



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



**MICRO, SMALL & MEDIUM ENTERPRISES**

सूक्ष्म, लघु एवं मध्यम उद्यम

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**MSME-DEVELOPMENT INSTITUTE  
AHMEDABAD**

**Harsiddh Chambers, 4<sup>th</sup> Floor,  
Ashram Road, Ahmedabad-380014**

**Ph: 079-27543147/27544248**

**E-mail: [dcdi-ahmbad@dcmsme.gov.in](mailto:dcdi-ahmbad@dcmsme.gov.in)**

**Website: [www.msmediaahmedabad.gov.in](http://www.msmediaahmedabad.gov.in)**

Udyami Help Line : 1800-180-6763 (Toll Free)

# MAP OF BHARUCH 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 Bharuch 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 Bharuch 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 Bharuch 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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1	District Industries Centre, Bharuch
2	Lead Band – Bank of Baroda, Bharuch
3	District Horticulture Office, Bharuch
4	District Agriculture Office, Jilla Panchayat, Bharuch
5	Animal Husbandry Office, Jilla Panchayat, Bharuch
6	Fisheries Office, Bharuch
7	District Employment Exchange, Bharuch
8	District Registrar of Co-operative Societies, Bharuch
9	District Education Office, Bharuch
10	Primary Education Office, Jilla Panchayat , Bharuch
11	Regional Transport Office, Bharuch
12	Road & Building Office, Jilla Panchayat Bharuch
13	Gujarat Energy Transmission Corporation Ltd., Bharuch
14	Circle Office, Dakshin Gujarat Vij Co. Ltd., Bharuch
14	GM,BSNL Office, Bharuch
15	Dudh Dhara Milk Dairy, Bharuch
16	The Netrang Vibhag Dudh Utpadak Sahkari Mandli Ltd., Chaswad
16	Deputy Conservator of Forest, Bharuch
17	Geology & Mining Department, Bharuch
18	Dy. Director of Salt Office, Ahmedabad
19	Directorate of Census Operations, Gujarat, Gandhinagar
20	D.D.M. - NABARD Office, Bharuch
21	Sr. Supdt. of Post Office, Bharuch
22	District Irrigation Office, Jilla Panchayat, Bharuch
23	District Statistical Office, Jilla Panchayat,Bharuch
24	R & B Office (PWD), Bharuch

25	GSRTC Office, Bholav, Bharuch
26	GIDC Office, Ankleshwar.
28	District Rural Development Agency (DRDA), Bharuch.
29	Gujarat Maritime Board Office, Bharuch

## **CHAPTER – I**

### **DISTRICT AT A GLANCE**

Bharuch district having an area of 5253 kilometers is located between 21.24 – 22 latitude and 72-73.15 longitude. In districts to the north there is Vadodara district, in south Surat district, east Narmada district and in west sea shore (gulf of khambhat) are located.

In Bharuch district (1) Ankleshwar (2) Bharuch (3) Jambusar (4) Vagra, (5) Aamod (6) Hansot (7) Zhagadia (8) Valia. 8 talukas are included. In 8 talukas totally 657 villages are there. In this district (1) Jambusar Nagarpalika (Municipality) (2) Bharuch Nagarpalika (Municipality) (3) Aamod Nagarpalika (Municipality) are located. As per population survey of 2001 Opalej's urban area, (2) Andada urban area and (3) panoli, G.I.D.C. were declared as industrially notified areas. In district there are totally 543 panchayats among which 76 are group gram panchayats.

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

			<b>Gujarat State</b>	<b>Bharuch District</b>
<b>Population (Nos.)</b>	Total	Persons	60439692	1551019
		Males	31491260	805707
		Females	28948432	745312
	Rural	Persons	34694609	1026060
		Males	17799159	529393
		Females	16895450	496667
	Urban	Persons	25745083	524959
		Males	13692101	276314
		Females	12052982	248645
<b>Scheduled Castes (Nos.)</b>	Total	Persons	4074447	62235
		Males	2110331	31979
		Females	1964116	30256



Scheduled Tribes (Nos.)	Total	Persons	8917174	488194
		Males	4501389	250398
		Females	4415785	237796
Area (Sq. kms.)			196244	5253
Density of Population (Per Sq. Km.)			308	238
Sex Ratio (No. of Females per 1000 Males)			919	925
Literacy (Nos.) (Excluding Children in the age group 0 – 6)		Total	41093358	1118276
		Rural	21420842	623047
		Urban	19672516	495229
<b>Workers and Non- Workers</b>				
Total Workers (Main and Marginal) (Nos.)		Persons	24767747	627124
		Males	18000914	468919
		Females	6766833	158205
(i) Main Workers(Nos.)		Persons	20365374	526541
		Males	16567695	423884
		Females	3797679	102657
ii) Marginal Workers(Nos.)		Persons	4402373	100583
		Males	1433219	48035
		Females	2969154	55548
iii) Non Workers(Nos.)		Persons	35671945	923895
		Males	13490346	336788
		Females	22181599	587107
<b>No. of Main Workers by Main Industrial Categories</b>				
i) Cultivators(Nos.)		Persons	4746956	71035

		Males	4075047	63735
		Females	671909	7300
ii) Agriculture Labourers(Nos.)		Persons	4491751	194819
		Males	3008961	134186
		Females	1482790	60633
iii) Household Industry(Nos.)		Persons	252213	5323
		Males	182101	3761
		Females	70112	1562
iv) Other Workers(Nos.)		Persons	10874454	244277
		Males	9301586	199632
		Females	1572868	44645
<b>Total Number of Villages</b>	<b>-</b>	<b>-</b>	<b>18225</b>	<b>653</b>
Number of Towns		Statutory	195	09
		Census	153	12
		Total	348	21
Number of Census Houses		Rural	9293240	52102
		Urban	8230790	7516
		Total	17524030	481996
Adolescent & Youth Population		All Ages	60439692	1551019
		Adolescent (Age 10-19)	12015205	303848
		Youth(Age 15-24)	11646482	292624

Source: Directorate of Census Operations, Gandhinagar, Gujarat.

**(ii) Decadal variation in Population since 1951****(i) Population Details**

Population			Sex Ratio (Females per 1000 Males) 2001-2011	Density of Population per Sq.Km. 2001-2011	Decadal Growth Rate of Population 2001-2011
Persons	Males	Female			
1	2	3	4	5	6
1551019	805707	745312	925	238	+ 14.77

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

Year	Variation (%)
1961	+22.9
1971	+15.4
1981	+18.4
1991	+19.4
2001	+ 13.2
2011	+ 08.2

**Literate Population 2011**

Persons	Male	Females
1118276	623047	495229

(iii) **Occupational Pattern of Population – Occupational Distribution**

Total / Rural / Urban	Total main Workers	Cultivators	Agriculture Labourers	Household Industry	Others	Marginal Workers
1	2	3	4	5	6	6
<b><u>Total</u></b>						
Persons	<b>526541</b>	<b>71035</b>	<b>194819</b>	<b>6634</b>	<b>254053</b>	<b>100583</b>
<b><u>Rural</u></b>						
Persons	363649	68645	187103	4407	103494	83536
<b><u>Urban</u></b>						
Persons	162892	2390	7716	2227	150559	17047

(iv) **Resources Details:**

1	Average Monthly Rainfall	727 mm
2	Important Agro Products	Paddy, Wheat, Jowar, Tur, Cotton, Sugarcane.Gram.
3	Important Horticulture Products	Banana, Papaya, Brinjal, Okra, Flowers: Rose & Marigold.

**OTHER DETAIL OF BHARUCH DISTRICT**

S.No.	Particulars	Statistics
<b>1</b>	<b>Geographical features</b>	
<b>(A)</b>	<b>Geographical Data</b>	
	i) Latitude	21.30' to 22.00'
	ii) Longitude	72.45' to 73.15'
	iii) Geographical Area (Hect.)	5,25,330
<b>(B)</b>	<b>Administrative Units</b>	
	i) Sub Divisions	04
	ii) Tehsils	08
	iii) Sub-Tehsil	-
	iv) Patwar Circle	-
	v) Panchayat Simitis	18

	vi) Nagar Nigam	-	
	vii) Nagar Palika	04	
	viii) Gram Panchayats	543	
	ix) Revenue Villages	662	
	x) Assembly Area	05	
<b>2.</b>	<b>Agriculture</b>		
<b>A.</b>	Land utilization		
	i) Total Area	5,24,683.00	
	ii) Forest cover	24,506.42	
	iii) Non Agriculture Land	72,455.00	
	v) Cultivable Barren Land	19,825.00	
<b>3.</b>	<b>Forest</b>		
	(i) Forest	24582.45	
<b>4.</b>	<b>Livestock &amp; Poultry</b>		
<b>A.</b>	<b>Cattle</b>		
	i) Cows	1,26,163	
	ii) Buffaloes	1,32,505	
<b>B.</b>	<b>Other Livestock</b>		
	i) Goats	1,33,535	
	ii) Pigs	281	
	iii)Horses & Ponies	775	
<b>5.</b>	<b>Roads &amp; Railway</b>		
	(a) National Highway	Kms.	189
	(b) State Highway	Kms.	706
	(c ) Major District Road	Kms.	656
	(d) Other district & Rural	Kms.	314
	(e) Rural road/Agriculture Marketing Board Roads	Kms.	1014
	(f) Kachacha Road	Kms.	310
	(g)Length of rail line	Kms.	118
<b>6.</b>	<b>Public Health</b>		
	(a) Allopathic Institution	No.	60
	(b) Beds in Allopathic Hospitals	No.	525
	(C ) Ayurvedic Institutions	No.	15
	(d) Beds in Ayurvedic Hospital	No.	NA
	(e)Homeopathic Institutions	No.	08

	(f) Primary health centers	No.	228
	(g) Dispensaries	No.	44
	(h) Sub Health Centers	No.	237
	(i) Private hospitals	No.	28
<b>8.</b>	<b>Banking Commercial</b>		
	(a) Public Sector bank	Nos.	166
	(b) Private Sector bank	Nos.	42
	(b ) Co-Operative Bank Products	Nos.	74
	(d) PLDB Branches	Nos.	08
<b>9.</b>	<b>Education</b>		
	(a) Primary Schools	Nos.	1211
	(b Exclusive for girls Primary Schools	Nos.	60
	(c ) Secondary & senior Secondary School	Nos.	293
	(d) Colleges	Nos.	18
	(e) Technical University	Nos.	0

**10. Industries in Bharuch District as on 31.03.2012:**

<b>Sr. No.</b>	<b>Particulars</b>	<b>No. of Units</b>	<b>Investment (Rs. In Lakhs)</b>	<b>Employment</b>
1	<b>MSME</b>	<b>7185</b>	<b>272461.33</b>	<b>76139</b>
2	<b>Enterprises with Udyog Aadhar Number</b>	<b>*721</b>		

\*

Micro - 362

Small - 325

Medium - 34

## **CHAPTER – II**

### **INTRODUCTION**

#### **Background, Objective, Scope and Methodology:**

MSMEs the world over comprise a widely divergent spectrum of establishments engaged in economic activity ranging from micro and rural enterprises to modern industrial units using sophisticated technologies. Because of their contribution in each and every national economy, the importance and emphasis on MSMEs has been accentuated in the minds of policy makers, planners and the industry in the recent past.

The importance of sustainable industrial development for socio-economic development cannot be neglected. The industrial development takes place with the availability of natural, human, mineral resources etc. However, this will always remains scanty. According to Lionel Robinson in the scarcity definition of economics that "economics is a study of how man manages to satisfy by utilizing scarce resources, which are limited in supply". One of the principal objectives of planned development has been the regional balance or reduction of disparities among the different regions of the Gujarat State. Removal of regional disparities and all round sectoral development pre-suppose optimal allocation of resources aimed at equitable growth.

The industrial development of the economy plays pivotal role and small scale industry has been adopted as a policy goal in many countries including India. A key position has been accorded to this sector in Indian plans for achieving such objectives such as removal of unemployment, decentralized growth, reduction of inequalities, etc. The concept of small scale industries was developed basically with the presumption that small scale unit inherently possesses certain economic advantages which justify its existence and if initially given protection from the grabbing and butting attitude of the large scale sector, economically viable that its large competitor.

For the promotion of industrial development, a number of fiscal incentives are being offered by the Central and State Government. The Financial Institutions are also offering the incentives, after assessing the potentials in relation to human resources and natural endowments for development and facilitate optimum utilization of scarce financial resources by channeling the same into sector with growth potential etc.

It is a recognized fact that mere offering of financial incentives will not be sufficient in promoting industrial development. It is essential to undertake considerable amount of work for identification of suitable locations having basic infrastructure facilities etc.

The objective of preparing this report is to document the resources available in the Bharuch district and the potentials that exist for industrial and economic development of the district.

The report is techno – economic in character rather than a statistical presentation and is intended provisionally for the entrepreneurs, governmental and non – governmental agencies as a tool for planning and implementing the development activities.

The report is prepared based on both primary and secondary sources apart from exhaustive reference and available literature on the district. The survey included field visits involving statistics collected from all the promotional agencies, State and Central Government Departments.



## **CHAPTER - III**

### **DISTRICT PROFILE**

#### **3.1 Geographical Location and Area :**

Bharuch district is located in the Southern part of Gujarat, near the Gulf of Khambhat in Arabian Sea. In 1997, Bharuch district is bifurcated into Two parts (1) Narmada District and (2) Bharuch District.

The newly formed Bharuch District has 5253.30 Sq.km. area and situated between 21.30' to 22.00' North Latitude and 72.45' to 73.15' East Longitude.

Bharuch District comes under Seismic Zone- III.

Bharuch District is bounded by Baroda and Anand District on the North, Narmada District on the East, Surat District is on the South and on its west lies the gulf of Cambay. The Eastern strip of the district is a hilly and forest area.

#### **3.2 ADMINISTRATIVE SET UP:**

For administrative purpose, Bharuch District the district is divided into Eight Strata called Talukas namely;

- (1) Bharuch (District Head Quarter) (2) Ankleshwar, (3) Valia, (4) Jambusar, (5) Jhagadia, (6) Amod, (7) Vagra and (8) Hansot.

The District Collector is the overall administrative head. District Industries Centre is headed by General Manager, works for the promotion and development of Industrial and commercial enterprises in the District.

#### **3.3 Climate and Rainfall :**

The district enjoys moderate climate with greater humidity on its coastal side. The average rainfall in the district is 727 mm monthly.

#### **3.4 Rivers :**

Main rivers in Bharuch District are Narmada, Dhadhar and Kaveri. The rivers flow throughout the year.

### **3.5 Soil :**

In the district, mainly there are two types of soil (1) Black Soil and (2) Loamy soil.

Black soil is generally found in Bharuch, Ankleshwar, Jambusar and Amod Taluka.

Black soil is favourable for cotton crop. Loamy soil is generally found in Valia, Jhagadia.

Hansot and vagra taluka. Loamy soil is favorable for groundnut, wheat and paddy.

The soil health related problems of Bharuch district are varying with the physiographic unit. Imbalance in use of fertilizer along with limited application of organics is resulting in serious soil health related problems.

### **3.6 Topography :**

# Some of the major tourist destinations in the district are Bhriugu Rishi Temple, The Golden Bridge, Kabirvad and Shuklatirth.

# Government of India has planned to develop a Dedicated Freight Corridor (DFC) linking Delhi, Mumbai, Kolkata and Channai. The proposed DFC passes through Six states in India, of which, Gujarat accounts for 38% (564 km.) of total DFC length(1483 km.)

# The influenced area of 150 km on either sides of DFC is being developed as " Delhi Mumbai Industrial Corridor" (DMIC). Bharuch- dahej industrial area lies within 50 km of the Dedicated Freight Corridor in southern Gujarat.

# State government identified 82 links in the DMIC ( which includes Bharuch also) Influenced area to upgrade them into Four lane carriageway offering connectivity between ports, industrial estates, hinterlands, markets and points of agricultural produce.

### **3.7 Availability of Minerals :**

**52 %** of the state's lignite is found in Bharuch.

**92 %** of silica sand is being produced in the district.

There are several mineral based industries in Bharuch district. Crushing units are developed

in Jhagadia & Valia taluka. Bricks manufacturing units are in Ankleshwar, Bharuch, Amod &

Jambusar Talukas.

### **3.8 FOREST :**

Some area of Tehsil Jhagadia is a forest area. The forest type categorization in the district is 'dry and very dry teak forest'. In the district Tree census was carried out in 32 villages, with a counting of 21035 trees. The district has less than 10% land under forest cover and is not considered as forestry dominated area. The total area under forest is an under is 24582 hectare.

The area under Reserved & Un-class forest is **nil** in Bharuch district.

### **ECONOMIC PROFILE:**

Bharuch is an emerging industrial zone in the state with good infrastructure connectivity, including port connectivity (Port of Dahej). The growth of the logistics industry based on the Dahej port has helped establish several key industries in and around the area, including Indo-Gulf, Gujarat Chemical Port Terminal Company Ltd. (GCPTCL) and Petronet LNG Ltd. Considering the advantages of the location of the port with respect to the opportunities it offers for exports to Middle East, Africa, Europe and North America, the government has identified the region as a thrust area.

## CHAPTER – IV

### RESOURCE ANALYSIS

Industrial development depends upon the smooth availability of human resources and material resources like Agriculture, Live Stock, Horticulture, Minerals, Forest, Salt, Fisheries, Dairy, etc. In this Chapter, a detailed study of the available resources in Bharuch district has been covered.

#### **A. HUMAN RESOURCE:**

##### **Population & Occupational Pattern:**

Till the final census data-2011 is not available in detailed . Hence Provisional data of Census- 2011 of Bharuch District is given as under.

Total	Persons	1551019
	Males	805707
	Females	745312
Rural	Persons	1026060
	Males	529393
	Females	496667
Urban	Persons	524959
	Males	276314
	Females	248645

According to the Census 2011, the total population of Bharuch district is 1550822. This indicates that **2.57 %** of the total population of the State reside in the district. There are 805945 **Males** and 744877 **Females** in the total population. With regards to Sex Ratio ( male – female) is stood at 924 per 1000 male compared to 2001 census figure of 921. Out of the total population of Bharuch district, there are 8,93,110 rural and 3,36,353 urban. The density of population is 238 per sq. kms. Bharuch district administrative 6527 Sq.Kilo Meters of areas. The growth rate during 1991 – 2001 has been 13.24.

**Bharuch District Population Growth Rate:** There was a change of 14.77 % in the population compared to population as per 2001 .In the previous

census-2001 Bharuch District recorded increase of 19.37 % to its population compared to 1991.

The census data indicates that Bharuch district claims the higher proportion of Rural population with 65.93 % and it might be due to agricultural predominance of the district.

### **Literacy Rate 2011 :**

Average literacy rate of Bharuch in 2011 is **83.03 %** compared **to 74.41% of 2001**. If Things are looked out at gender wise, male & female literacy were 88.80 and 76.79 respectively.

The education attainment levels in the district are marginally higher than the state average. As per 2011 estimates, the district has registered an overall literacy rate of 83.03 percent, as against the state average of 79.31 percent. Gender and regional inclusion in the reach of mass education programmes has increased in the district. It has a male-female literacy gap of 12.01 percent<sup>480</sup>, which is lesser than that of the state at 16.5 percent<sup>481</sup>. Higher level of gender inclusion is primarily attributed to an improved female literacy rate within the district, which stood at 76.79 percent by 2011. Further, the urban-rural literacy gap in Bharuch is estimated to be 9.05 percent, as against the 14.58 percent<sup>for</sup> the state. Higher literacy levels would demand improved higher education and training capacities to create a knowledge economy.

### **Child Population :**

Children under 0-6 year of age, there were total 170565 children. Out of total 170565, male and female were 89119 and 81446 respectively. Child sex ration as per census-2011 was 914. Children under 0-6 years formed 11 % of Bharuch district.

The taluka wise Population as per Census 2011 is as under:

<b>Sr. No.</b>	<b>Taluka</b>	<b>Total</b>
1	Jambhsar	197038
2	Amod	93819
3	Vagra	100044
4	Bharuch	452517
5	Jhagadia	185337
6	Ankleshwar	315596
7	Hansot	61628
8	Valia	145400
	<b>TOTAL</b>	<b>15501019</b>

## **B. MATERIALS RESOURCES:**

Material resources is the basis factor of economic development of any district. Major characteristic of the district, particularly in relation to the economic resource are Agriculture, Livestock, Fisheries, etc. Economic Resources are important means of subsistence for the working people in the district. The details about economic resources of important sectors are given hereunder:

### **4.1 Agriculture:**

#### **(i) Land Utilization, pattern during of Bharuch District.**

The district has a predominantly agrarian structure with about 70 % of the total population depending on agriculture though, there is shift in the land use of agriculture sector towards non-agriculture.

The land utilization area is as under of Bharuch District.

#### **Area in Hectare**

1) Forest	24506
2) Land not available for cultivation	19825
3) Fallow Land	72663
4) Cultivable land	35458

5) Permanent Pastures	16321
6) Current Fallow	25342
<b>7) Net Area sown</b>	<u>330478</u>
<b>TOTAL :</b>	<b><u>524683</u></b>

**(ii) Cropping Pattern of Bharuch District :**

The cropping intensity of the district is lower at 112 % as large portion of cultivable area is under rain fed farming , moreover, the western part of the district has hilly and undulating terrain and coastal areas are salt affected. In Rabi season, sugarcane and wheat are dominating crops having 75 % areas whereas in Karif season, cotton occupies more than 50 % area.

Considering the land fertility and irrigation facilities in the District the different cropping pattern are being followed is as under.

Sr.No	KHARIF	RABI	SUMMER
1	Cotton	Cotton	Cotton
2	Cotton	Cotton	Groundnut or Green Gram or Bajri.
3	Tur	Tur	Tur
4	Jowar	---	Ground nut
5	Soyabin	Sugarcane	Sugarcane
6	Sugarcane (Lam)	Sugarcane	Fallow
7	Fallow	Wheat(Unirrigated)	Fallow
8	Fallow	Sugarcane	Sugarcane
9	Bajri	Wheat	---
10	Sesam	---	Fallow
11	Castor	Castor	Castor
12	Paddy (Irrigated)	Fallow	Paddy (Irrigated)

13	Paddy (Irrigated)	Wheat(Irrigated)	---
14	Fallow	Jowar	Jowar
15	Banana	Banana	Banana
16	Green Manuring	Sugarcane	Sugarcane
17	Paddy (Irrigated)	Val or Gram	---

### III) Agro based industries in Bharuch District :

There are 3 Sugar factories, 2 rice mills, 12 ginning & pressing factories and 1 mango pulp mill in the district

### IV) Production & Yield of Major Crops:

The district mainly depends on agriculture with about 70 % of the population depending on agriculture though, there is shift in the land use of agriculture sector towards non-agriculture .

Sowing area of different crops, Production & Yield of major crop during is given as under.

Crops	Area('000 Ha.)	Production ('000 MT)	Average Yield In Kg./Ha.)
Rice	12	20	1744
Wheat	24	44	1877
Total pulses	69	59	858
Total Food grains	122	146	1199
Cotton	119	272	388
Sugar cane	28	174	6460
Jowar	14	15	1133

### (v) Farm Equipment:

Farm mechanization has been helpful in improving productivity of different crops.

The details of farm Equipments available in the district is as under.



<b><u>Srl. No.</u></b>	<b><u>Item</u></b>	<b><u>Nos.</u></b>
1)	Tractor	13155
2)	Ploughs - Wooden	23227
	- Iron	7063
3)	Oil Engine	5822
4)	Electric Pump Set	4496
5)	Power tiller/Trailers	6565
6)	Threshers	1224

**(vi) Markets and Co-operatives:**

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 Bharuch district.

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

<b>Sr. No.</b>	<b>Category</b>	<b>No. of Societies</b>
1	Dairy Co-operative Societies	532
2	Fisheries Co-operative Societies	20
3	Housing Co-operative Societies	455
4	Irrigation, Lift Co-operative Societies	574
5	Non-agriculture Co-operative Societies	105
6	Primary Agriculture Co-operative Societies	306
7	Industrial Co-operative Societies	87
8	Sugar Co-operative Societies	2

9	Consumer Co-operative Societies	28
10	Agriculture Farming Society	35
11	Selling Co-operative Societies	97
12	Salt Co-operative Societies	4
13	Others Co-operative Societies	281
<b>TOTAL →</b>		<b>2526</b>

#### 4.2 Irrigation :

The district has the benefit of 3 major/medium irrigation projects,

- Ukai Right Bank Canal Project
- Narmada Sardar Sarovar Project
- Karjan Irrigation Project

The source area of irrigation in Bharuch district is as under.

<u>Srl. No.</u>	<u>Source</u>	<u>Area in Hector</u>
1)	Area irrigated by Canals	66217
2)	Area irrigated by Wells	56853
3)	Area irrigated by Tanks	2397
4)	Area irrigated by Other sources	411
Net irrigated area		<b><u>125878</u></b>

Total area available for irrigation is 117500 hector.

Concerted efforts are required for maximizing the utilization of ground and surface water potential in the district through renovation / recharge of wells, energization of pumps sets as also exploring the possibilities of major lift irrigation scheme in the district.

The credit off take under drip & Sprinkler irrigation is expected to be higher in the coming years due to availability of subsidy from GGRC for installation of Drip & Sprinkler system. Due to coverage by Narmada Canal network in the talukas of Vagra, Amod, Jambusar and Bharuch, the requirement of Dug well,

Bore-well and Tube well will coming down where as the requirement of irrigation pump sets, UGPL drip & Sprinkler irrigation systems etc. will be increasingly drastically.

#### **4.3 (i) Livestock:**

Live stocks particularly buffalo, cattle and goats constitute the main animal husbandry component in the farming system of the district. As per the latest livestock census conducted in the district the information is s under.

<b>Sr. No.</b>	<b>Type of Livestock</b>	<b>No. of Live stocks as per 2012 Census.</b>
1)	Cattle	126163
2)	Buffaloes	132505
3)	Camels	556
4)	Sheep	3201
5)	Goats	133535
6)	Horses & Ponies	775
7)	Donkeys, Mules & Dogs	1348
8)	Pigs	<b><u>281</u></b>
<b>TOTAL :</b>		<b><u>398364</u></b>

#### **(ii) Veterinary Services:**

The district has an excellent network of Veterinary and breeding facilities.

Veterinary Institution controlled by District Panchayat in Bharuch district is as under :

<b><u>Sr. No.</u></b>	<b><u>Type of Vateriaary Institute</u></b>	<b><u>No.</u></b>
1)	Veterinary Dispensary	20
2)	FAVC	25
3)	Artificial Insemination Centre	01
4)	Veterinary Polytechnic	01
5)	Animl Insemination sub-centre	119

Veterinary dispensaries and primary veterinary centre conduct technical activities like veterinary treatment, camps, oral treatment of worms and extension activities like Group meeting, workshops, night Shows at village level.

(iii) Dairy Development : Dairy Industry is the source of subsidiary income for small and marginal farmers and agricultural labourers. The by products is manure obtained from animals is the very important organic material to improve soil fertility. Dairy industry provides employment throughout the year. Central & State Government provide financial assistance to create infrastructural facilities for milk production. The emerging modern technologies for processing and marketing will give the needed boost to this sector.

In Bharuch district, Dudhdhara Dairy is the main dairy. It consists of 616 milk co-operative societies distributed all over Bharuch District. The details of Dairy development in the district is as under :

- |    |  |                     |
|----|--|---------------------|
| 1) | Total availability of milk per year in the district :      | 451 lakh kilo litre |
| 2) | Liquid Milk Plants/Milk product Factories in the district: | 01                  |
| 3) | Capacity of milk produced per day ('000 Ltrs.) :           | 400                 |

The another milk Co-op.society working in Bharuch district is 'The Netrang Vibhag Dudh Utpadak Sahkari Mandli Ltd. , Chasvad, tal. Valia which is purely Tribal area.100 % milk is supplied to SUMUL Dairy, Surat after chilling the milk in their own chilling plant.

The dairy co-operatives and other private dairies including ice-cream makers are in need of milk and hence the response to this sector will be encouraging.

(iv) Agricultural Marketing:

In Bharuch district there are 8 APMCs, 6 main yards and 6 sub yards .

The main objective of agriculture produce market committee is :-

- 1) To create free auction of agriculture products
- 2) Accuracy in weight of agriculture products
- 3) To give cash payment to farmers

APMC does the marketing of cotton, tur, jowar and vegetables. Separate provision is made for notification of "Special commodities market" in any market area for specialized agricultural commodities to be operated in addition to existing markets.

#### 4.4 Horticulture:

Horticulture offers excellent alternative for diversification in agriculture by ensuring balanced use of land, water and other resources for promoting sustainable agriculture besides increasing income of farmers.

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	3087	23214
2	Chiku	544	4542
3	Citrus	241	3213
4	Ber	620	7031
5	Banana	15420	1083255
6.	Gauva	418	6211
7	Pomegranate	178	1353
8	Date Palm	12	00
9	Papaya	791	45759
10	Custard Apple	77	585
11	Aonla	110	693
12	Cashew Nut	27	75
13	Coconut	40	(Nos.) 260
14	Others	87	605
	Total	<b>21612</b>	<b>1176536</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	1752	29346
2	Cabbage	176	2983
3	Okra	2749	26528

4	Tomato	623	12778
5	Cauliflower	55	835
6	Cluster bean	608	5928
7	Coe pea	830	7138
8	Cucurbits	4095	62776
9	Others	3203	61850
	<b>Total</b>	<b>14091</b>	<b>210162</b>

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

Sl. No.	Name of Spices	2014-15	
		Hector	Production(MT)
1.	Chills	352	556
2.	Ajwan	05	08
3.	Ginger	220	3025
4.	Turmeric	45	502
5.	Fenugreek	315	693
	<b>TOTAL</b>	<b>937</b>	<b>4784</b>

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

Sl. No.	Name of Flowers	2014-15	
		Hector	Production(MT)
1	Rose	642	5858
2	Marigold	510	4810
3	Jasmin	205	2020
4	Others	142	1122
	<b>Total</b>	<b>1499</b>	<b>13810</b>

There are total 24 Nurseries in Bharuch district with a production of seedling/grafts during the year 2011-12 was 21.9 (Lakh).

Presently, Valia taluka has 6 and 20 green houses and net houses respectively followed by Bharuch taluka with 4 green houses and net houses each. Jhagadia taluka has one green house and two net houses.

(Source : Horticulture Department, Bharuch)

#### 4.5 **Poultry Development:**

Poultry farming though considered being a subsidy occupation to agriculture has established itself as one of the important independent commercial activity. There are well established backward and forward linkages for the poultry in and around the district.

As per the latest census, there are **293680** no. of poultries in the district.

##### **(A) Type of Poultry Farm:**

As per the data from Brief Integrated Sample Survey Scheme, estimated Over all No. of Layer & Poultry for the year 2011-12 is as under. ( 00' Nos)

Sr. No.	Type	Layer Farm	Poultry	Eggs Production (Lakh Nos.)
1	Deshi	833	2212	114.91
2	Improved	351	434	107.41
<b>Total →</b>		<b>1184</b>	<b>2646</b>	<b>222.32</b>

##### **(B) No. of Registered Slaughter Houses & Animal Slaughtered :**

Sr. No.	No.of Registered Slaughter Houses	Total Broiler Birdsl
1	3	<b>319038</b>

Source: Dy. Director, Animal Husbandry, Dist. Panchayat, Bharuch.

#### 4.6 **Fisheries:**

Fish culture is another important subsidiary occupation in the district. Fish farming in Bharuch is mostly being done in village/panchayat ponds on lease. The added advantage of village pond fishery is the high cattle population of the villages. The district has 33241 Hectore of brackish water area suitable for aquaculture distributed in Jambusar, Vagra and Hansot Taluka. The productivity of village pond is high and live fish is marketed. The length of coastline about 127 K.M.in Bharuch District.

The major production (about 80 %) is being carried in the month of June and July. In the rest of the period the production is very less and which is utilized by local people. So, the prospect of fish based industries in Bharuch district is less.

General information of Fisheries in Bharuch district is as under :

##### **A. Fisheries Statistics:**

Production of Fish (MT)	19699 M.T.
2. No. of Boats for Fishing:	
(a) Mechanised:	731
(b) Non-Mechanised:	940
3. No. of active fishermen in the district:	15960
4. No. of Primary Fisheries Societies:	Nil
5. No. of Fisheries Co-operative Societies:	
Tribal area	13
Non-tribal area	10
6. No. of Membership in Co-operative Societies:	
Tribal area	1103
Non-tribal area	617
7. Share money deposited by members:	---
8. No. of Fishing Centre	74
9. No. of reservoirs	55
10.Total No. of Marine landing centers	8
11. Fish based Industries in the district.	8



**(B) Varieties of Fish found in the District**

**i) Marine Fish**

Boomla, Palva Chakshi (Hilsa), Palvi, Palli, Mendli, Boi (Malet), Cat Fish, Dhoma-Small Sainides, Colmy(shrimps), Zinga(Medium Pronce), Zinga(Jumbo Pronce), Crab, Levta.

**ii) Inland Fish**

Katla, Rohu, Meegral, Kalbnasu, Minor Carp, Patheen, Singhi, Kadva-Dock, Singala, Palla-Chaxi, Boi, Small, Medium and Jumbo Zinga, Karachala, Levdi.

- There are 4 rivers in the district with a total length of 120 km. being the major source for the activity.
- There are 435 ponds and tanks covering 2051 Hecter in the district suitable for fish Farming.
- The district has 08 Ice factories with capacity of 127 M.T. and 2 Cold Storage to facilate marketing . However, there is no Freezing Plants and frozen Storage arrangements.
- As per the Mission Mode Programme for Aquaculture Development in Gujarat, an area of 200 Hecter with likely production of 3700 MT end of is envisaged.
- The FFDA is engaged in providing training and subsidy to the farmers and making arrangements for their credit needs.
- The Gujarat Government has recently announced creation of Aliya Bet for aquaculture development on 1857 Hecter of land about 24 km from Ankleshwar.
- The State Government has formulated a policy to lease out village ponds/ small reservoirs for a period of 10 years. It will help the fish farmers of the District to plan for scientific fish farming on a long term basis.
- As per the new Policy, Village ponds of concerned Taluka/District are to be auctioned by inviting tender bt giving vide publicity other assistance as per the FFDA pattern will be extended to the fish farmers.

#### 4.7 **Minerals Resources :**

The Government of Gujarat has envisaged specific policy initiatives to attract investment in mineral exploration and mineral based industries. The policy incorporates steps to increase mineral production and encourage exports of value added minerals. It pays special attention to rare occurring mineral such " Agate" which is available only in Bharuch district in India.

1. Taluka wise availability of Mineral Resources is as under .

S.No.	Name of Taluka	Type of Minerals availability
1	Jhagadia	Lignite, Silica sand,Agate,Blacktrap,Ball Clay
2	Valia	Lignite, ordinary sand, Blacktrap,
3	Vagra	Ordinary sand, Clay
4	Bharuch	--Do--
5	Ankleshwar	--Do--
6	Hansot	--Do--
7	Amod	--Do--
8	Jambusar	--Do--

2. Type of Major & Minor Minerals available in the district are as under:

<b>MAJOR MINERAL</b>	
1	Lignite
2	Silica
3	Bal Clay

<b>MINOR MINERALS</b>	
1.	Black Trap
2.	Sand
3.	Bricks
4.	Hard murram
5.	Clay
6.	Gravel

(SOURCE : DEPT OF MINES & GEOLOGY, Bharuch)

### **3. Present Development of Mineral based Industries :**

There are several mineral based industries in Bharuch district. Crushing units are developed in Jhadadia & Valia taluka. Bricks manufacturing units are there in Ankleshwar , Bharuch , Amod & Jambusar taluka. There are major industries using Silica Sand for their products like Birla Copper at Dahej, ujarat Gardian at Khond, Gujarat Borosil, Swill in Jhagadia GIDC and several other foundry and Gujarat Glass unit at Ankleshwar. Lignite is used as a fuel in all industries which was supplied from Rajpardi mines of Gujarat Mineral Development co.

**4. Policy of the State Govt.** regarding mineral based industries development and leasing minerals to Pvt. Entrepreneurs :

The Govt. of Gujarat has envisaged specific policy initiatives to attract investment in mineral exploration and mineral based industries. The policy incorporates steps to increase mineral production and encourage exports of value added minerals. It pays special attention to rare occurring mineral such as " Agate " which is available only in Bharuch district.

**5 .** Keeping in the view of development in the coastal area of Dahej, there is a lot of scope for crushing unit and as the Silica sand. Agate is available in Bharuch district. Industries based on above mineral can be established.

#### 4.8 **Salt Industries:**

The salt industry is well developed in the coastal area spread within 77 Km. long sea shore and 116 salt works are established.

(A) The details of Salt industries in Bharuch District is as under :

Sr. No.	Range	No. of Salt Works	Area in Acres	Production in MT	Despatch in MT
1	Bharuch	60	22684.02	1028251	913234
2	Jambusar	56	14574.00	484372	398067
	<b>TOTAL :</b>	<b>116</b>	<b>37258.02</b>	<b>1512623</b>	<b>1311301</b>

- (B) One Salt Laboratory headed by Dy. Supdt. Of Salt and One Inspector of salt (For field work) with Two MTS staff is posted at Bharuch.  
One Inspector of salt with One MTS staff is posted at Jambusar.
- (C) The present policy for recovery of cess at the time of removal from salt works on salt is as under :

1. Salt Works up to 10 Acres & less than 10 Acres Exempted
2. Co-operative Societies Exempted
3. Salt Works up to 10 Acres & less than 100 Acres: Rs. 1.75 per MT
4. Salt Works above 100 Acres Rs. 3.50 per MT
5. Salt exported to foreign Countries Exempted

Super Salt Industry situated at Jambusar is a salt refinery engaged in refining and Iodizing salt for human consumption. The refined salt is mostly dispatched to Maharashtra District. Two other refineries named Gardhar Salt & Chemical Industry and Ambica Salt Industries situated at Dahej are engaged in processing salt for industrial purpose. The processed salt is supplied to Chloro-alkaly units in the district.

(Source:Dy. Salt Commissioner, Ahmedabad)

## **CHAPTER – V**

### **INFRASTRUCTURE FACILITIES**

Infrastructure facilities are pre – requisite for industrial development. The industrialization cannot take place in the absence of infrastructural facilities. The infrastructural facilities include availability of developed roads, power, railway, water, communication, transport, technical institutions, industrial estates, banking facilities, container depot, Industrial Clusters and other auxiliary services.. In Bharuch district, the existing facilities are elaborated as under:

**5.1 Land :** Land is the basic requirement to establish industry. Availability of suitable land at reasonable price facilitate industrial development of an area. The uncultivable, barren and non-agricultural land can be utilized for establishing industrial sector.

#### **Availability of Land in Bharuch District**

<b>Category</b>		<b>Area (in Hector).</b>
i)	Uncultivable & Barren Land	19825
ii)	Non-agricultural Land	72455

#### **5.2 Factory Accommodation :**

##### **(A) Gujarat Industrial Development Corporation:**

The Gujarat Industrial Development Corporation (GIDC) is a public sector undertaking set up in 1926 primarily to develop industrial infrastructure by acquiring appropriate land in the district. It also develops the facilities like inner roads, waste disposal facility, power, fire station, bank, post office, SEZ etc. for the development of Industrial Sector.

In Bharuch District, the existing scenario of Industrial Estate is as under :

**Existing Scenario of Industrial Estat in Bharuch District**

S.No .	Name of Ind. Area	Land acquired (In hectare)	Land developd (In hectare)	Prevailin g Rate Per Sq. m. (In Rs.)	No. of Plots	No. of allotted Plots	No. of Vacant Plots	No. of Units in Production
1	Ankleshwar	1661.00	1226.00	1560.00	1891	1876	15	1809
2	Bharuch	82.52	64.65	965.00	195	195	00	195
3	Panoli	1037.76	826.00	1095.00	1117	1105	12	1018
4	Palej	153.88	124.92	395.00	306	301	5	235
5	Jhagadia	1705.00	1300.00	820.00	318	309	9	297
6	Valia	206.00	206.00	---	10	10	-	9
7	Dahej-1	2700.00	2700.00	---	142	102	40	38
8	Dahej-2	3107.00	2900.00	1020.00	824	589	235	1
9	Vagra (Mini)	1.53	1.19	55.00	9	6	3	2
10	Vagra(Vilayat)	1028.17	607.38	660.00	70	70	1	12
11	Jambusar	2.24	2.24	55.00	13	13	7	6
	<b>Total</b>	<b>11685.10</b>	<b>9958.38</b>	<b>6625.00</b>	<b>4895</b>	<b>4576</b>	<b>327</b>	<b>3622</b>

(Source :- GIDC, Ankleshwar. )

**(B) SEZ (Special Economic Zones /Industrial parks in Bharuch District :**

The district witnesses a large number of industrial estates and Special Economic Zon(SEZ).

Leveraging the existing industrial base, Bharuch attracts a large number of business conglomerates, such as Sanofi,Aventis, Glenmark, Lupin, BASF, Bayers Crop Science and EI DuPont etc.

The details of **SEZ** in Bharuch District is as under :

Sr. No.	Name & Location	Sector	Area (in Hect)
1	Dahej SEZ, Dahej	Multiproduct	1812
2	Sterling SEZ, Jambusar	Multiproduct	1263
3	Gujarat Hydrocarbon & Energy SEZ Ltd., Vilayat	Hydrocarbon	450
4	Jubilant Pharma SEZ, Vilayat	Pharmaceuticals	200
5	Ceramic SEZ, Jhagadia	Glass & Ceramic	197
6	Jubilant Chemical SEZ, Vilayat	Chemicals	160
7	JB SEZ, Panoli	Pharmaceuticals	130
8	Jayant SEZ, Vilayat	Chemicals	106

### 5.3 Water :

Availability of sufficient water is also pre-requisite for any industry. Through discussion with local authorities and Industrial association, it is ascertained that there is no shortage of water as the rivers like Narmada, Dhadhar and Kaveri are perennial.

### 5.4 Power Supply :

Sufficient power supply is the main factor for running industries. The main source of supply is Dakshin Gujarat Vij Co. Ltd., Bharuch. Facility in respect of Electricity is considerable increased in this district as now-a-days Government gives more stress on the development of Electricity net work. Sardar Sarovar Project is already established on Narmada Dam. This will definitely boost up the industrial development by means of hydro-electric stations.

**(A) Existing Sub-Station for power distribution under Bharuch TR Circle in Bharuch District.**

<b>Sr.No.</b>	<b>Name of Sub Station</b>	<b>KV</b>	<b>Ratio in KV</b>	<b>Installed capacity in MVA</b>	<b>Taluka</b>
1	Dahej	220	220/66	200	Vagra
	Dahej	220	66/11	30	Vagra
2	Dahej	66	66/11	30	Vagra
3	Bharuch	132	132/66	60	Bharuch
		132	66/22	35	Bharuch
4	Bharuch-B	66	66/22	27.5	Bharuch
5	Ankleshwar	132	132/66	150	Ankleshwar
	-do-	132	66/22	60	-do-
6	Ankleshwar-A	66	66/22	45	-do-
7	Ankleshwar-B	66	66/22	40	-do-
8	Ankleshwar-Urban	66	66/22	20	-do-
9	Panoli GIDC	66	66/22	40.0	-do-
10	Hansot	66	66/11	10	Hansot
11	Bhensali	66	66/11	10	Vagra
12	Panchbatti	66	66/11	10	Bharuch
13	Achhalia	220	220/132	350	Zagadia
14	Achhalia	220	220/66	100	Zagadia
15	Achhalia	220	132/66	40	Zagadia
16	Zagadia	220	220/66	100	Zagadia
17	Zagadia	66	66/11	20	Zagadia
18	Valia	132	132/66	100	Valia
19	Valia	132	66/11	25	Valia
20	Rajpardi	66	66/11	10	Zagadia
21	Netrang	66	66/11	25	Valia
22	Randeri	66	66/11	20	Zagadia
23	Daheli	66	66/11	10	Valia
24	Bhalod	66	66/11	10	Zagadia
25	Duttnagar	66	66/11	10	Valia
26	Dadheda	66	66/11	10	Zagadia
27	Haldarva	220	220/132	200	Bharuch
28	Haldarva	220	220/66	150	Bharuch
29	Wagra	220	220/66	50	Bharuch
30	Palej	66	66/11	20	Bharuch
31	Zanor(Nabipur)	66	66/11	20	Bharuch
32	Sarbhan	66	66/11	25	Amod
33	Wagra	66	66/11	20	Wagra
34	Jambusar	66	66/11	20	Jambusar
35	Chhidra	66	66/11	15	Jambusar
36	Amod	66	66/11	10	Amod
37	Muller	66	66/11	10	Wagra
38	Kadod	66	66/11	10	Bharuch
39	Vilayat	66	66/11	20	Wagra
40	Bori	66	66/11	10	Bharuch



**(B) Proposed Sub-Station in 12<sup>th</sup> Five Year Plan**

Sr. No.	Name Sub-Station	Capacity in MVA	Taluka
1	400 KV Achhalia	2x315=630 (400/220) Tentative/Planned only	Jhagadia
2	400 KV Kosamba Extension	2x100=200(220/66)+1x315(400/220)	Ankleshwar
3	220 KV Suva (Nr.Dahej)	2x10=200(220/66) )+1x315(400/220	Vagra
4	66 KV Sammi	20	Amod
5	66 KV Mokhadi	20	Valia
6	66 KV Chasvad	20	Valia
7	66 KV Govali	20	Jhagadia
9	66 KV Kavi	20	Jambusar
9	66 KV GIDC-C	20	Ankleshwar
10	66 KV Kosmadi	20	Ankleshwar
11	66 KV Panoli	20	Ankleshwar

**( C ) Sanctioned Sub-Station**

Sr. No.	Name Sub-Station	Capacity in MVA	Taluka
1	400 KV Achhalia	2x315=630 (400/220) Tentative/Planned only	Jhagadia
2	400 KV Kosamba Extension	2x100=200(220/66)+1x315(400/220)	Ankleshwar
3	220 KV Suva (Nr.Dahej)	2x10=200(220/66)	Vagra
4	66 KV Sammi	20	Amod
5	66 KV Mokhadi	20	Valia
6	66 KV Chasvad	20	Valia

7	66 KV Govali	20	Jhagadia
9	66 KV Kavi	20	Jambusar
9	66 KV GIDC-C	20	Ankleshwar
10	66 KV Kosmadi	20	Ankleshwar
11	66 KV Panoli	20	Ankleshwar

## 5.5 Rail/Road/Air Network :

### (a) Rail Network :

In the length of broad-gauge railway line is 50 km. from Panoli to Palej station. The total narrow-gauge railway line existing in the district is 118 km. The details of different narrow-gauge railway lines are as under :

- From Ankleshwar to Umalla 50 kms.
- From Bharuch to Kavi 68 kms.

**Total :                      118 kms.**

### (b) 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	189.000
State Highway	706.300
Major district roads	656.200

Other district roads	314.000
Village roads	1014.400
Kachacha Road	310.300
<b>Total →</b>	<b>3190.200</b>

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

**(b-1) 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	375291
2	Auto Rickshaw	24073
3	Jeeps	7836
4	Car & Station Wagons	60590
5	Taxi/Maxi	3260
6	Buses	4820
7	Goods Vehicles	29553
8	Tractor	16432
9	Trailers	7321
10	Others including Ambulance	3341
<b>Total →</b>		<b>532517</b>

(Source: Asstt. Regional Transport Office, Bharuch)

**( c ) Air Port :**

In Bharuch district, air transport facility is not available at present. However, to establish a mini aerodrome 50 Hectares of land is occupied by the Road & Building Govt. Department.

**(d) Sea-route/Port :**

The West Boundary of Bharuch is 77 Kms. Long sea shore. Govt. has now initiated action to improve port at Dahej and as a result the industrial units like IPCL, Gujarat Maritime Board, GACL, GSFC, have made a project for Liquid Chemical Port at Dahej Port.

**(d-i) Dahej Port :**

# **Dahej Port** operated by Gujarat Maritime Board (GMB), has made significant contribution to facilitate industrial growth in the district.

# The anchorage is at a distance of 5 km from the old port and 6 km from a proposed container terminal site in Jageshwar, Bharuch.

# M/s. ABG Shipyard is developing Ship Building Yard at Jageshwar site.

# Many port based industries such as Birla Copper, IPCL have developed their captive jetties at Dahej Port.

# M/s. GCPTCL has developed dedicated Chemical terminal at Dahej.

# The first LNG terminal of the country is developed at Dahej by M/s. Petronet LNG Ltd.

# Spread over 5,000 hectares of land and with excellent access to entire north west Indian hinterland, Dahej is strategically located at a distance of around 400 km north of Mumbai.

# The port has cargo handling capacity of around 22 MMTPA. More than INR 7,000 million (USD 171 million) has been invested in its development.

# The presence of existing industrial estates such as Bharuch, Ankleshwar and Panoli has enhanced the location attractiveness of the region.

# Commodities handled by the port for import include fertilizers, rock phosphate naphtha, ammonia, coal & coke, propylene, ethylene, copper concentrate, methanol, propane and coconut oil, while the commodities for export include phosphoric acid and soya beans.

## **d-2      Petroleum, Chemical and Petrochemical Investment Region (PCPIR)**

Petroleum, Chemical and Petrochemical Investment Region (**PCPIR**) , Gujarat is a specifically delineated investment region planned for the establishment of manufacturing facilities for domestic and export led production in petroleum, chemicals and petrochemicals along with associated world class services and infrastructure PCPIR, Gujarat, will transform the state into the petro hub of India.

**Location :** Located in the coastal belt of Gulf of Khambhat, in Bharuch District of SOUTHERN Gujarat and spread over 453 sq. kms. of Brown field area.

### **Existing Connectivity :**

- Road 32 kms of onsite 4 lane Dahej-Bharuch State Highway No. 6 connecting to NH-8 and National Expressway No. 1, at a distance of 10 kms.
- Rail – 19 kms Dahej-Bharuch railway line connecting to Delhi-Mumbai Broad Gauge Railway Line Bharuch.
- Air – 250 kms from International Airport at Ahmedabad and 90 kms from Domestic Airport at Vadodara.

### **Existing Industrial Clusters/Major Industrial Units :**

- Dahej GIDC Industrial Estate – Dahej SEZ  
Reliance IPCL Petrochemical Complex  
Hindalco Industries Limited  
Welspun Limited  
Gujarat Alkalies and Chemicals Limited  
Petronet LNG Limited  
Gujarat Chemical Port Terminal Company Limited  
BASF Styrenics Limited  
Gujarat Fluorocarbons Limited  
ONGC Limited
- Vilayat GIDC Industrial Estate

### **Existing infrastructure :**

- Onsite 90 MLD Marine Effluent Conveyance Pipeline
- Hazardous Waste Disposal Site and Incinerator at Ankleshwar
- Natural Gas Pipeline Network

### **Prospective Industries :**

- Refinery downstream products
- High Performance chemical
- Pigments and coating products
- Specialty chemicals

- Nanotechnology based products
- Mineral resource based products

# It is expected that **the PCPIR** (Petroleum & Petrochemicals Investment Region), would further position Dahej as one of the best investment destination in the country.

(Source : IC., Gujarat Govt.)

### **(d-3) Adani Port :**

Adani Port is situated at Dahej in Bharuch District. Adani Group dedcates to the Indian business yet another world class solid Cargo Hnadling Terminalat Dahej for EXIM trade. The facilities at Dahej are of world class technology, International Standards, eco-friendly, including excellent storage facilities focused towards the delight of the customers. It is a joint Venture between Adani Petronet (Dahej) Port Pvt. Ltd. and (APPLE) and Petronet LNG Limited.

### **Major advantages of Adani Pord :**

- # Strategically located in the gulf of khambhat thereby having access to dense industrial areas of Gujarat, Maharashtra & central M.P..
- # Only commercial terminals in GMB Port of Dahej handlingsolid Cargos in bulk/break bulk and also project cargo.
- # Fully mechanized berths with conveyor handling System for handling system foe handling cost in bulk at very fast evaluation rate of 46 MT/Hr.
- # Two deep draft berths capable of handling upto cape size vesssels42

## **5.6 Communication:**

Good and advance communication facilities helps the functioning of Industries and as a result economic development is achieved. The information of communication facilities in Bharuch District is as under.

### **i) Telephones:**

Bharuch District is having the capacity of 114176 telephone connections and working connections are 61394.

Taluka wise Telecommunication facilities available in Bharuch District as is as under :

<b>Sr. No.</b>	<b>Taluka</b>	<b>No. of Exchange</b>	<b>Total Capacity</b>	<b>Working Connection</b>	<b>Waiting List</b>	<b>% of Utilization</b>
1	Amod	13	8680	3455	0	39.80
2	Dahej	11	5828	2908	0	49.89
3	Ankleshwar	18	33452	17037	0	50.92
4	Bharuch	26	41768	26586	0	63.65
5	Jambusar	14	9656	4334	0	44.88
6	Jhadadia	13	8088	4250	0	52.54
7	Valia	09	6704	2824	0	42.12
<b>Total →</b>		<b>104</b>	<b>114176</b>	<b>61394</b>	<b>0</b>	<b>53.77</b>

(Source : GMTD, BSNL, Bharuch)

**(ii) Post and Telegraph:**

**Details of Taluka wise Post Offices in Bharuch District as on 31/03/2016**

There is one Head Post working in Bharuch district

<b>Sr. No.</b>	<b>Taluka</b>	<b>Total Post Offices(Nos.)</b>
1	Jambhsar	56
2	Amod	26
3	Vagra	38
4	Bharuch	75
5	Jhagadia	44
6	Ankleshwar	43
7	Hansot	21
8	Valia	29
<b>TOTAL →</b>		<b>332</b>

## 5.7 Employment Exchanges :

Employment Exchange is the main linkage between employees and the unemployed youth. For their placement and vocational guidance.

The basic function of the Employment Services is to facilitate the employment of people who are seeking jobs. Traditionally the Employment exchanges have been registering the names of unemployed candidates and sponsoring their names to Private and Public Sector employers. The main functions of the Employment Exchanges are -

- Placement Services
- Vocational Guidance
- Employment Market Information Programme & implementation & Compulsory Notification of Vacancies Act, 1959.
- Extension Services like Self Employment motivation, Army Recruitment Camps etc.

The table given below highlights the working Employment Exchanges.

**Persons registered in the Employment Exchange as under:**

Sr. No.	Educational	Total
1	SSC	5362
2	HSC	3683
3	B.SC	778
4	B.COM	1698
5	BA	2820
6	BE	115
7	DIPLOMA HOLDER	2345
8	ARTISANS (TECH) ITI TECH. TRADE	8546
9	OTHERS	2130
<b>TOTAL ➔</b>		<b>27477</b>

Source: Employment Office, Bharuch



### 5.8 Education:

The education attainment levels in the district are marginally higher than the state average. As per 2011 estimates, the district has registered an overall literacy rate of 83.03 percent , as against the state average of 79.31 percent. Gender and regional inclusion in the reach of mass education programmes has increased in the district. It has a male-female literacy gap of 12.01 percent, which is lesser than that of the state at 16.5 percent. Higher level of gender inclusion is primarily attributed to an improved female literacy rate within the district, which stood at 76.79 percent by 2011. Further, the urban-rural literacy gap in Bharuch is estimated to be 9.05 percent, as against the 14.58 percent for the state. Higher literacy levels would demand improved higher education and training capacities to create a knowledge economy.

The role of Educational Institutions and Technical Training Institutes are very much vital for industrial development in the area. Healthy facility of Educational Institutes supply inched human force as far as intellectual, technical and skill aspect is concerned.

**(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	1211	9011	226228
2	Secondary Schools/ Higher Secondary	293	2110	68614

Source: District Primary Education Office &  
District Education Office, Bharuch

**(B) Faculty wise Colleges in Bharuch District**

Sr. No.	Faculty	Total No.
1	Arts, Commerce & Science	18
2	Teachers Training Colleges	07
3	B. Ed.	06
4	BSC- Nursing	01
5	BSW	01
6	Law	01
7	Engineering/Technical	06
<b>TOTAL →</b>		<b>40</b>

(C) The details of Govt. Industrial Training Institutes available in the Bharuch district is as under:

**(i) Govt. Industrial Training Institutes:**

Sr. No.	Name & Address	Phone Nos.
1	Industrial Training Institute, Ankleshwar	02646 – 247028
2	Industrial Training Institute, Valia	02643 – 270514
3	Industrial Training Institute, Jhadadia	02645 – 220463
4	Industrial Training Institute, Bharuch	02642 – 268970
5	Industrial Training Institute, Hansot	02646 – 262011
6	Industrial Training Institute, Dahej (Atali)	02641 – 254128
7	Industrial Training Institute, Amod (Sarbhani)	02641 – 236166
8	Industrial Training Institute, Vagra	02646 – 225015
9	Industrial Training Institute, Jambusar	02646-224900

Source: Directorate of Employment and Training, Gandhinagar

(ii) **Grant in Aid Centers in Bharuch District:**

Sr. No.	Name & Address	Phone Nos.
1	Shramik Vikas Sansthan ITI, P.O.Saran Road,, Tal. Vagra	02641-225578
2	Shri C.H. Patel & Shri B.L.Patel Audgyogic Talim Kendra, (ITI), Sarbhan Tal. Amod	02641 - 236601
3	Zavier Technical Training Centre,ITI, ONGC Colony,At. Gadkhol,Tal. Ankleshwar	02646 - 232425
4	Zamiah Audgyogic Talim Kendra, Jambusar	02644 - 222676
5	The Mustfabad Industrial Training Institute, At & Po. Tankaria-392 240, Tal. Bharuch	02642-270422

iii) There are another **6** Self Finance it is in Bharuch Dist

# Skill gap study for Bharuch district (2012-17, 2017-2

**Organized Employment in Bharuch**

<b><u>Category of Industries</u></b>	<b><u>Employment</u></b>
Large Scale Industries	211430
(Commissioned + Under Implementation)	
MSME Category	44952
<b>Total</b>	<b>256382</b>

**5.9 Banking :**

Finance is the most important factor of industrial development. The growth of financial institution in any region is an important indicator of economic development and progress of that Region

Total 290 Nos. of bank (Including Bank Branches ) are functioning in Bharuch District 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.

Specialized SSI Branches are not working in the district .

(A) Bank wise details in Bharuch District is asunder :

**LIST OF DIFFERENT BANKS FUNCTIONING IN THE BHARUCH DISTRICT**

<b>Sr.No.</b>	<b>Name of the Bank</b>	<b>Total</b>
1	Bank of Baroda	59
2	State Bank of India	37
3	State Bank of Bikaner & Jaipur	01
4	Dena Bank	09
5	Central Bank of India	10
6	Bank of India	08
7	Union Bank of India	04
8	UCO BANK	05
9	UNITED BANK of India	01
10	INDIAN BANK	02
11	Punjab National Bank	04
12	CANARA BANK	04
13	SYNDICATE BANK	01
14	IOB	02
15	IDBI BANK	03
16	ALLAHABAD BANK	02
17	BANK OF MAH.	02
18	OBC	04
19	ANDHRA BANK	02
20	VIJAYA BANK	02
21	CORPORATION BANK	04
22	BGGB	29
23	BDCC	46
24	GSARDB (LDB)	08
25	ICICI BANK	04
26	HDFC BANK	16
27	FEDERAL BANK	02
28	AXIS BANK	09
29	DCB	02
30	KOTAK MAHINDRA	04
31	KARUR VYASYA BANK	01
32	YES BANK	03
33	INDUSIND BANK	01
	<b>GRAND TOTAL</b>	<b>290</b>

**( C ) SECTORWISE OUTLAY UNDER SACP FOR THE YEAR 2015-16 is as under**

(Rs.in Crores)

Sl.No.	Sector	2015-16 Amount(in Crores)	2014-15 Amount(in Crores)	Variation Amount (in Crores)	% Growth rate envisaged
1	Agriculture & Allied Activities	1649.82	1321.42	328.40	24.85
2	MSME	534.89	429.02	105.87	24.68
3	Other Priority	534.10	511.46	22.64	04.42
	<b>Total Priority Sector</b>	<b>2718.82</b>	<b>2261.90</b>	<b>456.92</b>	<b>20.20</b>

**(D) TALUKAWISE TARGET UNDER SACP**

(Rs.'000)

Sr.No.	Taluka	SACP-2015-16		
		A/c.	Amt.	% Share
1	Amod	13927	2553883	09.39
2	Ankleshwar	13875	5862872	21.57
3	Bharuch	24396	7751422	28.51
4	Hansot	4904	1491662	05.49
5	Jambusar	15654	2916252	10.73
6	Jhagadia	11635	2038156	07.49
7	Vagra	6712	2588242	09.52
8	Valia	6499	1256390	04.62
9	Netrang	5675	729397	02.68
	<b>Total</b>	<b>103277</b>	<b>27188276</b>	<b>100.00</b>

(Source : Lead Bank, BOB, Bharuch)

Development schemes are being implemented in Bharuch 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%, disaboved: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 refinancees 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.

### **5.10 Marketing Yard :**

The district Headquarter, Bharuch has one regular market and each taluka Headquarter has marketing facilities in the district. Well developed markets always justify farmers for the return of their products.

- There are 8 numbers of Agricultural Produce Market Committees  
6 main Yards & 6 sub yards in the district.
- The district has potential of cold storage and pre-cooling chambers/ripening chambers.

- The production and syndicated marketing of huge quantity of Banana gives rise to the scope for the business in pre-cooling chambers & ripening chambers along with Cold Storages.
- The nearness of Surat & Mumbai market has contributed a lot towards development of Agriculture and its diversification towards allied sectors in the district.

The basic Marketing Infrastructure for Agricultural Products is under :

Sr. No.	Taluka	Storage Structure		Markets (Nos.)	
		Nos.	Capacity (MT)	Main Markets	Sub Markets
1	Jambhsar	15	2 to 250	1	2
2	Amod	1	1 to 1000	1	1
3	Vagra	--	--	1	-
4	Bharuch	2	2 to 250	1	6
5	Jhagadia	35	5 to 400	1	1
6	Ankleshwar	10	10 to 48	1	-
7	Hansot	50	50 to 400	1	1
8	Valia	90	43 to 3200	1	2
<b>TOTAL</b>		<b>203</b>	<b>114 to 5798</b>	<b>8</b>	<b>13</b>

**5.11 Particulars of Industrial Associations and Chamber of Commerce in the district is given below:**

Sl. No.	Association/Chamber of Commerce	Phone No.
1	Bharuch Chamber of Commerce & Industries, Lallubhai Chakla, Bharuch.	02642-243437

2	Panoli Industries Association, L/913/10,GIDC Estate, Panoli- 394116.	02646- 272275/272828
3	Ankleshwar Industries Association, 618-619, GIDC Indl. Estate, Ankleshwar-393002	02646- 221000/222000 253102
4	Jaghadia Industries Association, 750, GIDC Estate, Jaghadia	02646-222833
5	Bholav Industries Association, Nr. Water tank, Bholav.	--
6	Narmadanagar Industries Association, 1-1/1, b/h. Mepkoni,  GIDC, Narmadanagar	--
7	Patel Industries Association,  Plot No. 104/5 & 6, GIDC, Palej-392220	02642-277384
8	Central South Gujarat Salt Manufacturers Association, 304, Narmada Commercial Complex, Bharuch-392 002	02642-247439
9	The Bharuch Udyognagar Sahkari Sangh Ltd., Old National Highway, Nr.CNG Pump, Bholav, Bharuch-392002	02642-247439

#### 5.12 NGO/Voluntary Organizations in Bharuch District .

No. of Taluka-wise NGO/ Voluntary Organizations in Bharuch District is as under.

Sr. No.	Taluka	Nos.
1	Bharuch	58
2	Ankleshwar	24
3	Jhagadia	09



4	Valia	09
5	Vagra	04
6	Amod	12
7	Jambusar	15
8	Hansot	09
<b>TOTAL →</b>		<b>140</b>

### **5.13 Handicraft & Handloom :**

# Taluka wise details of Craftsmen engaged in Bharuch district :

<b><u>Type of Handicraft</u></b>	<b><u>Taluka</u></b>
Sujani making	Bharuch
Woollen articles	Bharuch
Pottery work	Ankleshwar

Gujarat State Handloom & Handicraft Development Corporation was established with the main objective of identifying, reviving and marketing of handicrafts of Gujarat produced by the skilled artisans spread for and wide in the rural and urban areas of the state. The corporation is functioning under the control of Commissioner of Cottage Industries, Govt. of Gujarat through whom the budgetary provisions of the State Government are routed to various agencies involved in the cottage Industrial Sector.

#### **# Financial Assistance :**

The corporation gets loans/subsidies through budgetary provisions of Commissioner of Cottage Industries of various development as well as marketing activities.

#### **# Market Support Scheme :**

With a view to give marketing support to artisans, corporation has the following activities :

- (a) Exhibition-cum-sale in its emporia as out side premises.
- (b) Opening new emporia at places of marketing opportunities.
- (c) Organize Adivasi Meals to give fillip to products of Advasi Artisans, who find it difficult to sell their product otherwise.

### # **Raw Material support :**

With a view to support the poor artisans who find it difficult to invest in quality raw materials, Corporation provides raw material for production to certain extent and procure their products. This scheme is under the special component plan for providing assistance to artisans at procurement and production level.

### # **Training & Design Inputs :**

Corporation provides skill up gradation to artisans under various skill up gradation

Programmes of the State as well as Govt. of India from time to time. Also provides design

inputs to make the products more appealing and contemporary and acceptable in the present day market.

## **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**

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.

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	Upto 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

# 1. SMALL SCALE INDUSTRIES:

## A. Progress in SSI Registration

<b>Year</b>	<b>No. of Regd. Units</b>	<b>Investment (Rs. In Lacs)</b>	<b>Employment</b>	<b>Cumulative</b>		
				<b>No. of Regd. Units</b>	<b>Investment (Rs. In Lacs)</b>	<b>Employment</b>
Up to 31/3/1998	6954	49685.84	-	NA	NA	NA
1998-1999	671	3937.03	-	7625	-	53522.87
1999-2000	673	2267.95	-	8298	-	55790.82
2000-2001	677	2515.02	-	8975	70296.84	58305.54
2001-2002	467	1653.02	-	9442	-	599959.05
2002-2003	675	1714.55	1532	10117	1532	61673.60
2003-2004	550	2029.15	1961	10667	3493	63702.75
2004-2005	569	2574.58	2585	11236	6078	66277.33
2005-2006	653	3515.00	1938	1189	8016	69792.33
2006-2007	102	108.10	436	11991	8452	69900.43
Up to Sep-2008	11991	69900.43	28304	-	-	-
Oct-2009 to 2007 MSME Act	154	10992.90	3929	-	-	-
2007-2008	305	17855.00	6390	-	-	-
2008-2009	407	21145.90	7361	-	-	-
2009-2010	649	14404.77	9565	-	-	-
2010-2011	815	14311.80	9598	-	-	-
2011-2012	900	45404.02	9006	-	-	-
<b>Total</b>	<b>3230</b>	<b>14214.39</b>	<b>45849</b>	<b>-</b>		<b>-</b>

**B. Talukawise Distribution Of Registered SSI Units. UP to March-2012**

<b>Sr. NO.</b>	<b>Name of Talukas</b>	<b>UP to March-2012</b>	<b>Investment (Rs. In Lacs)</b>	<b>Employment (Nos.)</b>
1	Amod	589	856.60	1540
2	Valia	1196	1903.10	2684
3	Vagara	574	7816.45	5140
4	Ankleshwar	5436	120298.45	39129
5	Hansot	565	2540.48	1818
6	Bharuch	4644	11940.00	14932
7	Jambusar	1238	4520.43	3659
8	Jhaghadia	980	9349.47	4359
	<b>Total</b>	<b>15222</b>	<b>159224.98</b>	<b>73261</b>

**C. Details of Existing and Proposed Medium Scale Industries:**

<b>Sr. NO.</b>	<b>Name and Place of the Units</b>	<b>Products</b>
1	List Attached	
2		
3		
4		
SO On		

**II. INDUSTRIAL STATISTICS: Micro, Small & Medium Enterprises****1. (A) Progress in Micro Enterprises Registration:-**

<b>Year</b>	<b>No. of Regd. Units</b>	<b>Investment (Rs. In Lacs)</b>	<b>Employment</b>
02/10/06 to 31/03/2007	69	1804.39	1188
2007-08	151	4443.46	2362
2008-09	303	5242.13	3030
2009-10	497	8304.29	5829
2010-11	739	9106.51	5920
2011-12	846	7684.11	6280
2012-13	1020	9272.42	6325
2013-14	981	8613.83	6118
2014-15	1010	8192.15	5325
2015-16	596	4939.07	2731
<b>Total</b>	<b>6212</b>	<b>67602.36</b>	<b>45108</b>

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

<b>Year</b>	<b>No. of Regd. Units</b>	<b>Investment (Rs. In Lacs)</b>	<b>Employment</b>
02/10/06 to 31/03/2007	80	10939.51	2396
2007-08	150	24488.44	3496
2008-09	92	10645.97	3546
2009-10	147	17320.33	3272
2010-11	70	17779.88	3205
2011-12	54	11930.56	1791
2012-13	72	10735.67	2728
2013-14	109	19682.95	2558
2014-15	86	18591.81	2202
2015-16	55	9965.33	1159
<b>Total</b>	<b>915</b>	<b>152080.45</b>	<b>26353</b>

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

<b>Year</b>	<b>No. of Regd. Units</b>	<b>Investment (Rs. In Lacs)</b>	<b>Employment</b>
02/10/06 to 31/03/2007	5	3311.00	345
2007-08	4	10219.00	538
2008-09	12	12862.50	785
2009-10	5	4897.00	464
2010-11	6	6145.00	473
2011-12	1	596.00	43
2012-13	08	9135.00	594
2013-14	10	10889.50	761
2014-15	04	8690.00	575
2015-16	03	3063.00	106
<b>Total</b>	<b>58</b>	<b>69808.00</b>	<b>4684</b>

**1 (D) Talukawise Distribution of MSMEs . from Dt.2/6/2006 to 30/11/2015**

<b>Sr. NO.</b>	<b>Name of Talukas</b>	<b>TOTAL (Nos.)</b>
1	Jambusar	546
2	Jhaghadia	738
3	Vagara	369
4	Hansot	288
5	Amod	333
6	Ankleshwar	2590
7	Bharuch	1649
8	Valia	644
9	Netrang	28
	<b>Total</b>	<b>7185</b>

**1(E)** Udyog Aadhar Memorandum registered from Sepet.15 to 31.05.16 in

Bharuch District is as under :

Type of Enterprises	UAM Registered. (Nos.)
Micro	362
Small	325
Medium	34
<b>TOTAL:</b>	<b>721</b>

**2. Talukawise Details of Large Large Scale Units: (Existing)**

Sr. NO.	Name of Talukas	No. of Regd. Projects	Investment (Rs. In Lacs)	Employment
1	<b>Jambusar</b>	8	31585.77	1713
2	<b>Jhaghadia</b>	16	21798.79	2954
3	<b>Vagara</b>	6	441498.43	4221
4	<b>Hansot</b>	2	49444.94	1474
5	<b>Amod</b>	1	5122.77	401
6	<b>Ankleshwar</b>	79	275691.30	13664
7	<b>Bharuch</b>	20	831056.76	7209
8	<b>Valia</b>	58	69440.08	1757
	<b>Total</b>	<b>137</b>	<b>1921824.84</b>	<b>33393</b>

- Bharuch Textile Mills.
- Faisal Fabrics Ltd., A/36 to 39, Bholav Ind. Estate, BHAruch.
- Gujarat Narmada valley Fertilize, 99 to Zadeshwar, 24/1 of Vadadla, Bharuch.
- Gujarat Power Gen. Energy Corpn. Ltd., Village: Paghuthan, Bharuch.
- Jhaveri Polymers Ltd., GIDC, Palej.
- Ka Malle Pharma Ltd., Bharuch.
- Mipco Seamless Ring Guj. Ltd., Bharuch.
- Narmada Chemature Petrochemicals, N.H. No.8, Bharuch.
- Nelton India (Div, of Parryl Co.) 702-704, GIDC, Palej.
- Nestler Boiler Ltd., Plot No. 7, GIDC, Palej.
- NTPC , Janor
- Phillips Carbon Black Limited., Palej.
- Shree Marmada Alluminium Ltd., 95/1, Bholav.
- Sonic Watches Ltd., 8, Vadadla, Bharuch.
- Steelco Gujarat Ltd., Plot No. 2, GIDC Estate, Palej.

- The Antizichan Bearings Corpn., 1-B, GIDC, Bharuch.
- Videocon Narmada Ltd., Bharuch.
- Abbott Laboratory(I) L td., GIDC, Ankleshwar.
- Adi Rasayan Limited, 408/ GIDC, Panoli.
- Alpaine Ceramics Industries, Plot No. 100/101, GIDC, Ankleshwar.
- Ambeshwar Paper Mills Ltd., Plot No. 140/3, GIDC Ind. Estate, Ankleshwar.
- Anal Products Ltd., 39/137, GIDC Estate, Ankleshwar.
- Anil Chemicals & Inds. Ltd., Plot No. 614, GIDC, Panoli.
- Ashok Organics Inds. Ltd., 318-319, GIDC, Ankleshwar.
- Asian Paints (India) Limited, 2602- GIDC Estate, Ankleshwar.
- Atul Ltd., 297 GIDC Ankleshwar.
- Aventis Cropscience India Ltd., Plot No.6301-10 A, GIDC Ankleshwar.
- Binayakia Synthetics Ltd., Plot No.2, GIDC Ankleshwar.
- Bombay Drugs & Pharmas Ltd., 26, GIDC Estate, Ankleshwar.
- Cadila Healthcare Limited, Plot No.291, GIDC Estate, Ankleshwar.
- Cadila Pharmaceuticals Limited, 294, GIDC, Ankleshwar.
- Cheminova India Ltd. 241/242, 27 & 28, GIDC, Panoli.
- Deepak Synthechs (p) Ltd., 2A, GIDC, Ankleshwar.
- Diamond Dye-Chem, Lt. (Unit-II), Plot No.6216, GIDC, Ankleshwar.
- Eldee Velvets & Industries Lim. Shed No. A1/381, GIDC, Ankleshwar.
- Envire Technology Limited, 2413/14, GIDC, Ankleshwar.
- Ewac Alloys Ltd., Plot No. 79/7, GIDC, Ankleshwar.
- Ficom Organics Limited, Plot No.3201, Ankleshwar.
- Garada Cotex Ltd., Panoli.
- Gharda Chemicals Limited, Plot No.3525-26-27, GIDC, Ankleshwar.
- Glaxo India Limited, 3102-3109, GIDC Estate, Ankleshwar.
- Gran Heal Pharma Ltd., 209-2010, GIDC, Panoli.
- Gravier Packaging Ltd., GIDC, Ankleshwar.
- Gujarat Insecticides Limited, 805/806, GIDC, Ankleshwar.
- Gujarat Oleo Chem Limited, 654, Panoli, Ankleshwar.
- Gujarat Organics Limited, 327/1, GIDC Ind. Estate, Ankleshwar.
- Gujarat Reclaim & Rubber Produ., Plot No. 8, Ankleshwar.
- Haryana Sheet Glass Ltd., Plot No. 9208-B, GIDC, Ankleshwar.
- Hemani Organics & Chemicals, 3208, GIDC, Ankleshwar.
- Heubach Colour Ltd., Plot No. 9003-9010, GIDC, Ankleshwar.
- Hikal Chemicals Industries Limited, Plot No.629/630, Panoli.
- Hindustan Magcober Chemicals Ltd., 208/1, GIDC Ind. Area, Panoli.
- Hiran Orgochem Ltd, 663, Panoli.
- Hoechst Mariou Roussel Ltd., 3501/3503-15, 63108-14, GIDC, Ankleshwar.
- Ifiunik Pharmaceuticals Limited, Plot No. 128/1/1, GIDC, Ankleshwar.
- Indokem Limited, Plot No. 2900, GIDC, Ankleshwar.
- Indosol Drugs Ltd., 501, GIDC, Ankleshwar.
- Industrial Solvents & Chemicals, GIDC, Ankleshwar.

- Kachins Textile Limited, GIDC Panoli, Plot No. 327, Sanjali, Ankleshwar.
- Kanoria Chemicals & Industries, 3407, GIDC, Ankleshwar, 3208, GIDC, Ankleshwar.
- Kanoria Dychem Ltd., Plot No. 6101/1-2, GIDC, Ankleshwar.
- K.A. Malle Pharmaceuticals Ltd., Plot No. 6005, GIDC, Ankleshwar.
- Keshvani Synthic (I) Ltd., Plot No. 3307, GIDC, Ankleshwar.
- L.D. Textile Industries Ltd., Plot No. 2802/3, GIDC, Ankleshwar.
- Laffans Petrochemicals Ltd., Plot No. 321, GIDC, Ankleshwar.
- Luna Chemicals Indu. Pri. Ltd., Plot No. 23/6, GIDC, Ankleshwar.
- Lupin Laboratories Limited, 124-125, GIDC, Ankleshwar.
- Meghmani organic Ltd., Plot No.21, Panoli.
- Meidian Chem Bond Ltd.,
- Overseas Synthetics Ltd., Plot No. 5054 to 5056, GIDC, Ankleshwar.
- Oxford Industries Ltd., Plot No. 8809, GIDC, Ankleshwar.
- Panama Petrochem Ltd., Plot No. 3303, GIDC, Ankleshwar.
- Panoli Products, GIDC, Panoli.
- Pesticides India, 237, GIDC, Panoli.
- Principal Pharmaceuticals & CH., GIDC, Panoli.
- R.P.G. Life Science Ltd., 3102/A, GIDC, Ankleshwar.
- Rallis India Ltd., Plot No. 3301, GIDC, Ankleshwar.
- Rapicut Carbides Ltd., Plot No. 119, GIDC, Ankleshwar.
- Ridhi Intermediates & Chemicals, Plot No. 406, GIDC, Panoli.
- Rishiroop Rubber (Int.) Ltd., 5807, GIDC, Ankleshwar.
- RPG Life Science Limited, 3102/A, GIDC, Ankleshwar.
- RPG Life Science Limited, Plot No. 640, GIDC, Ankleshwar.
- Sajjan India Ltd., 6102/3, GIDC, Ankleshwar.
- Savla Chemicals, GIDC, Panoli.
- Schenectady-Back India Ltd., Plot No. 1 & 122, GIDC Estate, Ankleshwar.
- Shri Dinesh Mill Ltd., Bharkodara, Ankleshwar.
- Sun Pharmaceuticals Ind., Plot No. 25, Phase-IV, Panoli.
- Suzlon Fibres Limited, 330-A, GIDC, Ankleshwar.
- SVM Cera Tea Build Ltd., 4802/B, GIDC, Ankleshwar.
- Swami Harigiri Paper Mills Ltd., 621/P, Panoli.
- Tonira Pharma Ltd., Plot No. 4722, GIDC, Ankleshwar.
- Unique Pharmaceuticals Labs. Ltd., Plot No. 128/1, GIDC, Ankleshwar.
- United Ohosphorus Ltd., 117/118, GIDC, Ankleshwar.
- Wockard Ltd., Plot No. 138, GIDC, Ankleshwar.
- Yagnik Synthetics Ltd., A-1/5240, GIDC, Ankleshwar.
- Zora Pharma Limited, 322/B, GIDC Panoli, Ankleshwar.
- Birla Cellulosic (A Unit of GR) BirlaDham, Village- Kharach, Kosamba(R.S), Hasot.
- Shri Khedut Sah. Khand Udh. Mandli, Pandvai, Hasot.
- Ghandar Petrochemicals (IPCL) Po. Dahej, Ta. Vagara.

- Gujarat Alkalies & Chemicals Po. Petrochemicals Vagara, Petrochemicals Complex.
- Ondo Gulf Corporation Limited, 217-06-37, Hactare, Dahej.
- Prestige Glass Industries Pvt. Survey No. 32, Atali.
- Pushpa Polymers Pvt.Ltd., Dahej, Ta. Vagara.
- Welspun Gujarat Sta. Rohrem Ltd., Vadodara, Vagara.
- Banco Products (India) Ltd., 1320/21/22/23, Ankhi, Jambusar.
- Gujarat Glass Ltd., 197422 SQ Mtr, Uchchad, Jambusar.
- Gujarat Specialty Lubes Ltd., Po. Ankhi, Ta. Jambusar.
- Jajodia Industries Limited, Baroda- Jambusar Road, Uchchad.
- Scott Glass India Pvt.Ltd., Vill Ankhi, Ta. Jambusar.
- Sevena Ceramics Ltd., Plot No. 1207, Gajera, Jambusar.
- Super Salts Ltd., 835/36/42/43/44, Magnad.
- Transmetal Limited, Piludra, Jambusar.
- Bell Ceramics Ltd, 514/15/16/17/36, Village Desa, Amod.
- Ajanta Paper & General Product, Plt No. 778, Jhagadia.
- Anglo French Drugs & Ind. Ltd., 110, Kharchi, Jhagadia.
- Gujarat Borosil Ltd., Ankleshwar Rajpipla Road, Govali.
- Gulsan Sugars & Chemicals Ltd., Plot No. 762, GIDC Estate, Jhagadia.
- Huber Chemicals India Pvt., 757, GIDC In. Estate, Jhagadia.
- Panoli Intermediates (India) Pvt., Plot No. 778/1, GIDC, Jhagadia.
- Pepsico India Holdings Ltd., Plot No. 27, GIDC, Jhagadia.
- Rajeshree Ployfil, Rajeshree Nagar, Umalla.
- Rajeshwar Anand Paper Mills Ltd., Govali.
- Remi Metals Ltd., Jhagadia.
- Search Chem. Industries Ltd., 750, GIDC, Jhagadia.
- ShriRam Alkali & Chemicals 749, GIDC Ind. Estate, Jhagadia.
- Sitaram Paper Mills Ltd., Village Nana Sanjha, Jhagadia.
- Swil Limited, Jhagadia.
- VArthman Acrylics Ltd., 755 GIDC Ind. Estate, Jhagadia.
- Apar Industries Ltd. Village Dungri, Ta. Valia.
- Godrej Shops Ltd., Valia.
- Gujarat Gaurdian Limited, Sh. No. 13, Village Kodh.
- Shree Ganesh Khand Udyog Sah., Vataria.
- VAM Organics Chemicals Ltd., C/O, Aper Ind. Ltd., Dungri, Valia.

### 3. Details of Industrial Cluster:

Sr. NO.	Products	Taluka	No. of Units	Investment	Production (MT.)	Employment (Nos.)
1	Common salt	Vagara	80	362.60 Lacs	206.78	714
2	Miscellaneous Chemicals,	Ankleshwar	212	4710.92 Lacs	12296.36	7000

#### 4. Details Of Identified Cluster

**Name Of The Cluster : Dyes & Chemical Cluster, Ankleshwar.**

1	Principal Products Manufactured in the Cluster	Dye & Chemical, Pharmaceutical & Bulb Drug
2	Name of the SPV	Ankleshwar Industries Association.
3	No. of functional units in the Cluster	212
4	Turnover of the Cluster	Rs. 3000/- Crores/annum
5	Value of Exports from the Cluster	Rs. 325/- Crores/annum -
6	Employment in Cluster	7235
7	Average investment in plant & Machinery	Rs.2000/- Crores
8	Major Issues/ requirement	Environmental
9	Presence of capable institutions	Fair
10	Thrust Areas	-

#### 5. **Problems & Constraints:**

As Ankleshwar, Panoli and Jhagadia Industrial Estates are declared under critically polluted Industrial Estate category on account of certain environmental issues from January- 2010, expansion/diversification project of existing industries and setting up of new industries in these Industrial Estates have been come to a standstill.

#### 6 . **Present Status of the Cluster :**

Due to the Moratorium on Ankleshwar, Panoli and Jhagadia Industrial Estates by the Ministry of Environment & Forest, Government of India, industries invested huge amounts on expansion of their capacity or setting of new unit are incurring huge loss on interest and present status of industry is that of 5 Years.

( **Source** : Ankleshwar Industries Association, Ankleshwar.)



**CHAPTER – VII****NEW INDUSTRIAL POTENTIALITIES**

The industrial potentialities of an area would be related to (a) the resources of area or (b) the local demand or (c ) some special conditions obtained in the area. The first two sources of industrial potentialities are self – explanatory. The third source of industrial potentialities as mentioned above relates to factors, which do not have universal applicability but special to a particular area. These factors may be (a) historical accident (b) product oriented infrastructural facilities and so on.

District offers good scope for entrepreneurs to establish new industrial units for manufacturing various products. The industries are suggested based on resources available in the area, industrial requirements and terms based on consumer and institutional demand. The objective of rural dispersal of industries to mobilize local resources has been kept in view while suggesting the industries.

In Bharuch district infrastructure for the prospect & growth of industries is good. Specifically in Jhagadia , a large industrial estate is developed by GIDC over an 1700 hectares. The estate is developed for chemical and pharmaceutical industries and infrastructure in terms of power, water & effluent disposal has been provided. So the demand based industries like pharmaceuticals, chemical and the engineering industries to supply vessels for chemical industries & machinery parts have good prospect in this area.

Dahej is a port location in South Gujarat well connected by road & rail network. A chemical port terminal is under commissioning with a capacity of 4 million tones of various cargos. IPCL has commissioned a 4.5 million tone capacity petrochemical complex. Adequate land is being developed by GIDC for chemicals and down stream petrochemical industries. Infrastructure in the form of power, water & effluent disposal is being developed.

On the basis of personal discussion with the leader of Industrial Associations, other industry connected persons and Govt. officers of different agencies it is concluded that the following industries have the potential to come up in the district.

## **I. RESORUCE BASED INDUSTRIES:**

Looking to the agriculture production of paddy in Valia, Jhagadia, Ankleshwar & Hansot taluka, Rice Mill has a good potential in these area. Moreover, rice flakes, mamra, instant food products of rice industries have also a good scope in Bharuch District.

Looking to the production of tur in the whole Bharuch district the pulse mill and other pulse related instant food product manufacturing units have good potential in this district.

Looking to the production of cotton in Palej, Nabipur and Amod area the scope of Ginning mill, cotton seed mill, spinning and weaving and other textile connected ancillary units have a good potential in these area.

There is good crop of Soya bean & groundnut in valia, Jhagadia (Tribal area). So in this area oil mill has a good potential.

In general following resource based industries have prospect in Bharuch District.

### **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	Oil Mill	15141
4	Pickles	15136
5	Pulse Mill	15313
6	Sugar Mills	15421
7	Paper Mill/Printing Press	22211
8	Fruit Juices & Squashes	15134
9	Caster Oil	15142
10	Cattle Feed	15331
11	Namkeen	15316
12	Biscuits	15412

13	Dal Mill	15313
14	Tuti Fruity from Papaya	15134
15	Bakery	15419
16	Instant Mix e.g. Gulab Jamun mix, Dahi Vada mix etc.	15318
17	Mango Juice	15134
18	Mango Powder	15134
19	Besan Mill	15311
20	Groundnut Roasting	15492
21	Groundnut Oil	15142
22	Ice Cream	15205
23	Spice Powder	15134
24	Mamara/pova	15319
25	Pop Corn	15497
26	Potato Wafer	15499
27	Onion and Garlic Dehydration	15132
28	Dhana Dal	15313
29	Makai Poha	15315
30	Papad	15496

**B. 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
10	Fishing Nets	17235
11	Nylone Monofilament Yarn	17114
12	Rigid Polyethene Pipes	25209

**C. Pharmaceuticals:**

1	Pharmaceutical Tablets	24231
2	Metronidazole Bulk Drug	24231
3	Vitamin Mixes	24231
4	Ayurvedic Medicines	24233
5	Metronidazole Bulk Drug	24232
6	Chloroquin Diphosphate	24119

**D. Electronic Items:**

1	Uninterruptable Power Supply (UPS)	31200
2	S.S.B. Modulators for Cable T.V.	31300
3	Quartz Wall Clock	33101
4	Electronic Gas Lighters	31901
5	Kisan Torch	31506

**D. Electrical Engineering Items:**

1	Power Transformers	31101
2	PVC Cable & Wires	31300
3	Metal Boxes	29295
4	Auto Electric Horn	31907
5	Metal Tank for Power Transformers	29295
6	Tube Light Starters	31901
7	Electric Chokes	31506
8	Electric Motor (up to 10 H.P.)	3113
9	Diesel Generator Set	31103
10	Submersible Pumps	29121
11	Tube Light Metal Fixtures	31109

**E. 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	Ciramic pipes	26921

**F. Chemical & Allied Products:**

1	Di – Phenyl Oxide (DPO)	24119
2	Soft Drink Concentrates	24293
3	Aluminum Chloride	24117
4	Tartaric Acid	24116
5	Sodium Bisulphate	24117
6	Epoxy – Polyamide Resin	24229
7	Vinyl Sulphate	24119
8	Synthetic Iron Oxide	24113
9	Bisphenol – A	24119
10	Bon Acid	24116
11	Mono Chloro Acetic Acid	24112
12	Benzyl Acid and its salts	24112
13	Liquid Oxygen	24111
14	Pesticides	24219
15	Resin, Varnish & Paints	24222
16	Petrochemicals	23209
17	Caustic soda Flakes	24117

**H. Mechanical Based Items:**

1	Industrial Vales	29121
2	Reduction Gear Boxes	29131
3	Automobile Springs Coal Spring	29121
4	Executive & Conference Chair	36102
5	Pressure Gauges	29121
6	Metallic Filters for Industrial Use	28999
7	Piston Rings	29121
8	Injection Molding Machine	29295
9	Ball Bearings	29131
10	Refrigeration & Air Conditioning Equipments	29303
11	Dry Cell Batteries & Storage Batteries	31404
12	Air & Gas Compressors	29121
13	Steel Rolling Mills	29243
14	Water Coolers	29306
15	M.S. Wire mesh	27182
16	S.S. Fasteners	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
4	Mining, Querying & Grinding of Lignite	10203
5	Off Shore Extraction of Petroleum	11101
6	On Shore Extraction of Petroleum	11102
7	Off Shore Extraction of Natural gas	11103
8	Mining of Aluminum ores	13203

**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
9	Emery Powder	14292

**L. Marine Based Industries:**

1	Iodized Salt	24298
2	Salt Cake	14222
3	Salt mining	14221
4	Salt common	24298
5	Salt Crystal	24298
6	Salt Rock	14221
7	Canning of Fish	15124

**M. Textile Industries:**

1	Hosiery	17301
2	Grey Cloth Processing	17115
3	Twisting	17129
4	Texturizing	17121
5	Crimping of Yarn	17111
6	Weaving	17118
7	Power Looms	17111
8	Crimping of Yarn	17111
9	Cotton knitted	17115
10	Synthetic Fibres	17303
11	Polysteras	17114
12	Acrylic Yarn	17114
13	Filament Yarn	17114
14	Yarn Fibre Glass	26102

**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 this in view of rising trend in the use of these implements.

Major Agriculture Implements based industries are as under :

1	Harvestor	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 Bharuch district.

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

These items are required in huge quantities for assembling and repairing of vehicles etc. few units can be set up in Bharuch district.

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 Bharuch district.

### **III. ANCILLARY DEVELOPMENT:**

Looking into the requirement of Medium / Large Scale Industries in Bharuch and Southern Gujarat, following new industries could be considered for establishment in the district:

Sr. No.	Description	NIC- 2004 Code
1	Fasteners	28991
2	Grinding Wheels	29246
3	Hand Tools	29229
4	Portable Electric Tools	31909
5	Welding Accessories	29229
6	Diamond Dressers	29242
7	Various types of bearings	29131
8	V – Belts	25192
9	Aluminium Coil & Dye Casting	27320
10	Raw Materials – M. S. Angles, M. S. Sheet, M. S. Bright Bars, M. S. Channels.	27152
11	Hardware Items – Hex Screws, Hex Nuts, Socket Screws, Plain Washers, etc.	28191

12	Electrical Items – Electric Motor, Contractors, Panel Boxes, Auto Length Controlled Units, Drives Cables, etc.	31103
13	Machinery Spares – Mill Spares, Pump Spares, Turbine Spares, Centrifugal Electrical Spares (For Motor, Starters and Control Panels, etc.) depending upon requirements.	29112
14	Rubber Items – Different type of Flexible Coupling busses, Oil Seals, Diaphragm, Rubber Joint Sheets, etc.	25199
15	Galvanized Threaded Rods	27190
16	Galvanized Oil, Cutting Oil, Hydraulic Oil, Grease Oil, etc.	23109
17	Iron and Steel Items, Castings, Forged Products	27130
18	Alloy Steels, Stainless Steel, Mild Steel	27151
19	Compressor	29121
20	Diesel Engines	34107
21	Hydraulic Pumps / Motor / Valves	29128
22	Abrasive Powder	26993
23	Industrial Gas	40200
24	Paint oil	24222
25	Coated Abbrasive	26993
26	Printing Ink	24223
27	M. S. Pipes, M. S. Shafting, M. S. Channel	27152
28	Copper Scrap, Brass Scrap, Zinc	27201
29	Packing Boxes- wooden	20239
30	Items pertaining to process (Chemicals):-	
	i Lime	26944
	ii Sulphur	24117
	iii Phosphoric Acid	24112
	iv Caustic Soda	24117
	v Washing Soda	24117
	vi Hydrogen	24111
	vii Various grade of oil & grease for lubrications	29299
	viii Various Laboratory Chemicals in minor quantities	24299
	ix Gunny Bags / P. P. Bags	17226
	x Chemicals Mixing Plant.	29297

	xi	Soap Medicated	24121
	Xii	Boilers- Industrial	29119
31		Synthetic Fabrics	17114
32		Miscellaneous – Welding Electrodes, Cutting Gas, Lifting Tools, Rope, Wire Rope, Chains, etc.	28992
33		Expended metal	28999
34		Soap Stock	15146
35		Fire bricks	26931
36		Cotton Hose	25209
37		Plastic Hose	25209
38		Extrusion of Molding (Job)	25209
39		Power Plant Alternators	31101
40		Transformer Tanks/Cooling tubes	31102

Before setting up the above industries based on the Ancillary requirement of medium /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 viral role in establishing the industry and running the same successfully.

#### **IV Small Manufacturing/Service/Business Enterprises :**

**Potentials areas for service industry :** Details of various Service activities are as under.

<b>Sr. No.</b>	<b>Description</b>	<b>NIC- 2004 Code</b>
1	Xerox Centre	74993
2	Computer Job Work & Training Centre	72300
3	Cyber Café, Network, E-mail Service, Internet Service	72901

4	Mobile Phone Service	64202
5	Courier Service	64120
6	Automobile Spares, Service and Repairs	50404
7	Video Library	92312
8	Circulating Library	92312
9	Coaching Classes	80902
10	Beauty Parlours	93020
11	Flour Mills	15311
12	Repairing of Electrical & Electronic Equipments	52603
13	Steel Fabrication	28112
14	Electric Motor Repairing	31108
15	Laundry and Dry Cleaning	93010
16	Caterers and Decorators	555204
17	Fast Food and Snack Parlour	55209
18	Ice Cream Parlour	55206
19	Pathology Laboratory	85195
20	Pest Control	74930
21	Provision Stores	52110
22	Stationery Stores	52396
23	Tailoring Shop	18105
24	Advertising Agency	74300
25	Installation and Operation of Cable Network	64204
27	Bore well Repairing	29128
28	Computerized Wheel Balancing	50200

**CHAPTER – VIII****CONCLUSION**

District Industrial Potentiality Survey Report of Bharuch 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 Bharuch district offers good scope for entrepreneurs to establish new industrial units for manufacturing as well as service based industries.

**REFERENCES**

1	District Statistical Roop-Rekha, Bharuch
2	Annual Credit Plan 2015-16 (Lead Bank Cell, Bank of Baroda, Bharuch
3	Statistical Abstract of Gujarat State-2015



## **ABBREVIATIONS**

DIPS	District Industrial Potentiality Survey
MSME	Micro, Small & Medium Enterprise
AI	Artificial Insemination
DIC	District Industries Centre
ICDP	Intensive Cattle Development Programme
BAIF	Bharatiya Agro Industries Foundation
CPWD	Central Public Works Department
RRB	Regional Rural Bank
NABARD	National Bank for Agriculture and Rural Development
Sq. Km.	Square Kilometer
Ha.	Hectare
mm.	Mili meter
R & B	Road & Building
GSDMA	Gujarat State Disaster Management Authority
PLP	Potential Linked Credit Plan
NFS	Non Farm Sector
SHGS	Self Help Group Scheme
BSNL	Bharat Sanchar Nigam limited
NABARD	National Bank for agriculture & Rural Development
APMC	Agriculture produce marketing Committee
NGOs	Non-Governmental Organizations
MDR	Major District Roads

ODR	Other District Roads
VR	Village Roads
RRBs	Regional Rural Banks
DCCB	District Credit Co-op Bank
LDB	Land development Bank
ITI	Industrial Training Institute
SACP	Service Area Credit Plan
RBI	Reserve Bank of India
RRBs	Regional Rural Banks

## STEPS TO SET UP MSMEs

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

S.No.	Type of assistance	Name and address of agencies
1.	Provisional Registration Certificate (EM-1) & Permanent Registration Certificate (EM-II)	District Industries Centre Nr. Gayatrinagar, Nr. Multi Storied Building Bharuch-392 001
2.	Identification of Project Profiles, techno-economic and managerial consultancy services, market survey and economic survey reports.	MSME-Development Institute Harsiddh Chambers, 4 <sup>th</sup> Floor, Ashram Road, Ahmedabad-380014
3.	Land and Industrial shed	Office of The Divisional Manager (S.G.), GIDC Administrative Building,, P.NO.C-5/101, GIDC, VAPI-396 195, Dist. Valsad.
4.	Financial Assistance	Commercial Bank, SIDBI, Navjeevan, 1 <sup>st</sup> Floor, B/h. Guj. Vidhyapith, Ahmedabad
5.	For raw materials under Govt. Supply	NSIC, 202 Samruddhi Building, Navrangpura, Ahmedabad-380009
6.	Plant and machinery under hire/purchase basis	NSIC, 202 Samruddhi Building, Navrangpura, Ahmedabad-380009
7.	Power/Electricity	Dakshin Gujarat Vij Co., Ltd., Bharuch

8.	Technical Know-how	MSME-DI,Ahmedabad & NSIC, Ahmedabad
9.	Quality & Standard	BIS,Pushpak Bldg., Khanpur, Ahmedabad-380001
10.	Marketing/Export Assistance	MSME-DI,Ahmedabad, NSIC,Ahmedbad
11.	Other Promotional Agencies	CED,Ahmedabad,IGTR,Ahmedabad GETCO-Bharuch, CIPET- Ahmedbad, NID-Ahmedbad, NABARD-Bharuch