

Industries Commissionerate  
Government Of Gujarat

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INDUSTRIAL EXTENSION BUREAU  
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# AMRELI

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## *Amreli: A Snapshot*

# Introduction: Amreli

- Amreli is located near the Gulf of Khambhat in the Arabian Sea, in the western part of Gujarat
- The district has 11 talukas, of which the major ones are Amreli, Babra, Bagasara, Jafrabad, Rajula, Savarkundla and Vadiya
- Amreli** city is the district headquarter of Amreli
- Focus industry sectors-Engineering, Port and Ship building, Minerals and Cement**

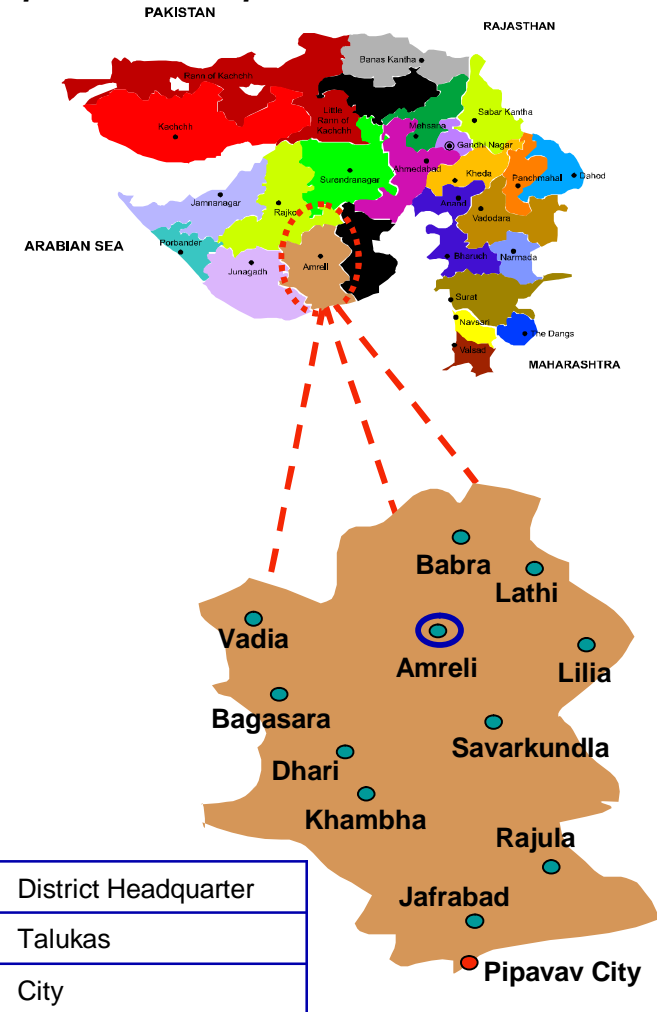
## Pipavav Port:

- Pipavav, India's first private sector port and the world's third largest container terminal operating port, is located in Amreli district (Source: *Pipavav Port, 2007*)

## Minerals:

- The district houses large reserves of limestone (Source: *Mineral Treasure of Gujarat,, Commissioner of Geology and Mining, 2002-03*)

Map1: District Map of Amreli with Talukas



# Fact File

<b>Geographical location</b>	<b>70.30° to 71.75°East (Longitude)</b>
	<b>20.45° to 22.25°North (Latitude)</b>
<b>Average rainfall</b>	<b>550 mm</b>
<b>Rivers</b>	<b>Shetrunji, Thebi, Dhatarwadi, Gagdio, Shanti, Vadi and Rayadi</b>
<b>Area</b>	<b>7,397 sq.km</b>
<b>District headquarter</b>	<b>Amreli</b>
<b>Talukas</b>	<b>11</b>
<b>Population</b>	<b>1.39 million (As per 2001 Census)</b>
<b>Population density</b>	<b>188 persons per sq. km.</b>
<b>Sex ratio</b>	<b>987 Females per 1000 Males</b>
<b>Literacy rate</b>	<b>66.10%</b>
<b>Languages</b>	<b>Gujarati, Hindi and English</b>
<b>Seismic zone</b>	<b>Zone III</b>

Source: Socio Economic Review 2006-07



## *Economy and Industry Profile*

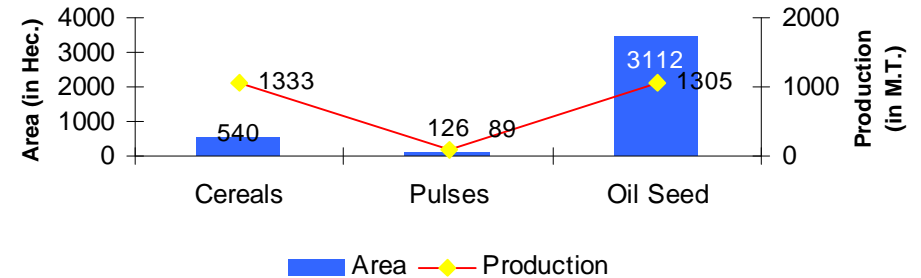
# Economy and Industry Profile

- Amreli is a base for cement, metallurgical, electrical equipments, ports and ship building industries
- Due to the presence of large reserves of limestone, several major cement conglomerates, such as Larson & Toubro and Ultra Tech Cement Co. Ltd have established their manufacturing facilities in Amreli
- Larson & Toubro Limited (L&T) has a calculated investment of approximately INR 1,682 crore (USD 400 million)
- Excellent port connectivity with the presence of Pipavav port makes port and ship building industry the key industry in the district. **Gujarat Pipavav Port Limited** has investments of more than INR 250 crore (USD 59.5 million)
- Over 5,455 units of Small and Medium Enterprises (SME's) are present in Amreli
- Savarkundla taluka is known for the production of engineering equipments (weighing materials and machines) in Gujarat

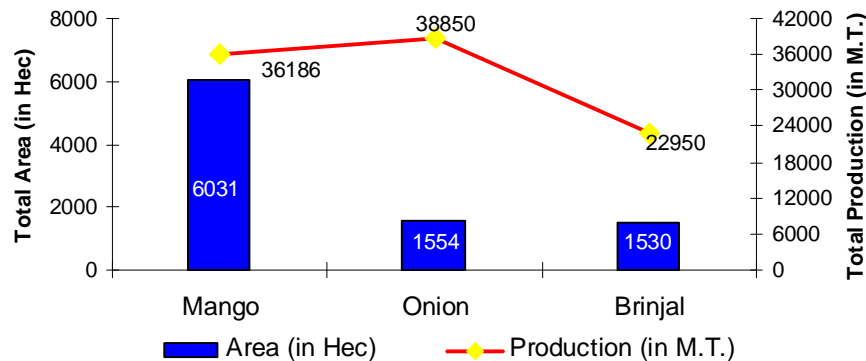
# Agriculture

- Major crops being produced in the district are *groundnut, cotton, sesame, jowar and bajra*
- Total agricultural productivity of Amreli for the year 2006-07 was 1.5 lakhs Metric Tones (MT)
- The district was the fifth highest producer of oilseeds in the State with a production of 1,305 M.T. (in 2006-07)
- Total production of cotton in Amreli was 4,90,100 Bales (in 2006-06)

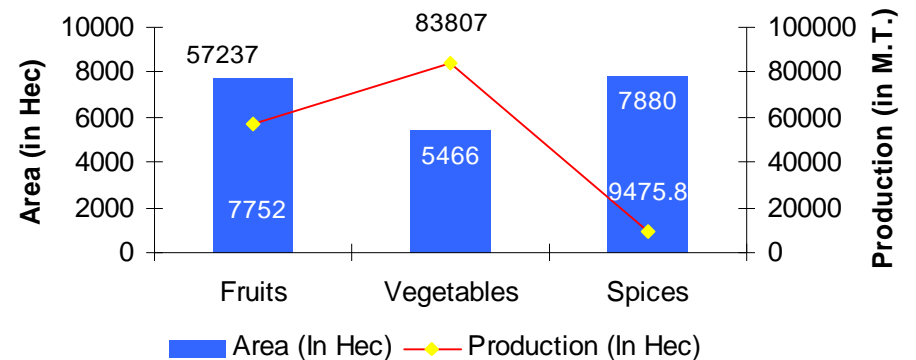
**Fig 1: Food and non – food crop production (2006-07)**



**Fig 3: Total area and production of major food crops (2006-07)**



**Fig 2 : Food crop production (2006-07)**

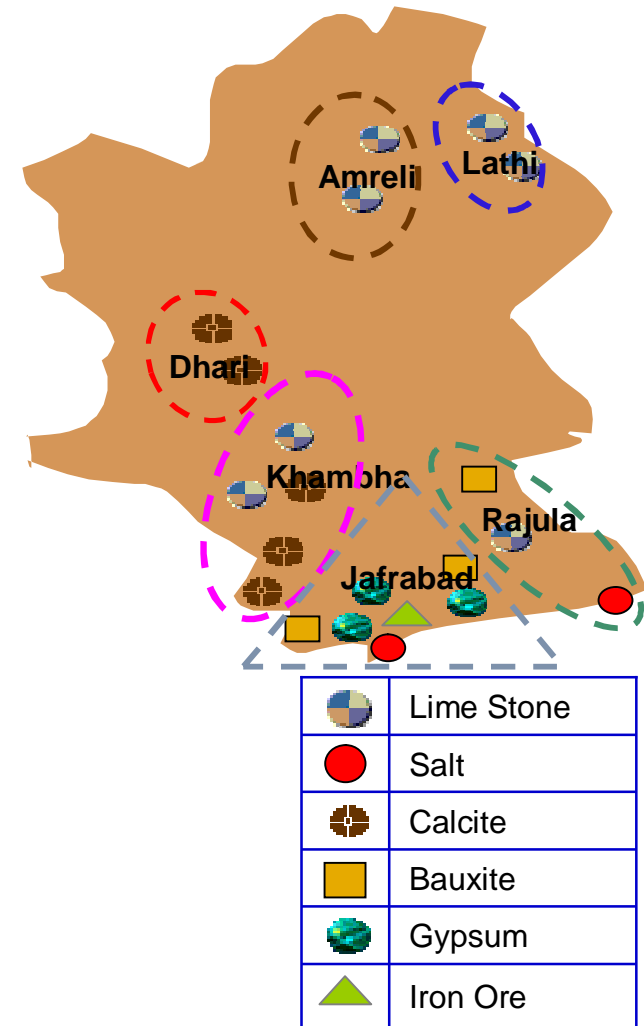


Source: Department of Agriculture, 2006-07

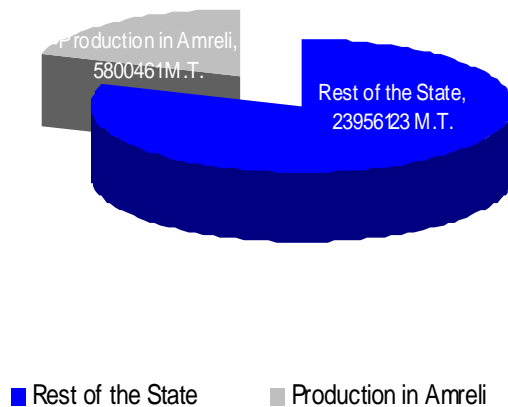
# Minerals

- Limestone is the major mineral found in the district
- Total production of limestone in the district was 5,800,461 MT during 2005-06
- Besides limestone, the district is also known for natural clay, salt, gypsum and black stone

**Map2: Mineral Map of Amreli**



**Fig 4: Limestone production in Amreli (in mn M.T)**



Source: Mineral Treasure of Gujarat,, Commissioner of Geology and Mining, 2002-03

# Major Industries

**Table 1: Major industries present in Amreli (in 2006-07)\***

Name of the Industry	Taluka	Product
Ultratech Cement Co. Ltd.	Rajula	Cement
Gujarat Co. Mktg. Fed. Ltd.	Amreli	Edible Oil
Gujarat Pipavav Port Limited	Pipavav	Port developments and Operations
Pipavav Ship dismantling and engineering	Rajula	Vessels and other floating structures
Narmada Cement Co. Ltd.	Jafrabad	Cement

**Map 3 : Major industries in Amreli\***



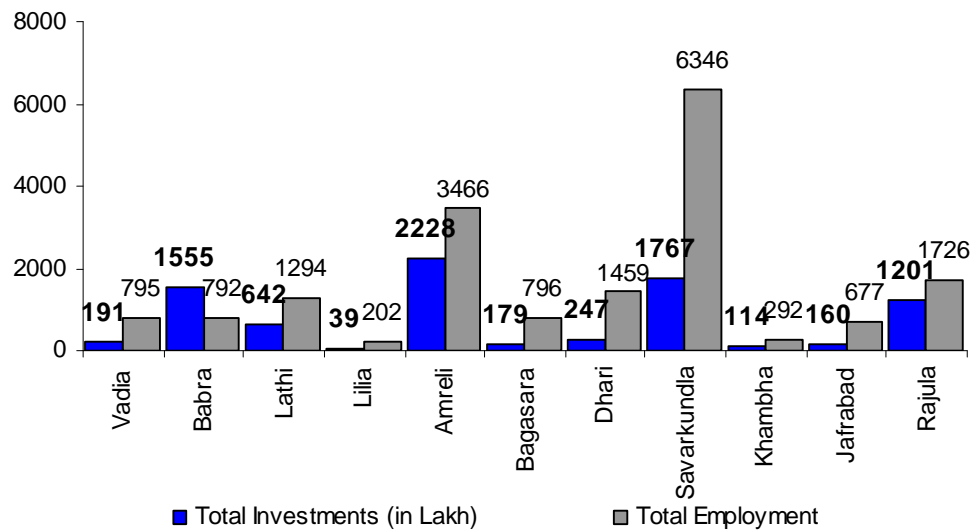
\* Indicative List

Source: Industries Commissionerate, Government of Gujarat, 2007

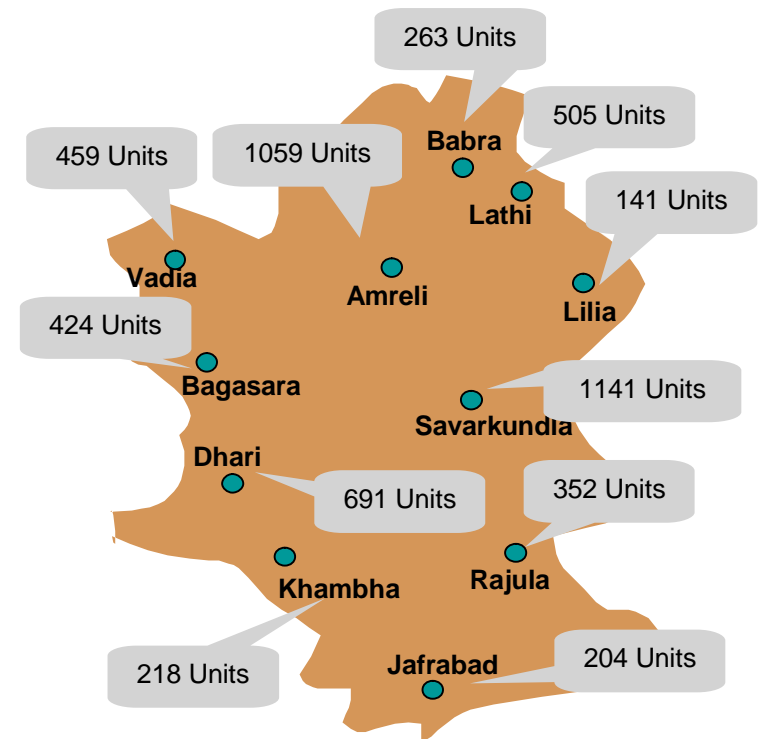
# Small Scale Industries (SSI)

- In 10 talukas of the district, over 5,455 units generate 17,845 jobs and have an investment of INR 8,323.60 lakhs (USD 20.30 million)
- Maximum number of small scale industries are engaged in **embroidery products, textiles and wooden boxes**
- Savarkundla taluka has witnessed maximum number of SSI units with a healthy investment of over INR 1,767 lakhs (USD 4.30 million), providing jobs to 6,346 people

**Fig 5: Taluka-wise total investments and employment in Amreli**



**Map 4: SSI Clusters in Amreli**

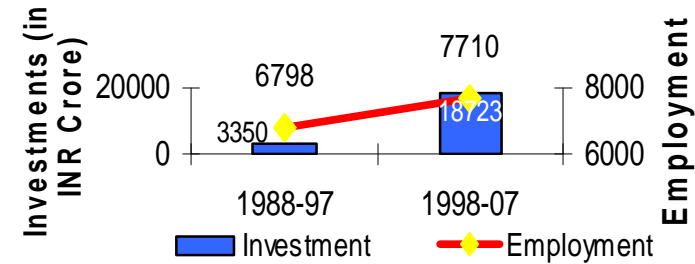


Source: Amreli District Profile, 2006-07

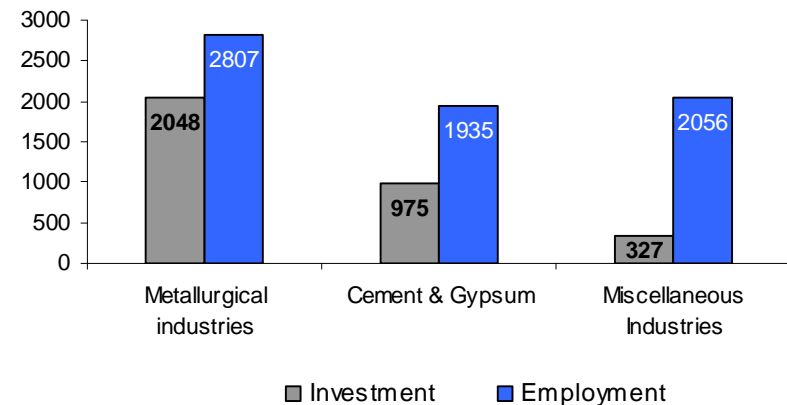
# Investment Trends: 1988-97

- According to Industrial Entrepreneurial Memoranda (IEM) filed from 1988 to 2007, Amreli has shown an investment of **INR 22,083 Crore** (USD 5,386 million) in industries such as metallurgical, fertilizers, engineering and cement industries
- From 1988 to 1997, investments across industries in the district amounted to INR 3,350 crore (USD 817 million). Some of the major investments were in metallurgical industries, cement and gypsum and in infrastructural projects.
- Metallurgical sector and industries in cement and gypsum products led to the maximum employment generation of almost 2,807 and 1,935 respectively, during the year 1988-97.

**Fig 6: Decadal Growth Rate**



**Fig 7: Total Investment and Employment (in 1988-97)**

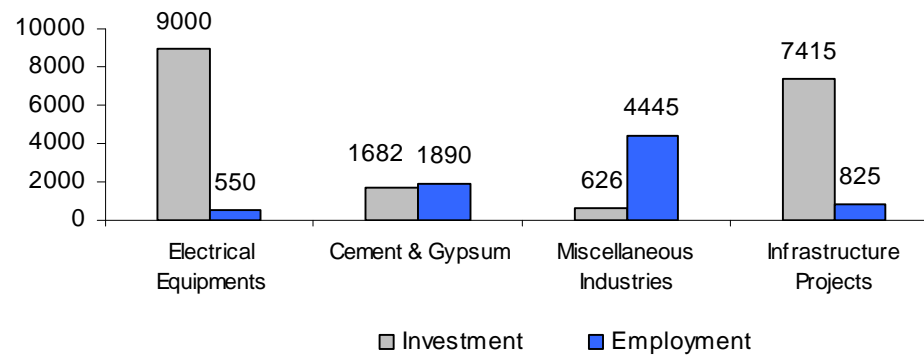


Source: Industries Commissionerate, Government of Gujarat, 2007

# Investment Trends: 1998-07

- The present period (1998-07), manufacturing of electrical equipments, has shown maximum investments of approximately INR 9,000 crore (USD 2,195.12 million), which was almost 50% of the total investment of INR 18,723 crore (USD 4,566.58 million)
- A steep growth was observed in cement and gypsum sector during 1998-07 over the investments in the previous decade. Infrastructure development emerged as a potential area, with investments to the tune of INR 7,415 crore (USD 1,808.5 million)

**Fig 8: Total Investments (in Crore) and Employment (during 1998-07)**

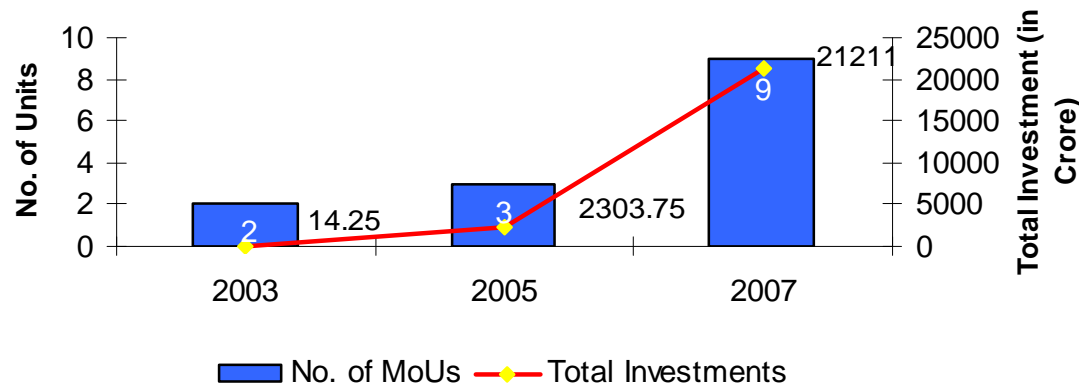


Source: Industries Commissionerate, Government of Gujarat, 2007

# Investments in Pipeline

- In total 14 MoUs were signed during Vibrant Gujarat Global Investors' Summits (VGGIS) in 2003, 2005 and 2007 in several sectors such as ports, power and mineral based industries
- With an investment of INR 8,000 crore (USD 1,951.22 million), Torrent Power has signed an MoU in Vibrant Gujarat 2007, for a 2000 MW power project in Pipavav city
- During VGGIS 2007, Gujarat State Petroleum Corporation (GSPC) signed an MoU for developing a LNG terminal at Pipavav with an investment of INR 2,000 crore (USD 487.8 million)

**Fig 9: Number of MoUs and Total Investments (Global Investors Summit)**



Source: Industries Commissionerate, Government of Gujarat, 2007

# Economy Drivers

- Amreli is emerging as a hub for port-based, minerals, engineering and cement industries
- The development of Pipavav port to handle Liquefied Petroleum Gas (LPG) and developed port infrastructure of handling 22 million metric tonnes per annum (MMTPA) of general cargo and containerised cargo has made it a gateway port. The port facility present at Pipavav would help in attracting investments in the future as well
- Emergence of an LPG terminal, several new power projects and captive jetty industries in Pipavav by industries such as GSPC, Torrent Power, Ultratech Limited and Videocon are expected to further fuel the economic growth of the district
- Rise of new sectors in the district, such as electrical equipments, engineering, and infrastructure projects during 1998-07 has led to the development of Amreli as a thriving industrial belt
- The Government of Gujarat has started a road project connecting Pipavav to Ahmedabad directly. This is expected to boost the commercial activity and easy movement of logistics in the district, due to the proximity of Ahmedabad with Delhi-Mumbai Industrial Corridor (DMIC)



## ***Industrial Locations / Infrastructure***

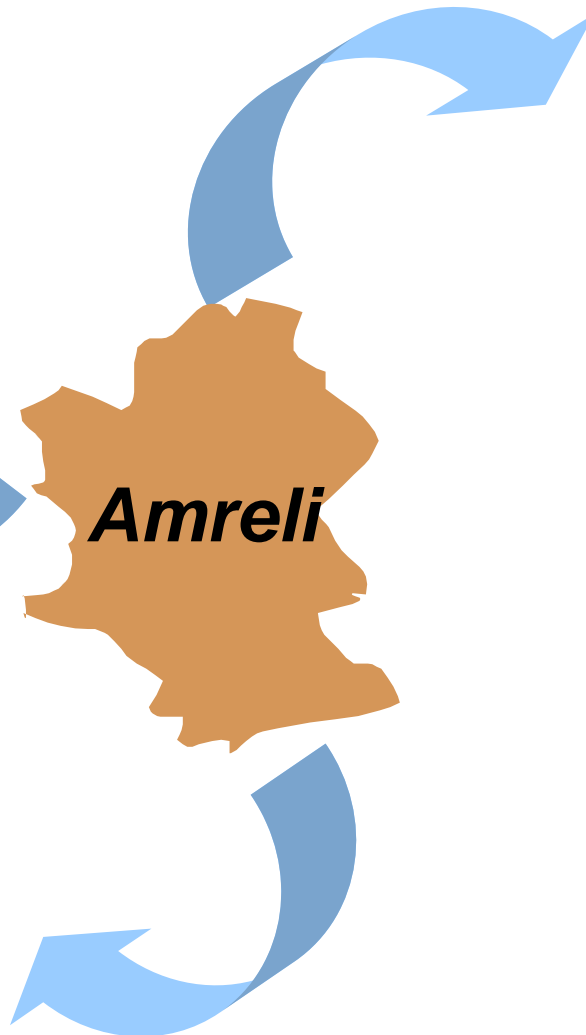
# Industrial Locations / Infrastructure

## 2 Special Economic Zones

Special Economic Zone
M/s E Complex Private Limited
M/s PSL Limited

## 1 Industrial Park

Industrial Parks / Developers
Port based park



## 7 Industrial Estates

Industrial Estates
Jafrabad
Liliya
Rajula
Babra (2)
Damnagar
Amreli

# Special Economic Zones / Industrial Parks

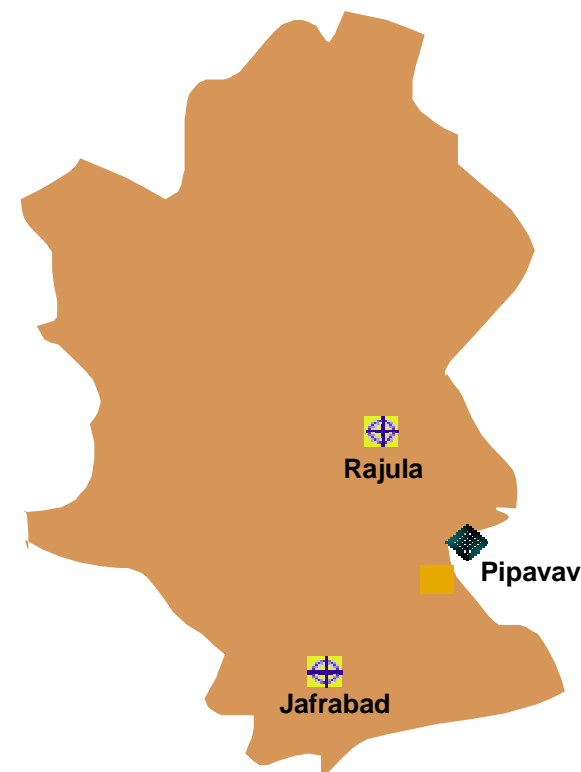
**Table 2: Special Economic Zones in Amreli (As on Dec. 2007)**




Name & Location	Sector	Status
E Complex Pvt. Ltd., Rajula & Jafrabad	Engineering	Notified for 156 hec.
PSL Ltd., Pipavav	Alternative Energy & Ancillaries	In-principle

**Table 3: Industrial Parks in Amreli**

Name & Location	Sector	Details
Port based park, Pipavav	Chemical	Spread in an area of 1000 hec.

**Map 5 : SEZs and Industrial Parks in Amreli**



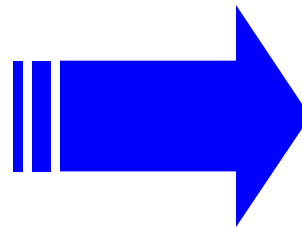
	Engineering
	Alternative Energy & Ancillaries
	Industrial Park

Source: Industries Commissionerate, Gujarat Infrastructure Development Corporation, 2007

# Industrial Locations / Infrastructure

**Table 4 : Industrial Estates in Amreli**

Name & Location	Area (in Hec)
Jafrabad	1.00
Liliya	1.00
Rajula	4.05
Babra (2)	9.96
Babra (1)	15.85
Damnagar	14.81
Amreli	14.05



**Map 6 : Industrial estates in Amreli**

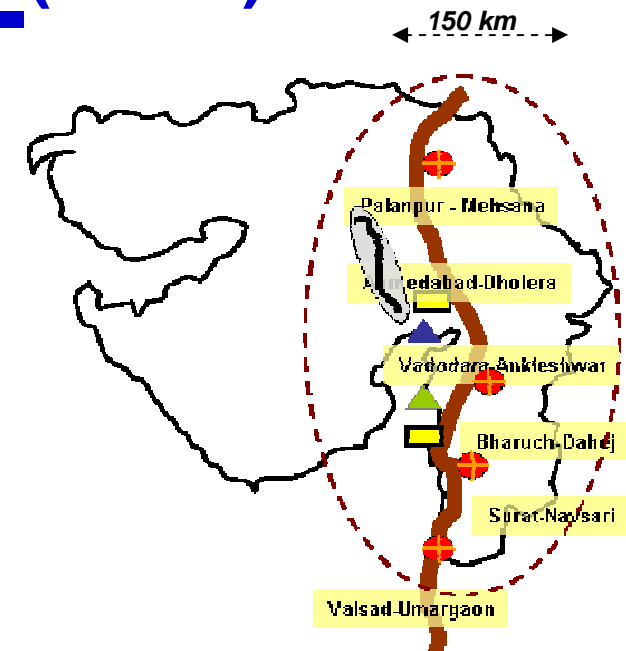


Source: Gujarat Industrial Development Corporation (GIDC)

# 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 (1483 km).
- 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 the State (18 out of 26 districts) would benefit 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 estates, hinterlands, markets and points of agricultural produce.

Source: Concept paper on DMIC (IF&FS), June 2007



Map 7: Delhi-Mumbai Industrial Corridor

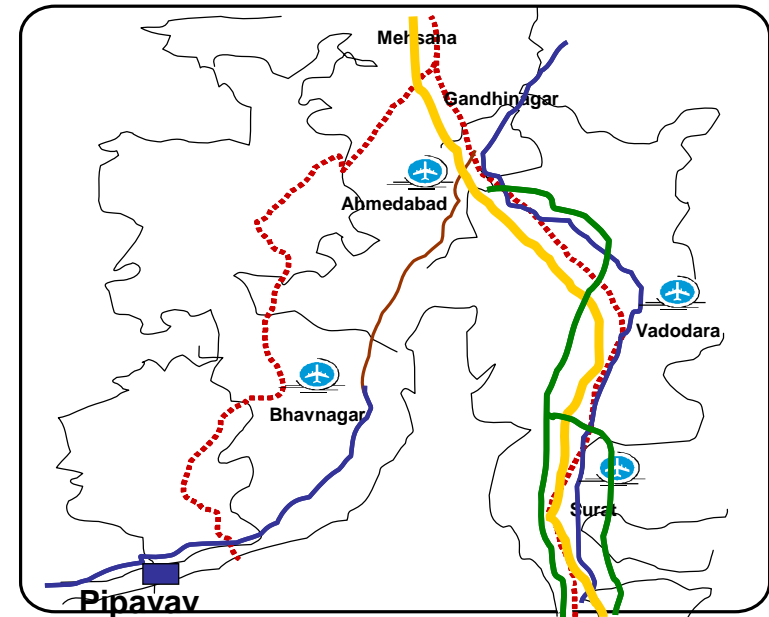
	Mumbai- Delhi High Axle Load Freight Corridor (DFC)
	Ahmedabad-Gandhinagar Knowledge Corridor
	Investment Region (200 sq. km)
	Industrial Area (100 sq. km)
	Petroleum, Chemical and Petrochemical Investment Region (PCPIR)
	Special Investment Region (SIR)
	DMIC Influence Area





# Delhi Mumbai Industrial Corridor (DMIC)

## Dedicated Freight Corridor (DFC)

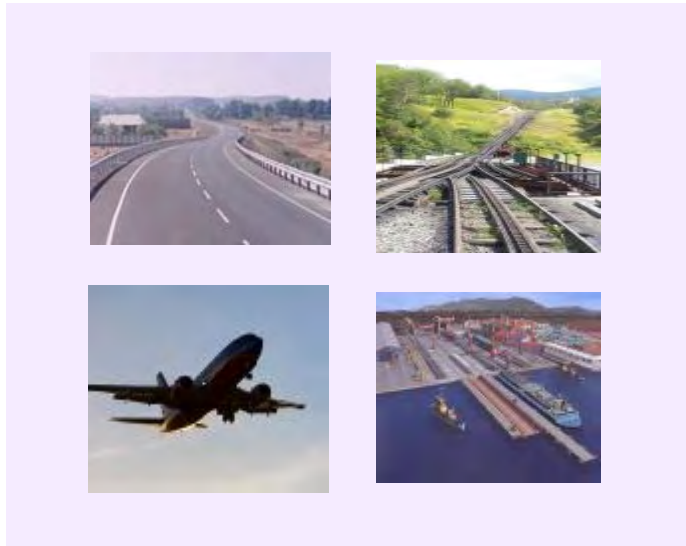
The broad gauge rail line of 264 km, connecting Pipavav port with Surendranagar district has made the district closer to the Dedicated Freight Corridor (DFC), which passes through Surendranagar and Ahmedabad.

Map 8: Connectivity of Amreli with other districts in Gujarat



	Mumbai-Delhi High Axle Load Freight Corridor
	Existing Railway
	National Highway
	Mumbai-Ahmedabad Expressway
	Proposed LNG Terminal

Source: Concept paper on DMIC (IL&FS), June 2007



## *Support Infrastructure*

# Road, Rail, Port and Air Connectivity

## Road

- National Highway 8E passes through the district connecting it to Junagadh (92 km) and Bhavnagar (113 km) district
- Amreli is also connected to Ahmedabad (258 km), Vadodara (400 km), Jamnagar (193 km) and Surat (566 km), Rajkot (105 km), Ankaleshwar (483 km), Vapi (633 km), Gandhinagar (358 km) and Mehsana (404 km)
- A four-lane expressway connects the Pipavav port to National Highway 8E

## Rail

- Almost all the talukas of Amreli are well connected with the rail network
- The total rail length in the district is 271 km
- In total there are seven railway stations in Amreli

## Air

- Nearest airports are in Bhavnagar, Rajkot and Vadodara

## Port

- Nearest ports are in Junagadh and Jamnagar

Map 9: Connectivity map of Amreli

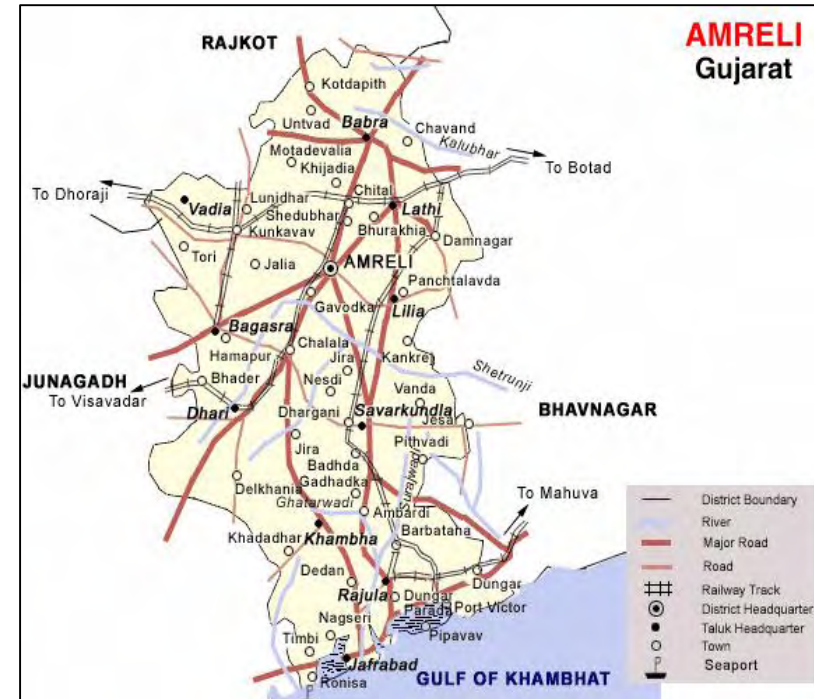


Table 5: Distance of Amreli from Major Industrial hubs

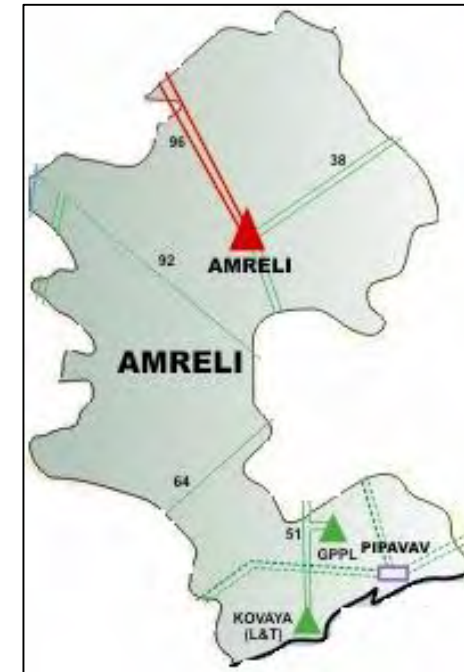
Locations	Distance (in km)
Delhi	1089.38
Mumbai	778.63
Hyderabad	1295.44
Kolkata	2137.61
Chennai	1842.39



# Power Supply Network

## Power

- A substation of 400 KV is present in Amreli city, connected with Jetpur in Rajkot, Asoz in Vadodara, and Chorania in Surendranagar
- Two 220 KV substations are present in Pipavav and Kovaya city
- About 4000MW power stations are proposed in Pipavav.
- 66kv and 11kv distribution system spread over the district.

Map 10: Power Map of Amreli



	400 KV Sub Station
	220 KV Sub Station

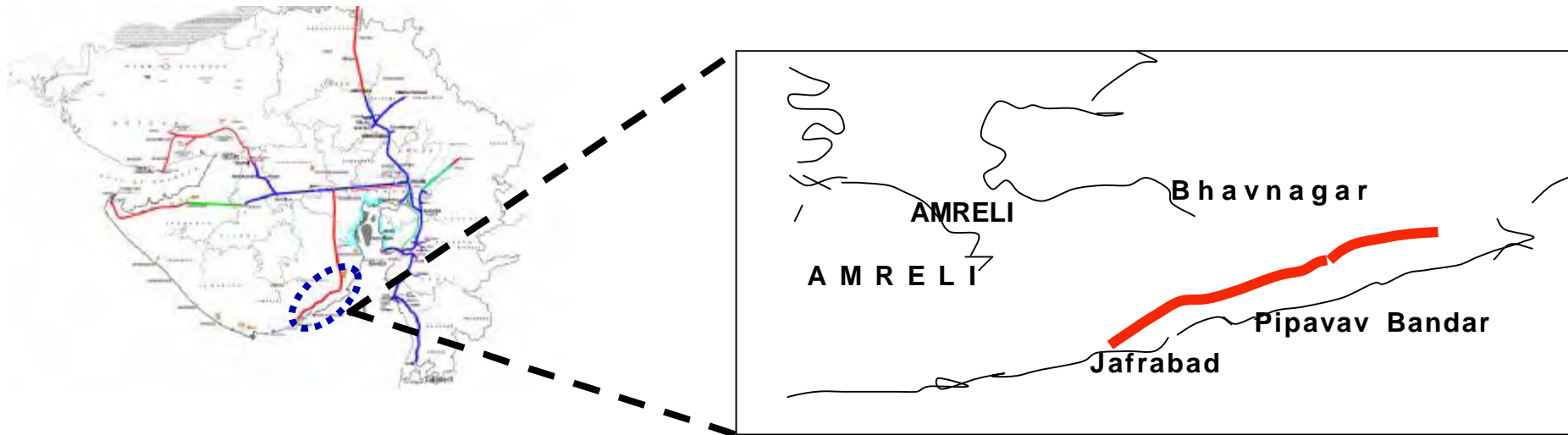
Source: Gujarat Electricity Board, 2007

# Gas Supply

## Gas

- Gujarat State Petronet Limited (GSPL) has proposed a 80 km long gas pipeline in Amreli, originating from Jafrabad and connecting Pipavav via Bhavnagar.

Map 11: Gas Grid Map of Amreli



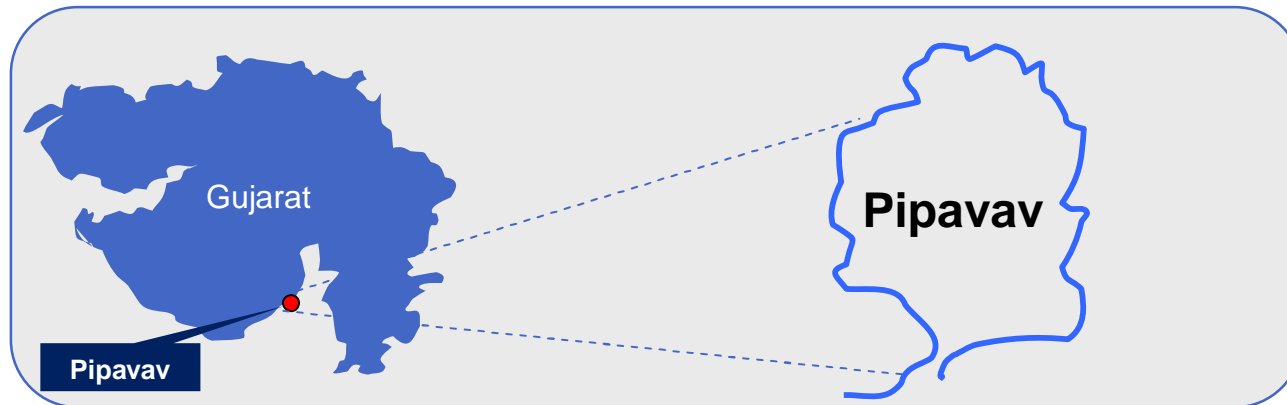
- Route Identification Complete
- Commissioned
- Under Construction

Source: Gujarat State Petrochemical Limited

# Pipavav Port

- Pipavav port is India's first private sector port and third largest container terminal operator, occupying an area of 6,760 sq. km
- The port's cargo handling capacity with an investment of more than INR 7 billion (USD 166.66 million) for its development. The port's cargo handling capacity is around 22 MMTPA, which includes general and container cargo
- The container stackyard has a storage area of about 1,70,000 square metres
- The port has 3 dry cargo berths capable of handling bulk, break-bulk and containerised cargo
- It has also developed an extensive backup infrastructure in the form of 15 warehouses, open stackyards and a port users building to accommodate the offices of customs, stevedores agents and shipping lines
- It plans to create a world class container terminal with a capacity to handle 1 million TEU's and handle 5 million MT of bulk cargo annually

*Map 12: Location of Pipavav in Gujarat*



Source: Gujarat Maritime Board

# Pipavav Port

- A variety of bulk and break bulk cargo such as coal, cement, clinker, fertilisers, steel coils, iron ore, agri products, salt and soda ash are regularly handled at the port.
- Ultra Tech Cement Limited, Essar Steel, Gujarat Heavy Chemicals Limited are some of the key customers at the port.
- Some of the major shipping lines operating at the port include Maersk Line, Safmarine, RCL, Hapag Lloyd, UASC, Hanjin, K Line, Hyundai, MOL, APL, PIL, Norasia, OOCL and ZIM.
- Pipavav port is well connected by road and rail. It has developed three railway sidings inside the port limit in close proximity to the warehouses and berths.
- It has a direct weekly mainline services to Europe, US and Far East. From the western coastal region of India, the port is linked internationally with Shanghai and the US.



Source: Gujarat Maritime Board

# Proposed Infrastructure Projects

## Power project:

- Krishak Bharti Cooperative Limited (KRIBHCO) a Public Sector Undertaking (PSU) of Central Government with the joint venture of Gujarat Power Corporation Limited (GPCL), has started a gas based power project with the capacity of 615 MW in Pipavav city
- Combined Cycle Gas Turbine technology is being used in the project
- Total project cost is worth INR 2,141 crore (USD 522.19 million)



## Road project:

- With an estimated cost of INR 12 crore (USD 3 million), Gujarat State Road Development Corporation (GSRDC) and Gujarat Maritime Board (GMB) have initiated to develop a road project, linking the port with Pipavav- Bherai Road to Ahmedabad
- Status: Project is in progress



## Water Project:

- For the improvement of water supply and sewerage system in the district, Urban Development Authority (UD) has commissioned a project along with Urban Housing Department



Source: Gujarat Infrastructure Development Board



## ***Social Infrastructure***

# Education

## Education:

- There are 966 primary, 171 secondary and higher secondary schools present in Amreli
- One Government polytechnic college in the district offering engineering courses in the fields of electronics, mechanical and civil
- **Shri Leuva Patel Mahila Pharmacy College and Shri Leuva Patel Trust MBA Mahila College** are the pharmacy and management colleges present in Amreli with an intake capacity of 60 persons respectively.
- The intake capacity of five ITIs present in the district are 1,408 offering several industrial training programmes

## Health:

- 13 community health centres
- 35 primary health centres
- 1 ayurvedic and 1 civil hospital

Educational Institutes	Total
Primary School	966
Secondary School	171
Higher Secondary School	
ITI's	5
Polytechnic College	1
Pharmacy College	2
Management College	1
Other Colleges*	8

*\*Other Colleges: Arts, Commerce, Science, B.Ed and Law College*



## *Tourism*

# Tourism

- 30,898 Hectares of forest area is present in Amreli, comprising a wide variety of animal and plant species
- Amreli also witnessed the presence of Gir Lion Sanctuary, the only abode to Asiatic Lions in the world, in an area of 379.9 sq. km
- Shri Girdharbhai Sangrahalaya children's museum is present in the district, exhibiting art, archaeology, astronomy and natural history. Informative films are also conducted
- Paniya and Mityala wildlife sanctuaries are tourist attractions
- Other renowned places in Amreli are Bhurakhiya Hanuman Mandir and Khodiyar Mandir and Pipavav port

**Pipavav Port**



**Gir Lion Sanctuary**





## *Investment Opportunities*

# Investment Opportunities



## *Food and Agriculture*

- *Setting up of manufacturing of edible oil mills*
- *Drip and sprinkler irrigation, micro irrigation*
- *Food and agro parks*
- *Fishing industries*



## *Port led Development*

- *Opportunities in LNG terminals*
- *Power sector*
- *Captive jetty*



## *Engineering*

- *Metallurgical products*
- *Electrical industries*
- *Manufacturing of weighing machines*

\* Detailed Sector/ Project Profiles for investment opportunities available at [www.indextb.com](http://www.indextb.com)

# Investment Opportunities

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## ***Cement Industry***

- ***Cement and gypsum industries***
  - ***Building stone units***
  - ***Chemical plants for manufacturing metallic calcium and desulphurising petroleum.***
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\* Detailed Sector/ Project Profiles for investment opportunities available at [www.indextb.com](http://www.indextb.com)

# Annexure I

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Map 2: Mineral Map of Amreli	Figure 2 : Food Crop Production in 2006-07	Table 2 : SEZs in Amreli
Map 3 : Major Industries in Amreli	Figure 3 : Total Area and Production of major Food Crops in 2006-07	Table 3 : Industrial Parks in Amreli
Map 4: SSI Clusters in Amreli	Figure 4 : Limestone Production in Amreli (in mn M.T.)	Table 4 : Industrial Estates in Amreli
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# Annexure II : Abbreviations

**IEM** : Industrial Entrepreneur Memorandum  
**MoU** : Memorandum of Understanding  
**SSI** : Small Scale Industries  
**VGGIS** : Vibrant Gujarat Global Investors Summit  
**SEZ** : Special Economic Zone  
**LNG** : Liquefied Natural Gas  
**GIDC** : Gujarat Industrial Development Corporation  
**DMIC** : Delhi Mumbai Industrial Corridor  
**DFC** : Delhi Freight Corridor  
**GIDB** : Gujarat Infrastructure Development Board  
**GIDC** : Gujarat Industrial Development Corporation  
**GoG** : Government of Gujarat  
**KRIBHCO**: Krishak Bharti Cooperative Limited  
**GSPC**: Gujarat State Petroleum Corporation  
**PSU**: Public Sector Undertaking  
**GPCL**: Gujarat Power Corporation Limited  
**GSRDC**: Gujarat State Road Development Corporation  
**GMB**: Gujarat Maritime Board  
**ITI**: Industrial Training Institutes