurance, Export Marketing</li> </ol>  |
| 11 | Problems & constraints                         | <ol style="list-style-type: none"> <li>1. Majority of the units have production facilities in Goa with their corporate office being outside the state</li> <li>2. Weak association base.</li> <li>3. Difficulty in complying with revised Schedule M specifications made micro &amp; small units to close down their operations</li> </ol> |

### Present status of the cluster:-

Though Goa Pharma Cluster is small & compact, it is very progressive cluster. With half a percent of the total units in the country, about 12% of the medicines are made in Goa. 90% of the units are WHO-GMP compliant. It is growing at a healthy rate of 18-20%. Almost all prominent Indian Companies and MNCs are having their production facilities in Goa and the cluster is self sustaining.

#### 4.2.2 Name of the cluster: **Goa Cashew Cluster**

|    |  |   |
|----|--|---|
| 1  | Principal Products Manufactured in the Cluster | Cashew Kernals  |
| 2  | Name of the SPV                                | Goa Cashew Entrepreneurs' Welfare Society   |
| 3  | No. of functional units in the clusters        | 300   |
| 4  | Turnover of the Clusters                       | 45 Cr   |
| 5  | Value of Exports from the Clusters             | 15 Cr   |
| 6  | Employment in Cluster                          | 45,000 man days   |
| 7  | Investment in plant & Machinery                | 2.5 Cr  |
| 8  | Testing needs                                  | Not needed  |
| 9  | Thrust Area                                    | Availability of skilled labour<br>Technology Upgradation with modern equipments<br>Competition from countries like Brazil, Sri Lanka, Thailand etc. |
| 10 | Access to Export Market                        | There is an ample scope for export of cashew nuts to European & Western Countires.  |

#### **Present status of the cluster:-**

The Interventions in the cluster are underway. Soft interventions have been made in the areas of capacity building, machinery identification, process details.

Establishment of CFC is sanctioned by DC (MSME). Land has been acquired, necessary approvals are obtained, CFC building is erected and orders have been placed for procurement of machinery. The CFC is likely to start functioning within a couple of months.

#### **5. General issues raised by industry association during the course of meeting**

During the discussion with Industry-Associations & Chamber of Commerce, following points/issues are noted:

- Price Competition from international market, especially from countries like China
- Load Shedding & lack of quality power supply
- Lack of Infrastructure facilities, including water supply in industrial estates
- Narrow roads for movement of export containers
- Regressive tax regime with reference to VAT & Non-implementation of GST
- Scarcity of skilled labour
- Increased production cost due to non availability of Raw material in local market
- High cost of bank credit leading to pressure on profit margins.
- Goa being a small state, the market is limited & goods need to be marketed outside the state, which increases product cost & tough competition.

## '8. STEPS TO SET UP MSMEs

Following are the brief description of different agencies for rendering assistance to the entrepreneurs.

| <b>Sl. No</b> | <b>Type of assistance</b>   | <b>Name and address of agencies</b>  |
|---------------|---|--|
| 1.            | Provisional Registration Certificate ( EM-1) & Permanent Registration Certificate ( EM-II)  | Directorate of Industries, Trade & Commerce, Udyog Bhavan, Panaji-Goa  |
| 2.            | Identification of Project Profiles, techno-economic and managerial consultancy services, market survey and economic survey reports. | MSME-Development Institute, Margao-Goa<br>Agenl EDI, Verna   |
| 3.            | Land and Industrial shed  | Goa-Industrial Development Corporation, Patto, Panaji.   |
| 4.            | Financial Assistance  | Nationalized Commercial Banks; SIDBI, Panaji; EDC Ltd, Panaji; NABARD, Panaji  |
| 5.            | For raw materials under Govt. Supply  | GHRSSIDC, Neugi Nagar, Panaji  |
| 6.            | Plant and machinery under hire / purchase basis.  | NSIC, Panaji   |
| 7.            | Power/ Electricity  | Electricity Department of the concerned area   |
| 8.            | Technical Know –how.  | MSME-DI, Margao<br>PCC Engineering College, Verna  |
| 9.            | Quality & Standard  | MSME-DI, Margao<br>ETDC, Taligao Plateu.   |
| 10.           | Marketing /Export Assistance  | Directorate General of Foreign Trade, St. Inez, Panaji,<br>Export Inspection Agency, Panaji<br>Marine Products Export & Development Authority (MPADA), Panaji,<br>GCCl, Panaji |
| 11.           | Other Promotional Agencies  | KVIC, Panaji<br>KVIB, Panaji   |