



**DISTRICT INDUSTRIAL POTENTIALITY SURVEY REPORT
OF**

AHMEDABAD DISTRICT

(2013-14)

Prepared by

T.K.SOLANKI

Assistant Director (STAT.)wq



MSME- DEVELOPMENT INSTITUTE

GOVERNMENT OF INDIA

Harsiddh Chambers, 4th Floor,

Ashram Road, Ahmedabad-380014

Ph: 079-27543147/27544248

E-mail: dcdi.ahmbad@dcmsme.gov.in

Website: www.msmediaahmedabad.gov.in

PREFACE

The present economy of any developing nation depends upon the prevailing relationship with World Economic Union and globalised economy of the Developed Nation. To boost the present economy and for achieving targeted growth rate, one must raise the growth of the industrialization. Population explosion is one of the major hurdle in growth process of the economy at targeted rate in all sector mainly agriculture and industries.

For implementation of various Programmes and Policies, a good data base with information on available resources, basic infrastructure facilities, policies of the Central and State Government are essential. Simultaneously, it is also important to raise the efficiency of the local people by providing them skill development training programmes, which will help in gearing up the process of industrialization.

MSME-Development, Institute, Ahmedabad carries out District Industrial Potentiality Survey Report at regular intervals. The Report provides rich data base about industry type, availability of natural resources, infrastructural facilities, skilled man powers, market conditions etc. Sh.T.K.Solanki Asstt. Director Gr.II (Stat.) MSME-Development Institute, Ahmedabad has prepared District Industrial Potentiality Survey Report of Ahmedabad district by collecting useful statistics and information from the various State Government Departments and agencies.

I feel that DIPS Report of Ahmedabad is useful to the concerned entrepreneurs and various agencies. I extend my heartily thanks to all the State Government Departments and agencies etc., who have extended their co-operation in the preparation of this Report.

AHMEDABAD
July, 2014

(D. CHANDRASEKHAR)
DIRECTOR

ACKNOWLEDGEMENT

MSME-DI Ahmedabad acknowledges the support and assistance of following Government Departments and Agencies for providing us the information and details in the preparation of this DIPS Report of Ahmedabad District.

Sl. No.	Name & Addresses of Office	Contact No.
1	District Industries Center, 1 st Floor, Bachat Bhavan, Relief Road, Ahmedabad.	079-25508302
2	District Statistical Office, Jilla Panchayat, Lal Darwaja, Ahmedabad.	079-2551591
3	Gujarat Industrial Development Corporation (GIDC), Fadia Chambers, Times of India, Ahmedabad.	079-26580591
4	BSNL, Gulbai Tekra, Panchvati , Ahmedabad.	079-6306755
5	NABARD, Ushmanpura, Ahmedabad	079-27551584
6	District Employment Office, Bl. A, Ahmedabad.	079-22681021

INDEX

CHAPTER No.	DESCRIPTION	PAGE NO.
1.	District At A Glance	1 to 4
2.	Objective, Area and System	5
3.	District Profile	6 to 9
4.	Principal Resources	10 to 17
5.	Basic Infrastructure Facilities	18 to 36
6.	Present Industrial Structure	37 to 50
7.	Prospects of Industrial Development	51 to 60
8.	Conclusion	61

CHAPTER 1

DISTRICT AT A GLANCE

PHYSICAL AND GEOGRAPHICAL CONDITION:

AN OVERVIEW OF AHMEDABAD DISTRICT

Sl. No.	DESCRIPTION	
1.	Area	8086.81 sq. km.
2.	Temperature	Maximum 45 degree Centigrade and Minimum 9 degree Centigrade
3.	Average Rainfall	612 mm. (Maximum 1138 mm. to Minimum 327 mm.)
4.	Administration Head Quarter	Ahmedabad
	No. of Taluka	11
	Total No. of Villages	546
	Inhabited Villages	545
	Uninhabited Villages	01
	No. of No. of Gram Panchayats	517
	Group Gram Panchayat	38
	No. of Statutory Towns	09
	Census Towns	04
	No. of Mahanagarpalika	01
	No. of Municipalities	14
5.	Human Resources: Total (As per Census 2011) (P)	72,14,225 Persons
	Male	37,88,051 Persons
	Female	34,26,174 Persons
	Population Density	890 persons per sq. km

	Decadal Growth Rate	24.03 %	
	Rural Population	Total	11,49,436 Persons
		Male	5,95,094 Persons
		Female	5,54,342 Persons
	Urban Population	Total	60,58,764 Persons
		Male	31,91,956 Persons
		Female	28,66,808 Persons
	Literacy Rate	Total	85.31 %
		Male	90.74 %
		Female	79.35 %
	Sex Ratio	903 female per 1000 male	
6.	Land Utilisation		
	Total Area	7,748 Hector	
	Forest Area	106.82 Hector	
	Area under cultivation	5,389 Hector	
7.	Main Crops		Wheat, Rice, Bajri, Jowar, Groundnut, Tobacco, Castor, & cotton
8.	Main Minerals		Bauxite, Lignite, Bentonite, Zipsum, Silica sand, Cide rites, Red oxide etc.
9.	Roads: Total Length		
	National Highways	201 Km	
	State Highways	1,016 Km	
	District Main Roads	1,300 Km	
	Rural Roads	880 Km	

10.	Railways	-
	Total No. of Railway Stations	60
	Broad Gauge Railway Stations	18
	Meter Gauge Railway Stations	42
	Total Railway Length	356 km
	Broad Gauge Length	111 km
	Meter Gauge Length	245 km
11.	Communication Centers	
	No. of GPO	4
	No. of Sub Post Office	170
	No. of Branch Post Office	368
	No. of Main Telegram Office	02
	No. of Sub Telegram Office	36
	No. of Branch Telegram Office	03
	No. of Telephone Exchange	21
	Bureau Fax Service Station	NA
12.	Financial Institutions	
	Lead Bank	01
	No. of Nationalised Banks	28
	No. of Nationalised Bank's Branches	773
	Total Branches of all Commercial Banks	836
	Urban Co-operative Bank Branches	06
13.	No. of Villages with more than 5000 population	27

.14.	No. of Hospital	8		
	No. of Social Health Centers	9		
	No. of PHC	41+ 2 Mobile units		
	No. of Sub PHC	279		
	Veterinary Centers			
	Veterinary Dispensaries	17+ 1 Mobile unit		
	Veterinary Sub Centers	19		
15.	Industrial Scenario from 02.10.2006-07 to 31.03.2014	Type of Enterprises		
	Description (Enterprises including Manufacturing & Service Sector) (from 02.10.2006 to 31.03.2014)	No. of Registered units	Total Investment Rs. In Lacs	Employment
	Micro	63915	8,70,887.57	3,74,693
	Small	5375	6,83,762.18	1,19,174
	Medium	208	1,78,539.19	19,880

CHAPTER: 2

OBJECTIVES, SCOPE AND METHODOLOGY:

OBJECTIVES:

The main objective of the District Industrial Potential Survey Report (DIPS) is to find out the possibilities of establishing and developing new manufacturing units on the basis of available local resources and demand in the district. To full fill these objectives, correct estimates of available raw materials, natural resources, infrastructure, monetary assistance to the economic sector, industrial policies and programmes need significant importance. The report is techno-economic in nature rather than a mere statistical representation. Government of India and State Government, both simultaneously extend various fiscal incentive support and policies for the industrial growth in the state. Financial stake holders also offers various incentives after assessing the potentials in relation to human resources and natural endowments for the industrial development facilitating optimum utilisation of scarce financial resources by channelising the same into different sub sector of industries for achieving higher industrial growth. It will be a focused guide and will be given due publicity to attract the entrepreneurs of the district.

SCOPE:

District Industries Potentiality Survey Report (DIPS) of Ahmedabad district was prepared in the year 2005-06. This Report is prepared with a view to achieve comparatively higher industrial growth rate. It has focused over the problems of the industrial sector and courteous endeavors have been put forth to provide information of the Central as well as State governments industrial policies and programmes to overcome the problems and aims to achieve the targeted industrial growth rate in the coming years. The existing prosperities of the district have generated esteem and inherent risk taking capacity of the entrepreneur.

METHODOLOGY:

District Industries Potentiality Survey Report (DIPS) is prepared by Assistant Director Sh. T. K. Solanki, (Statistics) of MSME-Development Institute, Ahmedabad. Derivations and compilations included in this Report by the data collected from various Offices of the State Government, Local Bodies, Financial Organizations, and other stakeholders working in the district, by giving concurrent weightage to the "Secondary" as well as "Primary" data and information about important variants like local markets, demand, agricultural and industrial operations and financial system etc..

CHAPTER 3

DISTRICT PROFILE

(i) Location:

Ahmedabad is the most industrialised district in Gujarat. It is located amidst the State between 20.00" to 23.40 North Latitudes and 71.06" to 72.9" East Longitudes. On the North Mehsana, Sabarkantha and Gandhinagar, while on West Surendranagar district and on South Gulf Cambay surrounds the Ahmedabad district. The total geographical area is 8086.81 sq. k. m.

Administration Structure:

Ahmedabad town is the district head quarter for the administration of the district. Besides City taluka, there are 10 other taluka namely Dascroi, Dholka, Bavla, Barvala, Dhadhuka, Ranpur, Sanand, Viramgam, Mandal and Detroj. There are 546 villages in the district.

Collector office is situated in Ahmedabad town, which looks after the administration of the whole district. Besides, there are 15 Municipalities and total 517 Village Panchayats including 38 Group Panchayats look after the administration at local levels and cooperates to the district headquarter for strengthening the economic growth of the district. General Manager is heading the District Industries Centre with various Managers working under him for the implementation of Government of Gujarat Schemes for the promotion and development of various industries across the district.

(ii) Atmosphere and Rainfall:

Ahmedabad district is having extreme climate with wide variation in temperature during different seasons. Highest temperature is 45' degree centigrade in summer and lowest temperature comes down to 9' degree Centigrade in winter season. Dandhuka and Viramgam taluka frequently faces drought problems due to meagre rain. Average 612 m.m. rainfall remains in the district during the monsoon season.

(iii) Type of land:

Ahmedabad district falls in the Agro Climatic Zone 13. Soil of Ahmedabad district is quite medium black known as Goradu in the Northern part and some areas of Sanand, Dascroi, Dholka and North Eastern part of Viramgam taluka have alluvial deposits which is considered as very good fertile soil with good moisture retention capacity. Other type land is found in the district such as loam and sandy loam in the district. "Kyari" type soil is also found in Southern part. While the soil of Dascroi and Sanand taluka are best for paddy crop. Some area in Dholka and Viramgam taluka having alluvial deposits in soil is highly fertile with abundant moisture covered by "rocky Soil" which is most suitable for pre monsoon crops like Cotton, Bajra and Jowar etc. Gujarat State Land Development Corporation (GSLDC) undertakes various community programme with the assistance from State & Central Governments. Terracing, contour building, land-leveling activities are undertaken, which has subsidy component up to 50 % to the small & marginal farmers and under the Farm Pond Scheme with subsidy component of 85 %.

(iv) Rivers:

Sabarmati is the main river of Ahmedabad district, which normally continuously provides irrigation having "Dharoi" dam. Besides it, khari, Meshvo, Bhogavo, Omkar, Bhadar, Nalika, Utavali and Rodh rivers also help the farmers for cultivation and provide potable water across the district. Number of Check dams and percolation tanks are constructed for the rain water cultivation.

(v) Irrigation:

Total length of Narmada and other canal is 121 km in the district. Moreover, nearly 2460 Patal Well and 1434 well provide irrigation facilities. There are two medium scale irrigation projects at Fatehwadi and Khari Cut Cannals exist in the district. Both of the canals provide only seasonal irrigation to the agriculture sector. Fatehwadi canal supplies water to City taluka, Sanand, Dholka and Bavla taluka of the district. Besides it, Khari Cut canal supplies water to Dascroi and City taluka part. 30 % of the total land in the district is irrigated, of which 75 % is irrigated through ground water and 25 % by the surface water. Sanand, dascroi and Bavla taluka are the having more than 50 % of the total land as irrigated.

(vi) Forest:

Nearly 17,036 Hectors of land lies under the forest area in Ahmedabad district. As per the National nomenclature, atleast 33 % area of the total land should be covered as reserved forest in the district. However, Ahmedabad district has less than the prescribed norms for the reserved forest area. Hence, farmers should be encouraged for plantation of Eucalyptus, Silanthus trees especially requires for veneer and plywood industries and people also to be encouraged for collection of forest products in the district.

(vii) INCOME:**Predominant Economic activities in the district:**

Ahmedabad city is commercial capital and major industrial centre of Gujarat State. It is classified as Mega City by merging 17 Municipalities and 30 Gram Panchyats vide Urban Development & Urban Housing Department, Government of Gujarat Notification dated 14th February and 20th July, 2006. Further, vide Notification dated 17th January, 2008 the entire area of Motera and Chandkheda Municipalities have been also merged in Ahmedabad city.

Ahmedabad is the most industrialized district in the Gujarat State. The district accounts for 21.5 % of total factories generating employment of 18 % of the total employment generation in the Gujarat state. Over 14% of the total investments in all stock exchanges in India and 60 % of the total industrial production are contributed by Ahmedabad district in the state.

Moreover, Agriculture and Animal husbandry are carried out predominantly as economic activities for the livelihood in the district also. By the end of year 2007, Ahmedabad was having an investment of approximately Rs. 15,399 Crore in various sub sectors such as Petrochemicals & refineries, Engineering, Chemicals, Drugs & Pharmaceuticals, Foundry, utensils, agro & Food Processing industries etc. Textile & Chemical have been the major sectors of investment and employment in the district since 1980. There are nearly 23,734 Small Scale industries having investments of Rs. 89,356.5 lacs generating employment of over 95,591 jobs are functioning in the state. Engineering, textiles, Chemical, Paper & Paper Products are the major sub sectors in the Small Scale industries sector having investment of Rs. 68,220 lacs.

(VIII) Climate & Rainfall: the district has extreme climate and wide variation in temperature is observed during summer and winter season. The average Maximum and minimum temperature ranges between 45' C to 9' C. The rainfall is highly irregular resulting into frequent draught conditions in most part of the district, particularly in Dhandhuka, Ranpur, and Barvala, Mandal, Detroj, Viramgam and Sanand taluka. The average rainfall during the last 10 years has been recorded 784 mm.

Food Processing Industries including Cold Storage and Dehydration Plants, production facilities about fruit pulp and pickles are one of the most emerging sub sectors in the state. IT\ITeS Sector like Software Development Centers, Business Process Outsourcing (BPOs), Knowledge Process outsourcing and Training and Educational Centers are also a part of emerging industries in the district. Some business conglomerates such as Adani Group, Reliance Industries, Nirma Group of industries, Arvind Mills, Claris Life Sciences, Cedilla Pharmaceuticals, Shell, Vadilal Industries, Rasna, Bosch Rexroth, and Stork & Rallepaal are functioning in the district. Most of the medium scale units are located in Ahmedabad, Sanand, Viramgam, Dascroi and Dholka taluka of the district.

YEAR WISE TREND OF UNITS REGISTERED IN THE DISTRICT

YEAR	NUMBER OF REGISTERED UNITS	INVESTMENT (LAKH.RS.LAKH.O	EMPLOYMENT
UP TO 1986	1954	39795.13	80121
1986-87	1972	2741.08	7781
1987-88	2170	3038.00	9731
1988-89	2281	3417.05	9524
1989-90	2288	3342.59	8537
1990-91	2375	3119.59	10375
1991-92	2601	3921.86	11393
1992-93	2215	3188.82	10799
1993-94	3010	4272.85	14955
1994-95	3025	4567.03	13350
1995-96	3085	5250.10	12742
1996-97	3101	5696.87	11991
1997-98	3177	4318.45	10889
1998-99	3171	5150.35	9210
1999-2000	2706	3670.66	7886
2000-01	2074	5688.34	8647
2002-03	1074	5964.42	4543
2003-04	1407	3122.81	3570
2004-05	1404	8936.95	4367
2005-06	1301	7845.73	4635
2006-07	SSI - 505 MSME – 884	2179.98 64148.00	2334 16367
2007-08	2348	102047.77	36667
2008-09	3958	166715.32	52328
2009-10	6227	290074.12	61875
2010-11	9124	371214.39	71017
2011-12	13196	306141.76	88236
2012-13	17944	378277.80	103590
2013-14	15034	309061.79	86831

CHAPTER 4

PRINCIPAL RESOURCES

Social, economic and industrial growth of any district obviously depends upon the availability of abundant natural as well as skilled human resources. Classification of these resources can be done as shown below:

(A) Human Resources:

It seeks greater importance in achieving consistent and targeted growth rate in every sector of the economy. Hence, it is divided mainly in two parts namely skilled and unskilled.

Labour force is deemed as a main key of economy. Availability of labour and high productivity can heavily contribute to the achievements of targeted growth. Labour force is spreaded over in nearly 3800 sq. km area of the district. Available skilled labour is nearly 38.20 % to the total human resources; of which 16.13% are engaged in agriculture and 22.07 % in the industrial sector is engaged in the economy of the district. According to Census, main characteristics of availability of resources are as given in the table as below.

Population: (as per Provisional Data of Census 2011)

Description	No.
Population Census 2011 (P)	Total : 72,14,225 Persons
	Male : 37,88,051 Persons
	Female: 34,26,174 Persons
Population density per sq. km.	persons per sq. km. 890 Persons
Village Population	Total: 11,49,436 Persons
Urbanised Population	Total: 60,58,764 Persons
Decennial Population increase rate	24.03 %
Male- female ratio	1000: 890

(B) Material Resources:

Industrial growth can be maximized by making the rational usage of the available various resources like technical knowhow, finance, productivity etc. at the proper time in ample quantity.

Agriculture:

Wheat, Rice, Cotton are the major crops in Ahmedabad district. Besides cucurbits, cabbage, cumin and citrus fruits are grown in the district.

(a) Land Utilisation:

Out of geographical area of 749637 hector of the district, the net cultivated area during 2009-10 was 597272 ha. (79.67 %). The area under current fallow was 92373 ha. The remaining area was accounted by forest, barren and cultivable waste.

Description of land utilisation is as mentioned below:

Sr. No.	Type of land	Hector
1.	Forest	17036
2.	Barren land and not cultivable land	77546
3.	Non agriculture purpose	63334
4.	Cultivable area	587272
5.	Permanent pasture	41834
6.	Current Fallow land	92373
7.	Other Fallow land	13397
8.	Net area sown	393179
9.	Multiple Cropping area	95953
10.	Total Sown Area	489132
11.	Total Geographical Area	749637

(b) Cropping Pattern:

The Union Government has launched National Food Security Mission as a 100 % centrally sponsored scheme. The objective is to increase the production of Wheat, rice & Pulses on a sustainable basis to ensure food security of the country. The district has been included under the said scheme for the production of Wheat from the year 2007-08.

The district has been identified for National Agricultural Development Programme (NADP) from the year 2007-08 with a view to resolve the agricultural development strategies and reoriented to meet the needs of farmers and to evolve a strategies rejuvenate agriculture sector.

Ahmedabad district is also selected for the implementation of Agricultural Technology Management Agency (ATMA) project from the year 2006-07 to bring drastic changes in the rural economy of the district. ATMA project is being implemented in the district through Agriculture University, Anand at Arnej Krushi Sanshodhan Kendra.

The principal crops are Cotton, Wheat, Paddy, Cumin, Castor, Jowar and Pulses. The main cash crop is Cotton. The district is also selected for cultivation of oil seed crops such as Groundnut, Rapeseed, Mustard, Soyabean, Sunflower, Sesamum, Sunflower and Castor under Oil Seeds production Programme. Castor & Mustard are the main oil seeds in the district. Fruit crops are grown in Dholka taluka. Cropping intensity is 107 % and the area brought under high yielding variety is 1,16, 348 ha. The net cultivated area is 3,04,669 hectares in the district. Paddy, wheat, bajra, pulses and unirrigated cotton are the main crops...

(c) Agricultural Production & Marketing:

The Co-Operative marketing system is well established in Ahmedabad district. The farmers used to sale and purchase agricultural produces from these markets. The marketing societies cover agricultural commodities like cotton, paddy, pulses etc.

The agricultural production of the last two years in the districts is described in the below mentioned table. :

ESTIMATED PRODUCTION OF VARIOUS CROPS IN THE DISTRICT DURING KHARIF SEASON

Sr. No.	Name of Crop	2011-12		2012-13			
		Area Hector	Productivity	Yield	Area Hector	Productivity	Yield
1.	Rice (I)	1035	2736	2643	1190	3110	2614
2.	Rice Un irrigated	0	0	0	0	0	0
3.	Bajri	128	180	1405	129	181	1395
4.	Maize	1	2	1638	0	0	0
5.	Juwar	2	2	1070	0	0	0
6.	Moong	20	9	453	19	9	435
7.	Math	28	17	599	46	29	635
8.	Udad	13	8	610	6	5	793
9.	Tuwar	11	11	985	11	12	1053
10.	Other Pulses	60	30	501	80	39	488
11.	Castor	280	542	1936	360	807	2243
12.	Sesamum	48	19	395	32	14	448
13.	Tobacco	2	4	1746	1	1	1884
14.	Cotton (I)	1192	4601	656	452	1426	537
15.	Cotton (UI)	900	1319	249	1767	2490	240
16.	Ground Nut	1	1	1864	2	3	1566

ESTIMATED PRODUCTION OF VARIOUS CROPS IN THE DISTRICT DURING RAVI SEASON

Sr. No.	Name of Crop	2011-12			2012-13		
		Area Hector	Productivity	Yield	Area Hector	Productivity	Yield
1.	Wheat (I)	1608	4920	3060	1292	4266	3303
2.	Wheat (UI)	696	556	799	606	473	780
3.	Jowar	10	11	1109	90	96	1065
4.	Other Cereals	0	0	0	0	0	0
5.	Gram	44	33	757	297	208	699
6.	Mustard	12	19	1568	18	28	1576
7.	Other Oil Seeds	509	190	373	19	9	474
8.	Cumin	155	105	677	266	183	687
9.	Onion	2	41	27396	1	22	29348
10.	Garlic	2	11	5709	0	0	0
11.	Guwar	3	2	586	6	4	581
12.	Banana	0	0	0	0	14	71856

DESCRIPTION OF VARIOUS CROPS IN THE DISTRICT DURING SUMMER SEASON

Sr. No.	Name of Crop	2011-12			2012-13		
		Area Hector	Productivity	Yield	Area Hector	Productivity	Yield
1.	Rice	100	367	3685	141	546	3875
2.	Bajri	18	50	2707	35	90	2562
3.	Ground nut						
4.	Moong	10	5	538	4	3	750
5.	Sugar cane	1	7	7178	0	0	0

Source: Directorate of Agriculture, Gandhinagar.

(d) Infrastructure for the Sale of Agriculture Produces:

Irrigation:

Water Resource projects can be classified into three categories (a) Major irrigation projects where culturable command area is more than 10000 hector, (b) Medium irrigation projects where culturable command area is between 2000 to 10000 hector and, (c) Minor irrigation projects where culturable command area is below 2000 hector. The minor irrigation assumes greater importance for sustainable development of agriculture sector in the district. The Monetary Institutional activities are to be emphasized for bank financing schemes for ground water exploitation, water lifting devices, lift irrigation and micro irrigation schemes. The ground water potential of the district is as under.

Horticulture:

Land of Dascroi and Dholka are much suitable for the plantation of mango trees, lemon, guava, chiku and pomegranate. State Government has initiated various schemes to support the farmers of the district for increasing the horticulture crop production taking into considerable demand and consumption of these products. Cultivation of rose and trumpets are increasing cultivation by the farmers due to increase in demand in the market.

Estimated Production of various fruits in the district is as under:

(Production in M.T.)

Sr. No.	Name of fruit	2011-12			2012-13		
		Hector	Production	Productivity	Hector	Production	Productivity
1.	Mango	235	718	3.06	236	944	4.00
2.	Guava	250	3,500	14.00	255	3,825	15.00
3.	Chiku	110	1012	9.20	111	1054	9.50
4.	Pomegranate	72	1,150	15.97	75	900	12.00
5.	Ber	710	6,555	9.23	720	6,974	9.69
6.	Banana	115	3,040	26.43	150	7,250	48.33
7.	Date Palm	1	8	8.00	1	9	9.00
8.	Papita	190	6,000	31.58	225	10,750	47.78
9.	Aonla	205	2,340	11.41	215	2,460	11.44
10.	Chiku	110	1,012	9.20	111	1,054	9.50
11.	Custard Apple	450	4,793	10.65	455	4869	10.70
12.	Coconut	4	23	5.75	4	24	6.00
13.	Citrus	1,240	13,770	11.10	1,250	14,375	1.50
14.	Others	43	1,058	24.56	95	2,245	23.63
	TOTAL	3,625	43,967	12.13	3,792	55,679	14.68

Production of Vegetables is as under: (Production in M.T.)

Sr. No.	Name of Vegetables	2011-12			2012-13		
		Hector	Production	Productivity	Hector	Production	Productivity
1.	Onion	0	0	0	25	569	22.76
2.	Brinjal	3,175	58,150	18.31	5,137	98,585	19.19
3.	Cabbage	1,077	19,500	18.11	1,243	22,747	18.30
4.	Okra	2,064	16,000	7.75	2,268	18,598	8.20
5.	Tomato	3,078	85,150	27.66	2,870	65,462	22.81
6.	Cauliflower	1,223	19,950	16.31	3,062	32,950	10.76
7.	Cluster bean	2,507	14,050	5.60	3,541	25,450	7.19
8.	Cow pea	2,287	23,250	10.17	2,614	26,794	10.25
9.	Cucurbits	7,191	98,600	13.71	7,580	1,58,550	20.92
10.	Other vegetables	3,091	74,948	24.25	6,580	1,75,215	26.63
	TOTAL	25,693	4,09,598	15.94	34,920	6,24,920	17.90

Production of Flowers is as under: (Production in M.T.)

Sr. No.	Name of Flowers	2011-12			2012-13		
		Hector	Production	Productivity	Hector	Production	Productivity
1.	Rose	350	2340	6.69	405	2865	7.07
2.	Marigold	550	2900	5.27	610	3023	4.96
3.	Mogra	160	1100	6.88	162	1118	6.90
4.	Lily	130	1050	8.08	145	1189	8.20
5.	Others	135	425	3.15	185	638	3.45
	TOTAL	1325	7815	5.90	1507	8833	5.86

Estimated Production of Spices is as under:

(Production in M.T.)

Sr. No.	Name of Spices	2011-12					2012-13				
		Hector	Production	Productivity Dry	Prod. Dry	Productivity Gm.	Hector	Production	Productivity Dry	Prod. Gm.	Productivity Gm.
1.	Cumin	2660	9044	.34	-	-	35927	16167	.45	-	-
2.	Fennel	100	85	.85	-	-	105	99	.94	-	-
3.	Chili	85	142	1.67	75	-	110	153	1.39	105	0.95
4.	Garlic	2200	13460	6.12	-	-	1137	7807	6.87	-	-
5.	Fenugreek	578	1220	2.11	-	-	604	1298	2.15	-	-
6.	Isabgul	0	0	0.00	-	-	15	27	1.80	-	-
7.	Suva	2300	2310	1.00	-	-	2247	2247	1.00	-	-

Source: Office of Assistant Director, Horticulture, GoG, Gandhinagar

Forest:

Talukawise Particulars of Forest Area as on 31/03/2013 is as given below:

Type of Forest Area	Total Area (in 00 Hec.)	Type of Forest	Total Area (in 00 Hec.)
Reserved Forest Area	45.8	Very Dense	0.00
Non-classified Forest Area under Clause-4	1.09	Dense	14.00
Unclassified	59.93	Open	130.00

Fisheries:

Fisheries are also an important economic activity as it provides sustainable livelihood and nutrition. The sector is broadly classified into various sub sectors depending upon the location of resources and pattern of exploitation. All the three sub sectors viz. Marine, Inland and Brackish water fisheries have huge potential as Gujarat state has longest coastal area. Whereas, in the land-locked district will have potential only for inland fisheries.

Inland fisheries is further classifies into Capture fisheries and Culture fisheries, based on the nature of exploitation. Capture fisheries refers to exploitation of naturally available resources without any stock management. While, Culture fisheries or aquaculture involves farming of fish/prawn in smaller and confines water bodies like ponds and tanks. Aquaculture can be fresh water aquaculture, if practiced in fresh water and brackish water aquaculture if done in saline water. Mari culture of sea farming is another potential activity in costal/open seawater (e.g. seaweed farming, lobster fattening, oyster culture etc.)

Ahmedabad district has good scope for inland water fisheries

Particulars of Fisheries are as given below:

Description	No.
Centers	NA
Total No. of Active Inland Fishermen	6214
Total Population of fishermen	11098
Male	5651
Female	5547
Marine Fishermen	0
Inland Fish Production (M. T.)	2722

Jila Roop rekha, Information Deptt., GoG, 2011

Particulars of Coastline Fisheries as given below:

Name of Instrument/Boat	No
Trawler	0
Gillnetter	20406
FRP/IBM	0
FRP/OBM	0
Wooden PBM	0
Doll netters	0
Non Mechanised Boats	359
TOTAL	20765

Source: Fishermen Census, 2007.

Live Stock Resources:

Description of various livestock in the district is as given below:

Sr. No.	Type of Live stock	Total Animal
1.	Cow	216941
2.	Buffalo	343699
3.	Ship & Goat	148950
4.	Camel	1307
5.	Horse	806
6.	Others	2522

Source: Livestock Census, 2007.

Dairy Development:

The Dairy Development Programme seeks vital significance as a supplementary source of additional income generation in terms of allied activities in the agriculture sector for bringing improvement of the living standards of small and marginal farmers and landless labourers of the district.

Mineral Resources:

Statistics of the various Major Minerals available in the district is as under:

Sr. No.		Production	Royalty (Rs.)	Production (Tonne)	Royalty (Rs.)	Value per M. T. 2013-14
		2012-13 (Tonne)	2012-13	2013-14	2013-14	
1.	Bauxite	Nil	Nil	Nil	Nil	Nil
2.	Quartz	Nil	Nil	Nil	Nil	Nil
	Minor Minerals					
1.	Ordinary Sand	1485817	17829804	1531318	18375816	12.00
2.	Black Trap	733271	1831775	469753	11743824	25.00

Source: Office of the Geologist, Ahmedabad.

CHAPTER 5

INFRASTRUCTURE FACILITIES:

Ahmedabad district is having a well-developed infrastructure which is conducive for the three dimensional growth of Industries, Service sector and agriculture. The district has a better literacy rate. Ahmedabad City is well connected by rail, road and air transport systems with rest of the country and other parts of the State. The district has very good network of all-weather roads of 123 km of National Highway and 1017 km of State highway passes through the district. There are 990 km of major district roads (MDR) and 334 km of other District roads apart from 1656 km of rural roads in the district. Total length of railways in the district is 369 km of which 111 km is broad gauge and 258 km meter gauge. All 546 villages in the district have been electrified under Jyoti Gram Vikas Yojana.

There are 593 Post Offices providing vital Postal and Telecommunication services in all the villages. The district has a network of 939 branches of Public and Private Sector Banks, ADCCB and GSCARDB as on March 2011. There are in all 5169 Co-op Societies, of which 469 Primary Agricultural Credit Societies (PACS) and 535 Milk Co. Operative Societies are functioning in the district. The district has reasonably well developed infrastructure in terms of Hospitals (Govt. & Private), Primary Health centers, Universities and College for various discipline, High Schools and Primary Schools.

A. Physical Infrastructure Facilities, and, B. Social Infrastructure Facilities.

(A) PHYSICAL INFRASTRUCTURE FACILITIES:

1. Availability of land for establishing various industries :

Availability of vacant plot of land in ample quantity should be easily available to the entrepreneurs. There should be balanced economic growth of the agricultural as well as industrial sectors in the district.

Gujarat Industrial Development Corporation (GIDC):

GIDC helps new as well as existing entrepreneurs for procuring industrial plots and getting other infrastructural and financial assistance from the various banks and institutions. At present, GIDC has established various industrial estates in the district. Thus, role of the GIDC seeks greater significant in developing balanced industrial growth in the district.

Industrial Estates situated in various Taluka are described as below:

Sr. No.	Name of Taluka	Name of Industrial Area	Total Area Hector	No. of units	Vacant sheds	Rate of Vacant sheds Rs.
1.	City	Apparel Park	38.04.00	19	N. A.	N. A.
2.	City	Behrampura (Zone D)	6.41.94	30	N. A.	N. A.
3.	Dhandhuka	Dhandhuka	40.43.49	183	N. A.	N. A.
4.	Dholka	Dholka	42.92.54	253	N. A.	N. A.
5.	City (E.)	Hanspura	14254.09	157	N. A.	N. A.
6.	City (E.) & Dascroi	Kathwada	125.83.92	589	N. A.	N. A.
7.	Bavla	Kerala	111.71.23	405	N. A.	N. A.
8.	City (E.)	Naroda	362.94.40	1848	N. A.	N. A.
9.	City (E.)	Odhav	127.87.57	1411	N. A.	N. A.
10.	Sanand	Sanand-II	1500.00.00	501	N. A.	N. A.
11.	Sanand	Sanand-RIDC	1.89.20	5	N. A.	N. A.
12.	City (E.) Maninagar	Vatva	534.41.16	2430	N. A.	N. A.
13.	Sanand	Chharodi	73.52.87	2	N. A.	N. A.
14.	Viramgam	Vani	02.02.00	1	N. A.	N. A.
15.	Viramgam	Viramgam	42.70.93	275	N. A.	N. A.

Source: Divisional Manager, GIDC, Ahmedabad.

2. Water Facility for the Industrial Units:

Water facility is the prime factor for constant manufacturing of finished industrial goods as well as agricultural produces for final consumption and for drinking facilities. The Gujarat Water Supply and Sewerage Board (GWSSB), irrigation canals and Sardar Sarovar Project manage the water resources in the district.

3. Sardar Sarovar Project:

The project envisages supply of water for drinking purposes, irrigation and industrial use. Water is made available for the industrial use through the branch canals laid down in the different taluka.

The branch canals that supplies water to Ahmedabad district are as given below:

Branch Canal	Length(Km)	District	Starting Point	End Point
Dascroi	3.87	Gandhinagar-Ahmedabad	Medra	Kathwada
Dholka	71.11	Gandhinagar- Ahmedabad	Ganpatpur	Simaj
Sanand	20.17	Mehsana- Ahmedabad	Vasnoi	Chharodi
Viramgam II	39.00	Mehsana- Ahmedabad	Adundra	Hansalpur
Goraiya	36.00	Ahmedabad	Madrisana	Bhojvu
Kharaghoda	44.00	Ahmedabad -Surendranagar	Fatehpura	Haripura

1. Electricity Facility:

There are two major power stations at Vatva and Sabarmati are situated in the district. Four 220 KV sub stations are at present operating at Salejda, Viramgam, Dhanki and Nikol. Four 132 KV sub stations are at present operating at Sabarmati, Vava, Dhandhuka and Barwala. Also, 66 KV and 11 KV distribution system is spread over the district.

Description of power stations situated in various taluka is as given below:

Sr. No.	Name of Sub Station	Taluka	Capacity in MVA
1	66\11 KV Kanbha	Dascroi	45
2	66\11 KV Naroda	City	45
3	66\11 KV Muthia	City	10
4	66\11 KV Barejdi	Dascroi	20
5	66\22 KV Barejdi	Dascroi	20
6	66\11 KV Jetalpur	Dascroi	20
7	66\11 KV Fulvadi	Viramgam	40
8	66\11 KV Mandal	Viramgam	20
9	66\11 KV Jakhwada	Viramgam	10
10	66\11 KV Dholka GIDC	Dholka	20
11	66\11 KV Dholka Town	Dholka	30
12	66\11 KV Koth	Dholka	20
13	132\11 KV Jalia	Dhandhuka	25
14	66\11 KV Bavla	Bavla	30
15	66\11 KV Salejada	Bavla	10
16	66\11 KV Kerala	Bavla	20
17	66\11 KV Chagodar	Sanand	30
18	66\11 KV Sanand	Sanand	45
19	66\11 KV Bopal	Dascroi	10
20	66\11 KV Chharodi	Viramgam	20
21	66\11 KV Moraiya	Sanand	10
22	66\11 KV Simaj	Dholka	10
23	66\11 KV Zamp	Bavla	10
24	132\11 KV Sabarmati	City	
25	66\11 KV Bhadaj	Dascroi	10

RENEWABLE SOURCES OF ENERGY AND WATER:

One of the most critical challenges of the emerging economies facing today is the energy requirement and at the same time judicious use of the natural resources and thus save the foreign currency. India spends heavily on conventional sources of energy. Climate change concerns, coupled with high oil prices are driving the growth of renewable energy not only in India but also across the globe. Renewable energy sources, the primordial power and energy of Sun, wind, water, wood and water or biomass energies have been silently serving the mankind since the pre-fossil fuel era. These sources are ecologically safe and are either infinite or replenishing themselves. The increasing cost of fuel based conventional electricity has caused a distressed interest in man to look up to the natural sources for meeting the daily energy requirements. The conventional sources of energy such as petroleum oil, gas and coal are finite and already depleting rapidly. Renewable sources of energy like solar power have entered the Indian energy sector. Government of India provides incentives to the projects through subsidies and tax holidays. NABARD has prioritized the renewable sources of energy as a thrust area. Gujarat is the first State in the country to install a one MW capacity solar power project on the Narmada Branch Canal near Chandrasan village in Kadi Taluka, 75 km away from Ahmedabad.

Renewable energy Resources:

Biogas: Bio gas is a clean and efficient fuel contain 65 % methane, about 34 % carbon dioxide and traces of other gases, such as hydrogen sulphide, and ammonia. Biogas is produced when organic materials like cattle dung are broken down in the absence of air, in 'Biogas Plant'.

Bio Mass: Biomass is organic material of recent origin, which can be used as a source of energy. It generally includes crops and other plants, as well as agricultural produces, forestry, sawdust and agro industrial waste. The principal sources of biomass are rice husk, woody biomass such as flora, casuarinas, other agro residues such as stalks/cobs/shells, sugarcane trash, cotton stalks, mustard stalks, groundnut shells etc. The estimated power potential from surplus agro residues in the country is about 17000 MW. In addition, about 500 MW of power can be produced, if the sugar mills in the country switch over to modern techniques of cogeneration.

Wind Energy:

In India, 10 % of installed power capacity comes from renewable sources and wind power contributes about 7 % of it.

Solar Energy:

Solar energy is an important resource in India with the potential to offer an improved power supply and increase India's energy security. On an average, the country has 300 sunny days per year and receives an average hourly radiation of 200MW/sq km. The Energy India Portal estimates that around 12.5 % of India's land mass, or 413000 sq km, could be used for harnessing solar energy. Solar photovoltaic Technology is employed for directly converting solar energy into electrical energy. Solar PV has found wide application in rural area for various important activities besides rural home lighting. Besides, solar thermal power technology is generally used in solar water heating system and solar cookers. Keeping in view the importance of solar energy, the Government of India has launched Jawaharlal Nehru National Solar Mission.

The Ministry of New and Renewable Energy, Government of India has announced a scheme for financing solar applications under Jawaharlal Nehru National Solar Mission (JNNSM). Installation of solar off grid (Photovoltaic and Thermal), and decentralised applications under the Jawaharlal Nehru National Solar Mission has been launched with a view to promote off-grid applications of solar energy (both photo voltaic and thermal) and to encourage replacement of non-renewable energy sources like fossil fuels, kerosene and diesel with solar energy to meet energy requirements in rural areas under the Capital Subsidy Cum Refinance Scheme.

(Source: NABARD PLP 2014-15 Ahmedabad)

Gas

Total 76.588 km long pipeline of Gujarat State Petrochemical is laid down for the continuous supply of gas to the social and industrial sector of the district for domestic and industrial consumption. Anand-Rajkot section admeasures about 48.178 km and Baroda-Ahmedabad-Kalol section is of 18.71 km in the district. A pipeline of 70.998 km is proposed in the district covering two sections Jafrabad and Gana-Rajkot Pipeline.

6. Telecommunication Facility:

Telecommunication facility also seeks greater significance in the process of industrialization and economic growth of any district as a modernized equipped infrastructure.

Taluka wise available infrastructure in the district is under:

Sr. No	Taluka	No. of Exchange	Total Capacity	Working Connection	Waiting List	Per cent of Utilisation
1	Ahmedabad	76	493494	344956	1240	-
2	Bareja	09	8750	2664	9	-
3	Barwala	10	6576	1028	0	-
4	Dhandhuka	11	6560	1371	0	-
5	Dholka	20	15856	3296	9	-
6	Sanand	13	19402	6489	82	-
7	Viramgam	21	13776	2760	3	-
8	Gandhinagar	26	54574	24203	142	-
9	Dehgam	10	10856	3040	5	-
	TOTAL	196	629844	389807	1490	-

Bharat Sanchar Nigam Limited, GMTD, Gul Bai Tekra, Ahmedabad.

7. Railway Infrastructure:

Ahmedabad district is well-connected by Broad Gauge railway lines with other districts and cities of the State and Country. It is also well-connected by meter gauge railway line with other taluka. There are 42-meter gauge and 18 broad gauge railway stations in the district. The total length of Broad Gauge line is 111 m and Meter Gauge line is 245 km in the district. It is directly connected to other important metropolitan cities and other major cities of the State and India like New Delhi, Mumbai, Chennai, Kolkata, Bangalore, Bhopal, Rajkot, Vadodara, Bhavnagar, Jamnagar, Mehsana, Vapi, Bharuch, Ankleshwar and Navsari etc. Thus, railway infrastructure immensely contributes towards the rapid economic growth of the district. It is mainly used for procuring raw materials from outside the district and for transportation of sold out finished goods to other markets in the various districts and States.

8. Road Infrastructure:

National High way No. 8 passes through the district connecting it with major industrial cities like Gandhinagar (28 km), Vadodara (110 km), Bharuch (182 km), Surat (278 km), Valsad (320km), Navsari (301 km), Anand (73 km), Jamnagar (313 km), Rajkot (225 km), Ankleshwar (195 km), Vapi 345 km), Mehsana (74 km) and Mumbai (516 km). As a part of Golden Quadrilateral, the 95 km long Ahmedabad-Vadodara Express Way connects the two districts, which has reduced the total journey by 2.5 hours.

Ahmedabad district is well-connected by roads with other cities of the State. National High way (NH) 8 passes through the district connecting it to other important cities like Ahmedabad (52 km), Surat (226 km) and Vadodara (59 km). Ahmedabad-Nadiad- Vadodara Expressway has a lot improved the connectivity between the district. It is also well connected with Gandhinagar (83 km), Jamnagar (322 km), Vapi (323 km), Mehsana (126 km) and Ankleshwar (143 km).

Delhi Mumbai Industrial Corridor (DMIC)

- Government of India plans to develop a dedicated freight corridor (DFC) linking Delhi, Mumbai, Kolkata and Chennai.
- The proposed DFC passes through six states in India, of which Gujarat accounts for 38 % (564 km) of total DFC length.
- The influenced area of 150 km on either sides of DFC is being developed as Delhi-Mumbai Industrial Corridor (DMIC).
- Almost 62 % of the total area of Gujarat (18 out of 26 districts) would be benefited by DMIC development.
- The State Government has identified 82 links in the DMIC influenced area to upgrade them into two/four lane carriageway offering connectivity between ports, industrial estate, hinterland, markets and points of agricultural produce.

Description of road is as given below:

Sr. No.	Description of road	Length (In kms.)
1.	National Highways	201
2.	State Highways	1016
3.	District main roads	1300
4.	Rural roads	880

Source: Road & Building Department,

Road Transport:

State Government Transport Corporation operates buses throughout the district. Moreover, private vehicles like jeep, rickshaws, tractor trolleys, cars, trucks, and motor cycles run over these roads in the district. There are nearly 464758 vehicles registered in RTO of the District. More over motor cycles, scooters, cars, trucks, tractors, trolley, rickshaws etc vehicles are used in large numbers. Model connectivity set up must be established among the SIR, SEZ, Seaports, Airports etc. to boost the industrialization and overall economic growth. Logistic parks can be erected in the port areas so that requirements for cargo handling and distribution can be managed in more efficient manner.

No. of various types of vehicles registered in RTO from 2009-10 to 2011-12 is as under:

Sr. No.	Type of Vehicle	No. of Vehicles
1	GOODS VEHICALE	-
(i)	Trucks/Lorries	99,435
(ii)	Tanker	9,838
(iii)	Three wheelers	1,28,205
(iv)	Other L.V. Goods Vehicles	65,581
2.	MOTOR VEHICLE	
(i)	Stage Carriage (Bus)	72,712
(ii)	Contract Carriage	NA
(iii)	Maxi Cab.	9,814
(iv)	School Bus	1,303
(v)	Private Service Vehicle	2,945
(vi)	Police Van	2,522
3.	AMBULANCE	2,985
4.	PRIVATE MOTOR CAR	10,61,715
	(including Station Wagon)	
5.	Taxi	27,455
6.	Jeep	90,616
7.	Auto rickshaw (PSV)	3,83,526
8.	Motor cycle/Scooter	48,20,414
9.	Moped	8,06,190
10	Tractor	1,20,307
11	Trailer	1,00,284
12.	Other Vehicles	27,400

Source: RTO, Ahmedabad.

9. Storage Godown & Market Yards:

There are total 11 Mandli are working in Ahmedabad for the sale of agriculture produce with a view to accrue remunerative gains to the farmers on their sale as well as at the fairly reasonable prices to the ultimate consumers in the district. A high quantity of food grain production is lost between the farm and ultimate consumer in the district due one or other reasons. It is presumed that due to lack of proper storage facilities about 30 % food grains, especially horticulture crops are lost. This also leads to distress in sale of the produce, financial loss to the farmers and affects the consumption level of poor people, which ultimately results in starvation of the poor people. So, production and marketing are inextricably interlinked in the agriculture sector. An effective marketing system is the key driver of the agoeconomy of the whole country. It aims at ensuring remunerative prices to the producers as well as smooth supply of commodities to the consumers' economy rates without additional higher cost on marketing inputs. In order to protect the interest of nation in the global arena and the local economy, Government had initiated various reforms to address the issues relating to marketing and marketing infrastructure for agriculture produce.

Thus, to meet the demand of the farming community for scientific storage to avoid more wastage and produce deterioration, **Government of India has introduced capital linked credit subsidy for rural godowns, cold storages and creation of agricultural produce marketing infrastructure.**

NABARD WAREHOUSING SCHEME:

With a view to developing the warehousing sector in the country and to bring efficiency in the conduct of the warehousing business through the negotiable warehouse receipt (NWR) system, a dedicated scheme for providing assistance for creation of storage infrastructure with a corpus of Rs. 5000 crore has been introduced by NABARD. The Scheme titled "NABARD Warehousing Scheme" 2013-14 (NWS), approved by the Union Finance Ministry, envisages direct loan by NABARD to public and Private sector.

Loans will be provided under the scheme for projects involving construction of Warehouses, Silos, Cold Storage /other cold chain activities. Projects financed under the scheme should not only confirm the norms lay down by the Warehousing Development and Regulatory Authority (WDRS) but also give an undertaking for obtaining accreditation/registration from WDRA on completion of the infrastructure.

Ministry of Agriculture, GoI has since advised that all NABARD assisted storage infrastructure projects would be eligible for capital subsidy under Gramin Bhandara Yojana.

(Source: NABARD PLP 2014-15, Ahmedabad)

11. Airport Infrastructure:

Ahmedabad has one well established airport namely Sardar Vallabhbhai Patel International Airport with combined facilities of National and International Terminals. It is well connected with other National airport like Vadodara, Mumbai, Chennai, Bangalore, Hyderabad, Calcutta, Goa, Coimbatore, Puna, Kolkata and Jaipur. International Terminal is well connected directly or indirectly with other countries of world like USA, England, France, China and Japan. There are well airways companies such as Air India, Indian Airlines, Jet Airways, NEPC Airlines, Damania Airways, East West Airlines and Fly Emirates provide services to the passengers all across the nation as well as for international flights.

12. Port:

Dholera is the nearest port in the district. It is an ideal location for developing Special Investment Region (SIR) having close proximity to the coast. SIR has proper industrial infrastructure including airport connectivity, power plant and water supply. A self contained and comprehensive SIR development plan with residential, commercial and entertainment zones is proposed to the authority. A proper general cargo and container port and ship building\repairing yard at Dholera is also proposed. It is connected to NH 8 A (Bagodara), NH 8 (Anand) and augmentation of Bagodara-Bhavnagar, Bagdara-Surendranagar-Radhanpur link. Ahmedabad industrial area lies within 100 km of the Dedicated Freight Corridor in Central Gujarat.

(B)SOCIAL INFRASTRUCTURE FACILITIES:

1. Industrialisation/Entrepreneurship:

Ahmedabad is most industrialized district in the Gujarat State. The district accounts for 21.5 % of total factories generating employment of 18 % of the total employment generation in the Gujarat state. Over 14% of the total investments in all stock exchanges in India and 60 % of the total industrial production is contributed by Ahmedabad district in the state. Moreover, Agriculture and Animal husbandry are also carried out predominantly as economic activities for the livelihood in the district. By the end of year 2007, Ahmedabad was having an investment of approximately Rs. 15,399 Crore in various sub sectors such as Petrochemicals & refineries, Engineering, Chemicals, Drugs & Pharmaceuticals, Foundry, utensils, agro & Food Processing industries etc. Textile & Chemical have been the major sectors of investment and employment in the district since 1980. There are nearly 23,734 Small Scale industries having investments of Rs. 89,356.5 lacs generating employment of over 95,591 jobs are functioning in the state. Engineering, textiles, Chemical, Paper & Paper Products are the major sub sectors in the Small Scale industries sector having investment of Rs. 68,220 lacs. Food Processing Industries including Cold Storage and Dehydration Plants, production facilities about fruit pulp and pickles are one of the most emerging sub sectors in the state.

IT\ITeS Sector like Software Development Centers, Business Process Outsourcing (BPOs), Knowledge Process outsourcing and Training and Educational Centers are also a part of emerging industries in the district. Some business conglomerates such as Adani Group, Reliance Industries, Nirma Group of industries, Arvind Mills, Claris Life Sciences, Cedila Pharmaceuticals, Shell, Vadilal Industries, Rasna, Bosch Rexroth, and Stork & Rallepaal are functioning in the district. Most of the medium scale units are located in Ahmedabad, Sanand, Viramgam, Dascroi and Dholka taluka of the district.

There are 11 Special Economic Zones (SEZ) namely Ahmedabad Apparel Park, Pharmez, Million minds SEZ, Phaez, City Gold Realities Pvt. Ltd., Adani Township & Real Estates Co. Pvt. Ltd., 3rd Eye Voice SEZ, Dholera SEZ, Dishman Pharma SEZ and Jindal World Wide Ltd. Functioning or proposed in the district. Moreover, 10 Industrial Parks namely M\s GNFC Ltd., M\s Ganesh Housing Co. Ltd., M\s Gujarat Pharma Techno Park, M\s Shree Rang Infrastructure Pvt. Ltd., M\s Gujarat (Bhal) Construction Ltd., M\s Devraj Infrastructures Ltd., M\s Jayani Project Ltd., M\s Sun Blue Infrastructure Pvt. Ltd. and, M\s Pradip Overseas Ltd. are also operating in the district.

Transport operators, retail trade, small business, professional and self employed, education, housing and consumption comes under other priority sector. Moreover, the district has good number of Doctors, Engineers, Chartered Accountants and Software Designers who are setting up self-employment ventures. With urbanization professionals in rural areas are upgrading their infrastructure and setting up their own offices at different blocks to meet the local demand.

The activities falling under the category of other priority sectors are otherwise referred to as the 'Service Sector' or 'Tertiary Sector'. The potential for development of this sector thus depends upon the generation of effective demand, which in turn depends upon the purchasing power of the people. These activities are considered vital for sustainable development activities other sectors of the economy. Lending to these economic activities assumes significance from the point of view of linkage support provided by it to Agriculture (Primary Sector) & Rural Non-Farm Sectors (Secondary Sector) and for the over-all development of the district economy. Financing of Professional and self-employed persons enables them to set up their own enterprises and provide employment opportunities. With many of the well-established educational institutions located in Ahmedabad, credit for higher education may be one of the major areas where demand for credit can be expected to further increase in the coming years.

Moreover, adequate gas/service stations, showrooms of vehicles, insurance offices etc. in the district for supporting the transport activity as traders procure their merchandise. The government of India and Government of Gujarat have focused its efforts on development of skilled work force through technical education to create local entrepreneurship, promote self-employment and easy absorption in local industries.

Gujarat International Finance Tech City (GIFT):

The Government of Gujarat has set up 'Gujarat International Finance Tech City Company Limited' (a joint venture between Gujarat Urban Development Corporation Ltd. and, Infrastructure Leasing & Financial Services) to develop and implement the said project. The location of the project is 12 km from Ahmedabad city by the International airport and 8 km ahead of Gandhinagar district on N. H. 8.

The main concept of the project is:

- Creation of a hub for the global finance services to be provided to the various industries.
- State of the art connectivity, infrastructure facilitation and better transportation access
- An attractive pricing strategy.

Linkages:

- Infrastructural services for supporting the business sector including connectivity, IT walk-to-work housing, security and auxiliary services.
- A 12 km dedicated expressway to the International Airport is being built as a part of the project.
- Mass Rapid Transit system Project linking Gandhinagar and Ahmedabad city.

Project Description and Component Mix:

GIFT would be the central business hub of an integrated Development plan sprawling over about 27,000 acres (about 104 sq. km)

Current Status of the Project:

- Land acquired and transferred to GUDC
- Detailed Master Plan completed.
- Built form engineering underway
- Approval of GoG received
- Approved of GoI received from SEZ
- Infrastructure Planning completed
- DPR's under preparation
- Site preparation activities have been completed.

Description	Land acquired for GIFT (Acre)
Land	500
Multi services SEZ	250
Domestic tariff area	250
Built space	7.5 mn sq. m.
FSI\FAR	3.65
Green Belt	0.59 mn sq. m.
Building height	400 m

2. Marketing Potential:

There are well developed Market Yards in each taluka of Ahmedabad district for the distribution of the agricultural produces. Farmers can accrue more competitive prices of their produce in these market yards by selling their produces. There is good infrastructure in the district for the sale of industrial goods and services manufactured and produced. The Mandli are working in Ahmedabad, Bavla, Dholka, Dhandhuka, Sanand, Viramgam, Mandal, Ranpur, Barvala, Rampura and DMI under the administration of Gujarat State Agricultural Marketing Board.

3. Credit Banks & Lending Agencies:

In conformity with its Corporate Mission to 'promote sustainable and equitable agriculture and rural prosperity NABARD and the Lead Bank-Dena bank had introduced the concept of Potential Linked Credit Plans. The Potential Linked Credit Plans (PLP) for the year 2014-15 is prepared taking into consideration the views and suggestions of the Senior Government Officers of the Line Departments, banks, NGOs, and Progressive Farmers of the district. The PLP 2014-2015 presents the projections of potentials for ground level investments through bank credit after estimating the potential available for exploitation in respect of rural economic activities for overall development of the district taking into account the human and natural resources endowment factors, infrastructure and support services available and likely to be created.

Small & Micro Enterprises (MSEs):

This sector comprises of all the Non-farm activities such as Cottage & Village Industries, Handloom, Small & Micro enterprises, Rural Artisans and Agro & Food Processing industries etc. Next to Agriculture sector, the MSME sector has large scope for development. The Potential for the year 2014-15 under this sector other than Agri & Food industries has been assessed at Rs. 56643.75 lacs and Food & Agro industries at Rs. 9750 lacs. Thus, the total investment for the MSME sector is placed at Rs. 66393.75 Lacs.

POTENTIAL CREDIT PLAN (PLP):

To build a more meaningful link between development planning and the processes of credit planning for supporting agriculture and rural development, NABARD, in 1988-89 have taken initiative of preparing the District-wise PLPs. The basic objective is to map the potential available, assess the gaps in infrastructure, which needs to be bridged and marketing support available to channelise credit into sector with growth potential, within a specified period. The approach adopted in assessing the potential involves detailed analysis of data/information base, stage of development and infrastructure available and planned, consultation with the departments and financial institutions etc. The PLPs make a realistic assessment of potential that could be tapped with institutional credit, factoring all the aspects. It aims at providing a meaningful direction for credit deployment, reflecting the ground realities. To enhance the quality, utility, contents and coverage of PLPs, the process involved is reviewed and updated every year.

Educational and Technical skills Infrastructure:

A Well established Educational and Technical Training Institutes like Government aided Gujarat University, Private University approved by the University Grants Commission, GTU approved Self Finance Colleges, it is, Government Polytechnics, SFI Polytechnics and other Training-cum-Production Centers with vocational and Professional courses having modern infrastructure facilities, which helps to develop intellectual, technically sound skilled work force to the existing industries. District Industries Centers, CED, MSME-DI, NABARD and other financial institutes also helps the district to prepare skillful persons by providing certain Skill Development Training Programmes.

India's leading Educational Institutes are situated in Ahmedabad as given below:

- Indian Institute of Management (IIM)
- National Institute of Design (NID)
- Nirma education & Research Foundation (NERF)
- National Institute of Fashion Technology (NIFT)
- Indian Institute of Packaging
- Mundra Institute of Communications, Ahmedabad (MICA)
- Center for Environment Planning & Technology (CEPT)
- Gujarat National Law University (GNLU)
- Applications Center of the Indian Space Research Organisation (ISRO)
- Apparel Export Promotion Council (AEPC) Training Centers
-

The no. of education and technical skills Training Institutions as given below:

Sr. No.	Type of Institutions	Number	
		Govt.	SFI
1	Primary Schools	2373	NA
2	Secondary Higher Secondary Schools	1293	NA
3	PTC Colleges, B.Ed. M.Ed. Colleges	11	41
4	Engineering College	02	25
5	Commerce College	40	11
6	Arts College	33	01
7	Science College	08	05
8	Engineering College	06	04
9	Law college	06	00
10	Management College	01	10
11	MCA College	03	10+
			0
12	BBA	07	06
13	Fire Safety	00	01
14	Medical Colleges	08	16

No. of educated and unemployed youth registered with the Employment Exchange of the district at Ahmedabad are as under:

Sr. No.	Standard passed	Male	Female	Total
1	SSC	30,082	16,914	46,996
2	HSC	23,769	14,782	38,551
3	B.Sci.	595	718	1,313
4	B.Com	3,369	2,012	5,381
5	B.A.	2,769	3,213	5,982
6	B.E.	-	-	-
7	Diploma Holders	7,029	67	7,096
8	Artisans(Tech), ITI etc.	748	546	1,294
9	Others	573	148	757
	TOTAL	68,934	38,436	1,07,370

Source: Employment Exchange, Ahmedabad.

A. Working of Employment Exchange from the year 2006-07 up to 2009-10

Sr. No.	Year	No. of regn. In Empl. Exchange during the year	No. of Live on Register at the end of the year	No. of vacancies notified during the year
1	2006-07	26,308	13,148	79,460
2	2007-08	33,492	18,787	69,067
3	2008-09	46,805	25,608	85,413
4	2009-10	51,484	26,030	93,751
5	2010-11	54,191	24,509	1,07,756
6	2011-12	51,422	33,273	1,01,349
7	2012-13	49,088	30,096	95,237
8	2013-14	49,000	26,372	93,438
	TOTAL	3,61,790	1,97,823	7,25,471

GROWTH CENTERS:

Growth Centers help 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, the Gujarat State Export Corporation (GSEC) is also authorized Export House declared by the Government of India.

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

Development Corporation (GIDC) is established by the Government of Gujarat 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 in Gujarat State. It helps the entrepreneurs in procuring industry base sheds, formation of industrial plots, provide basic infrastructural necessary facilities to the various industries viz. roads, electricity, drainage, telephone lines, canteen, shopping centers, fire safety services etc.

(3) District Industries Center (DIC):

In the year 2003-04, 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 DICs is monitored 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 Centers.

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 Centers (DICs) with establishing the 'Citizen Charter Centre" in all DICs.

Particulars of Industrial Associations and Chamber of Commerce are as given below:

Sr. No.	Association/Chamber of Commerce	Telephone No.	Fax No.	E: mail
1	Gujarat Chamber of Commerce Nr. Natraj Cinema, Ashram Road, Ahmedabad. 380 009	079- 26582301 /2/3/4	26587992	bis@gujaratchmber .org
2	Gujarat State Plastic Mfg. Association 2 nd Floor, Span Trade Centre, Nr. Paldi Cross Road, Ellis bridge, Ahmedabad. 380 006	079- 26579204 26578227	26579204	infor@gspma.org
3	Gujarat State Small Industries Federation 407, Nirman House, Nr. Times of India, Ashram Road, P. B. No.: 4215, Ahmedabad: 380 001	079- 26584409	25583764	gssifedofindia@ rediffmail.com
4	Gujarat Dyestuff Mfg. Association Metro Chem. Chambers, "Karma", 8 th Floor, O/p Mahalaxmi Municipal Market, Paldi, Ahmedabad. 380 007	079- 26652061		info@gdma.org
5	Agrochemicals Manufacturers Association of India (AMAI) 20, Embassy Market, 1 st Floor, Nr. Dinesh Hall, Ashram Road, Ahmedabad. 380 009	079- 22822332	26580558	amaiagrochem@ yahoo.in
6	Gujarat Roller Flour Millers Association 210, Century Market, Kalupur, Ahmedabad. 380 002	079- 22166662 22158305	22134794	grfma@wilnetonline .Net
7	Gujarat Detergent Mfg. Association Madhuvan, 4 th Floor, Ellis bridge, Ahmedabad	079- 26447730 /31/48	26427516	
8	Indian Small Scale Paints Association (Gujarat Region) 16, Embassy Market, Nr. Dinesh Hall, Ashram Road, Ahmedabad.	079- 26582478 26583304	26582204	Maruteepaints@ yahoo.com.in
9	Vatva Industries Association G-1, GIDC, Phase-I. Vatva, Ahmedabad. 382 445	079- 25833496 25834561	26890961	info@vatvaassociati on.org
10	Odhav Industrial Association L-123, GIDC Estate, Odhav, Ahmedabad. 382 415	079- 22871202	22874273	oi@odhavgidc.org
11	Naroda Industrial Association Sheth Shantilal Kapasi Hall, 184- A/1, GIDC Estate, Naroda, Ahmedabaf. 382 330	079- 22822361	22822361	Niaindiaad1@sanch arnet.com

Sr. No.	Association/Chamber of Commerce	Telephone No.	Fax No.	E: mail
12	Ahmedabad Textile Mills Association ATMA House, Ashram Road, Navrangpura, P. B. No.: 4056, Ahmedabad. 380 009	079-26582273 /74	26588574	secgen@atmaahd.com
13	Ahmedabad Engg. Mfg. Association 201-202, Sayona Centre, Memco Cross Road, Ahmedabad.	079-22200364	22200363	acm@aemassociation.com
14	Laghu Udhog Bharti-Gujarat 307, Ashram Avenue, B/h Kochrab Ashram, Ellis bridge, Ahmedabad: 380 006	079-26582605 22870162	25582529 26582605	laghuudhog@icenet.net
15	Federation of Industries Association 607/608, Hari Krishna Complex, O/p Kothawala Flat, Pritam Nagar, Ashram Road, Ahmedabad. 380 006	079-26576678	26576678	fiagujarat@yahoo.com
16	Confederation of Indian Industries 203-204, Sears Tower, Gulbai Tekra, Ahmedabad.	079-26488872 26469346	26462878	
17	Indian Drugs Mfrs. Association 4, Park Avenue, 1 st Floor, Nr. Parimal Garden Cross Road, Ambawadi, Ahmedabad. 380 006	079-26406680	26406680	Idmagsabad@sancharnet.in
18	Gujarat Pharmaceutical Association C/o BCM Corporation, Kalpana Society, Navarangpura, Ahmedabad. 380 009	079-26427153	26425511	Info@bcmcorporation.com
19	FICCI, Gujarat State Council 701, Kaivana Complex, O/p Saffron Building, Panchvati Cross Road, Ambawadi, Ahmedabad. 380 006	079-26400505	26400521	Gujarat@ficci.com
20	Ahmedabad Foundry Cluster 116-117, Anar Co-op Indl Estate, O/p Forge & Blower, Naroda Road, Ahmedabad. 380 015	079-22203898 22202191	2205075	
21	Changodar Chamber of Commerce & Industries Farmers House, Sarkhej-Bavla Road, N. H. No.: 8A, Changodar, Taluka: Sanand, Ahmedabad.	02717-250121 250122	220123	kcjani@gmail.com
22	Kathwada Industries Association Plot No.: 411, Road 4-A, GIDC Estate, Kathwada, Dist.: Ahmedabaf. 382 330	079-22900497		

Sr. No.	Association/Chamber of Commerce	Telephone No.	Fax No.	E: mail
23	Viramgam Industries Association 19, GIDC Estate, Hansalpur, Viramgam. Dist: Ahmedabad	-	-	-
24	The Gujarat Garments Manufacturers Association 912/913 Laxmi Vishnu Market, Ghee Kanta Road, Ahmedabad.	-	-	Info@ggma.in
25	Agrochemicals Mfrs. Association of India 20, Embassy Market, 1 st Floor, Nr. Dinesh Hall, Ashram Road, Ahmedabad.	079- 26574613 22822332	26580558	amaiagrochem@ yahoo.in
26	The Textile Association (India) Dinesh Hall, Ashram Road, Ahmedabad. 380 0014	079- 26582123 26584747	26586311	Taiahd1@dataone.in
27	Gujarat Vepari Mahamandal Sahkari Audhyogik Vashahat Ltd. Odhav Road, Ahmedabad.	079- 22901331 22902810		

CHAPTER: 6

PRESENT INDUSTRIAL STRUCTURE:

(1) General Industrial Climate:

Normally MSMEs in the district is lagging behind in the point of view of dimensional and motivational strategy. Lack of ample resurrection measures supported in the various policies and procedures of the state government, non availability of adequate financial support, lack of market intelligent, lack of globalisation approach, inadequate technological transformation support by the state government etc. All these factors have slowed down industrial growth in the district.

Therefore, ample care and support are necessary to bring about a change in the perception and practices and make then SMSEs successive and improvising the competitiveness for the longer survival through technological transformation ensuring quality and productivity improvisation.

TALUKA WISE NO. OF MSM ENTERPRISE ACKNOWLEDGE REGISTERED

(FROM 02/10/2006 TO 31/03/2007)

Category of Enterprise- Micro

Nature of Activity- Manufacturing

District	Taluka	No. of Units	Investment in P & M Rs. In Lacs	No. of Employee
Ahmedabad	City	514	9411.99	4880
	Bavla	6	176.00	91
	Dascroi	14	190.49	182
	Dholka	1	11.00	3
	Sanand	23	463.00	331
	TOTAL		558	10252.48

TALUKA WISE NO. OF MSM ENTERPRISE ACKNOWLEDGE REGISTERED

(FROM 02/10/2006 TO 31/03/2007)

Category of Enterprise-Small

Nature of Activity- Manufacturing

District	Taluka	No. of Units	Investment in P & M Rs. In Lacs	No. of Employee
Ahmedabad	City	252	21504.70	6029
	Bavla	3	670.00	65
	Dascroi	4	576.00	53
	Dholka	2	229.00	105
	Ranpur	1	94.00	7
	Sanand	26	5988.00	900
	Viramgam	1	42.00	8
	TOTAL		289	29103.70

TALUKA WISE NO. OF MSM ENTERPRISE ACKNOWLEDGE REGISTERED

(FROM 02/10/2006 TO 31/03/2007)

Category of Enterprise- Medium

Nature of Activity- Manufacturing

District	Taluka	No. of Units	Investment in P & M Rs. in Lacs	No. of Employee
Ahmedabad	City	1	340.00	102
	Sanand	1	859.20	144
	TOTAL	2	1199.20	246

TALUKA WISE NO. OF MSM ENTERPRISE ACKNOWLEDGE REGISTERED

(FROM 02/10/2006 TO 31/03/2007)

Category of Enterprise-Micro

Nature of Activity- Service

District	Taluka	No. of Units	Investment in P & M Rs. in Lacs	No. of Employee
Ahmedabad	City	8	112.00	142
	TOTAL	8	112.00	142

TALUKA WISE NO. OF MSM ENTERPRISE ACKNOWLEDGE REGISTERED

(FROM 02/10/2006 TO 31/03/2007)

Category of Enterprise- Small

Nature of Activity- Service

District	Taluka	No. of Units	Investment in P & M Rs. in Lacs	No. of Employee
Ahmedabad	City	7	217.00	128
	TOTAL	7	217.00	128

TALUKA WISE NO. OF MSM ENTERPRISE ACKNOWLEDGE REGISTERED

(FROM 02/10/2006 TO 31/03/2007)

Category of Enterprise- Medium

Nature of Activity- Service

District	Taluka	No. of Units	Investment in P & M Rs. in Lacs	No. of Employee
Ahmedabad	City	1	21.00	12
	TOTAL	1	21.00	12

TALUKA WISE NO. OF MSM ENTERPRISE ACKNOWLEDGE REGISTERED

(FROM 01/04/2007 TO 31/03/2008)

Category of Enterprise- Micro

Nature of Activity- Manufacturing

District	Taluka	No. of Units	Investment in P & M Rs. in Lacs	No. of Employee
Ahmedabad	City	1596	29729.19	16309
	Bavla	8	240.00	73
	Dascroi	56	1257.60	732
	Detroj- Rampura	2	23.00	48
	Dhandhuka	1	15.14	11
	Dholka	7	163.00	125
	Mandal	2	89.00	29
	Sanand	70	2276.65	1130
	Viramgam	5	80.00	36
	TOTAL	1747	33873.58	77434

TALUKA WISE NO. OF MSM ENTERPRISE ACKNOWLEDGE REGISTERED

(FROM 01/04/2007 TO 31/03/2008)

Category of Enterprise- Small

Nature of Activity- Manufacturing

District	Taluka	No. of Units	Investment in P & M Rs. in Lacs	No. of Employee
Ahmedabad	City	350	43163.13	10863
	Bavla	10	1155.98	109
	Dascroi	27	3282.50	928
	Detroj-Rampura	1	55.81	36
	Dholka	4	1764.00	302
	Mandal	1	164.00	28
	Sanand	76	14557.51	2301
	TOTAL	469	64143.10	14567

TALUKA WISE NO. OF MSM ENTERPRISE ACKNOWLEDGE REGISTERED

(FROM 01/04/2007 TO 31/03/2008)

Category of Enterprise- Medium

Nature of Activity- Manufacturing

District	Taluka	No. of Units	Investment in P & M Rs. in Lacs	No. of Employee
Ahmedabad	City	13	11182.70	1162
	Bavla	1	879.00	36
	Dascroi	2	1601.00	149
	Sanand	7	6191.00	914
	TOTAL	23	19853.70	2261

TALUKA WISE NO. OF MSM ENTERPRISE ACKNOWLEDGE REGISTERED

(FROM 01/04/2007 TO 31/03/2008)

Category of Enterprise- Micro

Nature of Activity- Service

District	Taluka	No. of Units	Investment in P & M Rs. in Lacs	No. of Employee
Ahmedabad	City	83	1529.35	661
	Dascroi	3	9.35	28
	TOTAL	86	1538.70	689

TALUKA WISE NO. OF MSM ENTERPRISE ACKNOWLEDGE REGISTERED

(FROM 01/04/2007 TO 31/03/2008)

Category of Enterprise- Small

Nature of Activity- Service

District	Taluka	No. of Units	Investment in P & M Rs. in Lacs	No. of Employee
Ahmedabad	City	14	888.59	299
	Sanand	1	113.00	21
	TOTAL	15	1001.59	320

TALUKA WISE NO. OF MSM ENTERPRISE ACKNOWLEDGE REGISTERED

(FROM 01/04/2007 TO 31/03/2008)

Category of Enterprise- Medium

Nature of Activity- Service

District	Taluka	No. of Units	Investment in P & M Rs. in Lacs	No. of Employee
Ahmedabad	City	1	400.00	15
	TOTAL	1	400.00	15

TALUKA WISE NO. OF MSM ENTERPRISE ACKNOWLEDGE REGISTERED

(FROM 01/04/2008 TO 31/03/2009)

Category of Enterprise- Micro

Nature of Activity- Manufacturing

District	Taluka	No. of Units	Investment in P & M Rs. in Lacs	No. of Employee
Ahmedabad	City	2874	53699.39	24866
	Bavla	46	571.45	1659
	Dascroi	42	840.45	1020
	Detroj- Rampura	4	57.00	133
	Dhandhuka	1	28.00	14
	Dholka	19	340.50	418
	Ranpur	1	4.00	3
	Sanand	110	3207.86	1719
	Viramgam	4	70.00	58
	TOTAL	3101	58818.65	29890

TALUKA WISE NO. OF MSM ENTERPRISE ACKNOWLEDGE REGISTERED

(FROM 01/04/2008 TO 31/03/2009)

Category of Enterprise- Small

Nature of Activity- Manufacturing

District	Taluka	No. of Units	Investment in P & M Rs. in Lacs	No. of Employee
Ahmedabad	City	396	50555.43	10748
	Barwala	1	58.00	12
	Bavla	28	4598.43	720
	Dascroi	9	1263.00	210
	Dhandhuka	2	113.00	28
	Dholka	4	823.00	138
	Sanand	59	9988.88	1601
	TOTAL	498	67399.74	13955

TALUKA WISE NO. OF MSM ENTERPRISE ACKNOWLEDGE REGISTERED

(FROM 01/04/2008 TO 31/03/2009)

Category of Enterprise- Medium

Nature of Activity- Manufacturing

District	Taluka	No. of Units	Investment in P & M Rs. in Lacs	No. of Employee
Ahmedabad	City	9	8145.66	1853
	Dascroi	1	992.00	330
	Ranpur	1	868.00	320
	Sanand	2	2438.10	186
	TOTAL	13	12443.76	2689

TALUKA WISE NO. OF MSM ENTERPRISE ACKNOWLEDGE REGISTERED

(FROM 01/04/2008 TO 31/03/2009)

Category of Enterprise- Micro

Nature of Activity- Service

District	Taluka	No. of Units	Investment in P & M Rs. in Lacs	No. of Employee
Ahmedabad	City	207	2497.71	4057
	Dascroi	2	31.10	8
	Dhandhuka	1	2.00	354
	Sanand	3	102.00	26
	TOTAL	213	2632.81	4445

TALUKA WISE NO. OF MSM ENTERPRISE ACKNOWLEDGE REGISTERED

(FROM 01/04/2008 TO 31/03/2009)

Category of Enterprise- Small

Nature of Activity- Service

District	Taluka	No. of Units	Investment in P & M Rs. in Lacs	No. of Employee
Ahmedabad	City	48	3945.02	2341
	Dascroi	1	103.00	10
	Sanand	1	14.00	9
	TOTAL	50	4062.02	2360

TALUKA WISE NO. OF MSM ENTERPRISE ACKNOWLEDGE REGISTERED

(FROM 01/04/2008 TO 31/03/2009)

Category of Enterprise- Medium

Nature of Activity- Service

District	Taluka	No. of Units	Investment in P & M Rs. in Lacs	No. of Employee
Ahmedabad	City	2	613.00	139
	Dascroi	1	1151.00	14
	TOTAL	3	1764.00	153

TALUKA WISE NO. OF MSM ENTERPRISE ACKNOWLEDGE REGISTERED

(FROM 01/04/2009 TO 31/03/2010)

Category of Enterprise- Micro

Nature of Activity- Manufacturing

District	Taluka	No. of Units	Investment in P & M Rs. in Lacs	No. of Employee
Ahmedabad	City	4997	78690.08	34097
	Bavla	13	234.75	205
	Dascroi	16	283.41	171
	Detroj- Rampura	2	25.50	91
	Dhandhuka	1	24.00	8
	Dholka	12	244.50	128
	Ranpur	6	75.50	55
	Sanand	60	1833.72	745
	Viramgam	2	22.35	10
	TOTAL		81433.81	35477

TALUKA WISE NO. OF MSM ENTERPRISE ACKNOWLEDGE REGISTERED

(FROM 01/04/2009 TO 31/03/2010)

Category of Enterprise- Small

Nature of Activity- Manufacturing

District	Taluka	No. of Units	Investment in P & M Rs. in Lacs	No. of Employee
Ahmedabad	City	515	72534.78	11057
	Bavla	7	2190.48	164
	Dhandhuka	1	114.00	10
	Dholka	3	437.10	30
	Sanand	42	7976.55	1157
	Viramgam	2	731.98	58
	TOTAL	570	83984.89	12476

TALUKA WISE NO. OF MSM ENTERPRISE ACKNOWLEDGE REGISTERED

(FROM 01/04/2009 TO 31/03/2010)

Category of Enterprise- Medium

Nature of Activity- Manufacturing

District	Taluka	No. of Units	Investment in P & M Rs. in Lacs	No. of Employee
Ahmedabad	City	21	20327.74	1299
	Dhandhuka	1	872.30	16
	Dholka	1	1080.00	13
	Sanand	2	1757.37	160
	TOTAL	25	24037.41	1488

TALUKA WISE NO. OF MSM ENTERPRISE ACKNOWLEDGE REGISTERED

(FROM 01/04/2009 TO 31/03/2010)

Category of Enterprise- Micro

Nature of Activity- Service

District	Taluka	No. of Units	Investment in P & M Rs. in Lacs	No. of Employee
Ahmedabad	City	714	9992.76	5229
	Dascroi	4	37.00	58
	Sanand	1	0.25	7
	TOTAL	719	10010.01	5294

TALUKA WISE NO. OF MSM ENTERPRISE ACKNOWLEDGE REGISTERED

(FROM 01/04/2009 TO 31/03/2010)

Category of Enterprise- Small

Nature of Activity- Service

District	Taluka	No. of Units	Investment in P & M Rs. in Lacs	No. of Employee
Ahmedabad	City	94	8510.08	5955
	Dhandhuka	2	198.00	41
	Sanand	3	316.00	270
	TOTAL	99	9024.08	6266

TALUKA WISE NO. OF MSM ENTERPRISE ACKNOWLEDGE REGISTERED

(FROM 01/04/2009 TO 31/03/2010)

Category of Enterprise- Medium

Nature of Activity- Service

District	Taluka	No. of Units	Investment in P & M Rs. in Lacs	No. of Employee
Ahmedabad	City	7	3068.61	740
	Sanand	2	676.00	123
	TOTAL	9	3744.61	863

TALUKA WISE NO. OF MSM ENTERPRISE ACKNOWLEDGE REGISTERED

(FROM 01/04/2010 TO 31/03/2011)

Category of Enterprise- Micro

Nature of Activity- Manufacturing

District	Taluka	No. of Units	Investment in P & M Rs. in Lacs	No. of Employee
Ahmedabad	City	6083	99522.06	37935
	Dascroi	3	58.94	39
	Dholka	3	18.75	83
	Sanand	7	241.99	70
	TOTAL	6096	99841.74	38127

TALUKA WISE NO. OF MSM ENTERPRISE ACKNOWLEDGE REGISTERED

(FROM 01/04/2010 TO 31/03/2011)

Category of Enterprise- Small

Nature of Activity- Manufacturing

District	Taluka	No. of Units	Investment in P & M Rs. in Lacs	No. of Employee
Ahmedabad	City	621	85212.08	10562
	Bavla	2	358.23	35
	Dascroi	3	237.00	20
	Dholka	1	750.00	46
	Mandal	2	132.00	40
	Sanand	6	1375.74	192
	TOTAL	635	88065.05	10845

TALUKA WISE NO. OF MSM ENTERPRISE ACKNOWLEDGE REGISTERED

(FROM 01/04/2010 TO 31/03/2011)

Category of Enterprise- Medium

Nature of Activity- Manufacturing

District	Taluka	No. of Units	Investment in P & M Rs. in Lacs	No. of Employee
Ahmedabad	City	30	26553.40	2514
	TOTAL	30	26553.40	2514

TALUKA WISE NO. OF MSM ENTERPRISE ACKNOWLEDGE REGISTERED

(FROM 01/04/2010 TO 31/03/2011)

Category of Enterprise- Micro

Nature of Activity- Service

District	Taluka	No. of Units	Investment in P & M Rs. in Lacs	No. of Employee
Ahmedabad	City	2273	27395.88	13565
	Detroj- Rampura	1	0.05	3
	Sanand	2	16.00	20
	TOTAL	2276	27411.93	13588

TALUKA WISE NO. OF MSM ENTERPRISE ACKNOWLEDGE REGISTERED

(FROM 01/04/2010 TO 31/03/2011)

Category of Enterprise- Small

Nature of Activity- Service

District	Taluka	No. of Units	Investment in P & M Rs. in Lacs	No. of Employee
Ahmedabad	City	80	6548.96	4680
	Dascroi	1	99.00	14
	Dholka	1	56.50	16
	Ranpur	1	35.00	7
	TOTAL	83	6739.49	4717

TALUKA WISE NO. OF MSM ENTERPRISE ACKNOWLEDGE REGISTERED

(FROM 01/04/2010 TO 31/03/2011)

Category of Enterprise- Medium

Nature of Activity- Service

District	Taluka	No. of Units	Investment in P & M Rs. in Lacs	No. of Employee
Ahmedabad	City	3	738.61	1167
	TOTAL	3	738.61	1167

TALUKA WISE NO. OF MSM ENTERPRISE ACKNOWLEDGE REGISTERED

(FROM 01/04/2011 TO 31/03/2012)

Category of Enterprise- Micro

Nature of Activity- Manufacturing

District	Taluka	No. of Units	Investment in P & M Rs. in Lacs	No. of Employee
Ahmedabad	City	10612	152346.17	59167
	Bavla	1	61.00	7
	Dascroi	16	553.76	143
	Dholka	4	175.75	26
	Sanand	16	324.50	145
	Viramgam	2	46.00	13
	TOTAL	10651	153507.18	59501

TALUKA WISE NO. OF MSM ENTERPRISE ACKNOWLEDGE REGISTERED

(FROM 01/04/2011 TO 31/03/2012)

Category of Enterprise- Small

Nature of Activity- Manufacturing

District	Taluka	No. of Units	Investment in P & M Rs. in Lacs	No. of Employee
Ahmedabad	City	743	94350.33	12192
	Bavla	2	706.71	99
	Dascroi	2	88.00	26
	Dholka	3	627.35	116
	Sanand	14	5021.39	361
	TOTAL	21	100793.78	12794

TALUKA WISE NO. OF MSM ENTERPRISE ACKNOWLEDGE REGISTERED

(FROM 01/04/2011 TO 31/03/2012)

Category of Enterprise- Medium

Nature of Activity- Manufacturing

District	Taluka	No. of Units	Investment in P & M Rs. in Lacs	No. of Employee
Ahmedabad	City	25	20932.01	1908
	Sanand	4	3366.00	755
	TOTAL	29	24298.01	2663

TALUKA WISE NO. OF MSM ENTERPRISE ACKNOWLEDGE REGISTERED

(FROM 01/04/2011 TO 31/03/2012)

Category of Enterprise- Micro

Nature of Activity- Service

District	Taluka	No. of Units	Investment in P & M Rs. in Lacs	No. of Employee
Ahmedabad	City	1675	20105.46	9970
	Dascroi	1	2.00	6
	Sanand	5	178.00	49
	TOTAL	1681	20283.46	10025

TALUKA WISE NO. OF MSM ENTERPRISE ACKNOWLEDGE REGISTERED

(FROM 01/04/2011 TO 31/03/2012)

Category of Enterprise- Small

Nature of Activity- Service

District	Taluka	No. of Units	Investment in P & M Rs. in Lacs	No. of Employee
Ahmedabad	City	68	5913.09	3038
	TOTAL	68	5913.09	3038

TALUKA WISE NO. OF MSM ENTERPRISE ACKNOWLEDGE REGISTERED

(FROM 01/04/2011 TO 31/03/2012)

Category of Enterprise- Medium

Nature of Activity- Service

District	Taluka	No. of Units	Investment in P & M Rs. in Lacs	No. of Employee
Ahmedabad	City	2	1762.00	165
	TOTAL	2	1762.00	165

TALUKA WISE NO. OF MSM ENTERPRISE ACKNOWLEDGE REGISTERED

(FROM 01/04/2012 TO 31/03/2013)

Category of Enterprise- Micro

Nature of Activity- Manufacturing

District	Taluka	No. of Units	Investment in P & M Rs. in Lacs	No. of Employee
Ahmedabad	City	14708	199840.74	73657
	Bavla	11	205.42	252
	Dascroi	23	412.27	255
	Dhandhuka	1	60.00	7
	Dholka	20	723.00	199
	Mandal	1	0.80	5
	Sanand	27	11262.78	691
	Viramgam	2	112.00	18
	TOTAL	14793	212617.01	75084

TALUKA WISE NO. OF MSM ENTERPRISE ACKNOWLEDGE REGISTERED

(FROM 01/04/2012 TO 31/03/2013)

Category of Enterprise- Small

Nature of Activity- Manufacturing

District	Taluka	No. of Units	Investment in P & M Rs. in Lacs	No. of Employee
Ahmedabad	City	695	92418.12	10743
	Bavla	12	2933.42	233
	Dascroi	16	2857.64	251
	Dhandhuka	1	470.00	15
	Dholka	4	957.00	95
	Sanand	27	11262.78	691
	TOTAL	755	110898.96	12028

TALUKA WISE NO. OF MSM ENTERPRISE ACKNOWLEDGE REGISTERED

(FROM 01/04/2012 TO 31/03/2013)

Category of Enterprise- Medium

Nature of Activity- Manufacturing

District	Taluka	No. of Units	Investment in P & M Rs. in Lacs	No. of Employee
Ahmedabad	City	17	17794.87	1664
	Sanand	2	2250.40	57
	TOTAL	19	20045.27	1721

TALUKA WISE NO. OF MSM ENTERPRISE ACKNOWLEDGE REGISTERED

(FROM 01/04/2012 TO 31/03/2013)

Category of Enterprise- Micro

Nature of Activity- Service

District	Taluka	No. of Units	Investment in P & M Rs. in Lacs	No. of Employee
Ahmedabad	City	2310	36926.93	11336
	Bavla	1	0.14	3
	Dascroi	3	35.50	14
	Sanand	2	10.00	11
	TOTAL	2316	36972.57	11364

TALUKA WISE NO. OF MSM ENTERPRISE ACKNOWLEDGE REGISTERED

(FROM 01/04/2012 TO 31/03/2013)

Category of Enterprise- Small

Nature of Activity- Service

District	Taluka	No. of Units	Investment in P & M Rs. in Lacs	No. of Employee
Ahmedabad	City	62	5410.04	3281
	Bavla	1	10.51	3
	Dascroi	1	85.00	46
	Dholka	1	199.00	42
	Sanand	1	1115.00	10
	TOTAL	66	6819.55	3382

TALUKA WISE NO. OF MSM ENTERPRISE ACKNOWLEDGE REGISTERED

(FROM 01/04/2012 TO 31/03/2013)

Category of Enterprise- Medium

Nature of Activity- Service

District	Taluka	No. of Units	Investment in P & M Rs. in Lacs	No. of Employee
Ahmedabad	City	3	1834.03	439
	TOTAL	3	1834.03	439

(2) Large/Medium Scale Industries:

Industrial units having investment exceeding Rs. 10 crore in plant and machinery are classified as large industrial units. An Entrepreneur or a company desirous to set up a large project needs an approval in the form of industrial license from Government of India (GOI) under the provisions of Industries (Development and Regulations) Act, 1951. In July 1991, Government of India liberalized the licensing procedure and exempted almost all the industries from the purview of industrial licensing, except a few industries which are of strategic importance. As per the present licensing procedure, only two industries are reserved for public sector and four industries, which are of strategic importance, need an industrial license. The rest of industries are required to file Industrial Entrepreneur's Memorandum (IEM) with Secretariat for Industrial Approval, Ministry of Commerce & Industry, Government of India, on observing certain requirements with respect to location and environment. In the case of setting up of an Export Oriented Unit (EOU) or setting up a project in Special Economic Zone (SEZ), a Letter of Permission (LoP) is required to be obtained from the Development Commissioner of the concerned SEZ. Thus, the procedure for setting up a large industrial unit would be either filing of IEM, obtaining Letter of Intent (LOI)/ Industrial License or obtaining Letter of Permission (LoP) in the case of 100% EOU or SEZ unit.

There are nearly 422 Medium & Large Scale Industries based in Ahmedabad district with total investment of Rs. 5,45,988 Crore providing employment to around 79,904 persons.

Particulars of Medium & Large Scale industries are as under:

Sl. No.	Name of Unit	Taluka	Production
1	Cadila Healthcare Ltd.	Sanand	Drugs & Pharamceuticals
2	Nova Petrochemicals Ltd.	Sanand	Textiles
3	Reliance Industries Ltd.	Ahmedabad	Textiles
4	Nirma Ltd.	Sanand	Fertilizers
5	Suzlon Fibres Ltd.	Sanand	Textiles
6	Vadilal Industries Ltd.	Ahmedabad	Ice cream
7	Hindustan Gum & Chemicals Ltd.	Viramgam	Glue & Gelatin
8	Harsha Engineers Pvt. Ltd.	Sanand	Metallurgical industries
9	The Arvind Mills Ltd.	Ahmedbad	Textiles
10	Mcfills Enterprises Pvt. Ltd.	Sanand	Ready to eat snack food
11	Chiripal Industries Ltd.	Ahmedabad	Textiles
12	Meghmani Industries td.	Sanand	Chemicals
13	Core Healthcare Ltd.	Viramgam	Medical & Surgical appliances
14	Dishman Pharmaceuticals & Chemicals Ltd.	Sanand	Chemicals
15	Mardia Steel Industries	Dascroi	Ingots & High Carbon Steel
16	Intas Pharmaceuticals Ltd.	Sanand	Drugs & Pharmaceuticals
17	Concord Biotech Ltd.	Dholka	Drugs
18	Ashima Denims	Ahmedabad	Textiles
19	AIA Engineers Pvt. Ltd	Ahmedabad	Metallurgical industries
20	Cadila Pharmaceuticals	Ahmedabad	Pharmaceuticals
21	Johnson Pumps (I) Ltd.	Ahmedabad.	Industrial machinery

Problems of the SMEs sector:

- (1) The utmost Problem is very low awareness in MSMEs about government schemes and subsidies because of lack in corporate governance or due to communication system of the government itself. There are lots of incentive schemes and packages especially designed for MSMEs but most of the entrepreneurs remain unaware of it.
- (2) Global recession of 2008 had slowed down the overall growth of the MSMEs. Due to failure of banking and insurance company globally, the global credit squeeze had reasonably affected the export textile and jewellery goods, which created temporary shutdown of production in the sector.
- (3) Lack of skilled human resources has also affected the sector at noticeable level. Technology intervention is still very low in the sector. Artisans and weavers still have been remained unaware of latest designs and current market trends. They continued to manufacture products with old designs which fail to generate consistent demand in the consumer markets. There is still huge gap among the household unit owners/weavers/artisans and the designers/engineers. There is immense need to encourage engineers and fashion designers to work out with these small units' owners, weavers, designers which would be mutually beneficial and help revive the sector and make it globally more competitive. Information dissemination about availability of recent technologies, literature on modern machinery, contact details of suppliers of raw materials, buyers etc. are very essential factors for the MSMEs.
- (4) Another major problem related to payment durations normally faced by the MSME entrepreneurs. Mostly they are causing delay in payments and bad debts, which causes trouble in the working capital ratio. Low credit period provided by the suppliers and on other side late payment made by the customers also creates imbalance in the working capital.
- (5) One of the major concerns is low credit availability to the MSMEs. Though, credit to MSMEs fall under the category of priority sector lending, but with the expansion of the priority sector lending to accommodate fast growing areas such as home loans, education loans; the percentage share of credit to MSMEs have been fallen down. There is strong need to increase the target of commercial bank lending to MSMEs from 20 % year on year growth to 30% which will enhance the credit facilities to MSMEs.

CHAPTER: 7

PROSPECTS OF INDUSTRIAL DEVELOPMENT:

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

A. Resource Based Industries.

B. Demand Based Industries.

A. Resource Based Industries.

Ahmedabad district offers good scope for entrepreneurs to establish new industrial units for manufacturing various products. The industries have been suggested on resources available in the area. Agro based and livestock based as well as Mineral based industries have good scope of development. In addition, many market oriented items can also be taken up in the district.

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

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

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

Information Technology, Computer Assembling, Internet-cable net, Software development, Textile Machinery & Spare Parts, Foundry, Engineering, Denim cloth, Bricks, Readymade Garments, Jewellery, Diamond, Water Park, Food products, Cement products, Ice-cream, Plastic, Fabrication, Pharmaceuticals, Cold Storage and Hotel industries have huge potential for development in Ahmedabad town and its surrounding areas of taluka.

Marble cutting & Polishing, Plastic, Cement products, Pharmaceuticals, Brick, Water Parks, Rolling Mills, Telephone cables, Machinery, acrylic Yarn, Food Processing, and Woven Textiles etc have huge potential in Sanand taluka.

Cotton Ginning & Pressing, Wire Drawing, Food products, Pharmaceuticals, Marble Stone cutting & polishing and Textiles have greater potential in Viramgam taluka.

Information Technology, Computer Assembling, Spares, Software Development, Food products, Pan Masala, Rice Mill, Cold Storage, Agricultural Tools & Implements, Bricks and Cement articles etc. have greater potential in Dascroi taluka.

Cotton ginning & pressing, Textiles, Pharmaceuticals, Cloth, Denim, Readymade garments, Food products, Cold Storage, Bricks, Fruit Canning, Edible oil etc have greater potential in Dholka taluka.

Salt, Bearings, Agricultural Tools & Implements, Marble cutting & polishing, Bricks, Cement articles, Metal products, Fabrication etc. have greater potential in Dhandhuka taluka.

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

A. Food Processing & Agro Based Industries:

Sr. No.	Description	NIC- 2004 Code
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

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

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

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

A. 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

A. Glass & Ceramics:

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

B. 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	Biphenyl – A	24119
10	Bon Acid	24116
11	Mono Chloro Acetic Acid	24112
12	Benzol 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

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 Moulding 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.Wiremesh	27182
16	S.S. Fastners	28991

I Livestock:

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

J. Mineral Based Industries:

1	Stone Crushing	14106
2	Bricks	26933
3	Quarry Stone	14102
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

J. Textile Industries:

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

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

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

Major Agriculture Implements based industries are as under:

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

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

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

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

With the growth of population, increase in the standard of living, process of urbanization and above all the demonstration effect have lead to be substantial increase in the household items. These items are aluminium containers, trays, school boxes, lunch boxes, stainless steel plates etc. These units can be set up in the district.

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

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

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

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

6. Bakery: (NIC-2004 – 15419)

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

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

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

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

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

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

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

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

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

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

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

12. Cold Storage: (NIC-2004 – 63022)

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

ANCILLARY DEVELOPMENT:

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

Looking into the requirement of Medium / Large Scale Industries in Ahmedabad district, 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 Abrasive	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 Moulding (Job)	25209
39	Power Plant Alternators	31101
40	Transformer Tanks/Cooling tubes	31102

Service Enterprises:

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

Potential Areas for Service Industry:

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

Sl. No.	Description as NIC 2004	5 Digit Code
1	Custom Tailoring (with Manual machine)	18105
2	Custom Tailoring (with electric motors)	18105
3	Washing & ironing of clothes	93010
4	Beauty Parlor	93020
5	Repair of bicycles and other non-mechanical vehicles	52605
6	Repair of household electrical appliances	52602
7	Plumbing & drainage	45301
8	Repair of TV, VCR, Refrigerator etc.	52603
9	Printing of advertising material	22211
10	Repair & maintenance of electric motors, generators & transformers	31108
11	Repair & maintenance of other electrical equipments n.e.c.	31908
12	Repair & maintenance of transport equipment.	35998
13	Retreading of tyres, replacing of tread & used pneumatic tyres	25114
14	Maintenance & repair of motor cycle, scooters and three wheelers	50404
15	Repair & maintenance of agriculture & forestry machinery	29218
16	Hair dressing & other beauty treatment	93020
17	Renting of tents, electrical appliances, furniture, tableware, crockery & utensils.	71301
18	Glazing, plastering, painting & decorating, floor sending and other similar building finishing works	45402
19	Activities of caterers	55204

CHAPTER 8

CONCLUSION:

District Industrial Potentiality Survey Report of Ahmedabad district consist of Eight Chapters along with Annexure. Very sincere endeavors are made to disseminate significant information on population, available resources and infrastructure facilities of the district.

There has been specific focus given on the present industrial structure of the district in respect of Small, Medium and Large Scale industries.

The Report also indicates the industrial potentialities in the district based on available natural resources and based on demand as well in the SMEs and ancillary industries in the district. I believe DIPS Report is helpful to the present entrepreneurs.