Surat & Tapi : A Snapshot
Introduction: Surat & Tapi

- Located in the Southern part of Gujarat, Surat is the **second largest** commercial hub in the State.
- Recently, the district of Surat was bifurcated into two new districts, viz. Surat district with headquarter at Surat and Tapi district with its headquarter at Vyara.
- The district of Surat is divided into **ten revenue talukas**. Choryasi, Palsana, Kamrez, Bardoli, Olpad, Mangrol, Mandvi and Surat city are the major developed talukas in the district.
- The newly constituted Tapi district consists of **five talukas** viz. Vyara, Songadh, Uchchal, Nizar and Valod.
- **Surat** is mainly known for its **textiles & diamond processing industries**.
- The district is emerging as a potential hub for IT/ITeS sector in Gujarat.
- Hazira and Magdalla Ports in the district provide logistic support to industrial operations in the state.

Map 1: District Map of Surat & Tapi
Introduction: Surat & Tapi

- Vyara and Songadh in **Tapi district** are known for dense forests with a major production of bamboos
- The unit of Central Pulp Mills is located in Songadh taluka
- **Focus Industry Sectors**
  - Textiles & Apparels
  - Gems & Jewelry
  - Chemicals & Petrochemicals
  - Ports
  - IT Enabled Services & Biotechnology

*Map 2: District Map of Tapi & Talukas*
Fact File : Surat

<table>
<thead>
<tr>
<th>Geographical Location</th>
<th>72.38° to 74.23 ° East (Longitude)</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>21.0 ° to 21.23 ° North (Latitude)</td>
</tr>
<tr>
<td>Temperature</td>
<td>45 ° Centigrade (Maximum)</td>
</tr>
<tr>
<td></td>
<td>10 ° Centigrade (Minimum)</td>
</tr>
<tr>
<td>Average Rainfall</td>
<td>1000-1200 mm</td>
</tr>
<tr>
<td>Rivers</td>
<td>Tapi</td>
</tr>
<tr>
<td>Area</td>
<td>7,761 sq Km</td>
</tr>
<tr>
<td>District Headquarter</td>
<td>Surat</td>
</tr>
<tr>
<td>Talukas</td>
<td>10</td>
</tr>
<tr>
<td>Population</td>
<td>4.99 Million (As per 2001 Census)</td>
</tr>
<tr>
<td>Population Density</td>
<td>653 persons per sq. Km</td>
</tr>
<tr>
<td>Sex Ratio</td>
<td>835 Females per 1000 Males</td>
</tr>
<tr>
<td>Literacy Rate</td>
<td>75%</td>
</tr>
<tr>
<td>Languages</td>
<td>Gujarati, Hindi and English</td>
</tr>
<tr>
<td>Seismic Zone</td>
<td>Zone III</td>
</tr>
</tbody>
</table>

Source: Surat District Profile 2006-07
Economy and Industry Profile
Industrial development in Surat district could be attributed to the presence of a large number of diamond processing, textiles and chemical & petrochemical industries.

During 2006-07, Surat contributed a maximum of 11.5% of Gross Domestic Product (GDP) to the State, as compared to any other district of India.

The processes 10 out of 12 varieties of diamonds in the world contributing to INR 45,000 crore (USD 10.71 billion), which is approximately 65% of total diamond exports from India.

Surat – The synthetic capital of India hosts over 45,000 power looms and provides over 7 lakh jobs.

It contributes 18% to the total man made fiber exports and 40% of man made fabric production in India.

Surat has been very successful in attracting a sizeable amount of Foreign Direct Investment (FDI) in various sectors like energy, oil, and petroleum. A significant investment of INR 3,000 crore (USD 726 million) in Hazira LNG terminal project is one of the largest greenfield FDIs in India.

Source: Indian Real Estate Growth and New Destinations, FICCI - Ernst & Young Report, 2007

Surat Contributes to …

- 42% of world's total rough diamond cutting & polishing
- 70% of nation's total rough diamond cutting & polishing
- 65% of nation's total diamond exports
- 40% of nation's total man made fabric production
- 28% of nation's total man made fiber production
- 18% of nation's total man made fiber exports
In the year 2006-07, Surat produced more than 8 Lakh Metric Tonnes (MT) of fruit crops, around 2.75 lakh MT of vegetable crops and approximately 14,000 MT of spices.

The district captured a share of 15.24% of the total fruit production in Gujarat by becoming the largest producer of papaya and second largest producer of banana in the State.

Surat is the largest producer of Okra (Lady Finger) in Gujarat with a share of 19% of the total production.

The region contributes 10.39% to the total production of spices in Gujarat as it is the largest producer of turmeric and second largest producer of ginger and chilly in the State.

Source: Department of Agriculture, Government of Gujarat
Minerals

- Surat is the second largest producer of lignite in Gujarat.
- The district accounted for 19% (17,21,333 MT) of the total production (90,96,438 MT) of lignite in the State in 2005-06.
- It produced 1,23,809 MT of limestone in 2005-06.
- **Mineral-based industries in Surat**
  - Lignite-based Thermal Power Station
  - Roofing Tiles Factory
  - Stone Ware Pipes and Drainage Pipe Industry
  - Glass Factory

Source: Commissionerate of Geology and Mining, Government of Gujarat, 2005-06
There are 605 medium and large scale industries based in Surat district.

Most of the medium and large scale industries are concentrated in Choryasi taluka (West Surat) with 230 units followed by Mangrol (North Surat) and Mandvi taluka (Central Surat) with 131 and 116 units respectively.

Some of the major medium and large scale players present in Surat district are mentioned in Table 1.

**Table 1 : Medium and Large Scale Players in Surat**

<table>
<thead>
<tr>
<th>Name of Company</th>
<th>Taluka</th>
<th>Production</th>
</tr>
</thead>
<tbody>
<tr>
<td>Essar Power</td>
<td>Hazira</td>
<td>Naphtha</td>
</tr>
<tr>
<td>Indian Oil Corp. Limited</td>
<td>Choryasi</td>
<td>Motor Spirit, Naphtha, Diesel</td>
</tr>
<tr>
<td>Indian Oil Corp. Limited</td>
<td>Bhatpor</td>
<td>LPG</td>
</tr>
<tr>
<td>Krishak Bharti Cooperative Limited (KRIBHCO)</td>
<td>Hazira</td>
<td>Ammonia, NGL</td>
</tr>
<tr>
<td>Larsen &amp; Tubro</td>
<td>Hazira</td>
<td>LPG Equipment, Liquid Oxygen</td>
</tr>
<tr>
<td>National Thermal Power Corporation (NTPC)</td>
<td>Kavas,Hazira</td>
<td>Chlorine, Naphtha</td>
</tr>
<tr>
<td>Oil and Natural Gas Corporation (ONGC)</td>
<td>Bhatpor</td>
<td>LPG, Propine, ARN/NGL, Ethol Marcaptan</td>
</tr>
<tr>
<td>Reliance Industries Limited</td>
<td>Bhatpor</td>
<td>Benzine, LPG, Naphtha, Chlorine, EDC, EO, Ethylene</td>
</tr>
<tr>
<td>Indo Burma Petroleum Limited</td>
<td>Choryasi</td>
<td>MS, HSP, Naphtha, SKO</td>
</tr>
<tr>
<td>Essar Steel</td>
<td>Hazira</td>
<td>Liquid Oxygen, Aargon, C1.2</td>
</tr>
</tbody>
</table>

Source: Surat District Profile 2006-07

*Indicative List*
Map 4: Major Industry Players in Surat District *

* Indicative List

- Essar Power & Steel
- Indian Oil Corp. Ltd.
- KRIBHCO
- Larsen & Tubro
- NTPC
- ONGC
- Reliance Industries
- HPCL
- Indo Burma Petroleum Ltd.
- Garden Vareli
- Gujarat Hira House
- Cairn Energy
- British Gas
- ABG Shipyard
- Ambuja Cement
- Welspun
There are over 41,300 small scale industries (SSI) functioning in Surat district. Some of the main industries under SSIs in Surat are textiles, chemicals dying & printing, diamond processing, jhari (Silver) making, and engineering and related activities (manufacturing machineries & equipments).

Maximum number of SSI units (24,000 Units) are related to textile industry in the district followed by repairing & service industry with more than 11,000 units.

Most of the small scale industries are located at talukas such as Choryasi (Western Surat), Mangrol (Northern Surat), Olpad (Northern Surat), Mandvi (Central Surat) and Palsana (Southern Surat).

**Fig. 4 & 5 : Contribution of Sectors in SSI Units**

Source: Surat District Profile 2006-07
Industry Clusters

- Maximum number of SSIs, MSIs & LSIs are located in Choryasi taluka

Map 5: Medium and Large Scale Industry Clusters

Source: Surat District Profile 2006-07

SSI – Small Scale Industries
MSI – Medium Scale Industries
LSI – Large Scale Industries

Source: Surat District Profile 2006-07
Industry Investment Trends

- As per the Industrial Entrepreneur Memoranda (IEMs) filed, the total investments during 1988-97 were **INR 33,251 Crore** (USD 7.92 billion) and **INR 35,975 Crore** (USD 8.57 billion) between 1998-2007.

- Around 70% of the investments during 1998-07 have been contributed by engineering, electrical equipment, textiles, chemicals & petrochemicals sectors. However, major investments during 1988-97 were contributed by industries such as petrochemicals & refinery, rubber goods, textiles, metallurgical industry and infrastructure projects.

- Total 866 units were introduced during 1988-97, however during 1998-07 **1215 new units were introduced** with textile sector units having taken a lion’s share of **51%** in terms of new units established in last one decade.

*Fig. 6: Investments in 1988-97 Vs 1998-07 Comparative Data in Last Two Decades*

*Source: Industries Commissionerate, Government of Gujarat, 2007*
Investment Trends: 1988-97

- During 1988-97 petrochemical and refinery sector attracted maximum investments to the tune of **INR 11,886 crore** (USD 2.83 billion) contributing 36% to the total investments.

- Investments in textile industry were witnessed by 604 units accounting for INR 3,295 crore (USD 0.78 billion). Textile sector generated 88,612 jobs during 1988-97 contributing a share of 62% to the total jobs created.

- Infrastructure sector received a sizeable investment of INR 3,277 crore (USD 780 million).

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**Fig. 7**

Major Investments & Employment during 1988-97

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Machinery and engineering sectors attracted maximum investments of **INR 12,567 crore** (USD 2.99 billion), contributing 35% of the total investments.

Electrical equipments, textiles, and chemical sectors experienced an investment of **INR 4,991 crore** (USD 1.19 billion), **INR 3,823 crore** (USD 0.91 billion) and **INR 3,683 crore** (USD 0.88 billion) respectively.

Textiles, engineering and chemicals were the sectors generating highest employment contributing 31%, 11% and 7% of the total new jobs respectively.

Engineering, chemicals and textile sectors contributed to 61% of the new units established. Of them, textile sector has shown tremendous growth with emergence of 618 units.

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**Fig. 8 : Major Investments & Employment during 1998-07**
Investments in Pipeline

- A total of 78 MoUs amounting to INR 84,421 crore (USD 20 billion) of investments were signed for locations in Surat during Vibrant Gujarat : Global Investors Summit (VGGIS) hosted in the year 2003, 05 and 07.
- The sectors such as agro, ports, power, textiles, engineering and oil & gas attracted major investments.
- With an investment of INR 3,187 crore (USD 759 million), Gujarat State Electricity Corporation Ltd signed two MoUs in 2007 Summit for establishing 360 MW gas based power project at Utran and 500 MW coal based power project in Ukai regions.
- In addition, 38 MoUs were signed and 2 announcements were made during VGGIS 2007, involving an investment of INR 31,349 crore (USD 7.46 billion).
- During last three summits, 23 MoUs were signed in agro sector followed by engineering and power with 8 MoUs in each sector respectively.

Fig. 9: Number of MoU Signed (VGGIS 03, 05, 07)

Fig. 10: Sector wise MoUs Signed (VGGIS 03, 05, 07)

Economy Drivers

- The upgraded Surat airport is envisaged to offer direct air connectivity with important destinations in India and abroad. This is expected to boost commercial activities in the city as well as in the district, leading to an upsurge in the demand in hospitality sector, which is primarily driven by corporate tourism.

- Emergence of a petrochemical complex, a gems and jewelry Park and the centrally promoted Surat SEZ are expected to further fuel the industrial and economic growth of the city.

- The expansion plans of Hazira port is envisaged in two phases. The first phase envisions the development of port infrastructure to handle Liquefied Natural Gas (LNG) imports, and the second phase would offer port facilities for handling dry bulk and containerised cargo. The port facility would help in attracting sizeable investments in the times ahead.

Source: Indian Real Estate: Growth and New Destinations, FICCI and Ernst & Young, 2007
Industrial Locations/ Infrastructure
5 Special Economic Zones

- SURSEZ
- Surat Apparel SEZ
- Gems & Jewelry SEZ
- Essar Hazira SEZ
- Essar Power SEZ

4 Industrial Parks

- M/s Gujarat Eco Textile Park Ltd., Surat
- M/S Fairdeal Textile Park Ltd., Surat
- M/s Shri Laxminarayan Industrial Cooperative Service Ltd., Surat
- M/S Surat Super Yarn Park Ltd., Surat

16 Industrial Estates

- Valod
- Khatodara
- Bardoli
- Gaviyar-Meghdalla
- Olpad
- Hazira (GSPCL)
- Katargam
- Ichhapor Bhatpor (IOC)
- Apparel park
- Hazira
- Doshwada
- Pandesara
- Hazira (Reliance)
- Sachin
- Ichhapor Bhatpor
- Sachin (DGDCL)
## Special Economic Zones

### Table 2: SEZs in Surat

<table>
<thead>
<tr>
<th>Name</th>
<th>Location</th>
<th>Sector &amp; Area recommended by GoG (in hectares)</th>
<th>Status of Approval by GoI</th>
</tr>
</thead>
<tbody>
<tr>
<td>SURSEZ</td>
<td>Suvali, Surat</td>
<td>Multi-product 49.90 hectare</td>
<td>In-principle Approval in an area of 180 hectares</td>
</tr>
<tr>
<td>Surat Apparel SEZ</td>
<td>Vanj, Surat</td>
<td>Apparel 56.64 hectare</td>
<td>Operational SEZ prior to SEZ Act</td>
</tr>
<tr>
<td>Gujarat Hira Bourse</td>
<td>Ichhapor, Surat</td>
<td>Gems &amp; Jewellery 74 hectare</td>
<td>Notified in area of 73-87-97 hectares vide notification dated 3/07/07</td>
</tr>
<tr>
<td>Essar Hazira SEZ</td>
<td>Hazira, Surat</td>
<td>Engineering 267 hectare</td>
<td>Notified in area of 247-52-22 hectares vide notification No. 1628(E) dated 28/9/06</td>
</tr>
<tr>
<td>Essar Power SEZ</td>
<td>Suvali, Surat</td>
<td>Power 180 hectare</td>
<td>Operational SEZ prior to SEZ Act</td>
</tr>
</tbody>
</table>

### Table 3: Industrial Parks in Surat

<table>
<thead>
<tr>
<th>Name Of The Developer</th>
<th>Location</th>
<th>Park</th>
<th>Project Cost (USD million)</th>
<th>Status as in Dec. 2007</th>
</tr>
</thead>
<tbody>
<tr>
<td>M/s Shri Laxminarayan Industrial Cooperative Service Ltd, Surat</td>
<td>Khatodara</td>
<td>Textile Park</td>
<td>13.55</td>
<td>Upcoming</td>
</tr>
<tr>
<td>M/s Gujarat Eco Textile Park Ltd. Surat.</td>
<td>Palsana</td>
<td>Textile Park</td>
<td>27.06</td>
<td>Upcoming</td>
</tr>
<tr>
<td>M/S Fairdeal Textile Park Ltd, Surat</td>
<td>Mahuvej Ta.Magrol</td>
<td>Integrated Textile Park</td>
<td>29.04</td>
<td>Upcoming</td>
</tr>
<tr>
<td>M/S Surat Super Yarn Park Ltd. Surat</td>
<td>Hathura</td>
<td>Integrated Textile Park</td>
<td>25.29</td>
<td>Upcoming</td>
</tr>
</tbody>
</table>

**Source:** Industries Commissionerate, Government of Gujarat, 2007
### Table 4: Industrial Estates in Surat

<table>
<thead>
<tr>
<th>Industrial Estates</th>
<th>Area in Hectare</th>
</tr>
</thead>
<tbody>
<tr>
<td>Valod</td>
<td>1.13</td>
</tr>
<tr>
<td>Khatodara</td>
<td>3.07</td>
</tr>
<tr>
<td>Bardoli</td>
<td>4.71</td>
</tr>
<tr>
<td>Gaviyar-Meghdalla</td>
<td>15.34</td>
</tr>
<tr>
<td>Olpad</td>
<td>31.05</td>
</tr>
<tr>
<td>Hazira(GSPCL)</td>
<td>37.80</td>
</tr>
<tr>
<td>Katargam</td>
<td>38.33</td>
</tr>
<tr>
<td>Ichhapor Bhatpor (IOC)</td>
<td>40.00</td>
</tr>
<tr>
<td>Apparel park</td>
<td>54.96</td>
</tr>
<tr>
<td>Hazira</td>
<td>127.04</td>
</tr>
<tr>
<td>Doshwada</td>
<td>165.14</td>
</tr>
<tr>
<td>Pandesara</td>
<td>218.27</td>
</tr>
<tr>
<td>Hazira (Reliance)</td>
<td>437.50</td>
</tr>
<tr>
<td>Sachin</td>
<td>749.35</td>
</tr>
<tr>
<td>Ichhapor Bhatpor</td>
<td>836.08</td>
</tr>
<tr>
<td>Sachin (DGDCCL)</td>
<td>94.41</td>
</tr>
<tr>
<td>Nizer</td>
<td>5.62</td>
</tr>
</tbody>
</table>

Source: Gujarat Industrial Development Corporation, Government of Gujarat, 2007

Map 8: Industrial Estates in Surat
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 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 estates, hinterlands, markets and points of agricultural produce.

Source: Concept paper on DMIC (IL&FS), June 2007
**Table 5: Proposed Industrial Cluster in Surat – Navsari Industrial Area**

<table>
<thead>
<tr>
<th>Components</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Export Oriented Industrial Activities</td>
<td>Pharmaceutical, Textile, Gems &amp; Jewellery, Chemical &amp; Petrochemicals</td>
</tr>
<tr>
<td>Agro/Food Processing Hub</td>
<td>✓</td>
</tr>
<tr>
<td>IT/ ITeS/ Biotech Hubs</td>
<td>✓</td>
</tr>
<tr>
<td>Development of Surat Airport</td>
<td>✓</td>
</tr>
<tr>
<td>Logistics Hub</td>
<td>✓</td>
</tr>
<tr>
<td>Feeder Road Links</td>
<td>Augmentation of Surat-Hazira Linkage, Connectivity to NH-6 and NH-8</td>
</tr>
<tr>
<td>Feeder Rail Links</td>
<td>Served by Surat-Hazira Rail Link and with DFC at Vapi/ Vadodara Stations</td>
</tr>
<tr>
<td>Integrated Township</td>
<td>Residential, Commercial, Institutional/ Health, Transportation land use</td>
</tr>
</tbody>
</table>

**Surat-Navsari industrial area lies within 50 Km of the Dedicated Freight Corridor in southern Gujarat. This region is well connected by NH-8 and NH-6.**

Support Infrastructure
Road and Rail Connectivity

Road

- Surat is well connected to various locations through national and state highways.
- Connectivity to major industrial centers: NH-8 connects Surat with Mumbai (307 km), Delhi (1,034 km), Kolkatta (1,676 km), Chennai (1,371 km) and Hyderabad (824 km)
- Connectivity to other major cities: Jamnagar (549 km), Rajkot (461 km), Bhavnagar (447 km), Valsad (77 km), Ahmedabad (278 km), and Vadodara (167 km)

Rail

- Almost all the talukas of Surat are well connected with the rail network. Surat is well connected with Valsad, Vapi and Mumbai towards its south and with Bharuch, Vadodara and Ahmedabad in the north

Source: Surat District Profile, 2006-07 Government of Gujarat
Airports and Ports Connectivity

Air

- Surat has a domestic airport which is well connected to different metros. It has daily flights to Delhi, Jaipur, and Ahmedabad.
- Government of Gujarat has also undertaken aviation master plan for the state which prioritises development as well as upgradation of the Surat airport.
- Nearest airports are at Vadodara and Mumbai

Port

- Magdalla & Hazira Ports in Surat have good rail and road connectivity.
- Magdalla port is 2 Km away from the state highway and 15 Km away from NH-8.
- Hazira Port in Surat has close proximity to the high speed dual carriageway which is under construction. The port is well connected with main Mumbai – Ahmedabad - Delhi broad gauge railway line. The nearest airport is in Surat. The proposed Mumbai – Delhi Freight Corridor is expected to be a major driver for industrial growth of Hazira Port.

Source: Surat District Profile, 2006-07, Gujarat Maritime Board, Government of Gujarat
Surat has a well developed network of Sub stations and power stations in the district to cater to the need of electricity for industry and residential use.

- There are five 220 KV sub stations at different locations in the district at Sachin, Ichhapor, Kim, Vav and Bardoli.
- There are eight power stations in the district and one power station is proposed at Aakhakhol. One 132 KV sub station is in place at Bhestan.

Source: Gujarat State Electricity Board, Government of Gujarat, 2007
Gas Supply

- There are eight pipeline sections in the district. Mora-Sajod section is the longest segment with 36.22 kms length.
- The existing gas grid in the district is 113.85 kms long and the proposed length of the gas grid is 19.5 kms. The proposed gas grid will cover three sections i.e. ONGC – Olpad and Olpad - Utran Power Plant.

*Map 14: Surat Gas Network*

Source: Gujarat State Petroleum Corporation, 2007
Magdalla & Hazira Ports in Surat have **railway** and **road** connectivity.

Magdalla port is 2 Km away from the state highway and 15 Km away from NH-8.

Hazira Port in Surat has **close proximity to the high speed dual carriageway** which is under construction. The port is well connected with main Mumbai – Ahmedabad - Delhi broad gauge railway line. The nearest airport is in Surat. The proposed **Mumbai – Delhi Freight Corridor** is expected to be a major driver for industrial growth of Hazira Port.
Hazira Port: India’s New Trading Hub

- Hazira is known as the ‘gateway port’ to serve the hinterlands of north, west and central India as it is situated in the midst of one of the most industrialized areas in the country. It is a deepwater, all weather and direct berthing port.

- The existing industrial portfolio of Hazira includes industrial activities such as petrochemicals, fertilisers, heavy engineering, steel, energy and port related activities. More than 20 large and medium sized companies are located in Hazira, including Bharat Petroleum Corporation, Cairn Energy, Essar Power, Hindustan Petroleum and Larsen & Toubro, Reliance, NTPC among others.

- In 2004, Shell established an LNG Terminal at Hazira.

- In a recent development, Hazira Port Pvt. Ltd and PSA Ltd, Singapore have signed an Heads of Agreement for development of a Container Terminal at Hazira Port. A steel plant established by Essar Steel Ltd. in Hazira port is the largest steel manufacturing facility on the western coast of India.

Source: The Ports of Gujarat, Gujarat Maritime Board, 2005-06
Magdalla Port

- Magdalla is a **lighterage port**. The port is situated on the western coast of India in southern Gujarat. It is on the southern bank of river Tapti about 16 Km upstream the river.

- The state highway is 2 Km and NH – 8 is 15 Km away from Magdalla Port. The **nearest broad gauge** railway line and Surat railway station are 15 and 16 km away from Magdalla Port respectively. The port is well connected by road with Rajasthan, Madhya Pradesh, north Maharashtra which are hinterland areas to the port. The airport is 4 Km away from the port.

- The main cargo handled by Gujarat Maritime Board (GMB) jetty at Magdalla Port is **coal**.

- Essar Steel Ltd, Reliance Industries Ltd, Larsen & Toubro Ltd and Gujarat Ambuja Cement Co. Ltd have constructed captive jetties at Magdalla for import and export of their products.

- GMB is planning to develop a **common user berth** towards south of Essar jetty at Hazira. The location is falling under the administrative control of Magdalla Port. Fertilisers, soybean, groundnut, coal, general cargo, etc. can be handled at this proposed location.

Source: The Ports of Gujarat, Gujarat Maritime Board, 2005-06
Proposed Infrastructure Projects

Road Network

- The Government has proposed a Bus Rapid Transit System (BRTS), to enhance the connectivity in the city. Further, a canal corridor has been proposed to be built by 2010 which will provide the much needed east – west connectivity in Surat city.

- The proposed Outer Ring Road in Surat is envisaged to decongest the urban core traffic and is slated for completion by 2010.

- A multi layer flyover is being developed with an investment of INR 290 million and is likely to be completed by the end of 2008. Development of feeder road links is ongoing, connecting the industrial area with NHDP, DFC corridor and Hinterland.

Rail Network

- Development of feeder rail links to build a new broad gauge rail link between Surat (Gothangam) and Hazira.

Source: Indian Real Estate: Growth and New Destinations, FICCI and Ernst & Young, 2007
Proposed Infrastructure Projects

Port Projects

- A container terminal at an estimated cost of INR 15 billion is proposed at Hazira which is envisaged to facilitate imports and exports.

Infrastructure Projects

- Ahmedabad-based Bhagwati Banquets and Hotels Ltd has plans to invest INR 110 Crore for setting up a 180 room five star hotel on Dumas Road in Surat. Construction on the project has already commenced and is expected to become operational by December 2008.

Source: Indian Real Estate: Growth and New Destinations (FICCI and Ernst & Young), Industries Commissionerate, 2007
Social Infrastructure
Education

- Surat has many Medical, nursing, ayurvedic and physiotherapy colleges
- Technical colleges offering courses in chemical, civil, electrical, electronic and communication, information technology, production and mechanical engineering are also present in the district
- Institutes providing specialised courses in gems & jewellery and textile sector are also widely available to provide trained manpower for the industry
- **Indian Diamond Institute** provides different courses in diamonds, coloured gemstones and machine cast jewellery. Besides imparting training, it is also undertaking R & D and consultancy services
- **Man Made Textile Research Association (MANTRA)** has been established to carry out R & D, testing and technical service activities to the man-made fiber textiles industry. MANTRA also cater to the increasing quality control needs of growing man-made textiles industry in Surat

<table>
<thead>
<tr>
<th>Educational Institutes</th>
<th>Total</th>
</tr>
</thead>
<tbody>
<tr>
<td>Primary Schools</td>
<td>2587</td>
</tr>
<tr>
<td>Secondary Schools</td>
<td>542</td>
</tr>
<tr>
<td>Higher sec Schools</td>
<td></td>
</tr>
<tr>
<td>ITIs</td>
<td>30</td>
</tr>
<tr>
<td>Polytechnic</td>
<td>7</td>
</tr>
<tr>
<td>Pharmacy Colleges</td>
<td>6</td>
</tr>
<tr>
<td>Engineering Colleges</td>
<td>4</td>
</tr>
<tr>
<td>Medical Colleges</td>
<td>2</td>
</tr>
<tr>
<td>MCA Colleges</td>
<td>3</td>
</tr>
<tr>
<td>Management Colleges</td>
<td>4</td>
</tr>
<tr>
<td>Others *</td>
<td>25</td>
</tr>
</tbody>
</table>

Table 6: Educational Institutions in Surat

* *Arts, Commerce, Science, B.Ed & Law Colleges

Source: Surat District Profile 2006-07, Industries Commissionerate
Health

- Surat has a presence of specialised hospitals to provide a comprehensive range of tertiary and secondary care services backed by state-of-the-art technology and trained clinicians.
- There are 11 community and 50 primary health centers present in the district. 89 private hospitals are operational in Surat City.
- The city has some specialised hospitals for the treatment of life threatening diseases such as cancer and tuberculosis. Lions Cancer Detection Centre Trust at Surat has been providing specialised treatment to cancer patients since 1968.
- There are three TB hospitals present in Surat to provide best treatment facilities.

Source: Surat District Profile, Health and Family Welfare Department, 2007
Tourism
Tourism

- Surat accounted for 4.29% of the total tourist flow in Gujarat during 2006-07 and had shown a growth of 14.62% over the inflow of tourists during 2005-06.
- The district has various tourist destinations. It houses finely carved mosques, Parsi agiaris and European tombs. Famous Dumas beach is only 18 Km away from Surat City.
- Hazira beach is situated 28 Km from Surat. The pleasant Hazira beach is fringed by feathery 'Casurina' trees and has a comfortable holiday home for visitors.
- 90 Km from Surat is Ukai Dam built over river Tapi is a place worth-visiting.

Tourism

- Some of the renowned tourist destinations in Surat City are Surat Castle, Mughalsarai, Andrews Library, Sardar Vallabhbhai Patel Museum, Planetarium and the Europian tombs.

- Swaraj Ashram at Bardoli, Historical fort at Songadh, Water Fun Park on Hazira Road, Aquatic Water Park at Kamrej, and Joy n Joy Amusement Park at Dhopadapi on NH-8 are some of the nearby tourist spots from the city.

- The district has around 95 hotels including high, medium and economy class accommodation with total bed capacity of 4,993. Some of the 5, 4 and 3 star hotels in Surat are Holiday Inn, Hotel Golden, Lords Park Inn International, Central Excellency, Hotel Embassy, and Hotel Yuvraj.

Source: Annual Report (2006-07), Tourist Flow in Gujarat, TCGL, GoG
Investment Opportunities
Investment Opportunities

Agriculture
- Opportunities for setting up of sugar manufacturing units
- Cattle feed
- Wax related units

Textile
- Modern spinning with captive power generation
- Manufacturing of fabrics
- Modern energy efficient textile processing
- Technical textiles

Gems and Jewellery
- Diamond processing centre
- Gold refinery unit
- Assaying and hallmarking centre
- Studded jewellery
- Artisan training centre, technical education centers - design
Investment Opportunities

**Chemicals**
- Intermediary chemical manufacturing units
- Polymer downstream projects

**IT/ ITeS**
- Software development centers
- Business Process Outsourcing (BPO)
- Knowledge Process Outsourcing (KPO)
- Training & educational centers

**Power**
- Power Generation Plants:
  - Using thermal energy
  - Using non-conventional sources of energy

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

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Map 13: Surat Power Supply
Map 14: Surat Gas Network

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Annexure II : Abbreviations

**IEM** : Industrial Entrepreneur Memorandum  
**MoU** : Memorandum of Understanding  
**SSI** : Small Scale Industries  
**MSI** : Medium Scale Industries  
**LSI** : Large Scale Industries  
**VGGIS** : Vibrant Gujarat Global Investors Summit  
**GSECL** : Gujarat State Electricity Corporation Ltd  
**SEZ** : Special Economic Zone  
**LNG** : Liquefied Natural Gas  
**GIDC** : Gujarat Industrial Development Corporation  
**DMIC** : Delhi Mumbai Industrial Corridor  
**DFC** : Delhi Freight Corridor  
**GWSSB** : Gujarat Water Supply Sewerage Board  
**BRTS** : Bus Rapid Transit System