



BREIF INDUSTRIAL PROFILE OF ANAND DISTRICT

Prepared by

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1.

Brief Industrial Profile of Anand District

1. General Characteristics of the District

1.1 Location & Geographical Area:

Anand district is situated between 72.15' -73.18' East (Longitude) to 22.07'-23.29' North (Latitude) on the World Map. Geographical area of the district is 2,951 sq. km.

1.2 Topography:

Anand is located near the Gulf of Cambay in the Southern Gujarat. Proximity with Ahmedabad, Vadodara, Bharuch and Gandhinagar districts has made the district as an important industrial sector in Gujarat. It has eight tehsils along with Anand (District Headquarter), Umreth, Anklav, Borsad and Khambhat tehsils with industries concentration. Focused industry sectors in the district include, Food & Agriculture, Engineering & Auto parts, Chemicals, Port & Ship Building, Minerals and Cement industries. Amul Dairy Co-operatives is the largest dairy co-operative of India.

1.3 Availability of Minerals:

A) DESCRIPTION:

There are no main minerals lying in the district. In minor minerals group such as Black Trap in Rubble, Kapchi and grit grade is available in Sundalpura center and the markets are spread over in Anand, Vasad, Borsad and Petlad.

2.

While, Sand is available in Rajupura, Vasad, Pratappura, Kahanwadi, Khambhat, Umeta, Khanpura and Anklav Center and the markets are in local area itself as the Production Centers and nearby villages. Gravel is available in Rajupura, Vasad, Pratappura, Kahanwadi, Khambhat, Umeta, Khanpura and Anklav and the markets are in local area itself as the Production Centers and nearby villages. Besides, Brick Clay is available in Navakhal, Anklav, Borsad, Petlad, Tarapur, Khambhat and Sojitra Centers and the Markets in local area itself as the Production Centers and nearby villages.

B) PRODUCTION OF MINERALS 2010-11

SL. No.	Name of Mineral	Production (M. T.)
MAJOR MINERALS		
1.	There is no major minerals	Nil
MINOR MINERALS		
1.	Brick Clay	4,64,000
2.	Common Clay	80,154
3.	Black Trap	59,720
4.	Sand	8,95,581
5.	Gravel	55,00

Source: Department of Mines & Geology, Anand.

1.4 Forest:

There is no notified forest area in the district. Though, the Forest Department of Government of Gujarat has initiated activities of forestation on huge level in the district. Anand is leading district in the State with an average of 73 trees per hector land. And, it is targeted to raise the number up to 75 trees in the Swarnim Gujarat Movement Jayanti. Anand has won Indira Gandhi Priyadarshini Tree Mitra Award in 2008 for the aforestation along the 4,500 hector coastal land area of Khambhat range.

3.

On the sea shore of Mahisagar meets at Cambay, a three phase plan namely Seeds plantation, Enrichment Plantation and Po. Bags plantation schemes have initiated under aforestation activities in 4,500 hectors of area for growing Vher trees, which have gained abundant important after other countries which have had faced Tsunami.

1.5 Administrative Set Up:

Anand is the District Headquarter form the administration point of view. Anand is divided into 8 tehsils namely Anand, Umreth, Borsad, Petlad, Sojitra, Khambhat, Tarapur and Anklav. And, 2 Sub Divisions namely Anand and Petlad is also formed for the smooth and effective administration of the district. Besides, there are 352 Village Panchayats and 12 Group Gram Panchayats at rural level as Panchayati Raj system and 7 Nagar Palika at the urban level and 12 Tehsil Panchayats for the administration purpose. At the Divisional Headquarter there are Office of the Divisional Officers\Magistrate and Mamalatdar Office at the Tehsil level have been established for the smooth administration and quick disposal services to the people of the district.

2. District at a Glance:

Sl. No.	Particular	Year	Unit	Statistics
1.	Geographical Features			
(A)	Geographical Data	2010-11		
	i) Latitude	22 .07' to 23 .29' Northern		
	ii) Longitude	72 .15' to 73 .18' Eastern		
	iii) Geographical Area		Hectares	
(B)	Administrative Units			
	i) Sub Divisions		No.	2
	ii) Tehsils		No.	8

	iii) Sub-Tehsils		No.	-
	iv) Patwari Circle		No.	NA

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	v) Panchayat Samitis		No.	NA
	vi) Nagar Nigam		No.	11
	vii) Nagar Palika		No.	11
	viii) Gram Panchayats		No.	350
	xi) Revenue Villages		No.	339
	ix) Assembly Area		No.	7
2.	Population			
(A)	Sex-wise			
	i) Male	2011	No.	10,88,253
	ii) Female	2011	No.	10,02,023
(B)	Rural Population	2011	No.	14,56,483
3.	Agriculture			
A.	Land utilisation			
	i) Total Area	2010-11	Hectare	2,94,751
	ii) Forest cover	2010-11		0
	iii) Non Agriculture	2010-11		46,350
	iv) Cultivable Barren Land	2010-11		10,469
4.	Forest			
	(i) Forest	2010-11	Hectare	0
5.	Livestock & Poultry			
A.	Cattle			
	i) Cows	2007	No.	1,16,459
	ii) Buffaloes	2007	No.	4,07,080
B.	Other Livestock			
	i) Goats	2007	No.	10,503
	ii) Pigs	2007	No.	
	iii) Dogs & Bitches	2007	No.	9,408
	IV) Railways			
	i) Length of rail line	2010-11	Km.	183

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	V) Roads			
	(a) National Highway	2010-11	Km.	87
	(b) State Highway	2010-11	Km.	458
	(c) Main District Highway	2010-11	Km.	609
	(d) Other District & Rural Roads	2010-11	Km.	178
	(e) Rural road/Agriculture Marketing Board Roads	2010-11	Km.	587
	(f) Kachcha Road	2010-11	Km.	630
	(VI) Communication	2010-11	No.	
	(a) Telephone Connection		No.	57,575
	(b) Post Offices (Main-4, Sub P.O. 282)		No.	286
	(c) Telephone Center		No.	77
	(d) Density of Telephone		No./ per 1000 person	31
	(e) Density of Telephone		No. per km	1009
	(f) PCO Rural		No.	736
	(g) PCO STD		No.	459
	(h) Mobile		No.	NA
	(VII) Public Health			
	(a) Allopathic Hospital (Govt.-11, Pvt.-07)	2010-11	No.	18
	(b) Beds in Allopathic Hospitals	2010-11	No.	606(in Govt. Hospitals)
	(c) Ayurvedic Hospitals	2010-11	No.	NA
	(d) Beds in Ayurvedic Hospitals	2010-11	No.	NA
	(e) Unani Hospitals	2010-11	No.	NA
	(f) Community Health Centers	2010-11	No.	10

6.

	(g) Primary Health Centers (Main)	2010-11	No.	45
	(h) Dispensaries	2010-11	No.	NA
	(i) Sub Health Centers	2010-11	No.	274
	(j) Private Hospitals	2010-11	No.	NA
	(VII) Banking Sector			
	(a) Commercial Bank's Branches	2010-11	No.	280
	(b) Rural Bank	2010-11	No.	6
	(c) Co-operative Bank	2010-11	No.	36
	(d) PLDB Branches	2010-11	No.	4
	(IX) Education			
	(a) Primary School	2010-11	No.	1230
	(b) Middle School	2010-11	No.	198
	(c) Secondary & Senior Secondary Schools	2010-11	No.	100
	(d) Colleges	2010-11	No.	91
	(e) Technical University	2010-11	No.	2

2.1 (A) Existing Status of Industrial Estates in Anand District:

Sl. No.	Name of Indl. Area	Land acquired (Hec.)	Land Developed (Hec.)	Prevailing Rate per Sq. Mtr. (Rs.)	No. of Plots	No. Of Allotted Plots	No. of Vacant Plots	No. of Units in Production
1	V. U. Nagar	232.36	193.39	1440	1015	1015	0	NA
2	Borsad	36.84	1.43	335	127	127	0	NA
3	Sojitra	10.46	7.19	265	74	74	0	NA
4	Khambhat	37.63	2.84	395	206	206	0	NA
5	Umreth	10.68	8.71	200	62	62	0	NA
6	Petlad	11.56	8.90	265	71	71	0	NA
	TOTAL	339.53	222.46	----	1555	1555	0	NA

Source: GIDC, Anand.

7.

Industrial Park in Anand:

Name & Location	Sector	Area
IT Park at Mogar	Information Technology	259 Hectors.

2.1 (B) Telecommunication Infrastructures:

The facility of Telecommunication Infrastructure in the district during the year 2010-11 is as given below:

Sl. No.	Particulars	Quantity Type	Total
1	Telephone Connections	No.	57,575
2	Telephone Center (Total No. of Exchange)	No.	77
3	Density of Telephone	No./ per 1000 person	31
4	Density of Telephone	No. per km	1009
5	PCO Rural	No.	736
6	PCO STD	No.	459
7	Mobile (* Segregation of data is not possible, hence is is provided combined for Anand & Kheda Districts.)	No.	2,26,139

PGM, BSNL (TD), Nadiad.

3. INDUSTRIAL SCENARIO OF ANAND:

Anand is an industrial base for chemical, Engineering and Food & agriculture products. Anand Milk Producers Union Limited (AMUL) has remained as largest dairy co-operative in India with a tune of Rs. 4,305 Crore during 2006-07. Industrial development could be attributed to the presence of significant numbers of Chemical and Engineering units in the district, which include Cambay Chemicals Ltd., Beepee Coating Ltd., Elicon Engineering Company Ltd., National Dairy Development Board, Mother Dairy Food Processing Ltd. Over 950 Small and Medium Enterprises (SMEs) are mainly present in five tehsils of the district has generated nearly 5,909 jobs in the district with an investment of Rs. 6,635.16 Lacs. Mainly industries in Laths & machine tools, Rice production, Tobacco steaming and Wood products have shown an investment of Rs. 5,458 lacs spread over in the district.

3.1 Industry at a Glance:

Sl. No.	Head	Unit	Particulars		
			Up to 30.6.06	1.10.06 To 31.03.12	Total
1	REGISTERED INDUSTRIAL UNIT	No.	6,223	1,514	7,737
2	TOTAL INDUSTRIAL UNIT	No.	-	-	-
3	REGISTERED MEDIUM & LARGE UNIT	No.	72	-	72
4	ESTIMATED AVERAGE NO. OF DAILY & WORKER EMPLOYED IN SMALL SCALE INDUSTRIES	No.	24,693	18,722	43,415
5	EMPLOYMENT IN LARGE & MEDIUM INDUSTRIES	No.	-	-	7,830
6	NO. OF INDUSTRIAL AREA	No.	-	6	6
7	TURNOVER OF SMALL SCALE INDUSTRIES	Rs. (Lacs)	NA	NA	NA
8	TURNOVER OF MEDIUM & LARGE SACLE INDUSTRIES	Rs. (Lacs)	NA	NA	NA

3.2 YEAR WISE TREND OF UNITS REGISTERED

Anand district was established on 01.10.1997 with bifurcation of eight tehsils namely Anand, Umreth, Petlad, Sojitra, Borsad, Anklav, Khambhat and Tarapur from Kheda district. Therefore, data about number of registered units, Employment and Investment is given in the table is combined for Kheda and Anand district from 198485 to 30.09.1997 together as the DIC was operating as a administration of the district.

10.

	YEAR	NUMBER OF REGISTERED UNITS	EMPLOYMENT (No.)	INVESTMENT (Lakh Rs.)
Up to	1984-85	3749	29112	3365.94
	1985-86	4023	30592	3388.50
	1986-87	4309	32614	3922.74
	1987-88	4642	34393	4215.68
	1988-89	4990	35565	4512.41
	1989-90	5336	36685	4805.71
	1990-91	5767	38386	5239.16
	1991-92	6282	40690	5918.53
	1992-93	6895	42934	6350.90
	1993-94	7506	44910	6838.38
	1994-95	8127	46768	7630.60
	1995-96	8757	48184	8359.19
	1996-97	9387	49457	8917.80
	31.03.97 to 30.09.97	4004	19,559	28,623.41
	1998-99	295	715	756.88
	1999-2000	301	666	346.57
	2000-01	300	774	336.85
	2001-02	301	785	354.23
	2002-03	300	456	213.55
	2003-04	247	447	531.05
	2004-05	250	546	177.81
	2005-06	225	709	650.64
	From 02.10.06 to 31.03.07	43	1,022	1,528.00
	2007-08	255	4,776	8,603.37
	2008-09	240	3,613	6,621.80
	2009-10	246	2,549	5,872.74
	2010-11	353	3,505	4,461.06
	TOTAL	7,360	40,158	59078.16

Source: DIC, Anand.

Note: Cumulative Investment up to 6,223 units 24,693 31,990.99
30.09.2006

3.3 (A) DETAILS OF EXISTING SECTORWISE AND REGISTERED MICRO & SMALL ENTERPRISES AND ARTISAN UNITS IN ANAND DISTRICT UP TO 30\09\06:

NIC CODE	TYPE OF INDUSTRY	No. Of UNITS	INVESTMENT (Lakh Rs.)	EMPLOYMENT
20	Agro based	562	4183.16	2591
22	Soda Water	338	2168.58	3100
23	Cotton Textile	59	183.41	249
24	Woolen, silk & artificial Thread based clothes	13	140.67	118
25	Jute & Jute based	--	--	--
26	Readymade garments & Embroidery	534	625.49	996
27	Wood/wooden based furniture	432	1636.34	1618
28	Paper & Paper products	136	656.42	582
29	Leather based	78	63.88	651
30	Rubber, Plastic & Petro products	205	1597.30	1065
31	Chemical & Chemical based	226	4984.89	1968
32	Mineral based	248	1261.75	1625
33	Metal based(Steel Fabrication)	412	3902.58	2880
35	Engineering Units	355	5039.41	1960
36	Electrical Machinery & Transport Equipment	99	1206.94	1351
97	Repairing & Servicing	2379	2626.70	3820
01	Others	147	1713.47	619
	Kachori Making	--	--	--

Source: DIC, Anand.

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3.3 (B) DETAILS OF EXISTING SECTORWISE AND REGISTERED MICRO & SMALL ENTERPRISES AND ARTISAN UNITS IN ANAND DISTRICT UP FROM 02\10\06 TO 31\03\12:

NIC CODE	TYPE OF INDUSTRY	No. Of UNITS	INVESTMENT (Lakh Rs.)	EMPLOYMENT
20	Agro based	NA	NA	NA
22	Soda Water	NA	NA	NA
23	Cotton Textile	NA	NA	NA
24	Woolen, silk & artificial Thread based clothes	NA	NA	NA
25	Jute & Jute based	NA	NA	NA
26	Readymade garments & Embroidery	NA	NA	NA
27	Wood/wooden based furniture	NA	NA	NA
28	Paper & Paper products	NA	NA	NA
29	Leather based	NA	NA	NA
30	Rubber, Plastic & Petro products	NA	NA	NA
31	Chemical & Chemical based	NA	NA	NA
32	Mineral based	NA	NA	NA
33	Metal based(Steel Fabrication)	NA	NA	NA
35	Engineering Units	NA	NA	NA
36	Electrical Machinery & Transport Equipment	NA	NA	NA
97	Repairing & Servicing	NA	NA	NA
01	Others	NA	NA	NA
	Kachori Making	NA	NA	NA

3.4 Large Scale Industries/Public Sector Undertakings.

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. At present there are 72 large scale industries having investments of Rs. 589.56 Lacs and generating nearly 7830 jobs in Anand.

14.

Details of Medium and Large Scale units in Anand district and nearby Area are as given below:

Name of Unit	Tehsil	Item manufactured
Amul Dairy,	Anand	Milk, Butter, Ghee, Paneer and Cheese etc.
National Dairy Development Board	Anand	Food products such as Srikhand, Dahi, Paneer etc.
Beepee Coating Ltd.	VUNagar (Anand)	Resin for Captive Use and Pints etc.
Emco Elicon India Ltd.	Mogri (Anand)	Mining Machinery & Machine Tools
Hindustan Packaging Company Ltd.	VUNagar (Anand)	Aluminium Foils, Tin Cans, Plastic containers & Pouches
Indian Dairy Machinery Company (P) Ltd.	VUNagar (Anand)	Plant Machinery & Equipment for Food Processing, Sugar industries and Breweries etc.
Jh Kharawala Pvt. Ltd.	Kalamsar Khambhat	Vinyl Sulphone
Metalco India Ltd.	Karamsad (Anand)	Cooper Rods, Alloy Tubes and Pipes etc.

15.

Vulcan Gears	VUNagar (Anand)	Gear Boxes
Baroda Electric Meters Ltd.	Anand	Electric Meters
Blue Dart Express Ltd.	VU Nagar	Dart Apex, Dart Surface Line
Charotar Animal Feed Pvt. Ltd.	VU Nagar	Animal Feed, Poultry, Fish & Cattle Feed etc.
Elecon Engineering Co. Ltd.	VU Nagar	Metrical Handling Equipments & Industrial Gears.
Roll Cone Engineering Co. Ltd.	VU Nagar	Industrial Chain Pocket Wheels.
R. K. Chemicals	VU Nagar	C. I. Powder
Charotar Sahkari Industry Ltd.	Petlad	Sugar
Milcent Appliance Pvt. Ltd.	VU Nagar	Flour Mills & air Coolers
Rotex Automation Pvt. Ltd.	VU Nagar	Rotex Solenoid Valves-Fluid Control System.
Amco Celecone Ltd.	Anand	Steel Plates and rods.
The Acme Manufacturing Co. Ltd.	Karamsad	"Millers" Concrete Batching & Mixing Plant, Transit Mixers E. O. T. Crane, Crane Unloader etc.

16.

Anand Regional Oil Seed Growers Union Ltd.	Anand	Cotton, Mustard Oil and Soybean Seeds.
Endra Barater Ltd.	Anand	Industrial Fans & Blowers.
Preyas Casting Pvt. Ltd.	VU Nagar	Ferrous and Non-ferrous Casting.
P. B. M. Poplytex Ltd.	Petlad	Cotton Yarn
V. V. N. Mfg. & Investment Ltd.	Anand	Rollers
Mig Weld & Machines Ltd.	Vu Nagar	Mfg. of Welding Machines
Sewis Glass Coat Equipment Ltd.	Vu Nagar	Glass Line Reaction Vessels.
Metalco India Ltd.	Karamsad	Copper Brass Rods & Profiles
Power Built Ltd.	VU Nagar	Wagon & Truck Loading System

Source: DIC, Anand.

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Details of existing Large Scale Units:

Sl. No.	Name of Tehsil	No. of Units	Investment (In Crore Rs.)	Employment
1	Anand	57	526.06	6,904
2	Sojitra	02	2.00	23
3	Khambhat	05	35.50	22
4	Petlad	07	23.00	641
5	Umreth	01	30.00	240
	TOTAL	72	589.56	7,830

3.5 Major Exportable Items:

Sr. No.	Name & Address	Product
1	Benny Agro, At: Petlad	Castor Oil
2	Ekta Food, At: Sokhda	Pickles
3	Shreeji Frozen Fruits & Vegetable At: Lambhvel	Frozen Fruits & Vegetables
4	Kirtiraj Snacks P. Ltd., At: Hardgooj	Namkins, Papad, Mathiya

3.6 Growth Trend:

For the last decade engineering sector has heavily contributed in the industrial growth and employment creation in the district. Plastic industries have also emerged as a thriving area for the investment and an increase of over 100 % in investment was observed during the last decade. Some of the main constituents of engineering sector are metallurgical industries, electrical equipments, miscellaneous machinery & engineering and auto parts have also been growing at a steady rate. Moreover, there is great potential in several sectors for further establishing new units are ports, power, agro & food processing, tourism, chemicals & petrochemicals and auto & engineering on small and mediums basis. According to the Industrial Entrepreneurial Memoranda ((EMI) filed during the decade 1998 to 2007, the district has shown a phenomenal growth in the engineering sector.

Plastic industries emerged as a thriving area for the investments and an increase of over 100% in investments was observed during the decade of 1998-2007. Some of the main constituents of engineering sector, such as metallurgical industries, electrical equipments, miscellaneous machinery & engineering and auto parts industries has also been growing at a steady pace.

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

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

Support infrastructure Facilities:

National highway (NH) 8 passes through the district connects it to Vadodara (38 km) and Kheda (21 km) nearby the district. Distance with other major industrial centers of the State namely Ahmedabad (73km), Rajkot (255 km), Jamnagar (343 km), Ankleshwar (122 km), Bhavnagar (242 km), Mehsana (147 km), Surat (205 km), Gandhinagar (101 km), and Vapi (272 km).

Support Infrastructure Facilities:

There are total 183 km. long railway lines laid down in broad gauge and narrow gauge line in the district. The district is well connected with Godhra, Ahmedabad, Kheda, Khambhat, Vasad and Mumbai through a broad gauge rail line of 147 km. With an estimated cost of Rs. 15 Crore a rail project to link Khambhat port with Anand to Ahmedabad has been initiated.

Nearest airports are Ahmedabad and Vadodara.

Nearest ports are Dahej and Hajira ports on coastal line of the State and India. A port based project is proposed near Khambhat, which includes Ship building yards, envisaging the cargo handling capacity of & MMTPA.

3.7 Vendorisation/Ancillarisation of the Industry:

There is no Trade Fair is organized under Vendor Development Programme either by DIC in collaboration of Government of Gujarat or Government of India during the year 2010-11.

3.8 Medium Scale Enterprises:

Industrial units having investment not exceeding Rs. 10 crore in plant and machinery are classified as medium scale industrial units. An Entrepreneur or a company desirous to set up a medium scale project needs an approval in the form of IEM Part-I or IEM Part-II from District Industries Center, Government of Gujarat (GoG) of respective District Head quarter. In the sense that the 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 8,186 small scale industries operating in the district, amongst which chemicals, varied manufacturing industries, repairing services, food products and non-metallic minerals products are the significant sectors in the SSI.

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3.8.2 Major Exportable Items:

3.9 Service Enterprises:

Government of Gujarat has implemented Industrial Policy 2009 in collaboration with District Industries situated in all the district of the State. DIC at Anand 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.

3.9.2 Potential Areas for Service Industry:

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

A) Toolkit for Self-employed women at the urban and rural level for

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

B) Toolkit for Repair Service Providers:

Sl. No.	Description as NIC 2004	5 Digit Code
1	Repair of bicycles and other non-mechanical vehicles	52605
2	Repair of household electrical appliances	52602
3	Plumbing & drainage	45301
4	Repair of TV, VCR, Refrigerator etc.	52603
5	Printing of advertising material	22211
6	Repair & maintenance of electric motors, generators & transformers	31108
7	Repair & maintenance of other electrical equipments n.e.c.	31908
8	Repair & maintenance of transport equipment.	35998
9	Retreading of tyres, replacing of tread & used pneumatic tyres	25114
10	Maintenance & repair of motor cycle, scooters and three wheelers	50404
11	Repair & maintenance of agriculture & forestry machinery	29218

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C) Other Services:

Sl. No.	Description as NIC 2004	5 Digit Code
1	Hair dressing & other beauty treatment	93020
2	Renting of tents, electrical appliances, furniture, tableware, crockery & utensils.	71301
3	Galzing, plastering, painting & decorating, floor sending and other similar building finishing works	45402
4	Activities of caterers	55204

3.10 Potential for New MSMEs:

4. Existing Clusters of Micro & Small Enterprises:

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

4.1 DETAILS OF MAJOR CLUSTERS:

4.4.1 Manufacturing Sector:

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

25.

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

Sl. No.	Industry Group	Tehsil	No. of Units	Investment Rs. (In lacs)	Production (M. T.)	Employment
1	Rice Processing	Khambhat	46	1031.29	3224.39	288
2	Dal Processing	Anand	38	554.01	4368.20	267
3	Tobacco Steaming	Anand	100	796.80	840.28	1024
		Petlad	54	159.99	369.45	349
		Borsad	73	310.98	980.94	858
4	Spinning & Weaving of Cotton Textile	Khambhat	47	130.26	128.51	156
5	Wood Products & Furniture	Umreth	55	269.79	301.02	292
		Anand	103	525.40	504.95	428
		Petlad	53	273.16	360.40	258
		Borsad	32	83.02	140.00	100
6	Printing & Publishing of Books	Anand	54	264.49	108.78	206
7	Paints & Varnish	Anand	49	578.66	996.18	363
8	Non-ceramic Bricks	Anand	55	172.22	187.70	480
9	Casting & Forging	Anand	39	702.31	1765.69	776
10	Fabricated Metal Products	Anand	93	611.64	462.01	443
11	Lath Machine Tools	Anand	167	1452.95	813.05	784

12	Fancy & Imitation Jewellery	Khambhat	37	31.51	15.02	56
		TOTAL	1095	7948.48	15566.57	7128

26.

4.1.2 Service Sector:

4.2 DETAILS OF IDENTIFIED CLUSTERS:

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

The following activities have been completed:

1. Induction and training programme of Cluster Manager and Assistant Cluster Development Manager (ACDM) in cluster related products, manufacturing process and design work.
2. Training has been given to Cluster Manager and Assistant Cluster Development Manager in the following aspects of Technology.
 - Welding Technology for tantalum.

- Material construction and heat treatment cycle of martenistic grade stainless steel.
- Deferent formulation of anodizing with electro polishing. Material construction of hot die steel.

27.

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

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

19	Shakti Plastic	1801\21
20	Birla Vishwakarma Mahavidhyalaya	V. V. Nagar
21	Sunrise Industries	380, V U Nagar
22	IDMC	Unit IV

28.

4. Following counseling services were offered to enterprises for up gradation technology.

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

4.2.1. Name of the Cluster:

1	Principal Products Manufactured in the Cluster	NA
2	Name of the SPV	NA
3	No. of functional units in the Cluster	NA
4	Turnover of the Cluster	NA
5	Value of Export by the Cluster	NA
6	Employment in the cluster	NA
7	Average investment in Plant & Machinery	NA
8	Major Issues/requirement	NA
9	Presence of capable institutions	NA
10	Thrust Areas	NA

11	Problems & constraints	NA
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29.

4.4.2 Present Status of the Cluster:

Present status of various natural clusters is as given below:

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

6	Printing, Publishing of Books Journalist	Anand	54	264.49	108.78	206
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30.

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

PRESENT STETUS OF THE CLUSTER:

4.2.3. Chemical Cluster:

1	Principal Products Manufactured in the Cluster	NA
2	Name of the Association	NA
3	No. of functional units in the clusters	NA
4	Turnover of the Clusters	NA
5	Value of Exports from the Clusters	NA

6	Employment in Cluster	NA
7	Average investment in Plant & Machinery	NA
8	Major Issues/requirement	NA
9	Access to Export Market	NA

31.

4.2.4. Fabrication and General Engineering Cluster:

1	Principal Products Manufactured in the Cluster	NA
2	Key Trade Association's Address	NA
3	No. of functional units in the clusters	NA
4	Turnover of the Clusters	NA
5	Value of Exports from the Clusters	NA
6	Employment in Cluster	NA
7	Average investment in Plant & Machinery	NA
8	Testing Needs	NA
9	Major Issues	NA
10	Access to Export Market	NA

4.2.5. Name of the Cluster:

1	Principal Products Manufactured in the Cluster	NA
2	Name of the Association	NA
3	No. of functional units in the clusters	NA
4	Turnover of the Clusters	NA
5	Employment in Cluster	NA

6	Average investment in Plant & Machinery	NA
7	Major Issues/requirement	NA
8	Access to Export Market	NA

32.

PRESENT STATUS OF CLUSTERS:

5. **General Issues raised by the Industry Association during the course of Meeting:**

33.

6. PROSPECTS OF TRAINING PROGRAMMES DURING 2012-13:

Sl. No.	Name of Programme	Subject	No. of proposed programme to be conducted
1	ESDP	NA	NA
2	MDP	NA	NA
3	BSDP	NA	NA
4	EDP	NA	NA
5	IMC	NA	NA

34.

7. Action Plan for MSME Schemes during 2012-13

Sl. No.	Name of the Scheme	Proposed activity on the Scheme
1	MSE-CDP	NA
2	ISO-9000-14000 HACCP reimbursement	NA
3	MSE-MDA	NA
4	CLCSS	NA
5	Capacity Building & strengthening of data base	NA
6	International Co-operation	NA
7	Tread for Women	NA
8	VDP	NA
9	National Awards	NA
10	NMCP Schemes	NA
	I. Lean Manufacturing	NA
	II. Design Clinic	NA
	III. Marketing assistance & Tech. up gradation	NA
	IV. QMS\QTT	NA
	V. Tech. & quality up gradation support	NA

	VI. ICT	NA
	VII. Bar Code	NA
	VIII. IPR	NA
	IX. Incubator Scheme	NA

35.

8. STEPS TO SET UP MSMEs

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

Sl. No.	Type of Assistance	Name & address of the Agencies
1.	Provisional Registration Certificate (EM-I) & Permanent Registration Certificate (EM-II)	General Manger, District Industries Centre, 2 nd Floor, Room No. 205-213, Jilla Seva Sadan, Borsad Chokdi, Anand .
2.	Identification of Project Profiles, Techno-economic and Managerial Consultancy Services, Market Survey and Economic Survey Reports.	General Manger, District Industries Centre, 2 nd Floor, Room No. 205-213, Jilla Seva Sadan, Borsad Chokdi, Anand .
3.	Land & Industrial Sheds.	Regional Manager, GIDC, Nr. Water Tank, Mogari-Napa Road, Vitthal Udyognagar. 388121
4.	Financial Assistance	All Commercial Banks, Co-operative Banks, and SIDBI. SIDBI: 1 st & 2 nd Floor, Jayanti Bhavan, Nr. Nav Jivan Press, Ashram Road, Ahmedabad.
5.	For Raw Materials under Govt. Supply.	National Small Industries Corporation Ltd. 205, Shiv Point Complex, College Road, Nadiad.
6.	Plant & Machinery under	205, Shiv Point Complex, College Road,

	hire\purchase basis.	Nadiad.National Small Industries Corporation Ltd.
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7.	Power\Electricity	MGVCL, Lambhvel Road, Anand.
8.	Technical Know-how	MSME-DI, 4 th Floor, Harsidhhi Cambers, Asram Road, Ahmedabad. And, National Small Industries Corporation Ltd. 205, Shiv Point Complex, College Road, Nadiad.
9.	Quality & Standards	Bureau of Indian Standards, Pushpak Building, Khanpur, Ahmedabad. And, Director of Quality Assurance, Shahpur Gate, Ahmedabad.
10.	Marketing\Export Assistance	MSME-DI, 4 th Floor, Harsidhhi Cambers, Asram Road, Ahmedabad. And, National Small Industries Corporation Ltd. 205, Shiv Point Complex, College Road, Nadiad.
11.	Other Promotional Agencies	Center for Entrepreneurship Development (CED), GITCO, GITCO House, O\p Sardar Patel Stadium, Navrangpura, Ashram Road, Ahmedabad., CIPET, Phase IV, Vatva GIDC, Vatva, Ahmedabad., NID, Nr. Sardar Bridge, Paldi, Ahmedabad. CED, Bl. No. 1, Udyog Bhavan, Sector-11, Gandhinagar.