

**DISTRICT INDUSTRIAL POTENTIALITY SURVEY  
REPORT  
OF  
ANAND DISTRICT [ 2016-17 ]**



**GOVERNMENT OF INDIA  
MINISTRY OF MICRO, SMALL & MEDIUM ENTERPRISES  
MSME-DEVELOPMENT INSTITUTE  
AHMEDABAD**

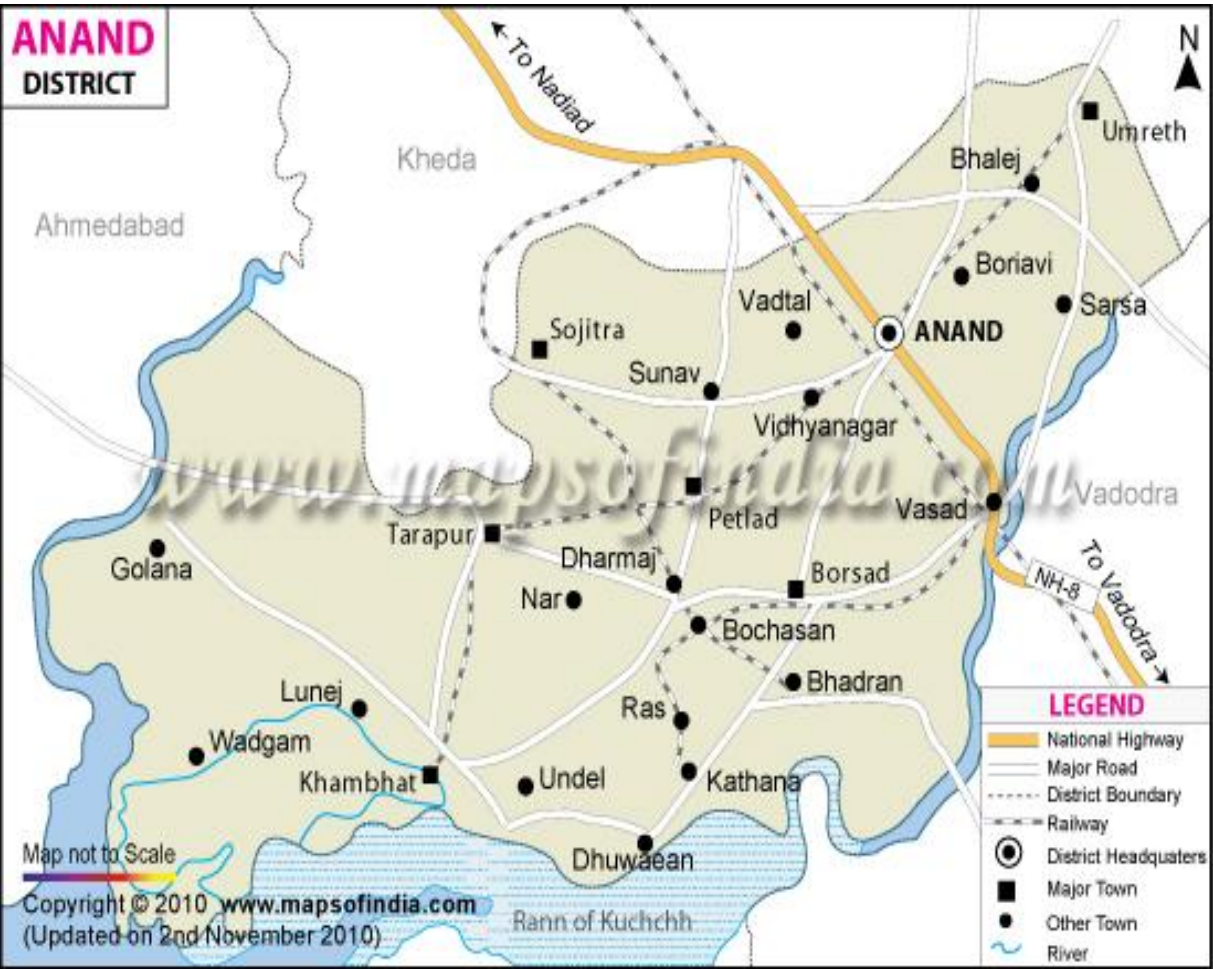
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**ANAND**  
**DISTRICT**



## **FOREWORD**

The present economy of any developing nation depends upon the prevailing relationship with World Economic Union and globalised economy of the Developed Nation. Our country's economy is still passing through the concept edge of Developing Nations concept. To boost the present economy and for achieving targeted growth rate, growth of the industries is very important.

For the implementation of various Programmes and Policies, there is requirement of good data base of available resources, basic infrastructure facilities, policies of the Central and State Government. By providing skill development Trainings and Infrastructure facilities, living conditions of the people may be upgraded and more industries may be promoted.

MSME-Development Institute carries out District Industrial Potentiality Survey Report Annually. This Report provides rich data base about type of the industry, availability of natural resources, infrastructural facilities, skilled man power, market conditions etc. of Anand district in the State of Gujarat.

Shri P.L.SHAH, Asstt.Director(Stat.)MSME-Development Institute, Ahmedabad has prepared District Industrial Potentiality Survey Report of Anand District for the year 2016-17 by using various vital and useful statistics and information collected from the various State Government Departments and Agencies and interaction with Industrial Agencies.

The methodology adopted for the survey reports includes desk survey, documentation of data, reports received from various departments and institutions. I hope that the report will be useful immensely to the concerned entrepreneurs and various agencies for industrial growth in the Anand District. I extend my heartily thanks to all of the State Government Departments and agencies etc., who have extended their kind co-operation in the preparation of this Report.

AHMEDABAD

JUNE, 2016

  
(K.H.SHAH)

Dy. DIRECTOR(MECH.)

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**ACKNOWLEDGEMENT**

In the preparation of this Survey Report on Anand District, the Institute acknowledges the support and assistance of the following departments and agencies for providing us with the information and details :

1. District Industries Centre, Anand
2. Lead Bank - Bank of Baroda, Anand
3. District Statistical Office, Anand
4. District Planning Office, Anand
5. District Information Office, Anand
6. Superintendent of Post Office, Anand
7. Employment Exchange Office, Anand
8. District Agriculture Office, Anand
9. Executive Engineer, Mahi Irrigation, Anand
10. Directorate of Census Operation, Gandhinagar
11. District Registrar, Co-operative Societies Office, Anand
12. Animal Husbandry Office, Anand
13. Animal Husbandry Office (Poultry), Nadiad
14. Executive Engineer, R & B, Jilla Panchayat Office, Anand
15. Executive Engineer, R & B, State Public Works Dept., Anand
16. Gujarat Industrial Development Corporation, Anand
17. Horticulture Office, Anand
18. D.R.D.A., Anand
19. Primary Education Office, Anand
20. District Education Office, Anand
21. Disaster Management Authority, Anand
22. General Manager, B.S.N.L., Nadiad
23. Conservator, Forest Office, Anand
24. Vithal Udyognagar Industries Association, Anand
25. MGVCL, Anand
26. MGVCL, Nadiad

27. GSRTC, Nadiad
28. The Supdt, of Central Exise, Anand
29. The Amul Dairy, Anand
30. Sardar Patel University, Anand.
31. Regional Transport Office, Anand.

**CHAPTER – I****DISTRICT AT A GLANCE****Brief History of the District :**

The district of Anand is a newly created district. Up to October 1997 it was a part of Kheda district. Therefore the history of the district narrated below will practically be the history of Kheda district.

In Puranas, the Mahi Valley is introduced as the Mahey region enumerated among the regions on the western border. Vatrak River marks the natural boundary of this district. In Puranas Vatarak is referred to as Vartraghani. The river absolved Indra of the sin for killing demon Varitra, because he took a dip at the sacred confluence of Varatraghni with Sabhramati. But the Puranic references in their present form appear to be of later period.

**GEOGRAPHICAL LOCATION & AREA**

Anand district is situated in the Central part of Gujarat. The district is encompassed by 22<sup>0</sup>.60 Northern Latitude and 72<sup>0</sup>.20 and 73<sup>0</sup>.12 East Longitudes. It has common boundaries with four other districts of Gujarat State. Kheda District near Nadiad taluka, Panchmahal district near Thasra taluka, Baroda district near Anand taluka and Khambhat taluka of the district has a natural boundary of the Gulf of Cambay.

The geographical area of the Anand district is 2951.10 sq.kms. which accounts for 1.50 percent of total geographical area of the state. The district is divided into 8 talukas and it has 365 inhabited villages and 12 towns.

**Administrative Set-up:**

With a view to run the administration of the State smoothly, it has been divided into Districts, which in turn have been further sub-divided into Talukas(Tahsils).

In the State of Gujarat, the community development blocks are coterminous with the Talukas. The Talukas contain large number of villages and possibly several towns.

The villages have Village Panchayats to run the local administration. A Village Panchayat may constitute of one revenue village, several revenue villages or a part

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of a large village. Similarly, the towns have Municipality or Municipal Corporation as the seat of local self-government.

The District Collector looks after the general administration, maintenance of collection of land revenue and settlement of law disputes, civil supplies, district planning, mid-day meal scheme, etc at the district level. At the Taluka level, Mamlatdar looks after the land development and revenue collection and law and order.

### **Economic Activity :**

1. The economy of the district is basically dependent on agricultural activities as 59.04% workers are engaged in agricultural work.
2. Major focus sectors includes food & agriculture, engineering & Auto parts, minerals & cement.
3. Amul milk co-operative is the largest dairy co-operative of India.

### **(i) Important Statistics – 2011**

|                          |       |         | <b>Gujarat State</b> | <b>Anand District</b> |
|--------------------------|-------|---------|----------------------|-----------------------|
| <b>Population (Nos.)</b> | Total | Persons | 60439692             | 2092745               |
|                          |       | Males   | 31491260             | 1087224               |
|                          |       | Females | 28948432             | 1005521               |
|                          | Rural | Persons | 34694609             | 1457758               |
|                          |       | Males   | 17799159             | 758499                |
|                          |       | Females | 16895450             | 699259                |
|                          | Urban | Persons | 25745083             | 634987                |
|                          |       | Males   | 13692101             | 328725                |
|                          |       | Females | 12052982             | 306262                |
| Scheduled Castes (Nos.)  | Total | Persons | 4074447              | 104465                |
|                          |       | Males   | 2110331              | 54476                 |
|                          |       | Females | 1964116              | 49989                 |
| Scheduled Tribes (Nos.)  | Total | Persons | 8917174              | 24824                 |
|                          |       | Males   | 4501389              | 12761                 |
|                          |       | Females | 4415785              | 12063                 |



|                 |  |  |        |      |
|-----------------|--|--|--------|------|
| Area (Sq. kms.) |  |  | 196244 | 3204 |
|-----------------|--|--|--------|------|

|  |                               |          |         |
|--|-------------------------------|----------|---------|
| Density of Population  | Per Sq. Km.                   | 308      | 653     |
| Sex Ratio  | No. of Females per 1000 Males | 919      | 925     |
| Literacy (Nos.)<br>(Excluding Children in the age group 0 – 6) | Total                         | 41093358 | 1551253 |
|  | Rural                         | 21420842 | 1053110 |
|  | Urban                         | 19672516 | 498143  |
| Percentage of Urban Population to Total Population             |                               | 42.6     | 30.34   |
| Percentage of Rural Population to Total Population             |                               | 57.4     | 69.66   |
| <b>Workers and Non-Workers</b>                                 |                               |          |         |
| Total Workers (Main and Marginal) (Nos.)                       | Persons                       | 24767747 | 844794  |
|  | Males                         | 18000914 | 627561  |
|  | Females                       | 6766833  | 217233  |
| (i) Main Workers(Nos.)   | Persons                       | 20365374 | 690031  |
|  | Males                         | 16567695 | 570226  |
|  | Females                       | 3797679  | 119805  |
| ii) Marginal Workers(Nos.)                                     | Persons                       | 4402373  | 154763  |
|  | Males                         | 1433219  | 57335   |
|  | Females                       | 2969154  | 97428   |
| iii) Non Workers(Nos.)   | Persons                       | 35671945 | 1247951 |
|  | Males                         | 13490346 | 459663  |
|  | Females                       | 22181599 | 788288  |
| <b>No. of Main Workers by Main Industrial Categories</b>       |                               |          |         |
| i) Cultivators(Nos.)   | Persons                       | 4746956  | 144417  |

|                                 |                        |          |         |
|---------------------------------|------------------------|----------|---------|
|                                 | Males                  | 4075047  | 138673  |
|                                 | Females                | 671909   | 5744    |
| ii) Agriculture Labourers(Nos.) | Persons                | 4491751  | 263622  |
|                                 | Males                  | 3008961  | 207235  |
|                                 | Females                | 1482790  | 56387   |
| iii) Household Industry(Nos.)   | Persons                | 252213   | 12472   |
|                                 | Males                  | 182101   | 10423   |
|                                 | Females                | 70112    | 2049    |
| iv) Other Workers(Nos.)         | Persons                | 10874454 | 269520  |
|                                 | Males                  | 9301586  | 213895  |
|                                 | Females                | 1572868  | 55625   |
| <b>Total Number of Villages</b> | -                      | 18225    | 347     |
| Number of Towns                 | Statutory              | 195      | 13      |
|                                 | Census                 | 153      | 02      |
|                                 | Total                  | 348      | 15      |
| Adolescent & Youth Population   | All Ages               | 60439692 | 2092745 |
|                                 | Adolescent (Age 10-19) | 12015205 | 395898  |
|                                 | Youth(Age 15-24)       | 11646482 | 387704  |

Source: Directorate of Census Operations, Gandhinagar, Gujarat.

**(ii) Decadal variation in Population since 1961.**

| Year    | Variation (%) |
|---------|---------------|
| 1961-71 | 22.4          |
| 1971-81 | 23.4          |
| 1981-91 | 13.4          |
| 1991-01 | 13.0          |
| 2001-11 | 12.7          |

| <b>Literacy</b> | <b>Anand District</b> | <b>Gujarat State</b> |
|-----------------|-----------------------|----------------------|
| Male (%)        | 91.8                  | 85.8                 |
| Female (%)      | 76.4                  | 69.7                 |
| Rural Area (%)  | 82.7                  | 71.7                 |
| Urban Area (%)  | 88.2                  | 86.3                 |

**(iii) Industrial Scenario :**

No. of Micro, Small & Medium Scale Enterprises : 3267

Capital Investment in MSMEs( Rs. in Lacs) : 105446.58

Employment (Nos.) : 30469

**(iv) Total Udyog Aadhar Memorandum Regd. : 724**

**(v) Resources Details:**

|   |                                 |   |
|---|---------------------------------|---|
| 1 | Average Rainfall                | 835 mm  |
| 2 | Important Agro Products         | Paddy, Wheat, Jowar, Tur, Gram, Groundnut.      |
| 3 | Important Horticulture Products | Mango, Brinjal, Sapota (Chikku), Citrus, Banana |

**(vi) Banking :**

| <b>Banks</b>           | <b>Nos.</b> |
|------------------------|-------------|
| Nationalized Banks     | 217         |
| Co-operative Banks     | 39          |
| Land Development Banks | 04          |
| Pvt. Sector Banks      | 32          |
| <b>Total :</b>         | <b>292</b>  |

**(vi)** Total GIDC Estates in Anand District :

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## **CHAPTER-II**

### **BACKGROUND OBJECTIVE & METHODOLOGY**

The primary objective of planned development has been the regional balance with regard to the regions of the State of Gujarat. The Industrial sector of the economy plays the dominant role for generating employment opportunities. Increasing production and thereby raising living standards of the people for promotion of industrial sector of backward areas. A number of fiscal and financial incentives are being offered by the Central and State Govt. as well as financial institutions. This is a recognised fact that offering financial incentives are not sufficient in promoting industrial sector in backward areas. It is essential to undertake considerable amount of work for identification of prospective industries based on local resources. identification of suitable locations having basic infrastructure facilities, search for entrepreneur, preliminary feasibility studies, search for entrepreneur talents, preparation of detailed project report, managerial, technical and financial assistance for project implementation etc. shall go a long way in developing the district.

The development of any district or region is an important index available for measuring the economic growth of the district. The larger the development the greater will be the growth. The growth has to be even which can be attained and measured by the increased benefits accruing to the weaker sections of the society thereby increasing their standard of living, purchasing power etc. The economic growth is a very important tool to measure the wealth of the country in general and of a district in particular.

Looking from the above angle, it is an indisputable fact that though the Indian economy has grown fairly well spreading out its branches into different directions over the last few years, still efforts are required to be made so that the fruits of development reach the larger sections of the society.

In order to achieve a balanced and even growth of all the regions of the country, the Govt. of India and the State Govt. of Gujarat have provided certain Incentives in the areas declared by them as backward which will act as a fillip in getting those areas industrialised. Anand district is declared forward district in Gujarat State. A number of incentives and concessions are made available to entrepreneurs for setting up industries in backward district. The new liberal

industrial policy of the Union Government actively implemented gives importance for developing the decentralised sector particularly in the rural areas.

The objective of preparing this report is of accelerating the pace of industrial activities in Anand district by suggesting various prospective small scale industries which can be set up based on local resources and demand.

The report aims at examining the development taken place so far, particularly during the last decades in exploitation of different resources in the district putting them to industrial use.

The report is techno-economic in character rather than a statistical presentation. It is intended primarily for the entrepreneurs as a guide and will give due publicity to attract entrepreneurs of the district.

The report is prepared based on both primarily and secondarily sources apart from exhaustive reference and available literature on the district. The work included extensive field visits, statistics collected from all the Promotional Agencies, State and Central Government Departments, Industry Association, Prominent Personalities of the areas and discussions made with them.

### **CHAPTER-III**

#### **DISTRICT PROFILE**

##### **2.1 GEOGRAPHICAL LOCATION & AREA**

Anand district is situated in the Central part of Gujarat. The district is encompassed by 22<sup>0</sup>.60 Northern Latitude and 72<sup>0</sup>.20 and 73<sup>0</sup>.12 East Longitudes. It has common boundaries with four other districts of Gujarat State. Kheda District near Nadiad taluka, Panchmahal district near Thasra taluka, Baroda district near Anand taluka and Khambhat taluka of the district has a natural boundary of the Gulf of Cambay.

The geographical area of the Anand district is 2951.10 sq.kms. which accounts for 1.50 percent of total geographical area of the state. The district is divided into 8 talukas and it has 365 inhabited villages and 12 towns.

##### **2.2. ADMINISTRATIVE SET UP**

The district is divided in 8 talukas viz. Anand, Umreth, Borsad, Petlad, Sojtra, Khambhat, Tarapur and Anklov. The headquarter of the district is Anand taluka. The district has 12 towns and 11 Nagar Palikas.

##### **2.3 CLIMATE AND RAINFALL**

The normal climate of the district is temperate with moderate proportion of heat and cold. There are three main seasons–

- |       |              |   |                                  |
|-------|--------------|---|----------------------------------|
| (i)   | Monsoon      | : | Mid June to mid October          |
| (ii)  | Fair Weather | : | Min October to February (Winter) |
| (iii) | Hot Weather  | : | March to mid June                |

The normal rain fall of the district can be considered at 886 millimeters. The rain fall in different part of the district ranges from 351 mm to 1095 mm with average number of 45 rainy days.

##### **2.4 RIVERS**

There are three rivers - Mahi, Shedi and Naveda. Main river is Mahi, flowing through the district. The river Mahi Popularly known as "MAHISAGAR" serves as

vital source of irrigation. Anand and Borsad talukas are situated on the bank of Mahi river.

## **2.5 SOIL**

There are major four types of soil in the district viz. sandy, loam, medium black soil and bhatha are found in the district. Goradu and Gandy loam is commonly found in Anand. Borsad and Petlad talukas rich in organic content, respond well to the use of irrigation, fertilisers and improved farm

particles. The land is highly fertile and track is locally known as "CHAROTAR". Kyari soil is found in parts of Petlad and Khambhat talukas where extensive cultivation of paddy. The bhatha land comprised a vast track between the low lying alluvial river land formed by deposition of soil under the Gulf of Cambay in the Southern part of the district. This land is less fertile but suitable for cultivation of wheat. The track is known as "BHAL". The crop of Bhalia wheat is very popular for its Best Quality.



### **CHAPTER-III**

#### **RESOURCE ANALYSIS**

Industrial development depends upon availability of resources like human resources and material resources. A detailed study of availability of these factors in Anand district is as given below :

#### **3.1 HUMAN RESOURCES**

According to the Census 2001, the total population of Anand district is 18,56,872. This figure reveals that 3.67 percent of the total population of the State resides in the district. There are 9,72,000 male and 8,84,872 female in the total population. The male, female ratio is 910 as against 920 of the State average. The growth rate during the period of 1991 - 2001 has been 13.00 percent out of the population of Anand district. Population position is as follows :

**A. Population:** Taluka-wise population of census 2011 of Anand District is as under:

| <b>Sl. No.</b> | <b>Name of Taluka</b> | <b>Rural</b>   | <b>Urban</b>  | <b>Total</b>   |
|----------------|-----------------------|----------------|---------------|----------------|
| 1              | Tarapur               | 88522          | 00            | 88522          |
| 2              | Sojitra               | 89813          | 16713         | 106526         |
| 3              | Umreth                | 154267         | 33762         | 188029         |
| 4              | Anand                 | 263835         | 345472        | 609309         |
| 5              | Petlad                | 232594         | 55330         | 287924         |
| 6              | Khambhat              | 186515         | 99164         | 285679         |
| 7              | Borsad                | 316107         | 63543         | 379650         |
| 8              | Anklav                | 126105         | 21003         | 147108         |
|                | <b>TOTAL</b>          | <b>1457758</b> | <b>634987</b> | <b>2092745</b> |

#### **3.2 ECONOMIC RESOURCES**

The Economic Resources are important means of subsistence for the working people in the district. The details about economic resources of important sectors are given hereafter :

**(i) Agriculture**

Agriculture and its allied activities are the main occupation in the district. Almost 5% population are engaged in it as per 2011 population census. Next come in other services, processing, repairing etc. The total geographical area of the district is 2,94,759 hect. Land utilisation pattern in the district as under :

**CLASSIFICATION OF LAND IN THE ANAND DISTRICT**

| <b>Sr.No.</b> | <b>Distribution of Land</b>        | <b>Area (Hect.)</b> |
|---------------|------------------------------------|---------------------|
| 1.            | Total Geographical Area            | 2,94,759            |
| 2.            | Barren Land                        | 26,917              |
| 3.            | Non-Agricultural Land              | 46,395              |
| 4.            | Pasture/Grazing Land               | 14,327              |
| 5.            | Current Fallow Land                | 6,133               |
| 6.            | Other Fallow Land                  | 1,102               |
| 7.            | Cultivable land but not cultivated | 10,469              |
| 8.            | Net sown cultivated Land           | 18,868              |

**(ii) LAND HOLDING PATTERN**

As regards size of operational holding 39.28% of land holding fall in the marginal and small farmers. Size of the land holdings in the Anand district is as under :

**CLASSIFICATION OF LAN****LANDD HOLDING FARMERS IN ANAND DISTRICT**

| <b>Sr. No.</b> | <b>Classification of Holdings</b>                 | <b>Total No. of</b> | <b>Total Land (Hect.)</b> |
|----------------|---|---------------------|---------------------------|
| 1.             | Marginal Small Farmers up to Two Hectors          | 1,08,836            | 80,507                    |
| 2.             | Medium & Semi Medium Farmers Two to five hectares | 25,932              | 78,180                    |
| 3.             | Big Farmers above five hectares                   | 5,247               | 56,218                    |
|                | <b>Total</b>                                      | <b>140015</b>       | <b>214905</b>             |

**(III) CROPPING PATTERN**

The main crops of the district are paddy, Bajra, Wheat, Tobacco, Oil Seeds etc. The cropping pattern in Anand district is given below :

| <b>KHARIFF</b> |                | <b>RABI</b> |                |
|----------------|----------------|-------------|----------------|
| Paddy          | : 3 - 4 months | Wheat       | : 3 - 4 month  |
| Bajra          | : 3 - 4 months | Mustard     | : 3 - 4 months |
| Cotton         | : 6 - 8 months | Tobacco     | : 5 - 6 months |

Winter crops : oil seeds.

**(iii) AGRICULTURAL EQUIPMENTS**

|    |                 |        |
|----|-----------------|--------|
| 1. | Tractors        | 9612   |
| 2. | Ploughs         | 14855  |
| 3. | Disk Harrow     | 2380   |
| 4. | Bullock Carts   | 1393   |
| 5. | Bullock Pairs   | 14080  |
| 6. | Other Equipment | 119708 |

**(IV) STATEMENT SHOWING AREA AND PRODUCTION OF AGRICULTURE  
CROPS IN ANAND DISTRICT**

The agricultural production in the districts is described in the below mentioned table. :

| Sl. No. | Name of Crop      | 2014-15           |                            |
|---------|-------------------|-------------------|----------------------------|
|         |                   | Area ('00 Hector) | Production.( '00 M.Tonnes) |
| 1.      | Paddy (Khariff)   | 1089              | 4326.60                    |
| 2.      | Wheat (Irrigated) | 661               | 2035.88                    |
| 3.      | Bajra             | 322               | 922.53                     |
| 4.      | Gram              | 26                | 19.29                      |
| 5.      | Cotton            | 44                | 29.26                      |
| 6.      | Tobacco           | 697               | 1324.99                    |
| 7.      | Rai               | 15                | 20.77                      |

**(iv) INTERNAL STRUCTURE RELATED TO ANAND DISTRICT AGRICULTURE**

|                          |                                      |                          |     |
|--------------------------|--------------------------------------|--------------------------|-----|
| <input type="checkbox"/> | Co-operative Societies               | <input type="checkbox"/> | 242 |
| <input type="checkbox"/> | Agricultural Products Selling Centre | <input type="checkbox"/> | 10  |
| <input type="checkbox"/> | Fertilizer Selling Centre            | <input type="checkbox"/> | 290 |
| <input type="checkbox"/> | Pesticides Securing Centre           | <input type="checkbox"/> | 300 |
| <input type="checkbox"/> | Seeds selling Centre                 | <input type="checkbox"/> | 61  |
| <input type="checkbox"/> | Dist. Sangh                          | <input type="checkbox"/> | 01  |

**(v) IRRIGATION**

The major source of irrigation is through wells and canals. The net area irrigated is 217861 hectares, which forms about 82 percent Geographical area in the district and 364 villages in the district are having tube-well facilities. Irrigation facilities helps the Agriculture Sector to lead the reduction in rural poverty. In fact, the incidence of rural poverty become lower in irrigated areas compared to rain fed areas. It is recognised fact that the irrigation will become more important as potential contribution for the technical progress, improved agricultural performance and poverty reduction.

**SOURCE OF IRRIGATION IN ANAND DISTRICT**

| <b>Sr.No.</b> | <b>Source</b>    | <b>No.</b> |
|---------------|------------------|------------|
| 1.            | Tubewells        | 1280       |
| 2.            | Dug Wells        | 16148      |
| 3.            | Ponds            | 1822       |
| 4.            | Oil Engine       | 4713       |
| 5.            | Electroc Motor   | 11819      |
| 6.            | Submersible Pump | 935        |
| 7.            | Canals (Hectare) | 717        |

The main source of irrigation is Mahi dam canal system. It is covered talukas for irrigation in the district.

### (vi) Mineral Resources:

Nearly 75 % of the total minerals of Gujarat State are produced in the Kutch only. Available Major minerals are White clay, Chine clay, Silica sand, Bauxite, Lignite, Gypsum, Lime Stone, Pozzolonic clay, laterite etc.

While, minor minerals are Bentonite, Black Trap, Hard Murrum, Soft Murrum Building Lime Stone, Ordinary sand, Ordinary clay etc.

The details of the various Major & Minor Minerals available in the district is as under during the year **2014-15**

| Sl.No.    | Type of Minerals      | Production in Metric Tones | Royalty Received ( Rs. In lakh) |
|-----------|-----------------------|----------------------------|---------------------------------|
| <b>A.</b> | <b>Major Minereal</b> | Nil                        | Nil                             |
| <b>B.</b> | <b>Minor Minerals</b> |                            |                                 |
| 1.        | Ordinary Sand         | 1899548.47                 | 23605944                        |
| 2.        | Brick Earth           | 631100.00                  | 7573200                         |
| 3.        | Black Trap            | 54612.02                   | 1540410                         |
| 4.        | Ordinary clay         | 1824960.00                 | 27374400                        |
| 5.        | Gravel                | 00                         | 00                              |

Source: Directorate of Geology and Mining Department, Anand.

### (vii) HORTICULTURE

The activities related to fruit crops and processing have vast scope in the district. These talukas do have potential for perennial fruits, banana, lemon, papaya, mango. Horticulture too has good scope and few big farmers have entered the field due to favourable climatic conditions.

The table given below highlights area and production of horticulture crops for the year-2014-15 The major area/production of major Horticultural crops in the district during the year 2014-15 are given below.

| Sl. No. | Name of fruit | 2014-15 |                |
|---------|---------------|---------|----------------|
|         |               | Hector  | Production(MT) |
| 1       | Mango         | 2360    | 14679          |
| 2       | Chiku         | 429     | 3754           |
| 3       | Citrus        | 4975    | 63431          |
| 4       | Ber           | 111     | 1049           |

|    |               |              |               |
|----|---------------|--------------|---------------|
| 5  | Banana        | 12558        | 775457        |
| 6  | Gauva         | 250          | 3238          |
| 7  | Pomegranate   | 30           | 275           |
| 8  | Date Palm     | 2            | 0             |
| 9  | Papaya        | 588          | 45864         |
| 10 | Custard Apple | 112          | 804           |
| 11 | Aonla         | 1210         | 12403         |
| 12 | Coconut       | 70           | 468           |
| 13 | Others        | 290          | 2306          |
|    | <b>Total</b>  | <b>22915</b> | <b>923258</b> |

Production of **Vegetables** achieved in the district is mentioned in the Table given below:

| Sl. No. | Name of Vegetable | 2014-15      |                |
|---------|-------------------|--------------|----------------|
|         |                   | Hector       | Production(MT) |
| 1.      | Brinjal           | 7550         | 165723         |
| 2       | Cabbage           | 2030         | 42630          |
| 3       | Okra              | 3228         | 3570           |
| 4       | Tomato            | 3570         | 111920         |
| 5       | Cauliflower       | 795          | 15463          |
| 6       | Cluster bean      | 38758        | 3441           |
| 7       | Coe pea           | 3441         | 40260          |
| 8       | Cucurbits         | 5288         | 87675          |
| 9       | Potato            | 3400         | 108970         |
| 10      | Onion             | 300          | 6864           |
| 11      | Others            | 9329         | 144133         |
|         | <b>Total</b>      | <b>42716</b> | <b>790317</b>  |

Production of **Spices** achieved in the district is mentioned in the Table given below:

| Sl.<br>No. | Name<br>of<br>Spices | 2014-15     |                |
|------------|----------------------|-------------|----------------|
|            |                      | Hector      | Production(MT) |
| 1.         | Cumin                | 200         | 140            |
| 2.         | Garlic               | 500         | 2440           |
| 3.         | Ginger               | 115         | 1737           |
| 4.         | Coriander            | 2000        | 3400           |
| 5.         | Isabgul              | 700         | 805            |
| 6.         | Ajwan                | 10          | 08             |
| 7.         | Turmeric             | 120         | 1560           |
|            | <b>TOTAL</b>         | <b>3645</b> | <b>10090</b>   |

Production of **Flowers** achieved in the district is mentioned in the Table given below:

| Sl.<br>No. | Name<br>of<br>Flowers | 2014-15     |                |
|------------|-----------------------|-------------|----------------|
|            |                       | Hector      | Production(MT) |
| 1          | Rose                  | 240         | 2385           |
| 2          | Marigold              | 785         | 7859           |
| 3          | Jasmin                | 12          | 98             |
| 4          | Lilly                 | 675         | 6767           |
| 5          | Others                | 85          | 695            |
|            | <b>Total</b>          | <b>1797</b> | <b>17804</b>   |

The Agro climatic conditions are suitable for good number of Horticultural crops like Banana, Mango, Lemon, Papaya, Avala etc. All the talukas in the district are suitable for cultivation of horticultural crops.

(Source : Deputy Director, Horticulture, Anand)

**(Vii) LIVE STOCK**

It is the important industrial resource in the district. Cattle rearing are very common among the people of this district. As per the 2012 Census of domestic animals, the district possessed 652925 Nos. total live stock.

**Statement showing Total Live-stock in Anand District-Census 2012**

| Sr.No. | Name of the Livestock | Total No. of livestock as per 2012 census |
|--------|-----------------------|---|
| 1      | Cattle                | 211309                                    |
| 2      | Buffalo               | 485570                                    |
| 3      | Camels                | 800                                       |
| 4      | Sheep                 | 5028                                      |
| 5      | Goats                 | 70269                                     |
| 6      | Horses and Ponies     | 244                                       |
| 7      | Donkeys Mule & Dogs   | 2385                                      |
| 8      | Pigs                  | 0   |
| 9      | Others                | 2599                                      |
|        | <b>Total</b>          | <b>778204</b>                             |

(Source: Dy. Director, District Animal Husbandry Office, Anand)

**VETERINARY FACILITIES OF ANAND DISTRICT**

| Sr. No. | Type of Veterinary Service             | Total (Nos.) |
|---------|--|--------------|
| 1.      | Veterinary Polytechnic                 | 01           |
| 2.      | Veterinary Hospital                    | 20           |
| 3.      | First Aid Veterinary Centre            | 20           |
| 4.      | Animal Insemination Centre/Sub-centres | 421          |

**(vii) Dairy Scheme in Anand District**

The Amul Dairy is famous in the district. It is a Co-operative Society based and situated at Anand. It covers all the villages in the district. Small co-operative society collected the milk in villages, send to Anand for processing in plant and then after, many types of in milk products like Milk Packaging, Ghee, Ice Cream, Cheese & Paneer etc. are produced. The milk is being supplied to all districts in



the Gujarat State. Still, there is scope for setting one more Ancillary unit related to Dairy unit in District.

Gujarat Co-operative Milk Marketing Federation Ltd., which markets the popular Amul brand of milk and dairy products has registered a provisional turnover of Rs. 23,005 crores for the financial year 2015-16 which ended on 31st March. This is 11% higher than last financial year's sales turnover of Rs 20733 crores. The entire sales turnover growth has come because of volume. Turnover of GCMMF has increased by 187% during last six years. The provisional unduplicated group turnover of member unions of Amul group has crossed Rs. 33,000 crores which is also higher by 14% compare to last financial year. It may be noted that GCMMF has planned to achieve sales turnover of Rs. 30,000 crores by 2017-18. GCMMF has been achieving a value growth of more than 20% since last six years because of higher milk procurement, continuous expansion in terms of adding new markets, launching of new products and adding new milk processing capacities across India. In order to reach interior markets, GCMMF has started twelve new branches in India during last three years.

The 17 member Unions of GCMMF with farmer member strength of more than 36 lakhs across 18,600 villages of Gujarat are procuring on an average 180 Lakhs liters of milk per day. Because of better milk procurement prices paid by member unions of GCMMF, milk procurement by member unions has increased by 91% during last six years. GCMMF ranks among the top 15 dairy companies in world in terms of milk processing.

The details of milk availability in Anand District as under:

|   |  |      |
|---|--|------|
| 1 | Total Availability of milk (In lakh Kilo ltr. Per year | 7164 |
| 2 | No. of Milk product Factory (No.)                      | 01   |
| 3 | Capacity (`000 ltrs. per day)                          | 2700 |
| 4 | Milk Chilling Centre(Nos.)                             | 02   |
| 5 | Installed capacity (`000 ltrs. per day)                | 240  |

## (ix) Fisheries

Anand District is land locked district. Only Khambhat Taluka is touch coastal line.

**Fisheries Development in Anand District:**

Anand district has ample scope for inland fisheries. There are 1232 village tanks having area of 1993 hectares Out of which 387 tanks covering area of 1258 hectares are paranic. Till date 291 piratical village tanks having area of 976.92 hectares are covered under fish culture in the district. The village panchayats are giving ponds on lease for fish culture by publication. Due to high bid of lease of village ponds, income of village panchayats has increased. Fish farmers are getting more fish production rather than average production of two ton per hectare. The people of the district have been interested in fish culture. There are three fish farmers, established by the State Government for providing good quality fish seed to the fish farmers of the district and State at reasonable prescribed rates. There are two irrigation tanks namely - Kanewal 567 hectares and Bhandar 50.59 hectares. In kanewal tank, kanewal Co-operative Society, varsada having Scheduled cast member is engaged in fisheries activity.

**Fisheries Statistics in the District:**

|     |  |      |
|-----|--|------|
| (1) | No. of Boats to catch fish in the district |      |
|     | (A) Mechanised Boats                       | Nil  |
|     | (B) Without Mechanised Boats               | 172  |
| (2) | Total Family of Fishermen in the district  | 1729 |
| (3) | Total Population at Fishermen              | 8715 |
| (4) | No. of Active Fishermen in the district    | 2115 |
| (5) | Production of Fisheries in (M.T.)          | 5790 |
| (6) | No. of Primary Fisheries Societies         | 05   |
| (7) | No. of membership of Co-operative Society  | 285  |
| (8) | No. of fish based industries functioning   | 11   |
|     | in the district                            |      |

In the Anand district, two perennial rivers the Mahisagar and the Sabarmati are flowing and fisheries activities are carried out in villages of coastal areas. Fishermen staying near eastern areas of the Mahisagar and Sabarmati rivers

including bay of Cambay are carrying out fisheries activities. They are illiterate and poor fishermen and earn money in this field for their livelihood.

There are total 387 perennial Ponds covering 1258 Hectarey out of which 311 ponds & 956 Hect. was covered for fisheries in the District. It is to be noted that Anand District contributes 50% of the production of fish from village ponds (276 M.T.) in the total production of Gujarat State.

(Source : Assistant Director of Fisheries, Anand)

### **(x) Employment Exchange :**

According to the latest data available with district employment exchange of the 35726 registered jobless.

(A) Statistics of District Employment Exchange , Anand is as under :

Period From 01/04/2015 - 31/12/2015

- **Vacancy Notified :** 10329
- **Submission :** 44604
- **Placements :** 10190
- **Live Registered as on date 31/12/2015:** 24255
- **No of Employers Registered with Exchange (Quater ending Sept - 2015 ) :** 1644

(B) UNIVERSITY EMPLOYMENT BUREAU, VVNAGAR  
Period From 01/04/2015 - 31/12/2015

- **Vacancy Notified :** 663
- **Submission :** 2138
- **Placements :** 684
- **Live Registered as on date 31/12/2015:** 6894

### **(C) Skill Gap Assessment of Anand District :**

Anand is predominantly dependant on agricultural activities for livelihood generation with over 70 percent of total workforce engaged in this sector. Considering the low employment generation from manufacturing sector at 9.19 percent as against the state average of 15.86 percent, the district has potential to become a sourcing hub for trained manpower. The total worker participation rate

is marginally better than the state average. However, the high manpower requirements in agrarian activities is due to the low and inefficient output which has resulted in significant under employment in this category. A comparison of workforce distribution scenario in Anand and Gujarat is presented in the table :

| Region  | Labour Force Participation | Workforce Participation | Percentage of Employment |                  |                 |
|---------|----------------------------|-------------------------|--------------------------|------------------|-----------------|
|         |                            |                         | Primary Sector           | Secondary Sector | Tertiary Sector |
| Anand   | 57.01%                     | 42.26%                  | 70.43%                   | 09.19%           | 20.37%          |
| Gujarat | 59.27%                     | 41.95%                  | 59.34%                   | 15.86%           | 24.86%          |

## **CHAPTER-V**

### **INFRASTRUCTURAL FACILITIES**

Infrastructural Facilities are pre-requisite for industrial development. The industrialisation cannot take place in the absence at infrastructural facilities. The Infrastructural facilities include availability of developed roads railways, power, water, airport, communication, transportation, education, industrial estates banking, facilities etc.

The existing infrastructural facilities in the district are as under :

#### **4.1 Roads & Railway :**

##### **(A) Road Network :**

Good roads are must for industrialization which in turn facilitates transportation and development of trade and commerce. The development of roads are looked after by different departments in the district. The National Highway is looked after by C.P.W.D., the State highways are looked after by the P.W.D. and roads in the other parts of the district by district Panchayat Office.

#### **I. Category wise length of roads in the district (except Bharuch Panchayat Division)**

| <b>Type of Roads</b> | <b>Length of road in Kms.</b> |
|----------------------|-------------------------------|
| National Highway     | 87.00                         |
| State Highway        | 458.00                        |
| Major district roads | 602.10                        |
| Other district roads | 170.60                        |
| Village roads        | 1090.48                       |
| Non-plan Road        | 1259.90                       |
| <b>Total →</b>       | <b>3668.08</b>                |

Source: Executive Engineer (R&B) Division, & PWD/State, Anand

## II) **Road Transport :**

Mode of transport is the key factors for socio-economic as well as industrial development. Passenger vehicles are very essential for mobilization of industrial workers and goods transport vehicles are necessary for transportation of raw materials as well as finished products

### **Transportation Facilities by type of Vehicles**

The truck carrier facilities in the area is also essential for development of industries because this provides facility for transportation of rural materials and product from one place to another places. The details of vehicles registered in the district is as below :

#### **Registered Vehicles as on 31.03.2015**

| <b>Sr. No.</b> | <b>Type of Vehicles</b>    | <b>Total number of Vehicles</b> |
|----------------|----------------------------|---------------------------------|
| 1              | Two Wheelers               | 265989                          |
| 2              | Auto Rickshaw              | 26246                           |
| 3              | Jeeps                      | 3589                            |
| 4              | Car & Station Wagons       | 40593                           |
| 5              | Taxi/Maxi                  | 233                             |
| 6              | Buses                      | 969                             |
| 7              | Goods Vehicles             | 16839                           |
| 8              | Tractor                    | 17546                           |
| 9              | Trailers                   | 6008                            |
| 10             | Others including Ambulance | 599                             |
| <b>Total →</b> |                            | <b>378611</b>                   |

**(Source:** Asstt. Regional Transport Office, Anand)

## **(B) Railways:**

There are all talukas connected with Railway Track. Mostly, there are broadgauge railway tracks. Railway track at Petlad & Nadiad is meter gauge. The district is connected to Ahmedabad, Mumbai, Delhi and Baroda with Railway Facilities.

The Details of Railway is as under :

|              |   |     |
|--------------|---|-----|
| Broad. Gauge | - | 147 |
| Meter Gauge  | - | 046 |
| Narrow Gauge | - | 040 |

## **4.2 Communication**

### **(a) Post & Telegraph Facilities**

There are 286 post offices covering 365 village in the district. STD facilities are available at all Taluka headquarters as also in all villages. Many villages have been provided with Public Telephone Connection.

Post and Telegraph facilities available in the district are as under:

|     |   |     |
|-----|---|-----|
| (1) | Main Post offices                             | 04  |
| (2) | No. of Post Office                            | 282 |
| (2) | No. of Village covered with Postal Activities | 365 |

There is V - L.P.T. Station (T.V. Relay Centre) at Khambhat and four newspapers publish daily in the district. Name of the News Papers are (1) Naya Padkar (2) Sardar Gujarat (3) Madhyantar (4) Prathkaal.

(Source : Dy, Director of Information, Anand)

## **4.3 POWER**

Power is most important infrastructure for the development of industry. The district power comes from Gujarat Electricity Board. As per the latest information available all populated villages, towns and cities in the district have been electrified for all purpose. These are 29 sub power station in the district situated at Anand, Umreth, Petlad, Borsad, Khambhat.

Gujarat Energy Transmission Corporation Limited (**GETCO**) was set up in May,1999 and is registered under the Companies Act,1956.The Company

has been promoted by erstwhile Gujarat Electricity Board (GEB) as its wholly owned subsidiary in the context of liberalization and as a part of efforts towards restructuring of the Power Sector.

All villages are covered by electricity connection in Anand district.

#### **4.4 WATER**

Water is very important for industrial development as mentioned earlier. Anand district receives very heavy rainfall. There is two perennial river falling in the district. Namely Mahisagar & Sabarmati. The requirement of water for drinking, irrigation and industries are met by big wells, bore well and canal. Industrial activities need plenty of water for its various use. Govt. has taken up major and medium irrigation projects and it is hoped that the water problems in Anand district will be solved to a great extent.

#### **4.5. INDUSTRIAL ESTATE**

The existence of industrial estates where ready made sheds and plots are available have become one of the essential pre-requisite for industrial growth of the district. The existing facilities of GIDC Estates are as under:

#### **THE EXISTING SCENARIO OF INDUSTRIAL ESTATES IN ANAND DISTRICT**

| <b>Sl. No.</b> | <b>Name of Indl. Area</b> | <b>Land acquired (Hec.)</b> | <b>Land Developed (Hec.)</b> | <b>Prevailing Rate per Sq. Mtr. (Rs.)</b> | <b>No. of Plots</b>    | <b>No. Of Allotted Plots</b> | <b>No. of Vacant Plots</b> |
|----------------|---------------------------|-----------------------------|------------------------------|---|------------------------|------------------------------|----------------------------|
| 1              | V. U. Nagar               | 232.81                      | 193.39                       | 1440                                      | 1015                   | 1015                         | 0                          |
| 2              | Borsad                    | 36.84                       | 1.43                         | 335                                       | 127                    | 127                          | 0                          |
| 3              | Sojitra                   | 10.46                       | 7.19                         | 265                                       | 74                     | 74                           | 0                          |
| 4              | Khambhat                  | 37.63                       | 2.84                         | 395                                       | 206                    | 206                          | 0                          |
| 5              | Umreth                    | 10.68                       | 8.71                         | 200                                       | 62                     | 62                           | 0                          |
| 6              | Petlad                    | 11.56                       | 8.90                         | 265                                       | 71                     | 71                           | 0                          |
|                | <b>TOTAL</b>              | <b>339.98</b>               | <b>222.46</b>                | <b>----</b>                               | <b>155</b><br><b>5</b> | <b>1555</b>                  | <b>0</b>                   |

Source: Regional Manager, GIDC, Anand.



**4.6 Industries Associations in Anand District :**

| <b>Sr. No.</b> | <b>Name and address</b>  | <b>Tele. No.</b>                  |
|----------------|--|-----------------------------------|
| 1.             | Vithal Udyognagar Industries Association,<br>152-A, Community Hall,<br>Near GIDC Office,<br>Vithal Udyognagar-388121,<br>Tal. Dist. Anand. | (02692) 236186/<br>235456         |
| 2.             | Anand Industrail Estate,<br>29, Jivan Krupa, Borsada Chokdi,<br>Borsad Road, Dist. Anand.<br>388001  | 02692-262541/244191<br>9825770799 |
| 3.             | Petlad GIDC Industries Association,<br>Petlad-388 450,<br>Dist. Anand.   | (02697)223275/<br>225376          |
| 4.             | Petlad Chamber of Commerce &<br>Industries Association, C/o.Girish<br>Shah & Co.Patel Market, Station<br>Road,Petlad-388450, Dist.Anand.   | 02697-224114                      |
| 5.             | The President,<br>Sojitra GIDC Ind.Association,<br>P.No.75/76, GIDC Estate,<br>Sojitra-387240, Dist. Anand.                                | 02697-233183/233149               |
| 6.             | Borsad Dist. GIDC Ind. Assciation,<br>GIDC Estate,<br>Vasana, Tal. Borsad.<br>Dist. Anand.   | (02696) 220797/228329             |

|     |  |  |
|-----|--|--|
| 7.  | Umreth GIDC Ind. Association,<br>C/o.Delux packaging<br>P.No.104/106, GIDC,<br>At & Post Umreth,<br>Dist. Anand.   | (02696)277440/276231                       |
| 8.  | Khambhat GIDC Industries<br>Association,C/o. Ambica Sagol<br>Factory, GIDC Estate,<br>At& Post Kansari, Tal.Khambhat,<br>Dist. Anand.  | (02698) 221119/<br>220911<br>02698-221363- |
| 9.  | Khambhat Diamond Association, C/o.<br>Vir Bhagat Sinh<br>Complex,Paniyari,Khambhat,<br>Dist. Anand.  |  |
| 10. | Khambhat Taluka Ind. Association,<br>C/o.Ekta Food,<br>At & Post Sokhada, Tal. Khambhat-<br>388620,<br>Dist. Anand.  | 02698-220336/222434                        |
| 11. | Vasad Dal Udpadak Mandal,<br>Station Road, At & Post Vasad,<br>Tal. Dist. Anand.   | 02692-244741                               |
| 12. | Federation of Association of Small<br>Industries of India(FASII)<br>C/o. M/s.Vidya Wires Pvt. Ltd.,<br>123, Vitthal Udyognagar,<br>Vallabh Vidyanagar-388 121<br>Dist.Anand. | 02692-233125/236125                        |
| 13. | Power Loom Association, Pith Bazar,<br>Kothi Pado, At.Khambhat,<br>Dist.Anand  | 02698-221942                               |

|     |  |              |
|-----|--|--------------|
| 14. | Vasad Dal Utpadak Mandal, Station Road, C/o.Harikrishna Pulse Mill, Vasad, Dist.Anand                    |              |
| 15  | Tarapur Chamber of Commerce & Ind., C/o.Jan Mangal Auto Part, Nr.highway Char Rasta, Tarapur, Dist.Anand | 02698-255303 |

#### **4.7 MARKETING & CO-OPERATIVES**

The District headquarter Anand has one regular market and each taluka headquarters has marketing facilities in the district. A well developed market system implies for return of produce to farmers curbing of malpractice in trade providing better facilities and amenities. There are 8 agricultural produce market committees (APMC), 8 other market yard and 9 Sub-market yards in in Anand district.

#### **4.8 THE DETAILS OF APPROVED VOLUNTARY ORGANISATION (NGOS) IN ANAND DISTRICT IS AS UNDER :-**

| <b>Sr. No.</b> | <b>Name of NGO</b>           | <b>Place</b>                                    |
|----------------|------------------------------|---|
| 1              | Shri Rastriya Kelvani Mandal | Satya Gruh Chhavni,<br>Ta.Borsad,<br>Dis. Anand |
| 2              | Jagruti Mahila Sangathan     | Nr. Grid, Lambhel Road,<br>Dist. Anand,         |
| 3              | Jivanprakash Trust           | P.O.-16, Sarsa<br>Ta & Dist.-Anand              |

|   |   |  |
|---|---|--|
| 4 | Shri Ashapura<br>Vividhlakshi<br>Charitable Trust | Main Bazar, Dhuvaran<br>Ta.-Khambhat,<br>Dist. Anand,                              |
| 5 | Shri Navjivan Gram<br>Vikas Kendra                | Nr. Tekriya Pura<br>Madhyamik Shala,<br>MadhyamikShala,Navad, Borsad,<br>Dis.Anand |
| 6 | Shri Pitheshwari<br>Charitable Trust              | Govindbhai Gajjar,<br>Vadapole, Nr.<br>Nutan<br>Nagrik Bank, Khambhat              |
| 7 | Prampujya Dindayal<br>Upadhyay<br>Gramodyog Trust | Suryanagar Society,<br>Ta.-Khambhat,<br>Dist.-Anand                                |

**(Source : DRDA, Anand)**

#### **4.9 Group-wise Co-operative Societies:**

The co-operative marketing system has been developed in the district. This facilities the farmers for the sale and purchase of the agricultural commodities, saves them from illicit weight and commission agents. The co-operative sector has a broad-based efficient structure in the district. The tables given hereafter give details of co-operative societies registered in Anand district.

**Group-wise Co-operative Societies:**

| <b>Sr. No.</b> | <b>Category</b>                            | <b>No. of Societies</b> |
|----------------|--|-------------------------|
| 1              | Dairy Co-operative Societies               | 403                     |
| 2              | Fisheries Co-operative Societies           | 05                      |
| 3              | Housing Co-operative Societies             | 268                     |
| 4              | Irrigation, Lift Co-operative Societies    | 118                     |
| 5              | Non-agriculture Co-operative Societies     | 253                     |
| 6              | Primary Agriculture Co-operative Societies | 216                     |
| 7              | Industrial Co-operative Societies          | 66                      |
| 8              | Transport Co-operative Societies           | 01                      |
| 9              | Consumer Co-operative Societies            | 84                      |
| 10             | Agriculture Farming Society                | 22                      |
| 11             | Selling Co-operative Societies             | 81                      |
| 12             | Labour Co-operative Societies              | 48                      |
| 13             | General Co-operative Societies             | 10                      |
| 14             | Others Co-operative Societies              | 20                      |
| <b>TOTAL →</b> |  | <b>1595</b>             |

(Source : District Registrar, Co-operative Society, Anand)

#### 4.10 **EDUCATION & TRAINING**

The role of Educational Institutions and Technical Training Institutions are much vital for industrial development in the area. The development of physical infrastructure and on enabling legal and regulatory frame work for private investment will be essential for the future expansion of the state economy. A principal asset to any district or state for the development of human capital is its education system. Details of Schools, Colleges and Institute in the Anand district are as under :

**(A)** The details of schools available in the district as on **31/03/2012** is as under:

| <b>Sr. No.</b> | <b>Description</b>                    | <b>Nos.</b> | <b>Teacher (Nos.)</b> | <b>Students (Nos.)</b> |
|----------------|---------------------------------------|-------------|-----------------------|------------------------|
| 1              | Primary Schools<br>(Std. 1 to 5)      | 1367        | 1596                  | 191048                 |
| 2              | Upper Primary Schools<br>(Std.6 to 8) |             | 8806                  | 225403                 |
| 3              | Secondary/<br>Higher Schools          | 321         | 2937                  | 102826                 |

Source: District Primary Education Office &

District Education Office, Anand

**(B) Details of Colleges & Technical Education & Training Institutes**

(A) Colleges Affiliated to Sardar Patel University : 93

**(B) Anand Agricultural University:**

Jurisdiction is Spread over the district of Anand, Ahmedabad, Kheda, Vadodara, Panchmahal & Dahod of the Gujarat State.

**FACTULTY OF AGRICULTURE**

- ☐ P.G.
- ☐ Dairy
- ☐ Veterinary Science and Animal Husbandry
- ☐ Food Processing Tech. & Bio Energy
- ☐ Agricultural Engineering & Technology
- ☐ Agricultural Information & Technology

At Present there are

03 Colleges

17 Research Centres and

06 Extension Education Institutes working in 6 District in Anand

- ☐ B.A.College of Agriculture
- ☐ Sheth M.C. College of Dairy Science

17 Research Stations

01 Extension Education Institute

22 Extension Education Centres.

**CHARUSET UNIVERSITY AT CHANGA. DIST. ANAND FACULTIES & INSTITUTES OF CHARUSAT.**

1. Charotar Institute of Technology-Changa

All the Programmes at **CITC** are approved by the all India Council for Technical Education (AICTE)

2. Charotar Institute of Computer Application
3. Ramanbhai Patel College of Pharmacy

4. Indukaka Ipcowala Institute of Management
5. P.D.Patel Institute of Approved Science
6. Dr. K.C. Patel R & D Centre
7. Charotar Institute of Physiotherapy
8. Charuset Institute of Nursing

(C) Colleges Affiliated to Gujarat University in Anand Dist. : 16

(D) Polytechnic College : 01

(E) The Details of ITIs are as under.

**(A) Governement ITIs**

- |    |                    |   |          |
|----|--------------------|---|----------|
| 1. | ITI                | - | Khambhat |
| 2. | Smt. D.S.Patel ITI | - | Vasad    |
| 3. | Govt. Women ITI    | - | Anand    |
| 4. | Govt. I.T.I.       | - | Umreth   |
| 5. | Govt. I.T.I.       | - | Tarapur  |

**(B) Govt. Aided Centres of ITIs in Anand Dist.**

- |    |                                |   |                        |
|----|--------------------------------|---|------------------------|
| 1. | R.K.Technical Institute        | - | Sunav. Tal. Petlad     |
| 2. | V.N.Multipurpose Highschool    | - | Dharmaj, Tal Petlad    |
|    | ITI Centre Pattern Course      |   |                        |
| 3. | R.K.M. Technical Institute     | - | Borsad                 |
| 4. | Khambholej Technical Institute | - | Khambholej, Tal. Anand |
| 5. | J.V. Patel ITI                 | - | Karamsad, Tal. Anand   |
| 6. | ITI Operated by                | - | Anand                  |
|    | Ramkrushna Seva Mandal         |   |                        |
|    | Anand Highschool               |   |                        |
| 7. | ITI Operated by the Umresh     | - | Umreth                 |
|    | Urban Co.Op. Bank Ltd.         |   |                        |
| 8. | Mahasukhlal Bhailalbhai ITI    | - | Khambhat               |



- |     |                                |   |                        |
|-----|--------------------------------|---|------------------------|
| 9.  | C.K. Patel Technical Institute | - | Nar, Tal. Petlad.      |
| 10. | Chimanbhai M. U. Patel ITI     | - | New Vallabhvidya Nagar |

#### **4.8 BANKING & FINANCE**

Finance is the most important items for industrial development. To meet the financial need of the people of Anand district, a large number of banks are functioning under the lead bank scheme of Reserve Bank of India. Bank of Baroda has been assigned the role of co-ordinating the activities of various financial institutions for the development purpose of the district. It has so far prepared a number of action programmes embracing all economic activities. The growth of financial institutions in any region is an important indicator of economic development and progress of that region. The capacity of people to generate and save money has a direct bearing on their economic well being. It is reflected in the volume of operations handled by the various financial institutions operating in that area.

Anand District is having good net work of Bank Branches, which will take of credit delivery system in the implementation of credit plan. At present the district is having 292 branches.

The concept of service area approach was introduced from 1st April 1989 with the main objective of increasing productivity, production and income level of rural people. For proper and planned development, specific villages were earmarked as service area of each bank branch. The important feature of this approach is the emphasis given on credit planning by bank branches at the grass root level by directly involving them in the development of assigned area. Service area approach envisages the active participation of Banks, Central & State Govt. Agencies, NABARD and RBI.

The details of bank branches in Anand district is as under:

| <b>Banks</b>           | <b>Nos.</b> |
|------------------------|-------------|
| Nationalized Banks     | 217         |
| Co-operative Banks     | 39          |
| Land Development Banks | 04          |
| Pvt. Sector Banks      | 32          |
| <b>Total :</b>         | <b>292</b>  |

The various Schemes implemented in Anand District are as under :

### **1. SWARNA JAYANTI GRAM ROZGAR YOJANA(SGSY ):**

#### **Objective :**

To raise individuals/groups of rural poor above poverty line cover a period of time. Assisted poor family (individual or group) are called Swarozgaries. SHGs may be informal groups of registered under Societies Act, Co-op. Act or partnership Act. Family for SGSY means husband, wife, dependent parents, children, brothers and sisters. In rural area, SHSGs to be given preference. 50% of SHSG should be from women.

**Eligibility :** Rural poor identified through BPL census duly approved by Gram Sabha. Selection of families below poverty line is done by three member team of TDO/BDO, Bank representatives and Sarpanch.

- SHG's consisting 10 to 20 members. In difficult areas or for minor irrigation and disabled persons, group may be of 5-20 persons.
- Loan will be available only when borrowers undergo a basic orientation training programme up to 2 days. (Expenses to be met by District Rural Development Agency) loan application disposal within 15 days- max. One month.

**Funding/Implementation:** Scheme is funded by the Centre and State in the role of 75:25 and implemented by Commercial Banks, RRBs and Co-op. Banks,

other Panchayat Raj Institution, DRDAs, NGOs, Technical Institutions are involved in the process of planning implantation/ monitoring.

**Activities:** Economically viable and productive, farm sector and non farm sector activities identified for each block by TL-SGSY Committee and approved by Dist. Level SGSY Committee.

**Amount of Loan :** As per unit cost prescribed by NABARD for farm activities and by SGSY Committee for other activities, full unit cost to be financed by bank as composite loan. Disbursement up to Rs.10,000/- in cash are permitted. Multiple dosed of credit are preferable (even during currency of the existing loan) till the borrower crosses poverty line.

- SHGs can be allowed **Revolving Fund** consisting of subsidy (equal to group corpus) given to Bank by DRDA, Minimum Rs.5000/- & maximum Rs.10,000/- and bank cash credit in multiple of group corpus maximum being 4 times of the corpus (corpus include cash with SHG, balance in SB a/c. And loan recoverable from group members.
- Consumption loan up to Rs.2000/- can be allowed per Swarojgari.
- In case of SHGs that are expected to cross over the BPL with little extra assistance, DRDA may consider giving a 2<sup>nd</sup> dose of subsidy fund upto Rs.20000/- inclusive of Rs.10000/- given earlier.

Reservation : Women – 40% SC/ST – 50% disabled – 3%

Classification: Weaker section of advances under priority sector.

Susidy :Uniform @30% of project cost, maxi Rs.7500/-

- For SC/ST @ 50% of project cost, maxi. Rs.10,000/-
- For groups of Swarojgaries/SHGs@50% of project cost, maximum Rs.1.25 lac subject to maximum per capita being Rs.10,000/-
- No monetary ceiling on subsidy for irrigation project
- If loan is repaid earlier, subsidy is available in prorated basis
- In revolving fund, Cash Credit can continue till SHG exist with annual review.

Margin: Subsidy may be treated as margin money

Security: For individual loan up to Rs.50,000/- and group loans up to Rs.5 lakh, the assets created out of loan would be hypothecated as security. For

loan exceeding the above amount, bank may take collateral/third party guarantee.

Repayment : 5 to 9 years. Repayment amount not to be more than 50% of incremental income.

**Insurance:** For availing group insurance, the max. Age of swarojgaris shall be 60 years. The insurance coverage, however, would be for 5 years or till the loan is repaid, whichever is earlier, irrespective of the age of the swarozgaris at the time of sanction of loan.

### **SWARNA JAYANTI SHEHRI ROZGAR YOJANA(SJSRY):**

Launched : Revised 01.4.2009

Objective: To provide gainful unemployment to urban poor living below the urban poverty line, unemployment or under employed and development of women & children in urban areas(DWCUA) group. In this scheme other schemes were merged viz. Nehru Rojgar Yojana, basic services for the poor and Prime Minister's Integrated Urban Poverty Eradication Programme. Scheme is funded by Central & State Government in 75:25 ratio.

Where Applicable : All urban towns including semi-urban towns in India

Eligibility: Banks provide loan under URBAN Self Employment Programme both to urban unemployed/under-employed and NWSP group of at least 5 women.

- Unemployed youth below urban poverty line, including under partnership.
- No age limit is prescribed under the scheme.
- Training : Compulsory requirement for the loan
- Defaulters would not be eligible
- Family defined on the basis of independent kitchen
- Income criteria for eligibility: Urban poor BPL with Annual family income less than Rs. 23,390/-.
- Implementation – Urban local Body/Municipal Committee/Nagarpalika
- Purpose: For setting up of self-employment ventures. Project cost upto Rs.200,000/- will be financed.
- Amount of loan is 95% of project cost subject to ceiling of Rs.190000/-
- Margin : 5% of the project cost.

Reservation : Women: 30%, disabled:3%,SC/ST in ratio of SC/ST to local population.

Classification: Advance will be treated as weaker section advances.

Subsidy : 1) Loan amount up to Rs. 10000/- : 50% for SC/ST and 25% for others of the project cost.

- 1) Loan amount above Rs. 10000/- to Rs. 20000/- Maximum up to Rs.10000/- : 50% for SC/ST and 25% for others of the project cost . Max. Rs. 10000/-for individual and for group of SHG's 50% subject to ceiling of Rs. 1.25 lakh. Subsidy available on back-ended basis and To be kept in subsidy reserve fund.

Security: Assets created out of banks advance can be charged.

Collateral security: No collateral security or third party guarantee for individual loan up to Rs.200,000/- and Group loans upto Rs.3 lacs.

Repayment & Moratorium: 3 to 7 years with moratorium of 6 to 18 months where necessary.

## **2. PRIME MINISTER'S EMPLOYMENT GENERATION PROGRAMME (PMEGP):**

**Launched: PMEGP a revolutionary decision of the MSME, Govt. of India by merging PMRY and REGP Schemes.** The scheme was launched on 15<sup>th</sup> August, 2008.

### **Main Objective:**

- (i) To generate employment opportunities in rural as well as urban areas of the country through setting up of new self-employment ventures/projects/micro enterprises.
- (ii) To bring together widely dispersed traditional artisans/rural and urban unemployed youth and give them self-employment opportunities to the extent possible at their place.
- (iii) To provide continuous and sustainable employment to a large segment of traditional and prospective artisans and rural and urban unemployed youth in the country, so as to help arrest migration of rural youth to urban areas.
- (iv) To increase the wage earning capacity of artisans and contribute to increase in the growth rate of rural and urban employment.

**Nodal Agency:-**

KVIC is the Nodal agency at national level to implement the scheme across the country.

**Implementing Agencies & Area:**

KVIC and KVIBs in rural areas of the country and DICs in both rural and urban areas of the country.

**Rural Area:**

- (i) Any area classified as village as per the revenue record of the State/Union Territory, irrespective of population.
- (ii) It will also include any area even if classified as town, provided its population does not exceed 20000 persons.

**Maximum Project Size:**

Rs.25.00 lakhs for manufacturing sector and Rs.10.00 lakhs for business/service sector

**Educational Qualification:**

Minimum 8<sup>th</sup> pass for the project cost above Rs.10.00 lakh under manufacturing sector and above Rs.5.00 lakh project cost under service sector.

**EDP Training:**

2 weeks EDP training is mandatory. After completing EDP training only, first instalment of Bank loan will be released. Person's already undergone training of 2 weeks will be exempted for further training.

**Selection of Beneficiaries:-**

Beneficiaries will be selected through interview process by the District Task Force Committee headed by the District Magistrate/Dy. Commissioner/Collector.

**Project Sanction:**

Project will be sanctioned by financing branches of the Banks as per techno-economic viability.

**Amount of Bank Loan:**

Bank sanction and release 90-95% loan of the sanction project cost.

**Own Contribution:**

10% of the project cost in case of general category and 5% in case of weaker section beneficiaries.

**Govt. subsidy level under the scheme:**

| Categories of beneficiaries under PMEGP   | Owner's contribution of Project Cost | Rate of Subsidy of Project Cost | Rate of Subsidy of Project Cost |
|---|--------------------------------------|---------------------------------|---------------------------------|
| Area(Location of Project/Unit)  |                                      | Urban                           | Rural                           |
| General Category  | 10%                                  | 15%                             | 25%                             |
| Special(including SC/ST/OBC/Minorities/ Women, Ex-Serviceman, Physically Handicapped, NER, Hill and Border Areas) | 05%                                  | 25%                             | 35%                             |

Note: (1) The maximum cost of the project/unit admissible under manufacturing

Sector is Rs.25 lakh

(2) The maximum cost of the project/unit admissible under business/service Sector is Rs.10 lakh

(3) The Balance amount of the total project cost will be provided by Banks as Term loan

**4. SCHEME FOR REHABILITATION OF MANUAL SCAVANGERS (SRMS):-**

The Govt. of India launched a national scheme for rehabilitation of manual scavengers and their dependants from their existing hereditary and obnoxious occupation of manually removing night soil and to provide them alternative and dignified occupation within a period of five years.

The time bound programme has been launched for identification of scavengers and their dependants for alternative trade through survey. The schemes

envisages for rehabilitation of scavengers in various trades and occupations by providing subsidy/margin and bank loan.

The loan application are sponsored by Asstt. Manager, GSKVN, GOG and Guj. Safai Kamdar Vikas Nigam, Gandhinagar. the subsidy will be 50% of project cost with maximum subsidy ceiling of Rs.10,000/- up to project cost of Rs.50,000/-.

#### **5. VAJPAYEE BANKABLE YOJANA (VBY):-**

Govt. of Gujarat has declared a new scheme "VAJPAYEE BANKABLE YOJANA' w.e.f. 01/4/2011. the new scheme will be in place of present "DIC BANKABLE YOJANA" and VAJPAYEE YUVA SWAROJGAR YOJANA".

- All nationalized RRBs & Co-operative Banks finance in this scheme.
- A limit will be Rs.3.00 lacs for industry and service sector & Rs.1.00 lac for Business sector.
- Subsidy for Business Rs.10,000/- for Service Rs.15,000/- and for Industry Rs.30,000/-

|     |                     | SC  | ST  | GEN | HANDI |
|-----|---------------------|-----|-----|-----|-------|
| i)  | Up to Rs.30,000/-   | 40% | 40% | 25% | 50%   |
| ii) | 30,001 to 3.00 lacs | 30% | 25% | 20% | 40%   |

Implementing agency is District Industries Centre in the Navsari.

#### **6. GSCEDC: (Gujarat Schedules Caste Economic Development Corporation)**

The scheme is implemented through District Manager, Gujarat Scheduled Cast Devp. Corporation at district level for specially Scheduled Cast unemployed persons. the subsidy is Rs.10,000/- for 50% of the project cost whichever is less. Project cost Business sector Rs.1.00 lac, Industry & Service sector Rs.2.00 lacs.

#### **7. Development Caste Welfare Dept. (DCWD) (earlier known as GBCEDC)**

The Scheme is implemented through Social Welfare officer(VJ) by Gujarat Backward Class Devp. Corporation in the district for unemployed specially Baxi Punch Community persons. the subsidy is 33.33% of the project cost or maximum Rs.10000/- whichever is less. Maximum project cost up to Rs.35000/-.

The scheme also eligible for minority's community implemented through MB-GBCDC.



### **8. Gujarat Women economic Development Corporation (GWED) :**

The Scheme is implemented through Gujarat Women Economic Devp. Corporation Gandhinagar for specially women beneficiaries. The scheme is eligible for project cost upto Rs.50000/- and the eligible subsidy is as per VBY scheme. Maximum subsidy limit for Business Rs.7500/- Service Rs.10000/- & Industry Rs.12500/-.

### **9. DRI Advance:**

This scheme is launched in 1972 to assist poorest of the poor & to bring them above poverty line.

**Eligibility Criteria Income-** Individuals whose family income not to exceed Rs.18000/- for Rural people & Rs.24000/- for Urban people.

**Maximum Loan Amount:** - The loan amounts under this scheme now stand at Rs.20000/- for Housing loan and Rs.15000/- for other purposes. This change will result in the number of eligible borrowers under DRI Scheme.

**Rate of Interest** – 4% per annum.

**Repayment** – Maximum 5 years including grace period upto 2 years depending upon the activity.

**Security-** Hypothecation of assets created & DP.

Note. No Collateral required.

### **10. SELP HELP GROUP/ Sakhi Mandal/ NRLM (AJEEVIKA) :**

State Government through Mission Manglam proposes to develop a model of inclusive development through Social business enterprise. The concept envisages integration of Self Help Groups and their federation into value chain of investors. The Gujarat Livelihood Promotion Company Ltd. (GLPC) is formed with a view, among others, to empower more than two lakhs mandals/ Self Help Groups through Bank finance. The salient features of the Self Help Groups (SHGs) schemes are as follows.

- A) Ensure that the banks undertake the grading exercise of all the six months completed SHGs/Sakhi Mandals within 30 days of the group completing 6 months.
- B) The member bank shall extend micro-credit in the form of cash credit amounting to minimum of Rs. ONE lakh to all the SHGs/Sakhi Mandals passing exercise.
- C) Finalise uniform guiding of SHGs/Sakhi Mandals in an objective & systematic manner.
- D) Provide training & capacity building to the Branch managers.
- E) Regular monitoring and capacity building of the SHGs/Sakhi Mandals to ensure proper utilization of the funds & improve the credit worthiness of the SHGs/Sakhi Mandals.
- F) Monitor the progress & assure universal financial inclusion in the state of Gujarat.
- G) Providing 100 refinances from NABARD to the banks against their lending to the SHGs/Sakhi Mandals.
- H) Fast track processing of applications & disbursement of loans
- I) 5% Interest subsidy on SHGs/Sakhi Mandals loan scheme implemented through Mission Manglam. (DRDA)

## **11. Pradhan Mantri Jan-Dhan Yojana (PMJDY)**

National Mission on Financial Inclusion named as Pradhan Mantri Jan-Dhan Yojana (PMJDY) has been launched on 28<sup>th</sup> August 2014. The mission will be implemented in two phases. Phase (i) : From 15<sup>th</sup> August 2014 to 14<sup>th</sup> August 2015 which will aim at covering all households with at least one basic banking

account with RUPAY Debit Card having in built accident insurance cover of Rs. 1 lakh. Further, an overdraft facility up to 5,000/-will also be permitted to Aadhar enabled accounts after satisfactory operation in the account for six months. Under phase (ii), starting from 15<sup>th</sup> August 2015 to 14<sup>th</sup> August 2018, efforts will be made to provide micro insurance and launch unorganized sector pension schemes. The major shift in this programme is that households are being targeted and both rural and urban areas.

(Source : Lead Bank, BOB, Anand)

### **5.14 GROWTH CENTERS:**

Growth Centers which helps the administrative and Non-administrative agencies to establish and fasten the industrialization in the district are as under:

#### **(1) Quality State Export Corporation:**

In the year 1966 Gujarat Government had established Gujarat State Export Corporation, which monitors the quality of the goods to be exported to the other foreign countries. Besides, it provides valuable guidance and issues instructions about the import-export services to the entrepreneurs functioning in the export-import sector. Incorporated by the Government of Gujarat. Gujarat State Export Corporation (GSEC) is also authorized Export House declared by the Government of India.

#### **(2) Gujarat State Industrial Development Corporation(GIDC):**

With a view to fasten the industrialization in the State and to provide all type assistance and guidance to the new entrepreneurs and the existing one, GIDC is established by the Government of Gujarat. It helps the entrepreneurs in procuring industry base sheds, formation of industrial plots, provide basic infrastructural necessary facilities to the various industries viz.-a-viz. roads, electricity, drainage, telephone lines, canteen, shopping centers, fire safety services etc.

#### **(3) District Industries Center (DIC):**

In the year 2004-04, 24 District Industries Centre (DIC) were established in Gujarat State. The main objective of establishing DIC is to provide all assistance under one umbrella to the entrepreneurs engaged in dispersed area and diversified industries and to those proposing to establish a fresh small and cottage industries. The perspective entrepreneurs get all type of assistance like credit, raw materials, power, land and building from DIC. Even for follow up of larger projects having investment up to Rs. 100 Crore, where the corporate office is in Gujarat, DIC extends its assistance for speedy implementation of the projects.

The working of all DIC is motivated by the Monitoring Cell established in the office of the Industries Commissioner. The progress achieved by each DIC is monitored every month by the Industries Commissioner in the meeting of all General Managers of the District Industries Centres.

At the district level, there is District Industries Executive Committee with Member of Parliament (MP) or Collector as the Chairman. This Committee meets periodically to discuss and solve the problems of Industrialists with the help of DIC.

In order to achieve better Co-ordination between different agencies and to solve the problems of entrepreneurs, a "Single window Industries Follow Up Team (SWIFT)" has been constituted in all the districts under the Chairmanship of Collector of the district.

Moreover, the arrangement has been made for the applicant to have proper guidance and authentic information of various schemes implemented by District Industries Centres (DICs) with establishing the 'Citizen Charter Centre' in all DICs.

## **Functions of DICs**

### **Registration**

- EM Part-I acknowledgement
- EM Part-II acknowledgement
- Lubricating, Oil, Grease License

### **Recommendation:**

- Land recommendation for N.A.

### **Incentive Scheme:**

### **Seminars:**

- District or Taluka Level

- Buyer-Seller & Exhibition

### **Others Activities:**

- # Recovery of Package Loan margin Money Loan & Subsidy
- # Welfare of Salt Workers and Recovery of Royalty from Salt Workers.
- # Follow up of Industrial Approvals.
- # Follow up of units which have availed benefits under incentives schemes

### **Self Employment scheme:**

1. Recommendation of loan applications under Vajpayee Bankable Scheme
2. Recommendation of loan application under PMEGP Scheme
3. Manav Kalyan Yojana – Tool kits to artisans.

### **Co-operative Package Scheme**

1. Package Scheme
2. Handloom Development Scheme
3. Training & Production centre
4. Woolen Carpet Centre
5. Weaving Scheme
6. Recovery of Loan & Share contribution of Co-operative Societies
7. Liquidation of Industrial Society
8. Preparation of Project Profiles
9. Audit of Industrial Society
10. Gramodyog Vikas Kendra
11. Hastakala Mela

At present 32 Nos. of District Industries Centre (DIC) are functioning in Gujarat State out of total 33 districts of Gujarat. The main objective of establishing DIC is to provide all assistance under one umbrella to the entrepreneurs engaged in dispersed area and diversified industries and to those proposing to establish a fresh small and cottage industries. The perspective entrepreneurs get all type of assistance like credit, raw materials, power, land and building from DIC. Even for follow up of larger

projects having investment up to Rs. 100 Crore, where the corporate office is in Gujarat, DIC extends its assistance for speedy implementation of the projects.

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Moreover, the arrangement has been made for the applicant to have proper guidance and authentic information of various schemes implemented by District Industries Centres (DICs) with establishing the 'Citizen Charter Centre' in all DICs.

The small and medium enterprises as classified above are required to file Entrepreneurs Memorandum (EM) Part-I to District Industries Centre for starting an industrial project. On completion of the project, the entrepreneur is required to file Entrepreneurs Memorandum (EM) Part-II with DIC.

The District Industries Center conducts various training programs for beneficiaries. Apart from assisting in implementation of Vajpayee Bankable scheme, Jyoti Gramodyog Yojana, Prime Minister's Employment Generation Programme (PMEGP) etc., DIC also looks after KVIB Schemes implemented in the district.

The DIC and KVIB are involved in extending assistance to rural / artisans and entrepreneurs. Marketing of the manufactured goods is taken care of by the artisans themselves and is therefore a major problem for individual artisans. Bank of Baroda has a Rural Self-employment Training Institute in Vadodara city to cater to the training needs of educated unemployed youth of the district, to make them market ready for undertaking employment generating activities. GoI, Ministry of Labour has a special institute in Vadodara for Vocational Training for Women.

### **Udyog Aadhaar Memorandum :**

As a part of Ease of Doing Business now Enterprise acknowledgements are made further simpler and easy under MSMED Act 2006. Now, Ministry of MSME has notified a one-page Udyog Aadhaar Memorandum (UAM) through the Gazette of India on 18/09/2015. The simplified one page registration form (Udyog Aadhaar Memorandum) was prepared after wide consultations with States/UTs and other stakeholders. The UAM replaces the filling of EM Part I & II.

Udyog Aadhaar Memorandum on <http://udyogaadhar.gov.on> or National Portal <http://msme.gov.in/UA/UdyogAadhar-New.aspx>

The procedure for filling of Udyog Aadhaar Memorandum are as under:

- 1) There is no any fee for filling of Udyog Aadhaar Memorandum
- 2) Udyog Aadhaar Memorandum shall be filed online at <http://udyogaadhar.gov.on> or National Portal <http://msme.gov.in/UA/UdyogAadhar-New.aspx> by every MSME but in exceptional cases where online filing is not possible for any reason, a hard copy of the form as in Annexure I, duly filled in may be submitted to the Concerned DIC which shall file the UAM on behalf of such enterprise.
- 3) Udyog Aadhaar Acknowledgement as per Annexure II appended to this shall be generated and mailed to the email address provided in the Udyog Aadhaar Memorandum which shall contain Unique Udyog Aadhaar Number.
- 4) Existing enterprises, which have filed EM –I or EM-II or both, or holders of Small Scale Industry registration, prior to the coming into force of MSME Development Act, 2006 shall not be required to file Udyog Aadhaar Memorandum.
- 5) In UAM, the Aadhaar Number shall be of the managing partner, in case of proprietary enterprise, of the authorised partner, in case of partnership enterprise, and of the authorised person, in case of other forms of enterprise.
- 6) There shall be no restriction on filling more than one UAM using the same Aadhaar Number.

- 7) The Udyog Aadhaar Memorandum shall be filed on self-declaration basis, and no supporting document is required to be uploaded or submitted while filing the UAM. But the authorized person by any Government in this behalf may seek documentary proof of information provided in the Udyog Aadhaar Memorandum , wherever necessary.

**INDUSTRIAL POLICY :**

The Government of Gujarat has formulated and announced a comprehensive Industrial Policy: " Gujarat Industrial Policy – 2015 ".The list of Policies in Gujarat is as under.

- 1) New Industrial Policy 2015
- 2) Exim Policy
- 3) Tourism Policy
- 4) Mining Policy
- 5) IT Policy
- 6) E- Governance Policy
- 7) Port Policy
- 8) Power Policy
- 9) Assistance to Manufacturing Sector - 2013
- 10) Gujarat Textile Policy-2012

For Srl No. 1 to 8 , the detailed information can be availed at website of [www.ic.gujarat.gov.in](http://www.ic.gujarat.gov.in) under the link **Industrial Policy** & for Sr. No. 9 & 10 under the link **Incentive Scheme** on the same website.



## **CHAPTER-VI**

### **PRESENT INDUSTRIAL STRUCTURE**

#### **5.1 INTRODUCTION :-**

The Central and State Govt. pay special attention to develop backward talukas in district through industrialisation. Mainly Anand Taluka has developed in the industrial activity whereas other talukas are not so developed. The abundance of Agricultural produce in the district is stimulating the growth of Agro-based industries in the region. Cotton, oil seeds, rice, tobacco and pulses have had their processing from time immemorial in this area. With the passage of time industrial base of the district seems to have undergone diversification with the advent of sophisticated product lines like chemicals, glass and wood industries. Anand, Petlad and Khambhat were some of the important industrial trading Centres.

Since the land is limited, industry provides alternative activities for economic development of the district. The district administration is attracting new entrepreneurs through various benefits of cash subsidy, tax exemptions, concessional rates of interest and other liberalized terms and conditions. This has provided very good opportunities for industrialization of the district.

#### **5.2 MSME ACT-2006**

The New MSMED ACT – 2006 came into force from 02.10.2006 by Central Government. The earlier concept of 'Industries' has been changed to 'Enterprises'

- Enterprise have been classified broadly into:
  - a) Manufacturing Units
  - b) Service Sector Units
- Manufacturing Enterprises have been defined in 3 categories in terms of Plant & Machinery (excluding Land & Building).

| <b>Sr. No.</b> | <b>Category – Type of Units</b> | <b>Investment in Plant &amp; Machinery</b>  |
|----------------|---------------------------------|---|
| 1              | Micro Enterprises               | Upto Rs. 25 Lakhs                           |
| 2              | Small Enterprises               | More than Rs. 25 Lakhs & upto Rs. 5 Crores  |
| 3              | Medium Enterprises              | More than Rs. 5 Crores & upto Rs. 10 Crores |

- Service Enterprises have been defined in 3 categories in terms of their investment in Equipment (excluding Land & Building).

| <b>Sr. No.</b> | <b>Category – Type of Units</b> | <b>Investment in Equipment</b>             |
|----------------|---------------------------------|--|
| 1              | Micro Enterprises               | Up to Rs. 10 Lakhs                         |
| 2              | Small Enterprises               | More than Rs. 10 Lakhs & upto Rs. 2 Crores |
| 3              | Medium Enterprises              | More than Rs. 2 Crores & upto Rs. 5 Crores |

### **5.3 GROWTH OF MSMEs IN ANAND DISTRICT :-**

Most of the MSME industries are located in and around Anand, Petlad, Khambhat, Umreth.

#### **INDUSTRIAL STATISTICS: Micro, Small & Medium Enterprises:**

Year wise No. of Regd. Units, Investment & Employment of Anand district for Micro, Small & Medium Enterprises are as under :

**(A) Progress in Micro Enterprises Registration:-**

| <b>Year</b>            | <b>No. of Regd. Units</b> | <b>Investment (Rs. In Lacs)</b> | <b>Employment (Nos.)</b> |
|------------------------|---------------------------|---------------------------------|--------------------------|
| 02/10/06 to 31/03/2007 | 25                        | 382.00                          | 288                      |
| 2007-08                | 173                       | 2957.00                         | 1976                     |
| 2008-09                | 186                       | 2627.41                         | 1813                     |
| 2009-10                | 209                       | 2949.44                         | 1805                     |
| 2010-11                | 321                       | 3969.18                         | 2742                     |
| 2011-12                | 350                       | 3530.43                         | 2824                     |
| 2012-13                | 498                       | 7808.54                         | 3171                     |
| 2013-14                | 422                       | 6988.72                         | 2817                     |
| 2014-15                | 372                       | 4450.88                         | 2055                     |
| 2015-16                | 319                       | 3982.15                         | 1451                     |
| <b>Total</b>           | <b>2875</b>               | <b>39645.75</b>                 | <b>20942</b>             |

**(B) Progress in Small Enterprises Registration:-**

| <b>Year</b>            | <b>No. of Regd. Units</b> | <b>Investment (Rs. In Lacs)</b> | <b>Employment (Nos.)</b> |
|------------------------|---------------------------|---------------------------------|--------------------------|
| 02/10/06 to 31/03/2007 | 17                        | 1967.00                         | 651                      |
| 2007-08                | 78                        | 11713.86                        | 2210                     |
| 2008-09                | 50                        | 5508.49                         | 1369                     |
| 2009-10                | 37                        | 5671.41                         | 670                      |
| 2010-11                | 31                        | 4044.27                         | 682                      |
| 2011-12                | 26                        | 3090.09                         | 388                      |
| 2012-13                | 25                        | 6574.51                         | 651                      |
| 2013-14                | 50                        | 6336.34                         | 678                      |
| 2014-15                | 30                        | 3638.13                         | 462                      |
| 2015-16                | 33                        | 3162.51                         | 367                      |
| <b>Total</b>           | <b>377</b>                | <b>51706.61</b>                 | <b>8128</b>              |

**© Progress in Medium Enterprises Registration:-**

| <b>Year</b>            | <b>No. of Regd. Units</b> | <b>Investment<br/>(Rs. In Lacs)</b> | <b>Employment<br/>(Nos.)</b> |
|------------------------|---------------------------|-------------------------------------|------------------------------|
| 02/10/06 to 31/03/2007 | 1                         | 1553.00                             | 83                           |
| 2007-08                | 4                         | 4057.00                             | 590                          |
| 2008-09                | 4                         | 3216.65                             | 431                          |
| 2009-10                | 2                         | 2452.00                             | 84                           |
| 2010-11                | 1                         | 1557.00                             | 81                           |
| 2011-12                | 1                         | 3051.00                             | 45                           |
| 2012-13                | 1                         | 337.20                              | 08                           |
| 2013-14                | 1                         | 516.13                              | 47                           |
| 2014-15                | 0                         | 0                                   | 0                            |
| 2015-16                | 2                         | 2115.14                             | 40                           |
| <b>Total</b>           | <b>17</b>                 | <b>18855.12</b>                     | <b>1409</b>                  |

**Large Projects :** No. of large projects commissioned and projects under implementation 01/04/1983 to 31/05/2016 are 89 and 33 respectively.

Taluka-wise MSMEs (EM Part-II) of Anand District registered from 2/10/2006 to 30/11/2015 are as under :

| <b>Sl. No.</b> | <b>Name of Taluka</b> | <b>Units</b> | <b>Investment<br/>(Rs. In Lacs)</b> | <b>Employment<br/>(in Nos.)</b> |
|----------------|-----------------------|--------------|-------------------------------------|---------------------------------|
| 1              | Anand                 | 2107         | 69863.66                            | 20301                           |
| 2              | Anklav                | 47           | 1136.27                             | 588                             |
| 3              | Borsad                | 184          | 4806.12                             | 1685                            |
| 4              | Khambhat              | 365          | 15030.55                            | 3218                            |
| 5              | Petlad                | 255          | 8936.39                             | 2188                            |
| 6              | Sojitra               | 50           | 1046.80                             | 260                             |
| 7              | Tarapur               | 84           | 4369.61                             | 905                             |
| 8              | Umreth                | 177          | 5018.08                             | 1334                            |
|                | <b>TOTAL</b>          | <b>3269</b>  | <b>110207.48</b>                    | <b>30479</b>                    |

(Source : Office of Industries Commissioner, Gandhinagar)

1. Udyog Aadhar Memorandum registered from Sepet.15 to 09/06/2016 in Anand District is as under :

| Type of Enterprises | UAM Registered.<br>(Nos.) |
|---------------------|---------------------------|
| Micro               | 500                       |
| Small               | 218                       |
| Medium              | 17                        |
| <b>TOTAL:</b>       | <b>735</b>                |

#### 5.4 Problems of the SMEs sector:

- (1) The utmost Problem is very low awareness in MSMEs about government schemes and subsidies because of lack in corporate governance or due to communication system of the government itself. There are lots of incentive schemes and packages especially designed for MSMEs but most of the entrepreneurs remain unaware of it.
- (2) The MSEs mainly faces problems on technical, financial, managerial, marketing, socio-economic, political and other infrastructural etc. Also, capacity utilization is not achieved by the sick units.
- (4) Lack of skilled human resources has also affected the sector at noticeable level. Technology intervention is still very low in the sector. Artisans and weavers still have been remained unaware of latest designs and current market trends. They continued to manufacture products with old designs which fail to generate consistent demand in the consumer markets. There is still huge gap among the household unit owners/weavers/artisans and the designers/engineers. There is immense need to encourage engineers and fashion designers to work out with these small units' owners, weavers, designers which would be mutually beneficial and help revive the sector and make it globally more competitive. Information dissemination about availability of recent technologies, literature on modern machinery, contact details of suppliers of raw materials, buyers etc. are very essential factors for the MSMEs.

- (4) Another major problem related to payment durations normally faced by the MSME entrepreneurs. Mostly they are causing delay in payments and bad debts, which causes trouble in the working capital ratio. Low credit period provided by the suppliers and on other side late payment made by the customers also creates imbalance in the working capital.
- (5) One of the major concerns is low credit availability to the MSMEs. Though, credit to MSMEs fall under the category of priority sector lending, but with the expansion of the priority sector lending to accommodate fast growing areas such as home loans, education loans; the percentage share of credit to MSMEs have been fallen down. There is strong need to increase the target of commercial bank lending to MSMEs from 20 % year on year growth to 30% which will enhance the credit facilities to MSMEs.

## **CHAPTER-VII**

### **NEW INDUSTRIAL POSSIBILITIES**

Small scale sector plays a pivotal role in the overall industrial economy of not only in India but in the whole world and is the foundation of any Country's economy thus nicknamed a Country's backbone.

The role of Micro, Small and Medium Enterprises (MSMES) in the Economic and Social development of the country is well known. It is the nursery for entrepreneurship, often driven by the individual creativity and innovation, with a significant contribution in the Country's GDP, Manufacturing output, Exports and Employment Generation.

MSMES contribute 8 percent of the Country's GDP, 45 percent of the manufactured output and 40 percent of our exports. The labour and capital ratio in MSMEs and the overall growth in the MSME's is much higher than in the Larger Industries.

The Industrial potentialities of an area would be related (A) the resources of the area (B) the local demand (C) Some special conditions in the area. The first two sources of Industrial Potentialities are self-explanatory. The third source of Industrial Possibilities as mentioned relates to factors which is not have universal applicability but special to a particular area.

The existing industrial structure in the district shows a marked tendency of shift towards the demand based industries. This is also indicative of the fact that there does not exist much scope in the district for resource based industries. However, there cannot be any strict demarcation between the demand based and resource based industries in the matter of their respective growths.

On the basis of personal discussion with the concerned people in the trade and industry and other information from the field, it is considered that the following industries have the potential to come up in the district.

There is ample scope of further industrial growth looking at these two factors as explained below:

**A. Resource Based Industries.**

**B. Demand Based Industries.**

**A. Resource Based Industries.**

Taking into consideration the available infrastructure facilities and resources in the district and medium & large scale units operating since the last couple of years and huge investment in the projects under the implementation, following industries are considered to have ample potential. Information on potentiality of resource based industries are as follows.

**A. Food Processing & Agro Based Industries:**

| <b>Sr. No.</b> | <b>Description</b>                                   | <b>NIC- 2004 Code</b> |
|----------------|--|-----------------------|
| 1              | Fruit Canning  | 15137                 |
| 2              | Rice Mill  | 15312                 |
| 3              | Pickles  | 15136                 |
| 4              | Sugar Mills  | 15421                 |
| 5              | Paper Mill/Printing Press                            | 22211                 |
| 6              | Fruit Juices & Squashes                              | 15134                 |
| 7              | Cattle Feed  | 15331                 |
| 8              | Namkeen  | 15316                 |
| 9              | Biscuits   | 15412                 |
| 10             | Tuti Fruity from Papaya                              | 15134                 |
| 11             | Bakery   | 15419                 |
| 12             | Instant Mix e.g. Gulab Jamun mix, Dahi Vada mix etc. | 15318                 |
| 13             | Mango Juice  | 15134                 |
| 14             | Besan Mill   | 15311                 |
| 15             | Groundnut Roasting                                   | 15492                 |
| 16             | Ice Cream  | 15205                 |
| 17             | Spice Powder   | 15134                 |
| 18             | Mamara/pova  | 15319                 |
| 19             | Pop Corn   | 15497                 |
| 20             | Potato Wafer   | 15499                 |
| 21             | Onion and Garlic Dehydration                         | 15132                 |
| 22             | Dhana Dal  | 15313                 |
| 23             | Makai Poha   | 15315                 |
| 24             | Papad  | 15496                 |



**Plastics:**

|    |  |       |
|----|--|-------|
| 1  | PVC Doors & Windows                        | 25209 |
| 2  | Storage Water Tank                         | 25209 |
| 3  | Injection Moulded Items                    | 25206 |
| 4  | LDPE / HDPE Film Bags                      | 25204 |
| 5  | PVC Reinforced Suction Pipe                | 25209 |
| 6  | Polyphone Bags                             | 25204 |
| 7  | Plastic Toys                               | 36941 |
| 8  | Surgical and Industrial Gloves             | 33115 |
| 9  | Electrical & Electronics Accessories Parts | 25209 |
| 12 | Rigid Polyethylene Pipes                   | 25209 |

**Pharmaceuticals:**

|   |                        |       |
|---|------------------------|-------|
| 1 | Pharmaceutical Tablets | 24231 |
| 2 | Vitamin Mixes          | 24231 |
| 3 | Ayurvedic Medicines    | 24233 |
| 4 | Chloroquin Diphosphate | 24119 |

**Electronic Items:**

|   |                                    |       |
|---|------------------------------------|-------|
| 1 | Uninterruptable Power Supply (UPS) | 31200 |
| 2 | S.S.B. Modulators for Cable T.V.   | 31300 |
| 3 | Electronic Gas Lighters            | 31901 |
| 4 | Kisan Torch                        | 31506 |

**Electrical Engineering Items:**

|   |                                |       |
|---|--------------------------------|-------|
| 1 | PVC Cable & Wires              | 31300 |
| 2 | Metal Boxes                    | 29295 |
| 3 | Auto Electric Horn             | 31907 |
| 4 | Tube Light Starters            | 31901 |
| 5 | Electric Chokes                | 31506 |
| 6 | Electric Motor (up to 10 H.P.) | 3113  |
| 7 | Diesel Generator Set           | 31103 |
| 8 | Submersible Pumps              | 29121 |
| 9 | Tube Light Metal Fixtures      | 31109 |

**A. Glass & Ceramics:**

|   |                          |       |
|---|--------------------------|-------|
| 1 | Mirror Glass             | 26109 |
| 2 | Flooring Tiles           | 26933 |
| 3 | Decorative Ceramic wares | 26107 |
| 4 | Crockery ware            | 26105 |
| 5 | Sanitary ware            | 26914 |
| 6 | Window Glass             | 26109 |
| 7 | Glazed Tiles             | 26933 |
| 8 | Ceramic pipes            | 26921 |

**B. Chemical & Allied Products:**

|   |                         |       |
|---|-------------------------|-------|
| 1 | Soft Drink Concentrates | 24293 |
| 2 | Bon Acid                | 24116 |
| 3 | Liquid Oxygen           | 24111 |
| 4 | Pesticides              | 24219 |
| 5 | Resin, Varnish * Paints | 24222 |
| 6 | Caustic soda Flakes     | 24117 |

**Mechanical Based Items:**

|    |   |       |
|----|---|-------|
| 1  | Industrial Vales                            | 29121 |
| 2  | Reduction Gear Boxes                        | 29131 |
| 3  | Automobile Springs Coal Spring              | 29121 |
| 4  | Piston Rings                                | 29121 |
| 5  | Ball Bearings                               | 29131 |
| 6  | Refrigeration & Air Conditioning Equipments | 29303 |
| 7  | Dry Cell Batteries & Storage Batteries      | 31404 |
| 8  | Steel Rolling Mills                         | 29243 |
| 9  | Water Coolers                               | 29306 |
| 10 | S.S. Fastners                               | 28991 |

**I Livestock:**

|   |                                 |       |
|---|---------------------------------|-------|
| 1 | Bone Mill                       | 15331 |
| 2 | Tannery Industry                | 19113 |
| 3 | Poultry Farm                    | 01222 |
| 4 | Leather Footwear                | 19201 |
| 5 | Leather Decorative Items        | 19122 |
| 6 | Toys and Handicrafts from horns | 19129 |
| 7 | Wall Works                      | 19129 |
| 8 | Dairy                           | 15201 |

**J. Mineral Based Industries:**

|   |                |       |
|---|----------------|-------|
| 1 | Stone Crushing | 14106 |
| 2 | Bricks         | 26933 |
| 3 | Quarry Stone   | 14102 |

**K. Forest Based Industries:**

|   |                   |       |
|---|-------------------|-------|
| 1 | Saw Mill          | 20201 |
| 2 | Wooden Furniture  | 36101 |
| 3 | Handicrafts       | 17132 |
| 4 | Herbal Plantation | 01117 |
| 5 | Wooden tools      | 20299 |
| 6 | Plywood Chests    | 20232 |
| 8 | Mosaic Tiles      | 26921 |

**J. Textile Industries:**

|    |                       |       |
|----|-----------------------|-------|
| 1  | Hosiery               | 17301 |
| 2  | Grey Cloth Processing | 17115 |
| 3  | Twisting              | 17129 |
| 4  | Texturing             | 17121 |
| 6  | Weaving               | 17118 |
| 7  | Power Looms           | 17111 |
| 9  | Cotton knitted        | 17115 |
| 10 | Synthetic Fibers      | 17303 |
| 11 | Polyester             | 17114 |
| 12 | Acrylic Yarn          | 17114 |
| 13 | Filament Yarn         | 17114 |

**II. DEMAND BASED INDUSTRIES:****1. Agriculture Implements:**

There has been all round emphasis on the development of agriculture during the Five year Plan. As a result, farmers are going for mechanized methods of farming and demand for agricultural implements is increasing day by day. There is scope for new units in view of rising trend in the use of these implements.

Major Agriculture Implements based industries are as under:

|   |                              |       |
|---|------------------------------|-------|
| 1 | Harvester                    | 29110 |
| 2 | Dusters                      | 29211 |
| 3 | Cultivator                   | 29212 |
| 4 | Cutting Machines             | 29211 |
| 5 | Tractor                      | 29211 |
| 6 | Light Agricultural Machinery | 29212 |

**2. Readymade Garments: ( NIC-2004 – 18109)**

The demand for readymade garments has substantially increased over a period of time in urban and rural areas. Local priced readymade garments are very popular in the rural areas. Keeping in view the potential local market and labour intensive character of the industry, few units can be encouraged.

**3. Household Oriented Industries: ( NIC-2004 – 25207)**

With the growth of population, increase in the standard of living, process of urbanization and above all the demonstration effect have lead to be substantial increase in the household items. These items are aluminium containers, trays,

school boxes, lunch boxes, stainless steel plates etc. These units can be set up in the district.

4. Steel Furniture: ( NIC-2004 – 36102)

Steel Furniture items such as Chairs, Tables, Stools, Wall Racks, etc., have opportunities for new entrepreneurs. Steel furniture has almost become a mass consumption item consumed not only by offices, factories, hospitals and other institutions but also by common households with the increase of population and the rise in the standard of living of people. The demand for steel furniture is bound to increase continuously.

5. Industrial Paints: (NIC-2004 – 24222)

Industrial Paints are used a coating to prevent corrosion of various materials used in machinery, equipment etc. There is good scope for manufacture of this item.

6. Bakery: (NIC-2004 – 15419)

Bakery Products such as bread, paav bun, toast, biscuits etc., are largely consumed by the population. There is good scope for semi – mechanized bakery in the Taluka level to cater the needs of population in the talukas.

7. Exercise Note Book: (NIC-2004 – 22212)

Book binding and manufacturing of exercise note books can be undertaken in an organized manner. The demand for exercise books is on the increase on account of increase emphasis being accorded for imparting education to the students in the rural areas.

8. Tyre Retreading: (NIC-2004 – 25114)

The increase of vehicles has simultaneously increased the demand for use of tyres. This increase is beyond to continue in future also. Tyre retreading in the service sector would be an ideal venture for new entrepreneurs.

9. Corrugated Paper Boxes: (NIC-2004 – 25207)

The demand for packing material such as corrugated paper boxes is closely related to industrial development with the increasing industrial activities, the demand for such boxes has increased considerably. Manufacture of corrugated paper boxes is a promising line for new entrepreneurs.

10. PVC Conduit Pipes: (NIC-2004 – 25206)

These items are required in huge quantities for electrification, in view of increase in construction and electrical wiring. PVC Conduit Pipes can also be considered for development in the district to meet wiring needs.

11. Voltage Stabilizers (Automatic): (NIC-2004 – 33121)

Excessive voltage variation is a constant hazard to electrical and electronic equipment like television, refrigeration, air conditioner and other sophisticated electronic research laboratory equipment. There is a good demand of production of this item in the small scale units.

12. Cold Storage: (NIC-2004 – 63022)

In modern world, cold storage industry has become most essential. Industrialists should come forward in this direction as cold storage requirement would increase due to huge production of fruits, vegetables, fishes and other agro products in the district.

13. Bolts and Nuts: (NIC-2004 – 28991)

Manufacturing units for general hardware (NIC-2004 – 28939) such as saws & saw Blades, drills, punches, milling cutters, cutting blades Etc. can also be set up in the district.

**ANCILLARY DEVELOPMENT:**

Before setting up the above industries based on the Ancillary requirement of medium or large industries, the prospective entrepreneurs are advised to ensure that the concerned units will be willing to obtain their requirements from them consistent with quality. They are advised also to enter into certain understanding in this regard before starting such industries. The above list of prospective industries is only indicative and not an exhaustive one. An entrepreneur may select item other than those listed above, if he is confident of making the same. In these days of competition, the skill of entrepreneur plays vital role in establishing the industry and running the same successfully.

## **Service Enterprises:**

Under Industrial Policy 2009 introduced by Government of Gujarat in collaboration of District Industries situated in all the district of the State, DIC Rajpipla extends financial support to the existing service sector engaged in Tailoring service (with electric motors\manual machines), Embroidery work, Washing and ironing of clothes, Beauty parlor, Transport services, Wiring & Plumbing services, Auto repairing, Painting of signboards and hoardings, Air-conditioners and refrigerators repairing, Cobbler services, Consumer electronic appliances, Armature & motor rewinding, Book binding & spiral binding, vulcanizing of tyres and tubes, Agriculture machinery & equipments repairing, Catering, Hair cutting services, decorators, Cyber café, Currier service, Private Coaching classes engaged in preparing skilled persons etc. at micro level to the people in the district.

## **Potential Areas for Service Industry:**

The potential areas for Service Industry can be further classified into various groups such as:

| <b>Sl. No.</b> | <b>Description as NIC 2004</b>                                     | <b>5 Digit Code</b> |
|----------------|--|---------------------|
| 1              | Custom Tailoring (with Manual machine)                             | 18105               |
| 2              | Custom Tailoring (with electric motors)                            | 18105               |
| 3              | Washing & ironing of clothes                                       | 93010               |
| 4              | Beauty Parlour   | 93020               |
| 5              | Repair of bicycles and other non-mechanical vehicles               | 52605               |
| 6              | Repair of household electrical appliances                          | 52602               |
| 7              | Plumbing & drainage  | 45301               |
| 8              | Repair of TV, VCR, Refrigerator etc.                               | 52603               |
| 9              | Printing of advertising material                                   | 22211               |
| 10             | Repair & maintenance of electric motors, generators & transformers | 31108               |
| 11             | Repair & maintenance of other electrical equipments n.e.c.         | 31908               |
| 12             | Repair & maintenance of transport equipment.                       | 35998               |
| 13             | Retreading of tyres, replacing of tread & used pneumatic tyres     | 25114               |
| 14             | Maintenance & repair of motor cycle, scooters and three wheelers   | 50404               |
| 15             | Repair & maintenance of agriculture & forestry machinery           | 29218               |
| 16             | Hair dressing & other beauty treatment                             | 93020               |

|    |  |       |
|----|--|-------|
| 17 | Renting of tents, electrical appliances, furniture, tableware, crockery & utensils.                  | 71301 |
| 18 | Glazing, plastering, painting & decorating, floor sending and other similar building finishing works | 45402 |
| 19 | Activities of caterers   | 55204 |

Before setting up the industry based on the ancillary requirements of medium and large scale industries, the prospective entrepreneur must have to ensure that the concerned parent unit will be willing to purchase consistently their requirements from him taking into consideration the quality and specification.

Above mentioned all types of small scale enterprises are very much helpful to the large and medium scale units in the district. Hence, considering the demand of the large and medium scale industries there is wide scope of further development of setting up of small scale industries by new entrepreneurs in the district and ultimately, they will achieve good market for their products in the small scale sector.

### **Growth Trend:**

There is a potentiality growth in Agro sector. Agriculture provides the maximum opportunity to generate sustainable livelihood and employment for the villagers in the district.

For the last decade engineering sector has heavily contributed in the industrial growth and employment creation in the district. Plastic industries have also emerged as a thriving area for the investment and an increase of over 100 % in investment was observed during the last decade. Some of the main constituents of engineering sector are metallurgical industries, electrical equipments, miscellaneous machinery & engineering and auto parts have also been growing at a steady rate. Moreover, there is great potential in several sectors for further establishing new units are ports, power, agro & food processing, tourism, chemicals & petrochemicals and auto & engineering on small and mediums basis.

Some of the main constituents of engineering sector, such as metallurgical industries, electrical equipments, miscellaneous machinery & engineering and auto parts industries has also been growing at a steady pace.

Anand has emerged as a hub for Auto & Engineering, Chemical, Plastic and Food & Agro industries. Recent surge in the growth of plastic industries in the district has added more jobs and increased opportunities for the people in the district. Presence prestigious educational and research institutes have contributed robustly in providing a large pool of skilled and qualified manpower to the industrial sector\ of the economy.

Proximity with other major industrial hubs of the State, such as Ahmedabad, Vadodara and Vapi has made the district a thriving region for further investment in the various sectors of the district. Small scale industry sectors such as textiles, electronics, ceramics and food products, are the supporting pillars of the economy providing direct & indirect employment to over 5,000 people in the district. The emergence of Khambhat port with a cargo handling capacity and ship building yards would be considered as a major diver of the economy.

### **STEPS TO SET UP A MICRO, SMALL OR MEDIUM ENTERPRISE**

The important aspects are as given below:

- (1) Selection of proper Project
- (2) Selection of appropriate Technology & Machinery
- (3) Feasible Planning for getting finance
- (4) Conceptualization of Basic Infrastructure: erecting of factory building, arrangement of necessary connection such as Power, Sewerage and Communication etc., Labour and Personnel, Procurement of Raw Material.
- (5) Filling of Enterprise Memorandum Part II with respective District Industries Center of the district.
- (6) Sanction of Approvals such Regulatory, taxation, Environmental clearance in certain products etc.
- (7) Registration of Quality Certification

Before setting up the above industries based on the Ancillary requirement of Medium/Large Scale Industries, the Prospective entrepreneurs are advised to ensure that the concerned units will be willing to obtain their requirement from them consistent with quality. They are advised also to enter into certain understanding in this regard before starting such industries. The above list of



prospective industries is only indicative and not an exhaustive one. An entrepreneur may select item other than those listed above, if he is confident of making the same. In these days of competition, the skill of entrepreneur plays vital role in establishing the industry and running the same successfully.

### **# Existing Clusters of Micro & Small Enterprises:**

The existing Clusters of Micro & Small Enterprises are Rice Processing, Tobacco Steaming, and Spinning & Weaving of Cotton, Wood Industry, Printing, Painting & Varnish, Non Ceramics and Casting & Forging in the district.

### **(a) DETAILS OF MAJOR CLUSTERS:**

#### **Manufacturing Sector:**

There are no identified and registered clusters in the district. However, there are natural pockets\clusters operating in sectors such as Rice, Dal Milling, Cotton ginning & weaving of textiles, Tobacco Steaming, Varnish & Paints manufacturing, and Printing, Wood Industries, Non-Ceramics and Casting & Forging of Iron on Micro & Small Scale Enterprises in the district.

Further, the Present Status of such Natural Clusters is as given below:

| Sl. No. | Industry Group                       | Tehsil   | No. of Units | Investment Rs.(In lacs) | Production (M. T.) | Employment |
|---------|--------------------------------------|----------|--------------|-------------------------|--------------------|------------|
| 1       | Rice Processing                      | Khambhat | 46           | 1031.29                 | 3224.39            | 288        |
| 2       | Dal Processing                       | Anand    | 38           | 554.01                  | 4368.20            | 267        |
| 3       | Tobacco Steaming                     | Anand    | 100          | 796.80                  | 840.28             | 1024       |
|         |                                      | Petlad   | 54           | 159.99                  | 369.45             | 349        |
|         |                                      | Borsad   | 73           | 310.98                  | 980.94             | 858        |
| 4       | Spinning & Weaving of Cotton Textile | Khambhat | 47           | 130.26                  | 128.51             | 156        |

|    |                                |          |      |         |          |      |
|----|--------------------------------|----------|------|---------|----------|------|
| 5  | Wood Products & Furniture      | Umreth   | 55   | 269.79  | 301.02   | 292  |
|    |                                | Anand    | 103  | 525.40  | 504.95   | 428  |
|    |                                | Petlad   | 53   | 273.16  | 360.40   | 258  |
|    |                                | Borsad   | 32   | 83.02   | 140.00   | 100  |
| 6  | Printing & Publishing of Books | Anand    | 54   | 264.49  | 108.78   | 206  |
| 7  | Paints & Varnish               | Anand    | 49   | 578.66  | 996.18   | 363  |
| 8  | Non-ceramic Bricks             | Anand    | 55   | 172.22  | 187.70   | 480  |
| 9  | Casting & Forging              | Anand    | 39   | 702.31  | 1765.69  | 776  |
| 10 | Fabricated Metal Products      | Anand    | 93   | 611.64  | 462.01   | 443  |
| 11 | Lath Machine Tools             | Anand    | 167  | 1452.95 | 813.05   | 784  |
| 12 | Fancy & Imitation Jewellery    | Khambhat | 37   | 31.51   | 15.02    | 56   |
|    |                                | TOTAL    | 1095 | 7948.48 | 15566.57 | 7128 |

There are no identified clusters in Anand district. However, Entrepreneurship development Institute at Gandhinagar has initiated a process of Cluster Development Project in Dairy, Food processing & Engineering in collaboration of Vitthal Udyognagar Industries Association, at V U Nagar, Anand recently.

The following activities have been completed:

1. Induction and training programme of Cluster Manager and Assistant Cluster Development Manager (ACDM) in cluster related products, manufacturing process and design work.
2. Training has been given to Cluster Manager and Assistant Cluster Development Manager in the following aspects of Technology.
  - Welding Technology for tantalum.
  - Material construction and heat treatment cycle of martenistic grade stainless steel.
  - Deferent formulation of anodizing with electro polishing. Material construction of hot die steel.

3. The BDS providers along with the CDE visited the following units for the purpose of Diagnostic Study:

| Sl. No. | Name of Units                    | Plot No. of GIDC<br>V U Nagar |
|---------|----------------------------------|-------------------------------|
| 1       | Deep Metal Cast                  | 524                           |
| 2       | Shivam Cast                      | 139                           |
| 3       | Suryadeep Alloy Steel Pvt. Ltd.  | 416-417                       |
| 4       | Unique Forging Pvt. Ltd.         | 601                           |
| 5       | Yogi Industries                  | 1216                          |
| 6       | Royal Processors                 | 301                           |
| 7       | Rainbow Powder Coat              | 301                           |
| 8       | Pep and Joss                     | 1906                          |
| 9       | DGS Company                      | 13                            |
| 10      | Micro Tools                      | C1-1602\3                     |
| 11      | Perfect Tool Metrics             | GK-1                          |
| 12      | Akshar Engineering               | I-125                         |
| 13      | Akshar Container and Plastic     | 1116                          |
| 14      | Ashok Industries                 | 140                           |
| 15      | Anmol Engg. Works                | I-61                          |
| 16      | Alk Industries                   | 301                           |
| 17      | Sunfree Heat Industries          | 301                           |
| 18      | Krunal Casting                   | 46\B                          |
| 19      | Shakti Plastic                   | 1801\21                       |
| 20      | Birla Vishwakarma Mahavidhyalaya | V. V. Nagar                   |
| 21      | Sunrise Industries               | 380, V U Nagar                |
| 22      | IDMC                             | Unit IV                       |

4. Following counseling services were offered to enterprises for up gradation technology.
- Counseling was offered for patches problem in anodizing of aluminium section.
  - Diversification in consumer and industrial products are suggested to different industries.
  - Counseling was offered for rusting problem in Stainless Steel vessels.
  - Backward-forward linkages with Pep and Joss (Anand) and Laxmi Pharma, Edwin Pharma (A'bad) for electro less nickel plating.

**(b) Present Status of the Cluster:**

Present status of various natural clusters is as given below:

| Sl. No. | Group wise Industry                      | Tehsil   | No. of Units | Investment | Production | Employment |
|---------|--|----------|--------------|------------|------------|------------|
| 1       | Rice Processing                          | Khambhat | 46           | 1031.29    | 3224.39    | 288        |
| 2       | Dal Processing                           | Anand    | 38           | 554.01     | 4368.20    | 267        |
| 3       | Tobacco Steaming                         | Anand    | 100          | 796.80     | 840.28     | 1024       |
|         |  | Petlad   | 54           | 159.99     | 369.45     | 349        |
|         |  | Borsad   | 73           | 310.98     | 980.94     | 858        |
| 4       | Spinning & Weaving of Cotton Textiles    | Khambhat | 47           | 130.26     | 128.51     | 156        |
| 5       | Wood Products & Furniture                | Umreth   | 55           | 269.79     | 301.02     | 292        |
|         |  | Anand    | 103          | 525.40     | 504.95     | 428        |
|         |  | Petlad   | 53           | 273.16     | 360.40     | 258        |
|         |  | Borsad   | 32           | 83.02      | 140.00     | 100        |
| 6       | Printing, Publishing of Books Journalist | Anand    | 54           | 264.49     | 108.78     | 206        |

|    |                             |          |      |         |          |      |
|----|-----------------------------|----------|------|---------|----------|------|
| 7  | Paints & Varnish            | Anand    | 49   | 578.66  | 996.18   | 363  |
| 8  | Non-Ceramics Bricks         | Anand    | 55   | 172.22  | 187.70   | 480  |
| 9  | Casting & Forging           | Anand    | 39   | 702.31  | 1765.69  | 776  |
| 10 | Fabricated Metal Products   | Anand    | 93   | 611.64  | 462.01   | 443  |
| 11 | Lath Machine Tools          | Anand    | 167  | 1452.95 | 813.05   | 784  |
| 12 | Fancy & Imitation Jewellery | Khambhat | 37   | 31.51   | 15.02    | 56   |
|    | TOTAL                       | -----    | 1095 | 7948.48 | 15566.57 | 7128 |

## STEPS TO SET UP MSMEs

**Following are the brief description of different agencies for rendering assistance to the Entrepreneurs:**

| Sl. No. | Type of Assistance  | Name & address of the Agencies  |
|---------|---|---|
| 1.      | Provisional Registration Certificate (EM-I) & Permanent Registration Certificate (EM-II)  | General Manger,<br>District Industries Centre, 2 <sup>nd</sup> Floor, Room No. 205-213, Jilla Seva Sadan, Borsad Chokdi, <b>Anand.</b>  |
| 2.      | Identification of Project Profiles, Techno-economic and Managerial Consultancy Services, Market Survey and Economic Survey Reports. | General Manger,<br>District Industries Centre, 2 <sup>nd</sup> Floor, Room No. 205-213, Jilla Seva Sadan, Borsad Chokdi, <b>Anand.</b>  |
| 3.      | Land & Industrial Sheds.  | Regional Manager, GIDC, Nr. Water Tank, Mogari-Napa Road, Vitthal Udyognagar. 388121  |
| 4.      | Financial Assistance  | All Commercial Banks, Co-operative Banks, and SIDBI. SIDBI: 1 <sup>st</sup> & 2 <sup>nd</sup> Floor, Jayanti Bhavan, Nr. NavJivan Press, Ashram Road, Ahmedabad.              |
| 5.      | For Raw Materials under Govt. Supply.   | National Small Industries Corporation Ltd. 205, Shiv Point Complex, College Road, Nadiad.   |
| 6.      | Plant & Machinery under hire\purchase basis.  | 205, Shiv Point Complex, College Road, Nadiad.National Small Industries Corporation Ltd.  |
| 7.      | Power\Electricity   | MGVCL, Lambhvel Road, Anand.  |
| 8.      | Technical Know-how  | #MSME-DI, 4 <sup>th</sup> Floor, Harsidhh Cambers, Ashram Road, Ahmedabad. And,<br>#National Small Industries Corporation Ltd. 205, Shiv Point Complex, College Road, Nadiad. |

|     |                             |  |
|-----|-----------------------------|--|
| 9.  | Quality & Standards         | Bureau of Indian Standards, Pushpak Building, Khanpur, Ahmedabad. And, Director of Quality Assurance, Shahpur Gate, Ahmedabad.   |
| 10. | Marketing\Export Assistance | #MSME-DI, 4 <sup>th</sup> Floor, Harsidhh Cambers, Ashram Road, Ahmedabad. And, #National Small Industries Corporation Ltd. 205, Shiv Point Complex, College Road, Nadiad.   |
| 11. | Other Promotional Agencies  | # Center for Entrepreneurship Development (CED),<br># GITCO, GITCO House, O\p Sardar Patel Stadium, Navrangpura, Ashram Road, Ahmedabad.,<br># CIPET, Phase IV, Vatva GIDC, Vatva, Ahmedabad.,<br># NID, Nr. Sardar Bridge, Paldi, Ahmedabad.<br># CED, Bl. No. 1, Udyog Bhavan, Sector-11, Gandhinagar. |

## **CHAPTER – VIII**

### **CONCLUSION**

District Industrial Potentiality Survey Report of Anand district consists of **Eight Chapters**. An effort has been made to compile the important statistics on population data, statistics on resources and infrastructure facilities.

There has been specific focus on the present industrial structure of the district in respect of small scale industries, medium and large scale industries.

The report also indicates industrial potentialities in the district covering resource based, demand based and ancillary industries in the district. Anand district offers good scope for entrepreneurs to establish new industrial units for manufacturing as well as service bases industries.



**ABBREVIATION USED**

|    |        |   |
|----|--------|---|
| 1  | DAO    | District Agriculture Office                               |
| 2  | Sq.km. | Square Kilometer  |
| 3  | GNFC   | Gujarat Narmada Valley Fertilizer Corporation             |
| 4  | Hect.  | Hectare   |
| 5  | GWRDC  | Gujarat Water Resource Development Corporation            |
| 6  | FAO    | Food & Agricultural Organisation                          |
| 7  | EE     | Executive Engineer  |
| 8  | MWH    | Megawatt Horse  |
| 9  | GIDC   | Gujarat Industrial Development Corporation                |
| 10 | GSFC   | Gujarat State Financial Corporation                       |
| 11 | ITI    | Industrial Training Institute                             |
| 12 | NABARD | Ntional Bank for Agriculture & Rural Development          |
| 13 | RBI    | Reserve Bank of India                                     |
| 14 | DRDA   | District Rural Development Agency                         |
| 15 | SGSY   | Swarnajayanti Gram Swarozgar Yojana                       |
| 16 | DIC    | District Industries Centre                                |
| 17 | PMRY   | Prime Minister Rozgar Yojana                              |
| 18 | SC/ST  | Scheduled Caste/Scheduled Tribe                           |
| 19 | GSCEDC | Gujarat Scheduled Caste Employees Development Corporation |
| 20 | SLRS   | Statutory Liquidity Ratio                                 |
| 21 | OBC    | Other Backward Class                                      |
| 22 | GBCDC  | Gujarat Backward Class Development Corporation            |
| 23 | GWEDC  | Gujarat Women Employment Development Corporation          |
| 24 | SSI    | Small Scale Industries                                    |
| 25 | SHG    | Self Help Group   |