MEGA PROJECTS:
AVENUES FOR INVESTMENT IN GUJARAT
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<th>Table of Contents</th>
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<td>Blueprint for Infrastructure in Gujarat (BIG 2020)</td>
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Vision:
To make Gujarat a globally preferred place to live in and to do business through accelerated, balanced, inclusive and sustainable growth driven by robust social, industrial and physical infrastructure.
BIG 2020 agenda is created by the Government of Gujarat to plan **further economic development**; not just to seize future development opportunities available in India, but also globally.

Important sectors identified by the Government under the BIG 2020 agenda are

- Energy,
- Transportation,
- SEZs / investment regions,
- Urban infrastructure,
- Water,
- Tourism,
- IT & education
- Health and human resource development

### MAJOR PROJECTS ENVISAGED BY GOVERNMENT UNDER BIG 2020

<table>
<thead>
<tr>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Power Generation capacity of 31000 MW</td>
</tr>
<tr>
<td>Strong application of renewable energy/ solar power</td>
</tr>
<tr>
<td>Robust Natural Gas infrastructure in the State, across the Gas processing chain</td>
</tr>
<tr>
<td>Coal Gasification projects</td>
</tr>
<tr>
<td>Leveraging the Dedicated Freight Corridor (“DFC”)/ Delhi Mumbai Industrial Corridor (“DMIC”) opportunity</td>
</tr>
<tr>
<td>Gujarat International Finance Tech City (GIFT)</td>
</tr>
<tr>
<td>Bullet Train to connect Ahmedabad – Mumbai</td>
</tr>
<tr>
<td>Metro Rail Transportation project</td>
</tr>
<tr>
<td>Kalpsar project</td>
</tr>
</tbody>
</table>

**Source:** BIG 2020
<table>
<thead>
<tr>
<th><strong>KEY STRATEGIES DRIVING THE BIG 2020</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td>Securing the future energy needs of Gujarat’s growing economy</td>
</tr>
<tr>
<td>Accelerating industrialization by developing world class and globally competitive industrial infrastructure</td>
</tr>
<tr>
<td>Developing seamless, efficient and high speed integrated transport networks conforming to global standards</td>
</tr>
<tr>
<td>Becoming a major international player in sea freight logistics</td>
</tr>
<tr>
<td>Developing cities that are safe, efficient, clean and green, and offer a high quality of life</td>
</tr>
<tr>
<td>Ensuring safe, reliable and affordable drinking water across Gujarat, and provide stable water supply for agriculture</td>
</tr>
<tr>
<td>Making Gujarat a global tourist destination</td>
</tr>
<tr>
<td>Creating good healthcare infrastructure to achieve healthcare indices and to reach UMI benchmarks</td>
</tr>
<tr>
<td>Creating widespread network of educational institutions to make Gujarat a globally recognized knowledge society</td>
</tr>
<tr>
<td>Creating a network of post harvest agriculture infrastructure to ensure better access to markets</td>
</tr>
</tbody>
</table>

*Source: BIG 2020*
Total estimated investment of almost USD 200 Billion planned in Gujarat till 2020 to meet the BIG 2020 objectives

- GSDP of ~USD 107 Billion; Per Capita Income at ~USD 12615 (in PPP terms)
- Urbanization above 50%, Cities of Excellence and Integrated Township Policy to flourish
- Highest Per Capita Energy consumption in India and a trader of surplus power
- Sardar Sarovar project and Kalpsar project to solve water woes in the State
- Renewable energy, natural gas, waste disposal and waste treatment facilities to lead to a cleaner and greener Gujarat
- Strong social and industrial development to lead Gujarat to the top of the Human Development Index
- GIFT, Knowledge Corridors, Medical Townships and Tourism would all contribute in the holistic development and wealth generation of Gujarat
- Leveraging the DFC/DMIC, huge international investments to be attracted, major ports and roads to be of international standards and additional employment of ~3 Million generated

Source: BIG 2020
2. DELHI – MUMBAI INDUSTRIAL CORRIDOR (DMIC)
• DFC will cover an overall length of 1500 Km between Delhi and Mumbai
• Dedicated Freight Corridor (DFC) conceived to be a Multi-Modal High Axle Load Dedicated Corridor with end terminals at Dadri in the National Capital Region of Delhi and Jawaharlal Nehru Port near Mumbai
• Large scale infrastructure project being undertaken in close collaboration with Japan, at an approximated investment of USD 90 billion
• DFC to have a high-speed connectivity for High Axle Load Wagons (25 Tonne) of Double Stacked Container Trains supported by high power locomotives.

DMIC project is aimed at the development of futuristic industrial cities in India with strong economic base, which can compete with the best manufacturing and investment destinations in the world to activate local commerce, enhance foreign investments and attain sustainable development along the 1500 km long Dedicated Freight Corridor (DFC)
INDUSTRIAL DEVELOPMENT PROPOSED ALONG THE DMIC

1. **150 Km** on either side of the DFC is known as the Delhi Mumbai Industrial Corridor ("DMIC")

2. Almost **37%** of the stretch of DMIC will pass through Gujarat; covering almost **62%** area of the state

3. **6 Development Nodes** have been proposed in Gujarat which include **2** Investment Regions and **4** Industrial Areas

**IDENTIFIED DEVELOPMENT NODES IN GUJARAT**

- Palanpur – Mehsana Industrial Area
- Ahmedabad - Dholera Investment Region
- Vadodara - Ankleshwar Industrial Area
- Bharuch - Dahej Investment Region
- Surat - Navsari Industrial Area
- Valsad - Umbergaon Industrial Area

**LOCATION OF DMIC THROUGH GUJARAT STATE**
### ALLIED PROJECTS AND INVESTMENT OPPORTUNITIES

<table>
<thead>
<tr>
<th>PROJECT</th>
<th>ABOUT THE PROJECT</th>
<th>POSSIBLE OPPORTUNITIES</th>
</tr>
</thead>
</table>
| **Dahej Regional Eco – city** | An eco-city is being envisaged by the Government of Gujarat at Dahej, Bharuch in collaboration with a consortium of Japanese companies | • Desalination project and water supply  
• Waste water treatment and its distribution  
• Intelligent water systems  
• Eco transportation systems  
• Factory energy management system and solar generation (roof top) |
| **Sanand Eco – City**     | Another eco-city is planned to be developed by the Government of Gujarat at Sanand, Ahmedabad in collaboration with Mitsubishi Corporation of Japan | • BRTS & Electric Bus  
• Waste water treatment systems  
• Industrial solid waste management/Fee based incineration  
• Photo-voltaic (roof top) and Smart grid  
• Concentrated Solar Power (CSP) generation project |

Gujarat Infrastructure Development Board (“GIDB”) is the nodal body for all development projects concerning the DMIC and DFC in Gujarat.
<table>
<thead>
<tr>
<th>SECTOR</th>
<th>INVESTMENT (USD MILLION)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dholera SIR</td>
<td>18,086</td>
</tr>
<tr>
<td>Industrial Nodes &amp; SEZs in DMIC Areas</td>
<td>5,158</td>
</tr>
<tr>
<td>Road Connectivity</td>
<td>16,666</td>
</tr>
<tr>
<td>Rail Connectivity</td>
<td>879</td>
</tr>
<tr>
<td>Greenfield International Airport</td>
<td>500</td>
</tr>
<tr>
<td>Logistics Hub</td>
<td>800</td>
</tr>
<tr>
<td>Power</td>
<td>4,661</td>
</tr>
<tr>
<td>Urban Infrastructure including Metro</td>
<td>3,437</td>
</tr>
<tr>
<td>Hospitality &amp; Recreation</td>
<td>837</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td><strong>USD 51 Billion</strong></td>
</tr>
</tbody>
</table>

Source: BIG 2020
Government of Gujarat, the first state in India, has enacted a legal framework for the Special Investment Region (SIR) – The Gujarat Special Investment Region Act 2009. The SIR Act, inter alia, provides for the following matters: It enables the State Government to establish, develop, operate, and regulate the Special Investment Regions (SIRs) for further investments in the state.

- **An Special Investment Region (SIR) will have an area of more than 100 sq. Kms and an Industrial Area will have an area of more than 50 sq. Kms.**
- **Unique concept being developed proactively by Government of Gujarat to promote further investments in the state.**
- **Out of a total 13 proposed SIRs in the state, 7 have the notified SIR status:**
  - Dholera
  - PCPIR
  - Halol – Savli
  - Santalpur
  - Navlakhi
  - Aliyabet
  - Mandal – Bechraji

**SPECIAL INVESTMENT REGIONS IN GUJARAT**

- Notified SIRs
- Other Proposed SIRs
SIR ACT 2009 – CATALYST FOR DEVELOPMENT

REGULATORY & POLICY FRAMEWORK OF SIR ACT FOR DEVELOPMENT OF INVESTMENT REGIONS & INDUSTRIAL AREAS

1. Empowers the Government of Gujarat to declare and designate Investment Regions, Industrial Areas and Special Investment Regions (SIRs)

2. Enables the State Government to establish, develop, operate and regulate SIRs in the state

3. A four tier administrative mechanism has been set up for establishment, operation, regulation and management of the SIRs

4. The administrative mechanism comprises of an Apex Authority (GIDB), a Regional Development Authority (RDA) for each SIR, a Project Development Agency and project specific SPVs
GIDB is the apex organization with the Hon’ble Chief Minister acting as the chairman.

Acts as the single window system and the first contact for setting up any economic activity or amenity in the SIR.

RDA to address ground level issues of development & regulation.

The RDA will also make its own regulations for building, construction and development.

Gujarat Industrial Corridor Company (GICC) has already been established as a project development company for monitoring, supervising and implementing the projects related to DMIC within Gujarat.
<table>
<thead>
<tr>
<th>NAME OF THE SIR</th>
<th>AREA (SQ. KM)</th>
<th>PROPOSED INDUSTRIES</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dholera</td>
<td>879</td>
<td>Knowledge based industries (biotechnology, IT/ITES, education and training), light manufacturing (textiles, electronics, leather, toys, ceramic), engineering</td>
</tr>
<tr>
<td>PCPIR</td>
<td>453</td>
<td>Refinery downstream products, high performance chemicals, pigments and coating products, nanotechnology, bio-refineries, mineral resource based products</td>
</tr>
<tr>
<td>Halol-Savli</td>
<td>123</td>
<td>Engineering, automobile ancillaries, engineering plastics, electrical and electronics</td>
</tr>
<tr>
<td>Santalpur</td>
<td>186</td>
<td>Agro based (spices and seed processing, vegetable and fruit processing, dairy, cotton ginning), contract farming, solar power, logistics</td>
</tr>
<tr>
<td>Navlakhi</td>
<td>182</td>
<td>Ceramic, Engineering &amp; automobiles, Food Processing and Electronics, Textile, Chemicals and Petrochemicals</td>
</tr>
<tr>
<td>Aliyabet</td>
<td>169</td>
<td>Entertainment (eco zone, film city, amusement zone, golf course), aquaculture and marine engineering</td>
</tr>
<tr>
<td>Mandal – Bechraji</td>
<td>102</td>
<td>Auto, automobile ancillaries</td>
</tr>
</tbody>
</table>

Source: GIDC, GIDB
<table>
<thead>
<tr>
<th>Name of the SIR</th>
<th>Area (sq. Km)</th>
<th>PROPOSED INDUSTRIES</th>
</tr>
</thead>
<tbody>
<tr>
<td>Pipavav</td>
<td>147</td>
<td>Logistics based industries, Pre-Cast Structure, Textile (Only Spinning)</td>
</tr>
<tr>
<td>Changodar</td>
<td>319</td>
<td>Agro based, Steel &amp; Metal, Plastic, Pharmaceutical</td>
</tr>
<tr>
<td>Anjar</td>
<td>237</td>
<td>Port and port based industries, Mineral &amp; Agro based, Engineering</td>
</tr>
<tr>
<td>Okha</td>
<td>206</td>
<td>General manufacturing, Pharmaceutical, CRO, Biotechnology and Bio - pharma, Auto and Auto - Ancillaries, Mineral Based, Tourism</td>
</tr>
<tr>
<td>Simar</td>
<td>83</td>
<td>Engineering, Energy, Port and Port related activities, Food and Fish Processing, Cement</td>
</tr>
<tr>
<td>Viramgam</td>
<td>301</td>
<td>Automobile and Engineering, Healthcare, Pharmaceuticals and Fertilizers</td>
</tr>
</tbody>
</table>

Source: GIDC
**STATUS OF SIRS IN GUJARAT**

<table>
<thead>
<tr>
<th>Stage of Development</th>
<th>Dholera*</th>
<th>PCPIR</th>
<th>Halol – Savli</th>
<th>Santalpur</th>
<th>Aliyabet</th>
<th>Navlakhi</th>
<th>Mandal – Bechraji</th>
<th>Changodar</th>
<th>Pipavav</th>
<th>Okha</th>
<th>Simar</th>
<th>Anjar</th>
<th>Viramgam</th>
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<tr>
<td>Selection of Consultants</td>
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<tr>
<td>Preparation of Feasibility Report and Concept Plan</td>
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<td>RDAs Notification</td>
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<tr>
<td>Detailed Development Plan</td>
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<tr>
<td>EIA Study</td>
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<td>Operationalised</td>
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<thead>
<tr>
<th></th>
<th>Completed</th>
<th>Sent to Government</th>
<th>In Process</th>
<th>Under Progress</th>
</tr>
</thead>
</table>

* Studies as mentioned below have also been conducted at Dholera

1. Seismic Micro - Zonation Study
2. Water Vulnerability & Flood Protection Study
4. DHOLERA SPECIAL INVESTMENT REGION
Dholera SIR – A new Gujarat within Gujarat

- Dholera is situated in Ahmedabad district in the Gulf of Khambhat. It is covered by water faces on three sides, namely, on the east face by Gulf of Khambhat, on the north side by Bavaliari creek and on southern side by Sonaria creek.

- Strategically located, the Ahmedabad-Dholera industrial region lies within 100 km from the Dedicated Freight Corridor (DFC) in Central Gujarat.

- To develop Dholera Special Investment Region (SIR) as a global manufacturing and trading hub which is supported by world class infrastructure.

- The Development Plan of Dholera SIR to account the DMIC objectives and focuses towards creating and enabling environment to protect local industries, enhance investment climate, improve quality of life, upgrade human skills, create world class infrastructure and attract global investment.

Source: dholerasir.com
Dholera SIR – A new Gujarat within Gujarat

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- The Development Plan of Dholera SIR to account the DMIC objectives and focuses towards creating and enabling environment to protect local industries, enhance investment climate, improve quality of life, upgrade human skills, create world-class infrastructure and attract global investment.

**SALIENT FEATURES OF DHOLERA SIR**

- Airport & Sea Port in the vicinity
- Proximity to mega cities: Ahmedabad, Bhavnagar, Vadodara
- Close to Gujarat International Finance Tech City (GIFT)
- Close to Petroleum, Chemicals and Petro-Chemicals and Investment Region (PCPIR)
- Logistic support and impact of the DFC/DMIC

- High Access Corridor: City Center, Industrial, Logistic, Knowledge & IT, Recreation & Sports, Entertainment
- World-class infrastructure & connectivity
- Central spine express way & Metro Rail to link the SIR with mega cities

*Source: dholerasir.com*
## Determinants

<table>
<thead>
<tr>
<th>Determinants</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>Total Area (including 22 villages)</td>
<td>92,000 ha</td>
</tr>
<tr>
<td>Area outside CRZ</td>
<td>54,260 ha (≈58% of Total Area)</td>
</tr>
<tr>
<td>Area under CRZ (restricted development)</td>
<td>33,630 ha</td>
</tr>
<tr>
<td>Total Government land in the DSIR-already allotted</td>
<td>28,502 ha (about 37% of the total area)</td>
</tr>
<tr>
<td>Total Urbanizable area</td>
<td>33,846 ha</td>
</tr>
<tr>
<td>Total jobs</td>
<td>826,700</td>
</tr>
<tr>
<td>Industrial, Tourism &amp; other jobs</td>
<td>343,000</td>
</tr>
<tr>
<td>Support jobs</td>
<td>484,000</td>
</tr>
<tr>
<td>Supported population</td>
<td>2.5 million</td>
</tr>
<tr>
<td>Population living in DSIR</td>
<td>2.0 million</td>
</tr>
</tbody>
</table>

Source: dholerasir.com
OPPORTUNITIES IN DHOLERA SIR

- Industrial Parks, Townships and Knowledge Cities
- Metro Connectivity
- Central Spine and Multi Modal Transport Hub
- Eco – City Projects
- Dholera International Airport

Dholera SIR Intelligent, Efficient, Connected and Robust Infrastructure
Proposed to be strategically located between Ahmedabad and Dholera; and to serve the requirements of the SIR as well as the DMIC.

10,324 ha of land has been reserved for the greenfield project, with a Special Purpose Vehicle also established for development.

Opportunity to develop the airport and airstrip on a Public Private Partnership (“PPP”) basis; and to develop the surrounding regions in terms of civic infrastructure.

Opportunity to develop strong cargo handling facilities owing to vicinity of the airport to the industrial belt; and also to maintain and service the airport (MRO Hub).
5. PETROLEUM, CHEMICALS AND PETROCHEMICALS INVESTMENT REGION (PCPIR)
• **PCPIR** is a specifically **delineated Investment Region** planned by the Government for establishment of production facilities for **petroleum, chemicals and petrochemicals products**.

• Located at a distance of around 230 km south of Ahmedabad and 400 km north of Mumbai, near a city known as Bharuch, with an excellent access to entire North West Indian hinterland

• Spread over 453 sq km of brownfield area in the Gulf of Kambhat & close vicinity of other chemical estates and onsite chemical port terminal & LNG terminal, ONGC Petro additions Ltd (OPaL), a JV company promoted by Oil and Natural Gas Corporation (ONGC), Gas Authority of India Limited (GAIL) and Gujarat State Petroleum Corporation is the anchor tenant in the PCPIR

• The industrial SEZ in the PCPIR includes **petrochemical and downstream petrochemical industries, synthetic organic chemicals, Industrial gas producing industry, packaging industry, shipbuilding/fabricating unit and other small chemical industries**

Gujarat PCPIR Act 2009, enacted to provide for establishment, operation, regulation and management of large size Investment Regions with an area of over 100 sq km. These areas will be supported by world class infrastructure, civic amenities, centers of excellence and pro-active policy framework
PCPIR: LOCATION

**LOCATION OF PCPIR**

<table>
<thead>
<tr>
<th>Location</th>
<th>Dahej in Bharuch district, South Gujarat</th>
</tr>
</thead>
<tbody>
<tr>
<td>Area</td>
<td>453 sq. km.</td>
</tr>
<tr>
<td>Focus Sector</td>
<td>Chemical &amp; Petrochemical</td>
</tr>
<tr>
<td>Investment Already Made &amp; Committed in Manufacturing</td>
<td>INR 1,414.43 Billion (USD 23.57 Billion)*</td>
</tr>
<tr>
<td>Infrastructure Development</td>
<td>INR 109.94 Billion (USD 1.83 Billion)*</td>
</tr>
</tbody>
</table>

Major business conglomerates having their facility includes, **Indian Petrochemicals Corporation Limited (IPCL)**, **Petronet LNG** and **Gujarat Chemical Port Terminal Company Limited (GCPTCL)**

*1 USD=60 INR*
NCPIR: UNIQUE SELLING PROPOSITION

- Natural Resource Abundance
- Export Promotion Measures
- Robust Infrastructure
- Industry Supportive Features
- Waste Management Technique
- Legal Framework

**Natural Resource Abundance**
- Concentration of Petroleum, Chemical and Petrochemical estates across the district
- Rich natural resources and feedstock availability

**Export Promotion Measures**
- Chemical port terminal and chemical storage facility at Dahej

**Robust Infrastructure**
- LNG Terminal; Liquid Fuel Jetty; and Solid Cargo Jetty
- Four-lane Dahej-Bharuch State Highway
- Airports at Ahmedabad, Vadodara and Surat
- Delhi – Mumbai Broad Gauge railway line; Bharuch - Dahej rail line
- Two 220 KV Power sub-stations at Dahej and Vilayat; three 66KV sub-stations at Dahej, Luna and Vilayat
- Water supply by GIDC and GWSSB; Gas supply by GGCL

**Industry Supportive Features**
- Notified and Operational Dahej SEZ; Formally Approved Ceramic SEZ at Jhagadia; and Notified Jubilant Infrastructure Ltd. SEZ
- Quality work force. Peaceful labor. Least man days lost

**Waste Management Technique**
- Effluent disposal pipelines
- Common effluent treatment plants and solid waste disposal sites

**Legal Framework**
- Gujarat SIR Act, 2009
- Gujarat SEZ Act, 2004
- Notified Area Authority under GIDC Act, 1962
- Gujarat Town Planning & Urban Development Act, 1976
- Gujarat Infrastructure Development Act, 1999
PRESENT PCPIR ADVANTAGE

- Strong platform for all players of the petroleum, chemicals and petrochemicals sectors
- Robust infrastructure in terms of road, rail and port connectivity, power supply, gas grid, and industrial water supply system
- Vicinity to a number of ports including a Chemical Port and a LNG Terminal
- Pollution control measures - effluent disposal pipelines and solid waste disposal sites

Existing industrial units employ over 28,000 persons in Dahej PCPIR
- OPaL is investing almost INR 195.35 Billion (USD 3.26 Billion)* in the construction of a world class 1.1 MMTPA multi-feed cracker in the SEZ
- The investment made by OPaL till July 2013 stands at almost INR 151.23 Billion (USD 2.52 Billion)*
- Abundant skilled manpower in the petroleum and chemicals sectors available in Gujarat

*1 USD=60 INR
PCPIR Welfare Society, registered under the Societies Registration Act formed

GIDC charges an additional amount of INR 15 per sq. meter of industrial plot allotted - An amount of INR 370 Million (USD 6.17 Million) so far collected

PCPIR Society Sponsors more than 350 land losers towards INR 1500 monthly stipend and tuition fees of INR 15,700 per year for technical training through 3 Skill – Upgradation Centers

PCPIR Welfare Society to modernize Pakhajan Primary Healthcare Center at a cost of INR 5.5 Million (USD 92,000)
GIDC is operating a water supply scheme set up at a cost of INR 80 Million (USD 1.33 Million) to supply potable water to 5 villages in Dahej area

Dahej Health & Welfare Society registered to set up a 50-bed modern Hospital at Dahej at a cost of INR 180 Million (USD 3 Million)
Society has sanctioned INR 17 Million (USD 0.3 Million) towards building toilets in 16 PCPIR villages of Vagra Taluka

INR 3.5 Million (USD 58,000) sanctioned by GIDC for construction of a model police station in Dahej. Land allotted free of cost Model anganwadi-cum-livelihood centers to be built by GIDC in all the 44 villages of the PCPIR.
• **Dahej SEZ Limited**, a joint venture company of GIDC and ONGC, has developed a 1,719 hectare multi-product SEZ

• ONGC Petro additions Ltd (OPaL) is investing **INR 195.35 Billion (USD 3.26 Billion)*** in a world scale 1.1 MMTPA multi-feed cracker in the SEZ. Construction has already commenced

• The investment made by OPaL till July 2013 is **INR 151.23 Billion (USD 2.52 Billion)***

• ONGC has set up C2/C3 extraction plant at Dahej – construction completed. Investment is about **INR 10 Billion (USD 166.66 Million)***

*1 USD=60 INR
MAJOR UNITS IN PCPIR

COMMISSIONED PROJECTS

PROJECTS UNDER IMPLEMENTATION

Source: GIDC
be created in the upcoming units along with **90,000** indirect job opportunities

- Development of jetty for handling **Over Dimensional Cargo (ODC)**, development of **Marine Shipbuilding Park (MSP)** and **LNG Port Expansion** planned
- **Greenfield airport** for PCPIR proposed to come up in the near future

- **Delhi – Mumbai Dedicated Freight Corridor (DFC)** to touch the PCPIR on the eastern side
- **2640 MW** coal based power plant being constructed in the region
- Strong Socio – Economic development work of the adjoining area in terms of healthcare, sanitation and water supply facilities has already been started
6. INDUSTRIAL PARKS
• Gujarat Industrial Policy 2003 (10/6/2004) first recognized development of Industrial Parks in the state
• 52% of the parks (14) are Industrial Parks and 33% are Textile Parks (9); One Pharmaceutical Park is also located in Gujarat
• Majority of these parks are located in Ahmedabad (7), followed by Surat (5) and Vadodara district (5)

26 Industrial Parks developed so far in Gujarat under the 2003 Industrial Policy

Source: Industries Commissionerate, Government of Gujarat; GIDC
MAJOR INDUSTRIAL PARKS DEVELOPED IN GUJARAT UNDER THE GUJARAT INDUSTRIAL POLICY 2003

Textile
- Sayan Textile Park
- RJD Integrated Textile Park Ltd.
- Vraj Integrated Tex Park Ltd.
- Surat Super Yarn Park Ltd.
- Fairdeal Tex Park Pvt. Ltd

Pharmaceutical
- Gujarat Pharmatechno Park

Industrial Parks
- Balda Industries Ltd.
- Sai Enterprise
- Devraj Infra Ltd.
- Damanganga Industrial Park
• Scheme for financial assistance to Industrial Parks on PPP declared as part of **Industrial Policy 2009**

• After the Scheme for Financial Assistance to Industrial Parks for **Link Infrastructure** (amendment under GR dated 20/10/2011) was introduced, **33 Parks** have received In – principle approval so far

<table>
<thead>
<tr>
<th>Parameters</th>
<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>No. of Industrial Units</td>
<td>5812</td>
</tr>
<tr>
<td>Project Cost (INR Billion)</td>
<td>45.23</td>
</tr>
<tr>
<td>Employment (Direct + Indirect)</td>
<td>176733</td>
</tr>
<tr>
<td>Approved Link Infrastructure Cost (INR Billion)</td>
<td>8.23</td>
</tr>
</tbody>
</table>

• As a new Industrial Park Scheme (26/2/2013), the Scheme for **Assistance to Manufacturing Sector** has been introduced for developing Industrial Parks in five focus sub – sectors

• These five sub – sectors include: **Auto and Auto components**, **Solar and Wind Equipment Manufacturing**, **Specialty and Fine Chemicals**, **Electronic System Design and Manufacturing (ESDM)**; and **Food and Agro Business**

• The Industrial Park should be suitable for setting up minimum 25 industrial units in at least 100 acres; for **Food and Agro Business**, the Park should be suitable for setting up minimum 25 units in at least 50 acres

• In terms of financial assistance, the Industrial Park/ Estate will be provided an amount up to **INR 20 Crore (USD 3.4 Million)** for **Core Infrastructure**

• 3 Parks have received In – principle approval under this Scheme for **Assistance to Manufacturing Sector** so far

**Source:** Industries Commissionerate, Government of Gujarat; GIDC
SCHEME FOR FINANCIAL ASSISTANCE TO INDUSTRIAL PARKS FOR LINK INFRASTRUCTURE (UNDER GR DATED 20/10/2011)

OBJECTIVE OF SCHEME

• To identify the need to promote and encourage Industrial Parks by Private Institutions which aim at upgrading and improve the state of the Park

QUANTUM OF ASSISTANCE

• Industrial Park/ Estate will be provided an amount up to INR 10 Crore (USD 1.7 Million) for Link Infrastructure
• Developer of the park will be eligible for exemption from payment of stamp duty on purchase of land for the park *. Whereas the units in the industrial park will be eligible for 50% exemption of stamp duty

LINK INFRASTRUCTURE

• The park will be required to have minimum internal infrastructure facilities; the support will be only for Link Infrastructure which includes:
  • Road (incl. toll-road), bridges, runways and other air port facilities
  • Transmission or Distribution of power by laying a network of new transmission or distribution lines of electricity
  • Telephone lines, telecommunications network
  • Pipelines for water, crude oil, slurry, waterways, port facilities, waste water/ solid waste pipelines
  • Railway tracks, signaling systems
  • Canal networks for irrigation, sanitation or sewerage and waste/solid waste, water pipe line
  • Gas Pipeline

CONDITIONS

• The Industrial Park should be suitable for setting up minimum 30 industrial units in at least 100 acres
• Expansion or modification/ modernization of existing parks shall not be eligible

* Subject to approval of SLAC

Source: Industries Commissionerate, Government of Gujarat; GIDC
INDUSTRIAL PARKS (IN – PRINCIPLE APPROVED) UNDER SCHEME FOR FINANCIAL ASSISTANCE TO INDUSTRIAL PARKS FOR LINK INFRASTRUCTURE (UNDER GR DATED 20/10/2011)

**Food and Agro**
- Satyesh Developers LLP
- NG Reality
- Bhadresh Trading Corporation Ltd.
- BTC Cashkot Industries Ltd.
- Narmada Industrial Park Pvt. Ltd.
- Aavakar Industrial Park Pvt. Ltd.
- Ambience Industrial Park Pvt. Ltd.
- Teasal Agritech Pvt. Ltd.

**Pharma, Chemicals and Petrochemicals**
- Aavakar Industrial Park Pvt. Ltd.
- Narmada Industrial Park Pvt. Ltd.
- Adharbhat Industrial Park Pvt. Ltd.
- Ample Industrial Park Pvt. Ltd.
- Anemone Agritech Pvt. Ltd.

**Engineering, Foundry and Automotive**
- Makson SEZ Pvt. Ltd.
- Shamrock Chemie Pvt. Ltd.
- TDT Infra Pvt. Ltd.
- Madhukar Infrastructure Developers Pvt. Ltd.
- Sky India Infrastructure Pvt. Ltd.
- Satyesh Realty LLP
- NG Reality Pvt. Ltd.
- Bhadresh Trading Corporation Ltd.
- BTC Cashkot Industries Ltd.
- Eco Green Industrial Park Pvt. Ltd.
- Jambusar Industrial Park Pvt. Ltd.
- Horizon Industrial Park
- Damanganga Industrial Park
- Green Field Industrial Park Pvt. Ltd.
- Ratnakar Estate Developer
- Surendranagar Fasteners Manufacturer Association
- T. Poddar Infra Developer Ltd.
- Ahmedabad Foundry and Engineering Cluster

**Pulp and Paper**
- Bharuch Industrial Park Pvt. Ltd.

**IT Related**
- Satyesh Infrastructures LLP

**Ancillary Unit**
- EMV Infra Project Ltd.
<table>
<thead>
<tr>
<th>Sr. No</th>
<th>Name of Park</th>
<th>Name of Sector</th>
<th>District</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Gujarat Agro Infrastructure Mega Food Park</td>
<td>Food and Agro</td>
<td>Surat</td>
</tr>
<tr>
<td>2</td>
<td>Radha Madhav Eco Industrial Park</td>
<td>Auto and Auto Component, Specialty and Fine Chemicals, Electronics and System Design (ESDM)</td>
<td>Valsad</td>
</tr>
<tr>
<td>3</td>
<td>Sarthi Industrial Park Pvt. Ltd.</td>
<td>Auto and Auto Component</td>
<td>Ahmedabad</td>
</tr>
</tbody>
</table>
7. Special Economic Zones (SEZs)
• **57 SEZs** in Gujarat covering an area of almost 35,000 hectares

• **Out of 57 SEZs, 15 SEZs in Gujarat are operational** including 3 Functional SEZs (before the SEZ Act) and 12 Notified and Operational SEZs

• SEZs promote a multitude of sectors such as Port based industries, Multiproduct SEZs, Apparels, Pharma & Biotechnology, Engineering, Power, Gems & Jewellery and IT

![](image)

**STATUS OF SEZ’S IN GUJARAT**

- Functional SEZ before enactment act
- Notified and Operational*
- Notified SEZs
- Formally approved SEZs
- In - principle approved SEZs

* SEZ is considered Notified and Operational after LOA has been issued by GoI to the units in SEZs; and the SEZ has commenced exports

• SEZs in Gujarat cover an area of almost **50% of the total area under SEZs in India**

• Total value of exports from all SEZs in Gujarat stood at **INR 2432.20 Billion (USD 40.5 Billion)** during 2013-14 and at almost **INR 2442.12 Billion (USD 40.7 Billion)** during 2012-13

**Source:** Development Commissioner, Government of India
15 Operational SEZs in Gujarat include 6 Multiproduct SEZs, 2 Engineering SEZs, 2 Apparel SEZs and 1 each in Electronics, Gems & Jewellery, IT & ITeS, Pharma and Non Conventional Energy sector.

Surat Apparel park and SUR SEZ were one of the first few SEZs in the state.

Adani Port & SEZ has the largest area of 6454 hectares, followed by Kandla Port Trust having 5000 hectares.

Dahej SEZ has been awarded 25th rank globally by fDi Magazine’s Global Free Zone of the Future in the year 2012–13.

GIFT SEZ is a Financial Services Sector, Multi – Services SEZ being developed in Gandhinagar. The SEZ will serve as a global financial hub for international as well as domestic financial services.
SECTOR – WISE MAJOR SEZS IN GUJARAT

**Multi Product**
- Kandla SEZ
- SUR SEZ
- Reliance Infrastructure Ltd.

**IT / ITeS**
- TATA Consultancy Services Ltd.
- Adani Township & Real Estate Co. Pvt. Ltd.
- L & T IT SEZ
- SGV Infrastructure
- Myron Realtors
- Calica Construction and Impex Pvt. Ltd.
- Aqualine Properties
- Ganesh Infrastructure Pvt. Ltd.

**Pharmaceuticals**
- Zydus Infrastructure Pvt. Ltd.
- CPL Infrastructure Pvt. Ltd.
- Dishman Infrastructure Ltd.
- OPGS Power Gujarat

**Chemicals**
- Biotor Industries Ltd.
- Jubilant Infrastructure Ltd.

**Engineering**
- Aspen Infrastructure Ltd.
- HBS Pharmaceuticals Ltd.

**Other Sectors**
- GIFT SEZ Ltd.
- Electronic SEZ GIDC
- Euro Multivision
- Biotech Savli SEZ
- Gujarat Hydrocarbon and Energy SEZ
- Adani Port and SEZ
- Ceramic SEZ
- GGDCL
- Asia Pacific Corporation Ltd.
- LMJ Warehousing Pvt. Ltd.
- Plastene Infrastructure Ltd.
- Awash Logistic Park

Textiles & Apparels
- Surat Apparel Park
- Ahmedabad Apparel Park
Administrative Structure for SEZs

**Central Government**
- Ministry of Commerce and Industry
  - Board of Approval: Approve establishment and operations of SEZ
  - Development Commissioner: Monitoring and Unit Approval

**State Government**
- Industries and Mines Department
  - SEZ Development Authority: To Secure planned development for the promotion and functioning of SEZs
  - Industries Commissioner: As a Member Secretary
  - Development Committee: Monitoring and Plan Approval

**SEZ**
- Developer: Develop and maintain SEZ
- Co-Developer: Provide infrastructure facilities

Investor Friendly State Level SEZ Policies

- **Single window clearance** for State level approvals
- Exemption from **State VAT, Stamp Duty, Electricity Duty** and other levies as extended by the respective State Governments
8. GUJARAT INTERNATIONAL FINANCE TECH CITY (GIFT)
Conceptualized to be the first Financial Services Special Economic zone in the country

Proposed to have smart mobility services, green buildings and intelligent waste management systems

World Class architecture to define this City of the Future

Strategically located to provide an unmatchable platform for the financial and IT sectors
**DEVELOPMENT STRUCTURE AND OPPORTUNITIES**

**Gujarat International Finance Tech City Limited** has been incorporated to develop GIFT City on a PPP basis.

<table>
<thead>
<tr>
<th>Gujarat Urban Development Company to take the lead in the development of the project</th>
</tr>
</thead>
<tbody>
<tr>
<td>Tremendous opportunities to develop business parks, residential areas, urban infrastructure and all ultra modern amenities in the coming future</td>
</tr>
</tbody>
</table>

Unique Greenfield project poised to become a symbol of pride for Gujarat in the years to come.

GIFT CITY TODAY  
GIFT CITY TOMORROW
India’s first Globally benchmarked SEZ for Financial Services, GIFT, aspires to cater to India’s large financial services & IT/ITeS potential by offering global firms a world-class infrastructure and facilities

- GIFT aspires to capture a 8% to 10% of financial Services & IT/ITeS sectors in India
- Multi Service SEZ with International Financial Service Centre (IFSC) Status
- Creation of 1 million direct and in-direct jobs

- Strategically located in Gandhinagar at a distance of around 12 km from Ahmedabad International Airport
- About 3,000 acres earmarked for GIFT Expansion Zone
- Integrated Townships to be developed in surrounding development zone that will house educational institutes, International Schools, specialized hospitals, hotels and clubs

- Integrated infrastructure for better diversity
- Technology ensuring energy conservation
- SMART Transportation
- District Cooling System
- Automated Waste & Water management system

- Power Control Centre with a reliability of 99.999% which means outage of 5.3 minutes/annum
- Leading-edge, secure & resilient and cost-effective ICT infrastructure
- City command and Control Centre for Immediate Emergency Response

- Two commercial towers aggregating to ~1.2 mn sq.ft. of BUA has been completed
- GIFT Tower One is operational
GIFT: INVESTMENT OPPORTUNITIES

BUSINESS OPPORTUNITIES IN GIFT

INFRASTRUCTURE DEVELOPMENT & SOCIAL FACILITIES:
• District Cooling System
• Power Generation & Distribution
• Multi level Parking Complex
• Water body with entertainment facilities
• Hotels & Clubs
• Social Amenities - Hospital and Mall

REAL ESTATE
COMMERCIAL AND RESIDENTIAL HIGH-RISE BUILDINGS IN SEZ AND NON-SEZ AREA:
• International & Domestic Enclaves: Banking, Insurance, Technology, Corporate, Exchange

SETTING UP UNITS OF FINANCIAL SERVICES, BPO, KPO, IT/ITES AND CAPITAL MARKETS & TRADING


“What needs to be done on a Macro basis for our country is to have a Urban Infrastructure, I think we are seeing it, GIFT City is Fantastic”
Aditya Puri MD & CEO – HDFC Bank

“Gujarat has taken a big step in the form of creating infrastructure and the quality of work place that is required in the form of GIFT”
Chanda Kochhar MD & CEO – ICICI Bank

“The initiative of GIFT shows the positive approach on the FDI (Foreign Direct Investment)”
Rt. Hon. Patricia Hewitt Chair- UK India Business Council
9. SECTOR SPECIFIC OPPORTUNITIES AS ENVISAGED BY THE BIG 2020 AGENDA
GOALS FOR ROAD SECTOR IN GUJARAT

- High speed connectivity between all major centers
- Total of 46,702 Km of Road Projects are needed at an estimated cost of almost INR 734 Billion (USD 12.2 Billion)
- Ensuring all weather connectivity to all villages
- Maximizing the benefit from the DFC/DMIC
- Meeting international standards in terms of road design and road side development
- Ensuring highest safety and high riding quality

Gujarat State Road Development Corporation Ltd. has several ongoing and upcoming projects to strengthen the state’s road network.
• Over 95% of Surfaced Roads in Gujarat, as compared to India’s 57%
• About 98.8% of Gujarat’s villages connected by motorable roads
• An investment of almost INR 267 Billion (USD 4.5 Billion) has been planned to develop road connectivity in Gujarat and to leverage the potential thrown up by the DFC/DMIC
• A total length of almost 3300 Km of road network planned to be developed by 2020

Source: Roads & Buildings Dept, Govt. of Gujarat; and BIG 2020
• DMIC/DFC Projects comprise around 33% cost of the total estimated project shelf
• Huge participation needed from the private sector to fulfill the aims for road development in Gujarat
• PPP Project will comprise of annuity based projects, BOT-VGF, DFC/DMIC and some growth centers connectivity projects
• Almost 54% of estimated project investment is to be funded by PPP
TRANSPORT NAGAR/ TRUCK TERMINAL

- Unique concept envisaged to provide parking facility for trucks and other allied transport services like loading/unloading of regional freight through different modes of transport.
- Will eliminate the traffic woes arising within the city because of truck movement/parking, loading/unloading instances etc.
- Vadodara, Ahmedabad, Jamnagar and Bhavnagar poised to be destinations for these terminals.

LOGISTIC PARKS

- Allied development with the DMIC/DFC.
- 3 logistics parks proposed at Ahmedabad, Bharuch/Surat and Baroda. The park as Ahmedabad and Bharuch will be large logistics park whereas at Baroda it will be medium sized.
GOALS FOR RAILWAYS SECTOR IN GUJARAT

- Total of 54 Railway Projects identified at an estimated cost of almost INR 856 Billion (USD 14.3 Billion) by 2020
- Strengthen connectivity of Gujarat ports and industrial areas to DFC/DMIC
- Create high quality efficient and fast passenger services
- Provide rail services on demand from all growth centers of the state
- Focus on multimodal transport projects to improve logistical movement
- An investment of almost INR 663 Billion (USD 11 Billion) is estimated for the Bullet Train Project

Source: BIG 2020
OPPORTUNITIES IN RAILWAYS IN GUJARAT

- **37% of the DFC** to pass through Gujarat
- Four of the planned nine interchange junctions within the DFC will lie in Gujarat
- **Innovative projects** such as the Bullet Train project and the Metro Link project also envisaged

## UPCOMING PROJECT OPPORTUNITIES IN RAILWAYS SECTOR IN GUJARAT

<table>
<thead>
<tr>
<th>TYPE OF PROJECT</th>
<th>STRETCH OF PROJECT</th>
</tr>
</thead>
</table>
| Meter Gauge to Broad Gauge Conversion  | • Bhuj – Gandhidham Section  
• Veraval – Junagadh – Rajkot Section  
• Malia Miyana – Dahinsara – Wankaner Section  
• Surendranagar – Dhola – Rajula – Pipavav Section  
• Dhola – Bhavnagar Section  
• Viramgam – Mehsana Section with BoT  
• Mahesana – Patan Section |
| Additional Broad Gauge Track           | Godhra – Dahod Section                                                             |
| Development of Missing Link            | • Kapadvanj – Modasa  
• Patan – Bhildi                                                                      |
| Gauge Conversion Project               | • Gandhidham – Palanpur  
• Bhildi – Samdari  
• Bharuch – Dahej                                                                     |
| Establishing New Line                  | • Hazira Port Connectivity  
• Bhimnath – Dholera new Rail Link                                                   |

Source: GIDB
• **42 operational Ports** scattered all over Gujarat’s 1600 Km long coastline; this includes 41 minor ports and 1 major port
• Development of the DFC/DMIC will promote development of ports in terms of cargo handling capacity and connectivity to industrial areas
• Till 2020, an investment of almost **INR 1200 Billion (USD 20 Billion)** is estimated under almost 146 port and port related development projects
• Container terminal development, greenfield port development and LNG terminal development are key identified areas for the future

source: BIG 2020
<table>
<thead>
<tr>
<th>PORT</th>
<th>CAPACITY ADDITION (MMTPA)</th>
<th>APPROXIMATE PROPOSED INVESTMENT</th>
<th>TYPE OF PROJECTS</th>
</tr>
</thead>
<tbody>
<tr>
<td>Mundra</td>
<td>228</td>
<td>INR 204 Billion (USD 3.4 Billion)</td>
<td>Container terminal development, Development of new basin for solid and liquid cargo (especially coal), installation of new SBM, construction of LNG terminal</td>
</tr>
<tr>
<td>Pipavav Port &amp; Shipyard</td>
<td>102</td>
<td>INR 104.5 Billion (USD 1.7 Billion)</td>
<td>Construction of New jetty to Handle container and Solid cargo and shipyard project</td>
</tr>
<tr>
<td>Mojap</td>
<td>10</td>
<td>INR 70 Billion (USD 1.2 Billion)</td>
<td>Development of Shipyard</td>
</tr>
<tr>
<td>Maroli</td>
<td>38</td>
<td>INR 60 Billion (USD 1 Billion)</td>
<td>Development of greenfield port facility for solid and liquid cargo</td>
</tr>
<tr>
<td>PORT</td>
<td>CAPACITY ADDITION (MMTPA)</td>
<td>APPROXIMATE PROPOSED INVESTMENT</td>
<td>TYPE OF PROJECTS</td>
</tr>
<tr>
<td>--------------</td>
<td>--------------------------</td>
<td>---------------------------------</td>
<td>---------------------------------------------------------------------------------</td>
</tr>
<tr>
<td>Hazira &amp; Magdalla</td>
<td>55</td>
<td>INR 68 Billion (USD 1.1 Billion)</td>
<td>Development of Container terminal, Solid jetty, LNG capacity and SBM</td>
</tr>
<tr>
<td>Positra</td>
<td>6</td>
<td>INR 50 Billion (USD 833 Million)</td>
<td>Development of greenfield port facility for solid, liquid and container cargo</td>
</tr>
<tr>
<td>Porbandar</td>
<td>15</td>
<td>INR 48 Billion (USD 800 Million)</td>
<td>Development of solid terminal with maritime city and SBM</td>
</tr>
<tr>
<td>Sikka</td>
<td>34</td>
<td>INR 30.5 Billion (USD 508 Million)</td>
<td>Expansion of existing capacity for liquid cargo through new SBMs and liquid as well as multipurpose jetty</td>
</tr>
</tbody>
</table>
PORT DEVELOPMENT OPPORTUNITIES IN GUJARAT

MARITIME CLUSTER

- Feasibility study already being conducted for the development of a Maritime Cluster in Gujarat
- Would promote not just port development, but also the development of allied industries such as shipping, chartering and maritime finance
- Cluster planned to be developed on a PPP model, thus throwing up vast opportunities for private players across the maritime sector

MARITIME UNIVERSITY

- Maritime University being envisaged to provide quality and focused maritime education, catering to needs of Indian Maritime University
- Industry support solicited for the same in terms of capital to establish the university, construction and development of the university and sharing industry experience with the affiliates of the university
LNG TERMINALS – FACILITATING INDIA’S ENERGY IMPORTS

- Two operational LNG Terminals at Dahej and Hazira, having a capacity of 13 MT
- India’s first floating LNG terminal to be developed at Amreli
- Floating Terminal to be All Weather Direct Berthing Port Terminal facility with 2 Breakwaters, costing around USD 691 Million
- Two more LNG terminals being developed at Mundra and Pipavav having a combined capacity of ~8 – 10 MT
- Strong Support from the State via the LNG Terminal Policy
- Opportunity to also invest in the gas storage and transmission requirements generated by these terminals
POWER SECTOR IN GUJARAT

Existing Total Power Generation capacity is 18270 MW; with further addition of 10770 MW envisaged till 2017

Power generation carried out using Coal, Lignite, Gas, Naphtha, Hydropower, Nuclear Fuel and even Solar Energy

Power surplus state with even the rural areas getting 24 hours, three phase power supply under the Jyotigram Yojana

Under the Big 2020, the aim of Gujarat’s power sector is: “To achieve upper middle income countries’ per capita power generation and consumption benchmarks while building large capacities in renewable energy and providing quality energy at competitive tariffs”
PROPOSED FLAGSHIP POWER SECTOR PROJECTS IN GUJARAT

- 4000 MW Mundra Ultra Mega Power Plant
- 2640 MW Mundra Thermal Power Plant
- 2000 MW Sarakhadi and Sinor Thermal Power Plants
- 900 MW Pipavav Coal Based Power Plant
- 990 MW Sugen Gas Based Power Plant

Solar, Wind, Offshore Wind and Geothermal Energy being explored hugely for power generation in Gujarat

Implementation of Smart Grid Technology in Naroda and Deesa by Uttar Gujarat Vij Company Ltd.
## Upcoming Power Sector Opportunities in Gujarat

<table>
<thead>
<tr>
<th>Location</th>
<th>Type of Plant</th>
<th>Capacity (MW)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Chhara Sarkhadi, Amreli</td>
<td>Coal Based</td>
<td>1000</td>
</tr>
<tr>
<td>Simar, Junagadh</td>
<td>Coal Based</td>
<td>1000</td>
</tr>
<tr>
<td>Vansi Borsi, Surat</td>
<td>LNG/Coal Based</td>
<td>1000</td>
</tr>
<tr>
<td>Dahej, Bharuch</td>
<td>LNG/Coal Based</td>
<td>1000</td>
</tr>
<tr>
<td>Veera/Sangat, Kachchh</td>
<td>Coal Based</td>
<td>1000</td>
</tr>
<tr>
<td>Mora, Surat</td>
<td>Expansion of Gas Based Plant</td>
<td>350</td>
</tr>
</tbody>
</table>

**Source:** GIDB
PROPOSED POWER SECTOR PROJECTS IN GUJARAT
18 Major Dams across the state

Water from Narmada River used to irrigate arid regions across the state

State wide water supply grid

Schemes for salinity ingress prevention and flood prevention also in place
Gujarat’s aim in the water sector is: “To ensure safe reliable and affordable drinking water for all, and provide stable water supply for agriculture through a pan Gujarat water grid and efficient irrigation systems”

Total estimated investment of INR 1364 Billion (USD 22.7 Billion) needed by 2020 to develop Gujarat’s water projects

Kalpsar will provide an additional 4000 MLD of freshwater for domestic and industrial use. Irrigation coverage will be additional 11 Lakh Ha

Source: BIG 2020
Development of Sardar Sarovar Project, along with small hydro power projects on PPP mode along the Narmada Branch Canal

Sujalam Sufalam Yojana to provide surplus water to arid areas across Gujarat via canals

Saurashtra Narmada Avtaran Irrigation Yojana (Sauni Yojana) to divert flood water of Narmada to Saurashtra region

Hydrology Project to use Hydrological Information System (HIS) in cost effective allocation, planning, management and development of water resources
Innovative IT Policy 2006 – 2011 has played a major role in development of IT/ITeS in Gujarat via promotion of IT Projects, IT Parks and SEZs.

A Grand Total of INR 43 Billion (USD 715 Million) estimated to be invested in the IT sector till 2020 for development of SEZs, IT University and Private IT Parks.

Nine major IT/ITeS SEZs in Gujarat; including one operational SEZ.

Development of Infocity Project on the Ahmedabad – Gandhinagar Highway via Private Sector Participation to develop IT services in Gujarat.

<table>
<thead>
<tr>
<th>Major Envisaged Investments till 2020</th>
</tr>
</thead>
<tbody>
<tr>
<td>Project</td>
</tr>
<tr>
<td>SEZs</td>
</tr>
<tr>
<td>IT University</td>
</tr>
<tr>
<td>Private IT Parks</td>
</tr>
</tbody>
</table>

Source: GIDB, BIG 2020, GIDC
Under the BIG 2020, the aim of Gujarat’s urban development sector is: “To radically transform existing cities and develop a new genre of satellite/ theme townships and interconnected twin cities which are safe, efficient, clean and green and offer a high quality of life”

THREE FOLD STRATEGY FOR URBAN DEVELOPMENT IN GUJARAT

- Provision of 100% basic infrastructure to the urban population to make cities efficient, productive and inclusive

- Development of Ahmedabad, Surat, Vadodara and Rajkot as Mission Cities through provision of excellent infrastructure

- Development of new townships around current and emerging economic centers

**Major Envisaged Investments till 2020**

<table>
<thead>
<tr>
<th>Project</th>
<th>Approximate Total Investment</th>
</tr>
</thead>
<tbody>
<tr>
<td>Metro Link Project</td>
<td>INR 360 Billion (USD 6 Billion)</td>
</tr>
<tr>
<td>GIFT</td>
<td>INR 323 Billion (USD 5.4 Billion)</td>
</tr>
<tr>
<td>Investments for Top 4 cities</td>
<td>INR 101 Billion (USD 1.7 Billion)</td>
</tr>
<tr>
<td>JNNURM</td>
<td>INR 93 Billion (USD 1.5 Billion)</td>
</tr>
<tr>
<td>UIDSSMT</td>
<td>INR 26 Billion (USD 440 Million)</td>
</tr>
</tbody>
</table>

*Source: BIG 2020*
RIVERFRONT DEVELOPMENTS – BEAUTIFYING OUR RIVER BANKS

1. Unique urban development projects to holistically develop the riverbanks of major rivers in major cities of Gujarat; will give an impetus to the tourism oriented and social development of the cities.

2. Projects planned along the bank of Sabarmati in Ahmedabad & Gandhinagar and Tapi in Surat.

3. Sabarmati Riverfront Development encompasses both banks of the river Sabarmati for 10.5 km, creating approximately 185 ha. of reclaimed land.
   - A new linear two level promenade will provide uninterrupted pedestrian access to water.

OPPORTUNITIES TO INVEST

- Commercial development like Office Spaces and Trade fair complexes
- Cultural Activity Centers like Museums and Theatres on 36,000 sq. m.
- Recreational Activities – Water Sports and Floating restaurants
OPPORTUNITIES FOR URBAN TRANSPORT DEVELOPMENT IN GUJARAT

BUS RAPID TRANSIT SYSTEM

- Smart mobility system; when fully developed will serve the cities of Ahmedabad, Rajkot, Surat and Vadodara

REGIONAL RAIL SYSTEM – AHMEDABAD

- Three corridors being planned: Kalol – Ahmedabad – Barajadi, Ahmedabad – Naroda, Ahmedabad – Sanand – Viramgam

LIGHT RAIL TRANSIT SYSTEM

- LRTS being planned in Surat to ease the traffic and urban mobility problems of the city
OPPORTUNITIES IN URBAN DEVELOPMENT PROJECTS IN GUJARAT

PROPOSED URBAN DEVELOPMENT PROJECTS IN GUJARAT

Flagship projects

Basic infrastructure in mission cities (including urban poor)

New Townships along economic centers (Dholera SIR, GIFT, DMC, Ports)

River front development projects

BRTS

Urban Mobility projects

Twin city Development project

Metro link project

Source: BIG 2020
Under the BIG 2020, the aim of Gujarat’s education sector is: “To create a widespread network of educational institutions to make Gujarat a globally recognized knowledge society”

Private Universities Bill has been passed by the State Government easing the formation of private universities in the state.

Multiple initiatives for knowledge and skill development under the Knowledge Consortium of Gujarat and Gujarat Skill Development Mission.

Initiatives such as Society for Creation of Opportunities through Proficiency in English (SCOPE) and Gujarat Knowledge Society.

Total estimated investment of almost **INR 159 Billion (USD 2.6 Billion)** in the education sector till 2020 including development of two Knowledge Corridors and Multiple Centers of Excellence.

Source: GIDB, BIG 2020
OPPORTUNITIES IN EDUCATION PROJECTS IN GUJARAT

PROPOSED EDUCATION PROJECTS IN GUJARAT

- COE in Biotechnology
- Pharmacogenomics
- Nanotechnology
- Architecture
- Urban Development
- Governance
- Earthquake engg.
- Textile Research
- Tourism

- Maritime University to create quality professionals

- Knowledge corridor supporting services capacity creation - Retail University, Aviation University

- Knowledge corridor supporting port-led economy

Source: BIG 2020
Under the BIG 2020, the aim of Gujarat’s health sector is: “To exponentially increase the availability of quality health care infrastructure to bring about a quantum change in health care indices and to reach UMI benchmarks”

- Proposed Investment of almost **INR 161 Billion (USD 2.6 Billion)** till 2020
- Planned development in the healthcare sector includes establishment of an Integrated Healthcare Township, Medical University and Centers of Excellence in Life sciences, Knowledge development and IT in healthcare, Indian system of medicine and Pharmaceuticals

## ENVISAGED INVESTMENTS TILL 2020

<table>
<thead>
<tr>
<th>Project</th>
<th>Approximate Total Investment</th>
</tr>
</thead>
<tbody>
<tr>
<td>Integrated Healthcare Townships (4 nos.)</td>
<td>INR 100 Billion (USD 1.7 Billion)</td>
</tr>
<tr>
<td>Medical University (1 nos.)</td>
<td>INR 2 Billion (USD 33 Million)</td>
</tr>
<tr>
<td>Center for Excellence in Life Sciences (3 nos.)</td>
<td>INR 15 Billion (USD 250 Million)</td>
</tr>
<tr>
<td>Center for Excellence in Knowledge Development and Information Technology for Healthcare (2 nos.)</td>
<td>INR 2 Billion (USD 33 Million)</td>
</tr>
<tr>
<td>Center for Excellence in Indian System of Medicine (1 nos.)</td>
<td>INR 500 Million (USD 8 Million)</td>
</tr>
<tr>
<td>Center for Excellence in Pharmaceuticals (1 nos.)</td>
<td>INR 350 Million (USD 6 Million)</td>
</tr>
</tbody>
</table>
OPPORTUNITIES IN HEALTHCARE IN GUJARAT

PROPOSED HEALTHCARE PROJECTS IN GUJARAT

- Centre for Excellence in Life Sciences
- Centre for Excellence in IT for healthcare

Source: BIG 2020
The total shelf of tourism projects in Gujarat translate to an estimated investment of almost **INR 486 Billion (USD 8 Billion)** out of which almost **INR 472 Billion (USD 7.8 Billion)** will be on a PPP basis.

Under the BIG 2020, the aim of Gujarat’s tourism sector is: “To make Gujarat a global tourist destination by promoting its unique combination of deserts, forests, coastlines, cultural and archaeological heritage.

The themes planned to be covered under Tourism sector include:
- Coastal Tourism
- Religious Tourism
- Heritage Tourism
- Eco Tourism
- Leisure and Business Tourism

Key Projects include development of mega tourism projects at Mandvi in Kachchh District; development of recreation, leisure and hospitality projects in the SIR and PCPIR; as well as implementation of Hotel based MoUs.

Source: BIG 2020
OPPORTUNITIES TO PARTNER IN TOURISM PROJECTS ALL OVER GUJARAT

PROPOSED TOURISM PROJECTS IN GUJARAT

- Medical Tourism at various locations (VGIS 2009)
- Ambaji development / Religious Tourism
- Tourist projects at Pethapur and Gandhinagar (VGIS 2009)
- Sweertini Gujcart Memorial
- High-tech corporate park (VGIS 2009)
- Heritage conservation/promotion/Champaner
- Film City (VGIS 2009)
- Kevadia Reservoir based tourism
- Ayurveda, Yoga and Naturopathic Hospital, Vocational Training and Hospitality Management Institute, Tourism Projects at Kadi, Hotels and Resorts Projects (VGIS 2009)

Source: BIG 2020
<table>
<thead>
<tr>
<th>Organization</th>
<th>Website</th>
</tr>
</thead>
<tbody>
<tr>
<td>Gujarat Infrastructure Development Board</td>
<td><a href="http://www.gidb.org">http://www.gidb.org</a></td>
</tr>
<tr>
<td>iNDEXTb - Industrial Extension Bureau</td>
<td><a href="http://www.indextb.com">http://www.indextb.com</a></td>
</tr>
<tr>
<td>Gujarat Industrial Development Corporation</td>
<td><a href="http://www.gidc.gov.in">http://www.gidc.gov.in</a></td>
</tr>
<tr>
<td>Petroleum, Chemical and Petrochemical Investment Region (PCPIR)</td>
<td><a href="http://gujaratpcpir.org">http://gujaratpcpir.org</a></td>
</tr>
<tr>
<td>Gujarat Maritime Board</td>
<td><a href="http://gmbports.org">http://gmbports.org</a></td>
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