



Industries Commissionerate
Government of Gujarat

GUJARAT INVESTORS' PARADISE



ibrant
18-20 Jan
GUJARAT 2019
Shaping a New India | 9th Global Summit

VIJAY RUPANI
Hon'ble Chief Minister, Gujarat

NARENDRA MODI
Hon'ble Prime Minister

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NARENDRA MODI Prime Minister of India

Message

I am happy to learn that the Industries Commissionerate, Gujarat is coming up with its Souvenir to mark the 'Vibrant Gujarat Summit 2019'.

The 9th edition of the biennial Vibrant Gujarat Global Summit will focus on the all-round economic development, leading to the making of a "New India". Over the years, the Summit has reflected the rapid pace of economic growth of the state of Gujarat.

Technology and innovation will spur the 4th Industrial Revolution, where 'Perform or Perish' will be the only available option. Industry 4.0 will redefine existing jobs and create new employment opportunities. Our Government has implemented schemes such as Digital India, Skill India and Start Up India to enable our youth to equip themselves with the latest technological skills.

The Vibrant Gujarat Summit provides global investors an opportunity to invest and benefit in a changed scenario, where 'Ease of Doing Business' has become the buzzword. Gujarat, in particular, affords multiple advantages such as a robust physical infrastructure and an enterprising, industrious workforce.

I am sure that the Souvenir being published will trace the exponential increase in the span and outreach of Vibrant Gujarat Summit, as well as the growth of Gujarat over the years.

Best wishes for successful publication of the Souvenir.

Narendra Modi



सत्यमेव जयते



VIJAY RUPANI
Chief Minister, Gujarat State

apro/Ug/2018/12/31/dt

Dt. 31/12/2018

Message

Gujarat's economic and industrial leadership is attributed to the state's enterprising people, proactive governance and a skilled and committed workforce. It is a matter of joy that Gujarat has always been a preferred destination for the business, due to its strategic location, state-of-the-art infrastructure, robust industrial ecosystem and favourable policies.

The State has many advantages for investors -business-friendly policies, 24X7 power supply, a robust network of international and domestic airports, state-wide natural gas and water grid, roadways, railways and ports and presence of premier management and technical universities and institutions.

The Vibrant Gujarat Global Summits, organised biennially since 2003, have played a significant role in building investors confidence.

The Special Souvenir being published is an initiative of Industries Commissionerate of Government of Gujarat and Elets Techno media Pvt Ltd to compile success stories of key projects. I am sure this souvenir will be useful for investors, academicians, students and all stakeholders in exploring the inclusive development of Gujarat.

Vijay Rupani



सत्यमेव जयते

NITIN PATEL

Deputy Chief Minister, Gujarat State



Message

Gujarat is a national leader in 15 of the 25 manufacturing sectors identified as a part of Government of India's 'Make in India' initiative. The State has been at the forefront of trade and industrial development, and accounts for the maximum investment in India over the last decade.

Our Government has always focused on building innovative, effective and flexible institutions, policies and processes to support and enhance growth of agriculture, manufacturing and services sectors, essential to generate employment and empower people.

We have laid special emphasis to develop Micro Small and Medium Enterprises (MSME) sector, which is essential to drive employment, innovation and competition in many economic sectors. We have formulated and infused many policies to provide a huge impetus to growth of business and industries in the state.

The Vibrant Gujarat Summit has been one of the most successful and unique approaches of the Gujarat Government, not only to attract investment, but to also forge partnerships and facilitate exchange of best practices and ideas. This Summit has become synonymous with business, trade and development, a model being followed by other states in the country.

With collaborative and proactive participation of the industry and sustained support from the Government, I am confident that Gujarat will retain its position as the most attractive and promising global manufacturing hubs in the country.

I congratulate the Industries Commissionerate of Gujarat, and Elets Technomedia Pvt. Ltd. for bringing out this Special Souvenir, encompassing the highlights of business and investment opportunities in the state and also showcase status report of ground level industrialization in the State since the first edition of the Vibrant Gujarat summit 2003.

Heartiest Congratulations and Best Wishes!


(Nitin Patel)



सत्यमेव जयते



MAMTA VERMA, IAS

**Industries Commissioner
Government of Gujarat**

Message

Gujarat, one of India's most economically developed regions, is an enterprising State renowned for new opportunities and growth avenues across sectors.

The State is a preferred destination for domestic as well as global investors, because of its robust infrastructure, proactive governance, peace and prosperity.

To further promote industrial activity in the State, the Government of Gujarat launched the Industrial Policy in 2015 matching the spirit of Hon'ble Prime Minister's initiative of 'Make in India'. Our policies highlight the State's intent of making the government responsive to the needs of both well-established and growing sectors.

Through our policies, we are trying to provide a thrust on the development of MSME sector, which has the potential to create massive employment. The flurry of economic and social activities generated by the biennial Vibrant Gujarat Summits have also contributed immensely in propelling the industrial growth.

Through this Special Souvenir, Government of Gujarat aims to highlight successful projects across sector like automobile, engineering, pharmaceutical, textile, food processing, education, healthcare, infrastructure, and tourism that have made Gujarat the flag-bearer of India's economic success story.

We hope that this souvenir will be a great memory of your participation at Vibrant Gujarat Summit 2019.

Best Wishes


Mamta Verma

GUJARAT INVESTORS' PARADISE

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Government of Gujarat

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GUJARAT

A NERVE CENTRE OF TRADE AND COMMERCE

The 9th edition of the mega event is poised to provide a forum for discussion on Global, National and State-level agendas with a sharp focus on all round economic development for a 'New India'

Vibrant Gujarat Global Investors' Summit is actually the gateway to understand the worldview of New India and the innumerable opportunities it presents at a time when there is a surging focus on using innovative technologies in almost every sphere of life and governance.

Over the years, the Vibrant Gujarat Global Summit has emerged as a major platform of knowledge-sharing and forging effective partnerships. It has evolved into a platform to brainstorm on agendas of global socio-economic development.

In the past, these summits have supported industrialisation in new areas like the 2001 Earthquake affected Kutch district where engineering and metallurgical industries, power plants and industrial parks have been commissioned over the last 15 years.

The textile industry is one of the largest employers in Gujarat. The policy boost provided in recent years by the Government of Gujarat has yielded operational spinning and weaving units, some of them in rural and semi-urban areas.

Gujarat has been the land of many riches since time immemorial. The 5,000 years old port of Lothal, located in the Bhal region of the State, earned the distinction of having the world's earliest known dock, connecting the city to an ancient course of the Sabarmati River on the trade route between Harappan cities in Sindh and the peninsula of Saurashtra when the present-day Kutch desert was submerged in the Arabian Sea.

While historians may assign the glory of Gujarat as a major global hub of trade and commerce to antiquity, the entrepreneurial spirit, which is embedded in Gujarat's social milieu, has survived the tide of times and continues to inspire, and instigate to explore new ideas for building a New India. Vibrant Gujarat in a way epitomises that spirit.

Conceptualised and put in motion in 2003 by the then Gujarat Chief Minister and current Hon'ble Prime Minister Narendra Modi, Vibrant Gujarat has grown from strength to strength to emerge as the "world's gateway to opportunities in India". Today, the summit—as a facilitator for knowledge-sharing and forging effective partnerships—has evolved into a platform for brainstorming on agendas of global socio-economic development.

Vibrant Gujarat's steadily growing significance can be gauged from the fact that the 8th Vibrant Gujarat Global Summit had witnessed participation of more than 25,000 delegates from over 100 countries, including four Heads of States, Nobel Laureates, captains of global industry and thought leaders.



EVOLUTION OF VIBRANT GUJARAT

Focus on Business & Networking Summit to Summit Promotion



Focus on Business & Networking + Development
Agenda of Gujarat: Year-Long Promotion



Focus on Flagship Programme of Government of India:
Make in India, Startup India, Skill India, Digital India



The 9th edition of the mega event intends to provide a forum for discussion on Global, National and State-level agendas with a sharp focus on all round economic development for a New India.

In addition to the flagship events, organised as part of Vibrant Gujarat, the summit will also witness the launch of a completely new set of forums aimed at diversifying the nature of knowledge-sharing at the Summit, and intensifying the level of networking between participants.

The Vibrant Gujarat Global Summit is actually the gateway to understand the worldview of New India and the innumerable opportunities it presents at a time when there is a surging focus on using innovative technologies in almost every sphere of life and governance.

What's the Significance?

The Vibrant Gujarat Global Summit serves as a platform to identify potential business partners while enabling people to participate and identify the way forward for inclusive growth over a long time. Besides, it serves as a useful platform for the MSMEs to identify joint venture opportunities and government tender opportunities for a business expansion.

Over the years, the Vibrant Gujarat Global Summit has emerged as a major platform of knowledge-sharing and forging effective partnerships. It has evolved into a platform to brainstorm on agendas of global socio-economic development.

The summit presents a big opportunity to explore a sea of investment opportunities that await investors in Gujarat.

Gujarat – A Business-Friendly State

When Gujarat gained status of a State in the 1960, developing Micro, Small or Medium Enterprises (MSME) Sector was perceived as a priority. Since then MSMEs have been the bedrock of the State's formidable manufacturing economy. Since 1860s, the textile industry has boomed in the city of Ahmedabad. In the early 20th century, pharmaceutical, chemical and engineering units were commissioned in Gujarat.

Later, the Gujarat Industrial Development Corporation (GIDC) was established with a focus on zoning and planning industrial estates with dedicated infrastructure such as roads, drainage, electricity, water supply, street lights, and ready-to-occupy factory sheds.

It was meant to diversify the production base, and take industrialisation to new spheres. The reduced per factory cost for infrastructure was a big draw for business units from other States to Gujarat.

Some GIDC Estates were developed in economically backward areas like the tribal dominated districts of Gujarat, where factories could benefit from government incentives.

The petroleum refineries and large chemical complexes like the Gujarat State Fertilisers and Chemicals Ltd (GSFC) led the growth of chemical industry.

MSME continues to be a priority area for the Gujarat Government, as it recognises their role in driving production, employment, innovation and competition. The Government expects the Special Investment Regions (SIR), the Petroleum, Chemicals & Petrochemicals Investment Region (PCPIR), sector specific industrial estates and privately owned industrial parks in Gujarat to continue to support MSME growth.

THE **CAR OF THE YEAR**

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We are thankful to the Government of Gujarat for*



INDIAN CAR 2019.

Best-selling vehicle in India is
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Thanks to its relentless support.



VIBRANT GUJARAT GLOBAL SUMMIT Heralding Growth and Development



Since 2003, the Government of Gujarat has been hosting the biennial Vibrant Gujarat Summit with a focus on drawing investment into the State, boosting entrepreneurial confidence in the State while highlighting the inherent strengths of Gujarat.

The summits successfully bring together business leaders, investors, corporations, thought leaders, policy and opinion makers.

In the past, these summits have supported industrialisation in new areas like the 2001 earthquake affected Kutch district where engineering and metallurgical industries, power plants and industrial parks have been commissioned over the last 15 years.

Gujarat – A giant hub of industries

One of the major developments in Gujarat recently has been the growth of a global automobile and engineering industries hub in the Sanand-Hansalpur-Vithalapur region. Here, projects of multinational and national automobile majors have been commissioned or are lined up for completion.

This stretch has also seen the establishment of many plants manufacturing auto ancillaries, tools, bearings, machine parts and other engineered goods.

The growth of this sector has been driven by the availability of infrastructure, the strategic location with highway access to the ports of Kutch, and the Ease of Doing Business supported by the government's proactive policies.

Agri-enterprises like agro-industries, fisheries and food processing, are high on the priority of the Government of Gujarat.

Agri-business Projects in the state span from protected cultivation and precision farming, dairy, warehousing and aqua culture to the food processing industry.

Food processing is one of the largest industries in India, and Gujarat with its high horticultural production is poised for rapid growth in this sector. The State's policies are supporting this sector that empowers farmers to help them draw maximum benefit of the increased demand of quality agriculture produce in the market.

The food processing industry also provides employment to various sections of society, including home-based workers and the women workforce.

Textile is one of the largest employers in Gujarat. The policy boost provided in recent years by the Government of Gujarat has yielded operational spinning and weaving units, some of them in rural and semi-urban areas. Some of the workforce involved in spinning and textile production is women.

Gujarat continues to lead India in the pharmaceuticals and chemicals sector. New projects include plants for specialty chemicals and pharmaceuticals, biotechnology and R & D facilities.

A number of Information Technology (IT) and IT-enabled companies are already operating in the Ahmedabad – Gandhinagar corridor.

Many national and international majors have expressed interest in operating out of Gujarat International Finance Tec-City (GIFT), one of its kind business districts for finance and tech firms provided with high quality physical infrastructure required for such operations.

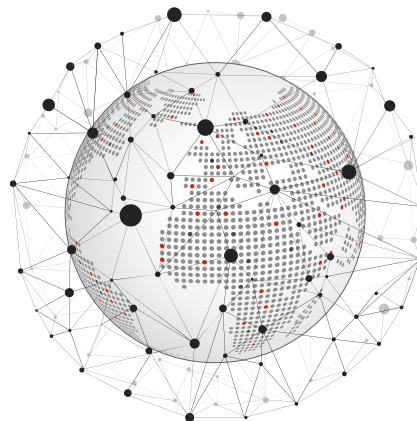
Schools, colleges, universities and technical institutes have also started operating in the vicinity of industrial parks and business districts.

Gujarat has also seen a tourism boom, boosted by the advertising campaigns by Gujarat Tourism. With growing tourist flows of business and leisure travelers into Gujarat, the state has become a fertile ground for investment into sports and recreational facilities.

Also, there has been a sharp rise in the wind power capacity in Gujarat over the last few years. Gujarat government's focus on tapping renewable energy that has also led to the commissioning of more solar and wind power projects in the state.

Why to set up projects in Gujarat?

Situated on the west coast of India, Gujarat is one of the leading industrialised states in the country. The State covering about 2 lakh sq. km. area accounts for 6 percent of the total land area of India. With a coastline of 1,600 km, it is well-connected to all the major port-based trade routes, such as USA, Canada, Europe, Australia, China, Japan, Korea, Gulf & African countries and other major trade cities of the world by air route.



ADVANTAGE GUJARAT

- 22% contribution to India's Export
- Leaders across key sectors - Chemicals & Petrochemicals, Drugs & Pharmaceuticals, Textiles and many more
- Power Surplus State - 24/7 Uninterrupted Power
- 1600-km Coastline, 40% of India's Port Cargo handled by 48 Large Ports
- 16 Domestic & Two International Airports
- Leading Academic Institutes - IIM, IIT, NID, NIFT, PDPU, GNLU & GFSU
- India's First International Financial Services Centre (GIFT)
- Only State with a State-wise Gas Grid

Gujarat's economic development vision lays emphasis on integrated and sustainable development, employment generation and inclusive growth. The state is geared towards development of robust infrastructure that will form the base for spurring higher growth. There has been balanced development in the field of agriculture, manufacturing and services which has increased livelihood opportunities in the state. Among all other things, Gujarat intends to take up Climate change mitigation measures, utilise the large youth talent pool and tap ways to benefit from other natural resources.

More than 60 percent of Gujarat's population is in the age group of 15-59. A young population means a young workforce, which, in turn, implies a more innovative and entrepreneurial mindset. The government focusses strongly not just on the employability but also on encouraging start-up incubators for developing entrepreneurial skills in the youth.

In the first phase of development, led by an entrepreneurial spirit and backed by the strong support of the Government, Gujarat emerged as a manufacturing powerhouse. In the next phase of development, the State intends to move towards facilitating employment-creation and value addition from available raw materials for producing finished products. The third phase of development ushers in a regime of new product development.

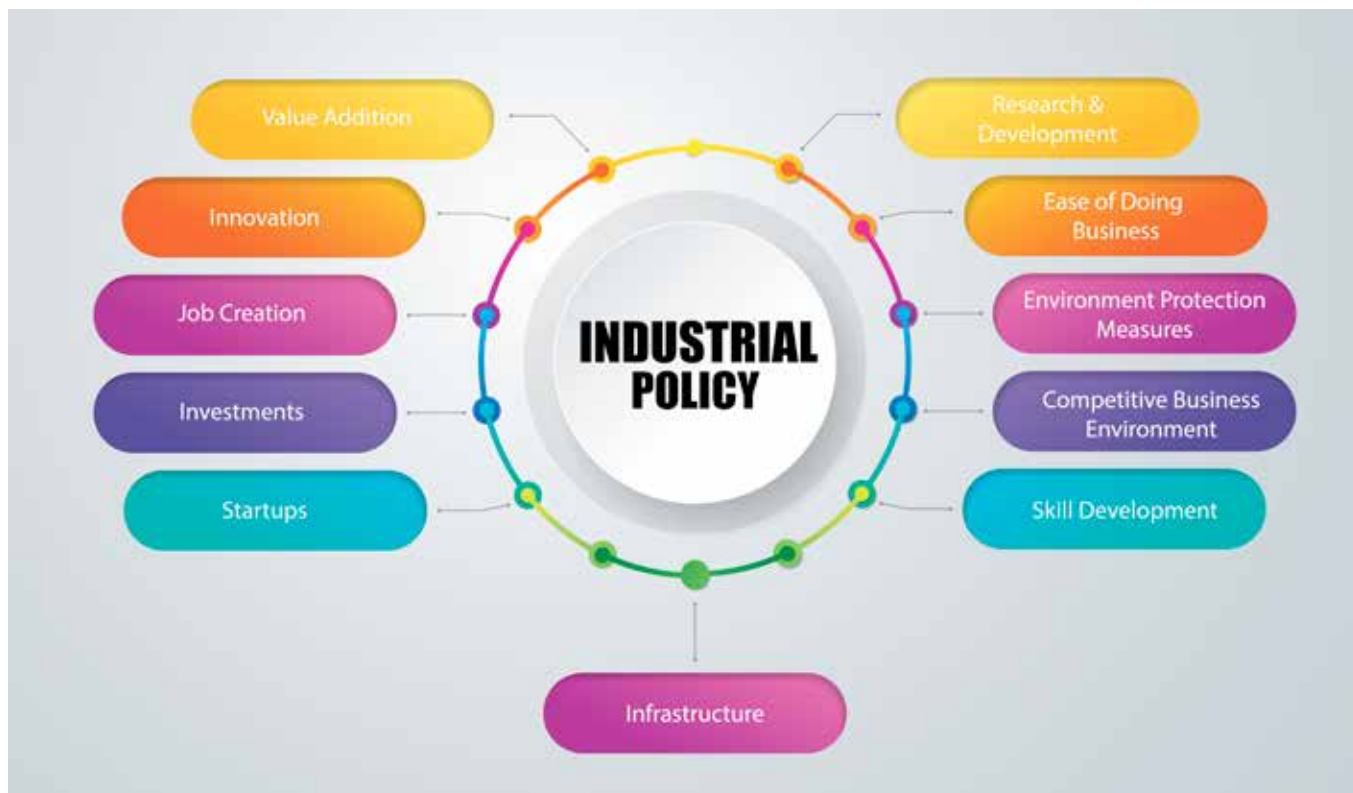
The Gujarat Industrial Policy 2015 has the stated aim of "making Gujarat an attractive "Total Business Destination", expedite the overall country's economic growth, thereby increasing the standard of living and prosperity among the people of Gujarat by giving them the opportunity for skilled employment and nurtured enterprises".

To achieve this goal, the government has committed to adopt a strategy that seeks to promote collaboration among regional value chains by encouraging innovative activity and sector-specific interventions:

- Accelerating Development of Infrastructure
- Promoting labour intensive industries
- Focus approach for industrially under-developed Areas
- Strengthening sector-specific skill development and vocational skills
- Encouraging Universities for start-ups & innovative product development
- Support technology up-gradation and research & development

- Promote trade facilitation & e-governance
- Support to Service sector enterprises
- Conducive labour reforms including more opportunity for women
- Focus approach on 'Make in India' programme
 - Improving business environment with stress on 'Ease of Doing Business'
 - Enable manufacturing processes
 - Zero effluent discharge plants
- To enhance last-mile connectivity for strengthening development of infrastructure
- To promote specific sector approach & value addition in production
- To encourage the adoption of green, clean-energy business practices
- To promote innovation, start-ups & technology transfer





To facilitate investment into the State, major strategies for achieving growth have been identified which include:

- Accelerating development of infrastructure
- To promote labour intensive industries
- Focus approach for industrially under-developed areas
- Strengthen sector-specific skills and promote vocational skills
- Strengthen specific sector approach
- Develop linkages between university and industries
- Support in technology up-gradation and research and development
- Promote trade facilitation and e-governance
- 'Make in India' campaign
- Conducive labour reforms

Known for being a major manufacturing base, peaceful workforce and high Ease of Doing Business rankings, Gujarat should be an obvious choice for launching business.

It is one of the preferred States in India for businesses to set up new units or relocate operations. Its entrepreneurial ecosystem also makes it a perfect destination for the innovation-driven organisations.

Together, with proactive governance and industry-friendly policies, Gujarat has a robust infrastructure that supports

businesses like the industrial parks and sector-specific estates.

The businesses enjoy services like power supply, water, telecommunications and natural gas grid.

Ease of Doing Business in Gujarat

Gujarat is sharply focused on simplifying procedures, minimising waiting period and improving business environment. As part of this initiative to strengthen Gujarat's image as an investor friendly state, the Government ensures that the investor is facilitated in the following manner:

- The investor is facilitated to file all applications related to project at one point.
- A special cell at the Industries Commissionerate to act as a nodal office.
- Involving the concerned departments wherever necessary with respect to investments as well as concerns and issues that the industry may have encountered.
- Details of procedures and formats for various approvals on website for easy reference of investors.
- Over a period of time, a time-bound schedule for clearance of investor applications to ensure expeditious movement of applications.





When Tata Motors preferred Gujarat for Nano Car Project!

In 2008, Tata Motors was producing Nano, a super-cheap car, which was expected to put motoring within the reach of millions of Indians who could not afford it.

But Tata Motors had to face a big challenge in West Bengal, caused by a section of local residents' protest. Various State governments approached India's leading company to wangle the project. But it was Gujarat which fascinated the Tata Motors.

Tata Motors opted for Gujarat over several other States for its Nano project because of the speed at which the state acted after the auto major pulled out of Singur in West Bengal, stated Ratan Tata, the then chairman of Tata Motors.

Addressing a press conference then, Ratan Tata, who is today described as the doyen of Indian industries, revealed: "We have selected Gujarat over other states because of the speed in which it acted...The site in Gujarat, already under the possession of the state government, will help Tata Motors establish a new dedicated mother plant with the shortest possible time lag and least possible incremental project cost."

Tata said the infrastructure available in the state, as well as the spirit and enterprise of the people of Gujarat and the State government led by Narendra Modi (the then chief minister) also made the choice compelling in the best interest of the project.





iNDEXTb: INVESTORS' GATEWAY TO GUJARAT

In an endeavour to deepen manufacturing base of the newly founded state of Gujarat, the Industrial Extension Bureau (iNDEXTb) was established in Gujarat during the 1960s.

Engaging with entrepreneurs, firms and companies desirous of investing in Gujarat, it facilitates them through the process of starting industrial operations in the state of Gujarat. To provide a single point contact for those establishing industrial ventures within a State, it's a first of its kind initiative by an Indian state.

An ISO 9001-2015 certified organisation, iNDEXTb is today the principal organisation of the Ministry of Industries and Mines, Government of Gujarat, for promoting manufacturing and other industrial sectors in Gujarat.

The organisation promotes Gujarat as an industry-friendly destination for investment, assists entrepreneurs, firms and companies intending to invest in the industrial sectors in Gujarat. It also facilitates the smooth implementation of their projects and works on propagating industrial policies and providing information on the opportunities for investments to potential investors.

To perform various tasks of iNDEXTb, the organisation is structured into self-contained cells headed by senior officers – the key divisions include Investment Promotion, International Business, Project & Technology, IT, among others.

iNDEXTb – The Aims, the Objectives

The key aims of iNDEXTb include to inform the people at large and potential investors, particularly about the industry, trade and commerce opportunities available in Gujarat.



It also aims to disseminate industry relevant information about Gujarat through mass media, and facilitate entrepreneurs, technicians, artisans and investors through the process of establishing industrial units in Gujarat.

The Objectives

- Encouraging the educated youth inclined to take up industrial and developmental activities in Gujarat. It also organizes or participates in events aimed at promotion of industrial development in Gujarat.
- It is also instrumental in developing resources, like libraries, reference and information systems, tool rooms and services, holds training, guidance, information camps and courses that benefit industry in Gujarat, and establish or support centres for documentation, maintenance and supply of data, projects and information useful for government authorities, institutions and industry in Gujarat.
- To publish and distribute printed material regarding industry in Gujarat to prospective entrepreneurs, artisans and institutions, and also assist other institutions engaged in such activities.
- To coordinate the development and extension and promotional activities of all institutions engaged in economic uplift and industrial development in Gujarat.
- To establish, maintain or manage offices, bureaus, counters and conference halls where required to further the cause of industrial development of Gujarat.
- To review and appraise the schemes and general atmosphere prevailing particularly in Gujarat and generally in India for industrial development.
- To assess the progress in industrial units, with regard to investment, employment, production and other factors.
- The organisation manages Mahatma Mandir, one of the largest convention centres in India. Located in Gandhinagar, the capital city of Gujarat, the convention centre is designed and equipped to host global events, summits, conventions, seminars, conferences and exhibitions.
- iNDEXTb is also the nodal agency for organising the prestigious biennial Vibrant Gujarat Global Summit.

A Single Window**URL:** <http://ifpgujarat.gov.in>**For Investors**

An 'Investor Facilitation Portal' (IFP), a single window online platform, acts as the first point of contact for any investor in Gujarat. This portal enables collecting information, filing of application, e-payment facility, monitoring status of 52 types of applications across 12 departments for setting up business.

Investor Facilitation Center (IFC):

The Investment Facilitation Center (IFC) is a physical body / bureau set up to support the functioning of the single window clearance facility provided by the online portal of Gujarat.

It has an office with trained staff to maintain a physical helpdesk. It provides the investor with all the help required regarding the relevant approvals to set up a business and information related to Investor Facilitation (IFC) Portal.

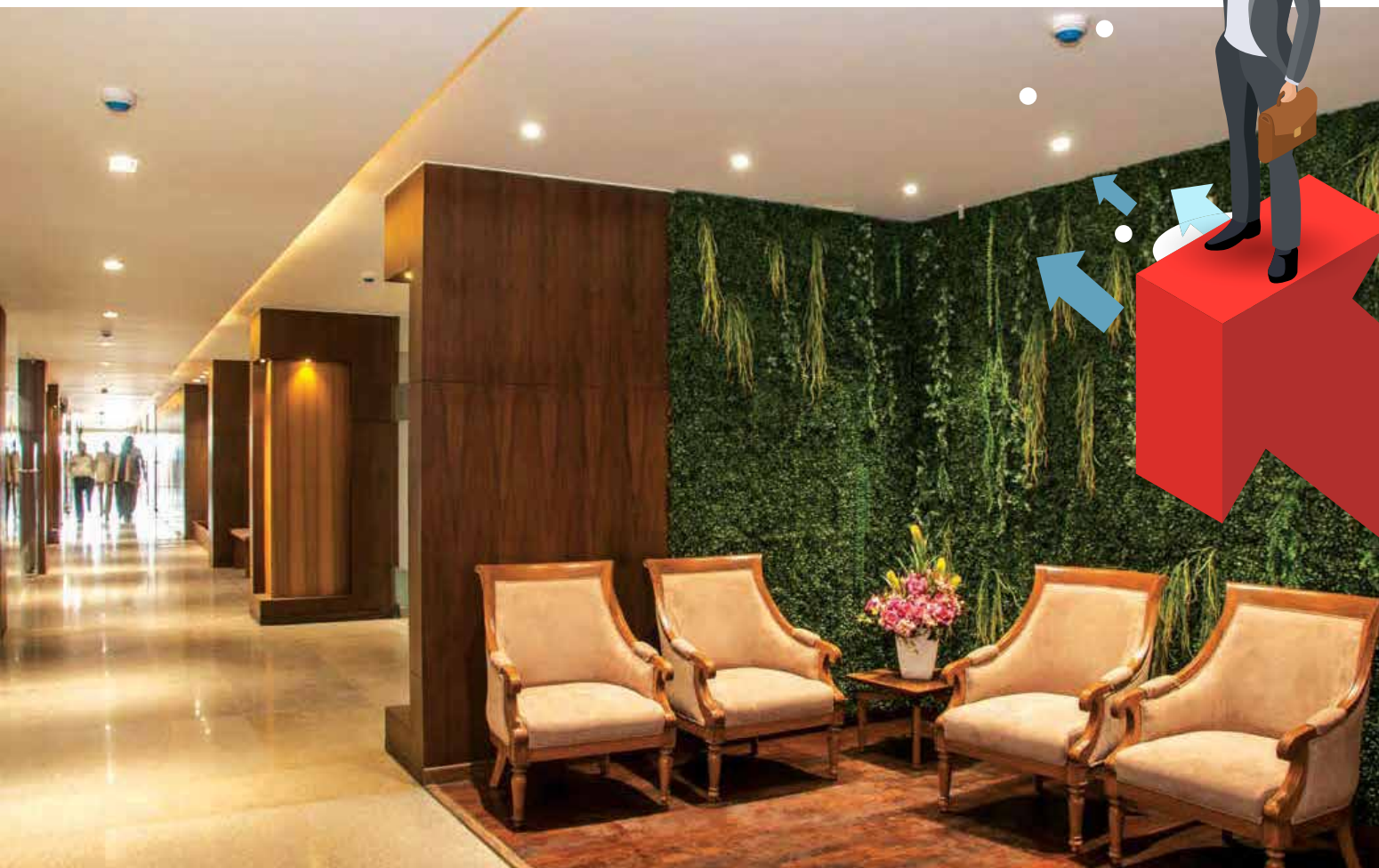
IFC Address:

Industries Commissionerate
Block No. 1, 2nd Floor, Sector - 11,
Udyog Bhavan, Gandhinagar - 382 011
Gujarat, India

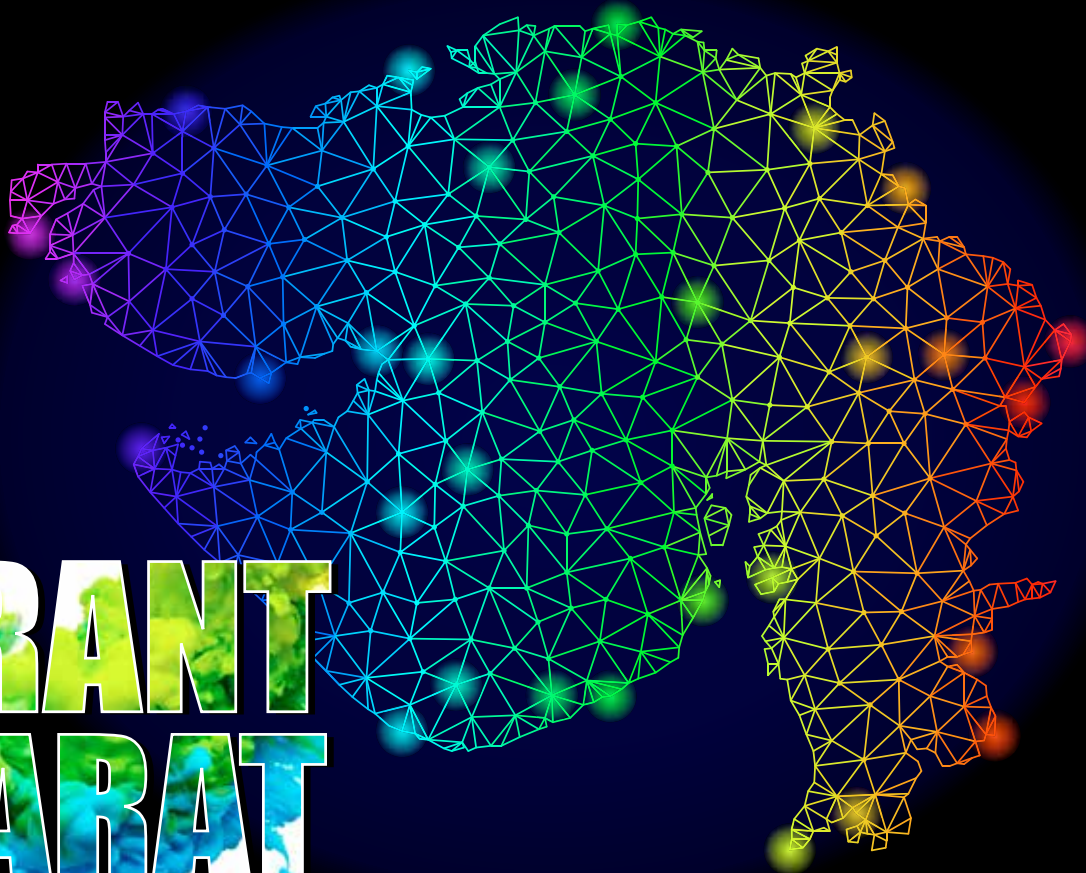
Website: <http://ifpgujarat.gov.in>**Toll Free Phone No.:** 1800 233 1847**Timing:** 10:30 AM - 6:10 PM**Information:** Industries Commissionerate**Key objectives of IFP:**

- To provide a centralised system to facilitate investors to make investment application.
- To create a single window for interaction between investors and Government departments regarding queries.
- To offer an investor-friendly application filing process.
- To speed up the process of approvals in getting permissions, services, and statutory clearances.
- To put in place tracking mechanisms for approvals, investments and the monitoring of disbursements.
- To support investors wishing to log grievances regarding clearances, approvals etc.
- To increase ownership in departments by virtue of file tracking.
- To put a system in place to check the status of investment applications by authorities and individual investors.
- To disseminate information to investors regarding infrastructure availability, policies and incentives.
- To facilitate online payment of fees for approvals and clearances.

IFP will be supported by district-level kiosks for handholding and supporting investors through the applications and processes.



VIBRANT GUJARAT



The Vibrant Gujarat Global Summit (VGGGS) was launched to hold an investors' summit to draw inward industrial investment into the State, thus providing partnering opportunities for Gujarat's entrepreneurs, creating more jobs, developing new clusters, and enabling technology transfer. Serving as a knowledge-exchange platform for the corporate groups and other investors to explore new avenues of investment and partnership opportunities with State government officials, it holds huge significance.

Over the years, the biennial summits have underlined Gujarat as a safe State for investment, conducting business and setting up industrial units, showcasing the State's entrepreneurial spirit, peaceful workforce, business-friendly policies, manufacturing base, decision-makers and investors.

Focus sectors for 2019 summit include:

- Environment Sector
- Pharmaceuticals
- Textiles
- Tourism
- Innovation and R&D
- Agro and Food Processing
- Engineering
- Healthcare
- IT-ITeS
- Chemicals and Petrochemicals
- Aroospace & Defence

- ESDM
- Mega Projects
- MSME
- Ports & Maritimes
- Renewable Energy

The summit will witness a grand congregation of Heads of States and Governments, Ministers, Leaders from the Corporate World, senior policymakers, Heads of International Institutions, Thought Leaders and Academia from around the world to further the cause of inclusion, cooperation, and development.

This edition of the summit will also present Gujarat as an engine of India's incredible growth story. The summit programmes are likely to involve seminars on Ease of Doing Business, Public Private Partnership in infrastructure and urban development, international development finance, innovation, startups and entrepreneurship, and smart villages.

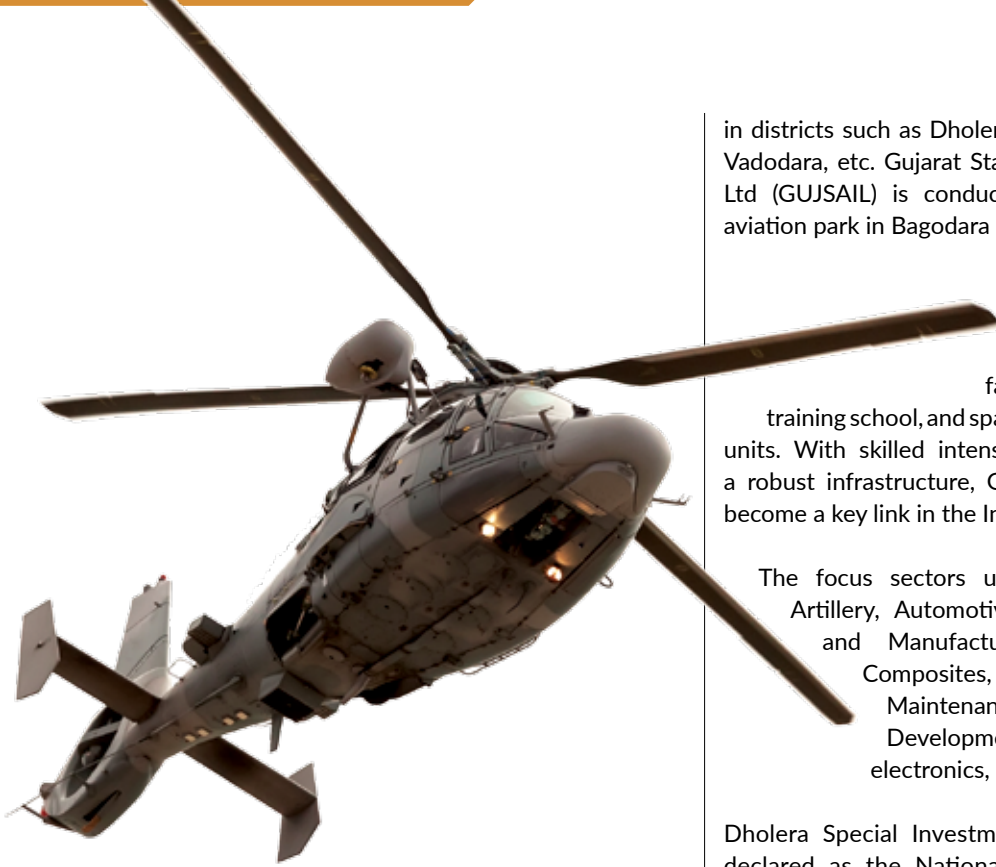
As part of the summit, a Nobel Laureate Symposium will bring together Noble Prize recipients for a session that will focus on innovative measures to spur societal benefits and economic growth.

To sum up, Gujarat's business-friendly approach has succeeded in attracting many businesses to locate their operations in the State. The series of Vibrant Gujarat Summits has helped showcase the many strengths of the State to investors, companies and individuals. •

Growth Drivers of Gujarat's Economy

Focus Sectors

Gujarat is one of the key drivers of India's economic development. The state has demonstrated leadership in many sectors including manufacturing, infrastructure, environment, tourism, healthcare, pharmaceuticals, textiles, innovation and R&D, defence and aerospace, agro & food processing, among others, that reflect the diversity and vibrancy of the state's industrial landscape. **The Government of Gujarat has identified various focus sectors** to build backward and forward linkages to help create a strong multiplier effect in the economy with an aim to boost consumption and act as the key drivers of growth to provide a robust foundation to the state's economy.



AEROSPACE & DEFENCE

As part of the “Make in India” initiative and to promote defence manufacturing sector in Gujarat, Government of Gujarat has launched the Aerospace & Defence Policy 2016.

Gujarat's fundamental strength in the Aerospace and Defence sector is due to:

- Integrated industrial facilities with robust infrastructure
- Existing engineering and precision engineering industry as well as due to the presence of a large number of MSME's which can further supply to the defence offset requirement
- Extensive number of operational shipbuilding yards and dry docks
- Availability of contiguous land parcels for testing range

Since the launch of the policy, private companies have received 20 licenses for setting up A&D manufacturing units in Gujarat. The companies would set up the defence manufacturing bases

in districts such as Dholera, Kutch, Bhavnagar, Amreli, Kheda, Vadodara, etc. Gujarat State Aviation Infrastructure Company Ltd (GUJSAIL) is conducting feasibility study to setup an aviation park in Bagodara near Ahmedabad.

The park is expected to have facilities such as an airstrip, helipad, training school, and space for setting up small manufacturing units. With skilled intensive manufacturing capabilities and a robust infrastructure, Gujarat has the right ingredients to become a key link in the Indian defence supply chain.

The focus sectors under Gujarat A&D Policy include Artillery, Automotive, Shipbuilding, Aircraft Assembly and Manufacturing, Defence-tech fabrics and Composites, casting and forging products, Maintenance, Repair and overhaul, Research & Development, Ammunition & Small Arms, electronics, etc.

Dholera Special Investment Region (SIR), which has been declared as the National Investment Manufacturing Zone (NIMZ), is to be the biggest beneficiary of DMIC and DFC. With a total notified area of 920 sq km, a world class Plug & Play and Future Proofed infrastructure, availability large and contiguous land parcels, Best in Class ICT enabled smart infrastructure, integrated planning with holistic approach for urban living and excellent connectivity with major economic centres, it is well placed to be developed as an Aerospace & Defence hub.

A state-of-the-art ISO 9001:2015 certified research centre in the field of forensic ballistics has been established at Gujarat Forensic Sciences University (GFSU). It is among the first of its kind centre in India authorised for testing and reporting of ballistic resistant materials and vehicles. The ballistic range renders timely services for the defence establishments and various agencies of personal security in the country for the testing of the body protection materials. GFSU also has a Cyber Defence Centre that is used for cyberwarfare training and cyber-technology development used by government and defence agencies. Advanced research laboratories for Cyber Security as well as Chemistry and Biotechnology Forensics have been established to provide the research environment in the institute.

Some of the prominent Aerospace & Defence companies operating in Gujarat include Larsen & Toubro (L&T) at Hazira Manufacturing Complex, Vadodara Heavy Engineering Works at Ranoli, Reliance Defence and Engineering Limited, Adani Aero Defence Systems & Technologies Ltd, Investment & Precision Castings Ltd, Jaivel Aerospace and elnfochips, among others.



AGRO AND FOOD PROCESSING

In Gujarat, during the period 2011-12 to 2016-17(Q), the GSDP for agriculture sector, including animal husbandry sector, had increased from \$148 billion to \$175 billion at constant (2011-12) prices. The major agricultural produce of Gujarat includes cotton, groundnut (peanuts), dates, and sugar cane, milk and milk products. The state is also a leading producer of tobacco and cotton in India.

With total cropped area of 13.9 m ha and net irrigated area of 4.32 m ha, Gujarat has 8 agro-climatic zones. The state has a diverse climate, with 40 major crops being sown here. To top the production, the state offers a strong market infrastructure system coupled with increasing adoption of hi-tech agriculture techniques.

Gujarat State Horticulture Mission (GSHM), a registered society, has been formed for the implementation of "National Horticultural Mission (NHM)" in the state.

The aim is to double the horticulture production and income by the development of infrastructure and market facilities. The mission is being implemented in 21 potential districts and covers important crops infrastructure and marketing facilities. A Dutch subsidiary is working closely with cold storage owners in Mahua Gujarat, which is expected to have its 'Operation Green' in the next few years.

With 20 percent of total milk production in the world, the total

milk production of Gujarat in 2016-17 was 12.87 million tonnes (MT). The dairy sector in Gujarat is majorly dominated by 19,788 cooperative societies. Private players too have been expanding their production and leveraging the increased domestic demand. Th state has

51 dairy plants, which is second highest in the country. Anand city of Gujarat is known as the milk capital of India.

In the Animal Husbandry sector, 12 Intensive Poultry Development Projects (IPDP), 5 District Poultry Extension Centres, 85 Poultry Service Centres and 26 Intensive Cattle Development Projects (ICDP) are functioning in the state. During the year 2016-17, 12,107 Animal Health Camps (Pashu Arogya Mela) were held in which 9.24 million animals were treated.

Gujarat accounts for 8.5 percent of India's total fish production (Marine + Inland). With major fisheries harbours like Jakhau, Porbandar, Mangrol, Veraval and Dholai, the marine fish production constitutes 86 percent of the total fish production of the state. Important commercial varieties of fish include Pomfret, Jew fish, Bombay duck, Shrimp, Lobster, Squid, Cuttle fish, Silver bar, Hilsa, Shark, Catfish and Mulletts, among others.

Export of fisheries has increased from \$175 million in 2007-08 to \$5.9 billion in 2016-17, a CAGR of 18 percent; it contributes 23.35% in the Nation's overall value added marine products exports.



CHEMICALS AND PETROCHEMICALS

Gujarat accounts for 62 percent of India's petrochemical production, 30 percent of other chemical production and 40 percent of chemical exports (organic and inorganic). The state has more than 4,400 industrial units that manufacture chemicals and chemical products. Having 50 percent share in exports of inorganic chemicals and 39 percent share in organic chemicals, the chemical industry in Gujarat produces around 6,500 chemicals and petrochemicals.

Gujarat is also home to the world's largest grassroots refinery in Jamnagar and India's first operational Petroleum, Chemicals and Petrochemicals Investment Region (PCPIR) in Dahej.

The key growth drivers for Gujarat's chemicals and petrochemicals industry include:

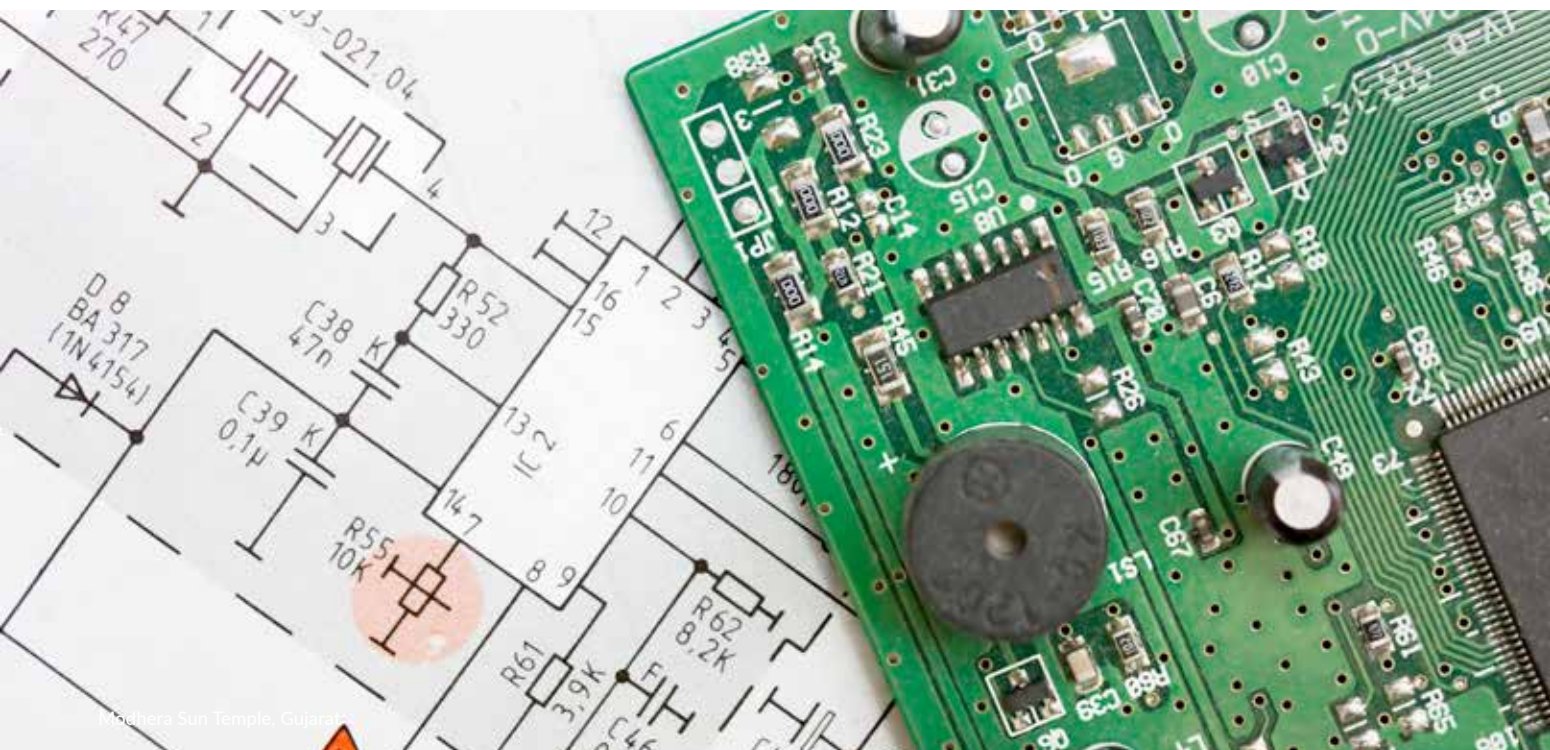
1. Manufacturing sector contributing over 30 percent to State GDP. Strong manufacturing sector leads to continued high demand for chemicals, petrochemicals and intermediates.
2. Presence of manufacturing units across the chemicals and petrochemicals value chain helps optimise supply chains and logistics costs.
3. Six Smart Cities being developed in Gujarat will lead to

increased demand for Construction Chemicals and Paints.

4. Gujarat is a major producer of crops such as wheat, rice, groundnut, bajra, castor, cotton and mango which ensures continued demand for fertilizers and agro-chemicals.
5. Booming automotive sector in Gujarat will give rise to future demand for Automotive Chemicals.
6. Gujarat accounts for over 50 percent of India's polymer production. Plastics industry generates demand for petrochemical derivatives.

With 150 MMTPA crude oil import capacity and 102 MMTPA refining capacity across our complexes, Gujarat has a strong presence across the petrochemicals value chain. As much as 13 percent of India's crude Oil production and 5 percent of Natural Gas production comes from the state. There are also a significant number of clusters of derivatives, plastics and polymers manufacturing, spread across the state.

The chemicals, petrochemicals and intermediates produced in Gujarat serve markets around the world including North America, South America, Europe, Middle East, Africa, Russia, China, South East Asia, East Asia and Australia.



Mohera Sun Temple, Gujarat

ELECTRONIC SYSTEM DESIGN & MANUFACTURING (ESDM)

Gujarat provides ample scope for development of the Electronics System Design & Manufacturing Industry. The state being a gateway to Northern India is uniquely positioned to cater to the markets of the same. The opening up of new markets has thrown up enormous possibilities which can be capitalised by the companies based in Gujarat. Through competitive policy offerings, the Government of Gujarat intends to promote investments in the Electronics sector by boosting skilled employment opportunities.

Gujarat has targeted the ESDM industry to reach a turnover of \$16 billion by 2021 with an investment of \$6 billion. This will lead to employment opportunities for 5 lakh people by 2021. It will also create opportunities for earning forex by import substitution and export promotion to the tune of \$5 billion by 2021.

Electronic manufacturing clusters in Gujarat include Vithalapur, Mundra, Sanand, Jambusar, Bharuch, Vadodara and Halol, among others. In fact, Ahmedabad, Gandhinagar &

Vadodara have been notified as Electronics Manufacturing Clusters under the Electronic System Design and Manufacturing (ESDM) and Modified Special Incentive Package Scheme

(M-SIPS) by the Department of Electronics & Information Technology (DeitY), Government of India.

GIDC has received in principle approval for establishment of a greenfield electronics manufacturing cluster in Khoraj village near Sanand under the Government of India's new ESDM and M-SIPS scheme.

Adani Solar-Mundra Solar PV Ltd, the solar PV manufacturing arm of Adani Group, has a 1.5 GW Cell and Module Manufacturing facility in Mundra. The unit is located in a Special Economic Zone. The company's vertically integrated businesses offer services across the spectrum of photovoltaics manufacturing. It plays host to the entire

solar manufacturing ecosystem from polysilicon to modules, including ancillaries and supporting utilities.

The industry is well supported with educational infrastructure with Indian Institute of Technology (IIT) at Gandhinagar, Sardar Vallabhbhai National Institute of Technology at Surat and Institute of Technology, Nirma University, Ahmedabad providing the trained engineers in ample numbers.



ENGINEERING

With a sound base of 30 engineering clusters, more than 300 units in large sector and 7,500 units in small and medium (SMEs) enterprises, Gujarat contributes around

18% to state's total industrial production and around 9% to the national engineering output. Gujarat was a leading FDI destination for Engineering and Automotive industry. Gujarat was amongst the top three FDI attracting states in India in 2016-17. Automobiles, Telecommunications and Power generation are key engineering sectors that attract 36% of the total FDI inflows in the state.

According to DIPP, FDI in this sector in Gujarat grew at a CAGR of around 58 percent between 2013-14 and 2016-17. Skillset development is one of the top priority areas for the Government of Gujarat. With an intake capacity of 71,799 engineering students, over 7 lakh graduates are added to the state talent pool every year. More than 8 lakh candidates have been imparted computer and IT training through the government's eMPower programme.

The small-scale industry is a significant contributor to the production of brass parts, foundry, forging and machine tools, oil engines and electric motors, submersible pumps and industrial valves and bearings. Gujarat houses 83 product clusters; out of which 30 are engineering product clusters. The brass parts cluster at Jamnagar has over 5,000 small units and

meets almost 70 percent of the entire requirement for brass parts in India.

The growth drivers for Gujarat's engineering industry include:

1. 5 year export growth CAGR of 8.5% touched \$76 billion in 2017-18
2. Influx encourages ancillary units to set up in the vicinity that boosts local engineering sector
3. \$1 billion has been earmarked for infrastructure development in Gujarat in the 2018 budget
4. Metro, Dholera, DMIC and 6 smart cities are being developed in Gujarat which will give a boost to the sector
5. Favorable government policy outlook
6. Periodical revision of policies to adjust for changing business environment
7. State policies providing incentives across manufacturing sectors



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GEMS & JEWELLERY

Gujarat has the highest share (nearly 85 percent) in the total national Jewellery production and accounts for 72 percent of the world's share of processed diamonds. Surat has 65% share in India's diamond trade. Gujarat also accounts for about 80 percent of diamonds processed and 95 percent of diamonds export from India. Almost 8 out of 10 diamonds in the world are processed in Gujarat.

Ninety percent of the total diamonds in Gujarat are processed by about 10,000 diamond units located in and around Surat. Gujarat is also internationally renowned for the production of unique hand-made silver ornaments. A gold jewellery manufacturing cluster in Ahmedabad has a productivity of around 50 gm of production/day, highest in the country. The growth of this industry is primarily attributed to the increase in the demand driven by expansion of the middle class and support from the government in increasing the competitiveness.

Gujarat has identified Gems & Jewellery sector as one of the thrust areas for development. One of the important factors contributing to the growth has been the development of SEZ's by the state. A single-product, SEZ specially dedicated to gems and Jewellery with available infrastructure, Gujarat Hira Bourse (GHB), is located close to Surat city. There is also a multi-product SEZ, Surat SEZ (SurSEZ), which also aids the growth of gems and jewellery sector.

Entrepreneurship merged with skilled craftsmanship is the key enabling factor for Gems & Jewellery sector in Gujarat.

Major institutions offering Labour cost per carat in USD courses specific to Gems & Jewellery include Indian Diamond Institute (IDI), Surat National Institute of Fashion Technology (NIFT), Gandhinagar, and National Institute of Design (NID), Ahmedabad.





HEALTHCARE

Gujarat was ranked 4th in terms of overall performance Index Score based on performance of health outcomes published by NITI Aayog in February 2018. Dahod district in the state has topped in 'Aspirational Districts' released by Niti Aayog in June last year. With three Super Specialty Facilities, 24 District Hospitals, 36 Sub-District Hospitals, 22 Medical Colleges and 307 Urban Health Centers, Gujarat has a futuristic healthcare infrastructure. The state is also a booming hub for medical tourism making a significant contribution towards the growth of \$3-billion medical tourism market in India.

Under the Gujarat Health Policy 2016, the Health & Family Welfare Department, Government of Gujarat provides various incentives and financial assistance to private sectors. The incentives include:

1. Assistance of Rs. 15 lakhs per seat per year in MBBS course for five years.
2. Reimbursement of electricity duty in the electricity bill for five years for private medical colleges.
3. Fifty percent discount on the prevailing market price of the land for trust.
4. 10 percent capital subsidy of bank loan amount with upper limit of Rs.10 crores for establishing new super-specialty hospitals
5. Interest on authorised bank loan amount, upper limit of Rs.40 crores. (up to 4% interest subvention up to 7 years)
6. Reimbursement of electricity duty in the electricity bill for five years
7. Incentives for purchase of new equipment.
8. Establishment of Brownfield medical colleges

At present, there are 26 medical colleges with 4,150 MBBS seats in Gujarat out of which 285 are NRI seats. Government of Gujarat is also encouraging Ayurveda, Naturopathy & Yoga tourism.





INNOVATION AND R&D

The vision of the state government is to realise and harness the potential of innovation which will act as a catalyst for the multi-faceted balanced development and inclusive growth in the state.

Gujarat accounted for over 10% of the total R&D spending of India in 2010-11. The state has attracted maximum foreign technology transfer agreements from 1991 to

2011, giving further boost to research and development. The state has over 35 R&D and specialised institutions, focusing on applied research for major manufacturing sectors including pharmaceuticals and biotechnology, chemicals and petrochemicals, auto and engineering, renewable energy, etc.

One of the key sector for innovation and R&D includes Pharmaceuticals and Biotechnology. The state has 40% of the Contract Research Organisations in the country and the key R&D segments include clinical research, genetic engineering, drug research and development. In 2011-12, Gujarat was seeded as one of the 7 Cluster Innovation

Centres (CICs) for Pharmaceutical sector by National Informatics Centre (NIC).

The CIC has around 450 drugs and pharmaceuticals manufacturing units in Ahmedabad, Vadodara and nearby areas constituting of 7 big, 20-25 mediumsized and the rest

being the small firms. Major products include pharmaceuticals and medical disposable products. The development of CIC has been actively supported by various technical

training institutions, industry associations and government agencies.

Cluster approach based innovation promotion initiatives have resulted in institutionalisation of a one year, partially self funded Techno-Biopreneur programme for

mentoring aspiring life science technology based entrepreneurs among Entrepreneurship Development Institute (EDI), Gujarat State Biotechnology Mission (GSBTM) and Foundation for MSME clusters. Also, a physical facility for preservation of new chemical molecules at Rajkot University has been strengthened through this project.

Under the Support to Research & Development Institutions Scheme, the government is focusing on up-gradation of facilities and setting up of new R&D institutions, testing facilities, incubation centers, etc. For support to R&D Institutions, assistance of up to 60 percent of the project cost is provided (excluding cost of land and building) and for assistance to contract/sponsored research work, assistance of up to 50% of the project cost is provided (excluding cost of land and building) subject to a maximum of \$100,000.

iCreate, or International Centre for Entrepreneurship & Technology, is a Gujarat government initiative to promote innovation. Under this programme, a world class innovation centre is to be developed on a sprawling 34-acre campus aimed to provide the best environment to young entrepreneurs to innovate and create businesses which in turn will result in prosperity of the state as well as India.

Ahmedabad, the capital city of Gujarat, is home to Physical Research Laboratory (PRL). Known as the cradle of Space Sciences in India, PRL was founded in 1947 by Dr. Vikram Sarabhai. As a unit of the Department of Space, Government of India, PRL carries out fundamental research in selected areas of Physics, Space & Atmospheric

Sciences, Astronomy, Astrophysics & Solar Physics, and Planetary & Geosciences.

B.V. Patel Pharmaceutical Education and Research Development (PERD) Centre in Ahmedabad is another organisation which acts as a supportive partner to the

pharmaceutical industry and academia, providing the facilities and resources to undertake the latest in R&D.

Institute of Seismic Research (ISR), Gandhinagar; Anand Agricultural University (AAU); Institute of Plasma Research (IPR), Gandhinagar; Torrent R&D Centre; National Institute of Pharmaceuticals Education and Research (NIPER); Gujarat Energy Research and Management Institute (GERMI); Electrical Research and Development Institute (ERDA); Gujarat Grassroot Innovation Augmentation Network (GIAN); and Central Salt & Marine Chemicals Research Institute (CSMCR), Bhavnagar, are among other premiere

institutions which contribute significantly to the R&D profile of the state.



IT-ITES

The size of ICT industry in Gujarat in FY 2015-16 was \$1.1 billion with estimated total outstanding investments of over \$30 billion in IT sector by FY 2020-21. According to the Department of Science & Technology, Government of Gujarat, there are 1,500+ IT-ITeS companies registered with Gujarat Electronics & Software Industries

Association (GESIA), which are gradually spreading their markets from the US to other regions like Europe, Middle East and Africa. The total computer hardware and peripherals exports from Gujarat in 2016 was \$7 million.

GIFT city, with its world class infrastructure, offers an excellent platform for setting up of export oriented IT/ITeS units. Infrastructure has also been developed at Garima Park in Gandhinagar, Astron IT Tech Park in Ahmedabad and L&T

Technology Park in Vadodra. Gujarat has a Software Technology Park in Gandhinagar with a subcenter in Surat. Services offered include:

- Connectivity solutions from 64kbps to n*64Kbps capacity and above
- OSS Solutions with complete SLA
- End to End link monitoring backed by a strong Network Management Center
- Web Hosting Service and FTP Facility
- Space for Startups, R&D, MSMEs, and Incubation

There were six operational IT/ITeS SEZs in Gujarat in the cities of Ahmedabad, Gandhinagar and Vadodra. In terms of educational facilities, the stretch between Ahmedabad and Gandhinagar is being developed as a knowledge corridor with several Centres of Excellence (CoE) taking shape. The IT/ITeS Policy (2016-2021) of the Gujarat Government offers attractive incentives for Vertical and Horizontal IT/ITeS Parks, IT/ITeS units and R&D Institutions. The policy also underscores that in all e-Governance Projects undertaken by the Government of Gujarat, part of work of value range between 5 percent and 10 percent will be outsourced to startups and students of technical colleges in Gujarat.





MSME

The MSMEs play an important role in Indian economy by contributing nearly 8% to the country's GDP, 45% of its manufacturing output and 40% of its exports. Socially, the sector is instrumental in giving employment to a large number of people thus creating social stability and local engagement, generating regional expertise in various domains.

MSMEs are the bedrock of Gujarat's formidable manufacturing economy. The State has witnessed a strong growth in this sector and wishes to strengthen it by making it more technology-driven. The government offers proactive support for the development of MSMEs, value addition on local primary sources and increase MSMEs' share in the State GDP.

Considering its importance, the new industrial policy of Gujarat

lays special emphasis on cluster development approach by providing special assistance schemes. The schemes not only lay importance on softer interventions such as technology up-gradation with assistance from R&D institutions/university, product design, quality improvement, common branding and marketing facilities, capacity building and productivity improvement but also on harder interventions such as creation of cluster-specific common infrastructure and facilities, development of common facilities such as raw material or product warehouse, testing laboratory, R&D Institution, tool room facilities, incubation center, CFC, ITI extension center and other need-based facilities. The policy's prime focus is on augmenting the incomes of all people dependent on MSMEs and on making industry cluster stakeholders more responsive, efficient and competitive.





MEGA PROJECTS

A sound infrastructure is the backbone of a healthy economy. Gujarat already possesses excellent infrastructure which includes the highest network density of roads, connectivity by rail to all parts of the country, an international airport and major and minor ports. The state has been identifying and developing required

infrastructure in SIRs, GIDC estates or private industrial parks/ areas for which last mile connectivity is a prime concern.

The state has initiated several projects which will re-define India's economic journey and will put the country on the high-growth trajectory. Projects like GIFT City, DMIC/DFC, Dholera SIR, Mandal Becharaji SIR, Ahmedabad- Mumbai High Speed Rail Greenfield Ports Development, Coastal Employment Zone, a 1,000 MW Offshore Wind Farm and other mega infrastructure projects will help cement the strong image of Gujarat as one of the most progressive and developed states in the world.

DMIC is India's most ambitious infrastructure programme with emphasis on expanding the manufacturing and services base and aim of creating futuristic industrial cities by leveraging the "High Speed - High Capacity" connectivity backbone provided by Western Dedicated Freight Corridor (DFC). The estimated investment in the project is \$100 billion with eight manufacturing cities being developed in PHASE I, of which Dholera in Gujarat is one of them.

'Dedicated Freight Corridors' (DFC) are planned to make it cheaper, faster, and more reliable to move goods between industrial heartlands in the North and ports on the Eastern and Western coasts of India. The Western Dedicated Freight Corridor covers a distance of 1,504 km of double line electric (2 X 25 KV) track, of which 565 kms will pass through Ahmedabad, Vadodara, Surat, Ankleshwar, Bharuch, Anand, and Palanpur in Gujarat.

Dholera Special Investment Region will be the biggest beneficiary of DMIC and DFC. This mega project offers advantages like large and contiguous land parcels for industrial development, long term growth potential, fully serviced plots - Plug & Play and smart and sustainable social infrastructure, among others. Dholera SIR is within the proximity of Delhi-Mumbai Industrial Corridor. Dholera SIR is also to be developed as a smart city operational in 2019, which will be the first 'Platinum' rated green city by IGBC. It will also have the worlds largest solar power plant of 5000 MW to be developed on 11,000 hectares with investment of \$3.5 billion.

Mandal Becharaji Special Investment Region (MBSIR) is being developed in north-west of Ahmedabad spread over an area of 102 sq. kms. A Japanese Industrial Zone is being developed at MBSIR which will be home to major auto companies like Suzuki Motor Corp., Honda Motorcycles and Scooter India Pvt. Ltd, and Toyota Tsusho India.

GYPROC: A PIONEER IN DRYWALL CONSTRUCTION TECHNOLOGY



Gyproc India, a market leader in the building construction space and gypsum based solutions for the last three decades, has been enhancing well-being in living spaces with innovative, sustainable products and solutions. A subsidiary of Saint-Gobain group, Gyproc is a pioneer in the drywall construction technology and has been instrumental in creating a designer ceiling category for homes in the Indian market.

Gyproc's wide range of products include plasterboard systems, building plasters, high performance gypsum and glass wool ceilings. Increased urbanization and scarcity of land is resulting in the construction of more number of high rise buildings. Gyproc's drywall solutions are suited for such vertical constructions as they are light weight, faster to construct and greener on account of zero water consumption. Gyproc's India specific approach focuses on sectors like offices, healthcare, hospitality, industrial, residential and allows us to design and introduce the best products catering to specific needs. Gyproc has created benchmarks in the drywall solution by offering enhanced performance in load fixing strength, robustness, fire-safety and moisture resistance. Its innovative products address the comfort needs of the occupants through superior acoustics and good indoor air quality. Gyproc's products are a great support to enable a designer

to create mood-enhancing environments with superior aesthetic appeal and is used extensively in decorative suspended ceilings, which are the pride of many homes.

Gyproc India is a strong advocate of "Make in India" and in Jan 2018 launched its fourth and largest gypsum manufacturing facility with an investment of nearly Rs. 350 crores at their new site in Jhagadia, Gujarat. This facility is the largest gypsum manufacturing plant in India till date with an annual capacity of 30 million square metres, higher than any gypsum based company in India. With the launch and inauguration of the Jhagadia plant in Gujarat, Gyproc has strengthened its presence and in the process to increase its penetration in India. The entity already has three more plants in India located in the states of Haryana, Maharashtra and Karnataka.

As a sustainable and environment friendly product offerings, Gyproc works on the life cycle analysis that helps assess the environmental impact of our products and is the first to have an EPD (Environmental Product Declaration) for its product in India. The entity has also been recognized for its skill development initiatives that works towards bridging the gap between the need and availability for increased demand for skilled manpower. Gyproc India, an early

adopter of Digital technologies like BIM (Building Information Modelling) which seamlessly addresses clients design and material requirements. Through usage of advanced IT platforms in manufacturing, innovative Supply Chain practices and distributed manufacturing Gyproc India is building an organization which is future ready.

Gyproc India is rapidly taking the lead for efficient construction solutions and have gained a strong foothold in the market. It has positioned itself as a preferred choice in the industry and sustained its business through all these years with consistent developments and innovation in products.

ABOUT THE SAINT-GOBAIN GROUP IN INDIA

Gyproc India a subsidiary of Saint-Gobain group in India, a leader in all its major businesses (Glass for Building and Automotive, Gypsum Plasterboard, Abrasives, Ceramic Materials), registered sales of Rs.6398 crores in 2017. Two large entities, Saint-Gobain India Pvt. Limited and Grindwell Norton Limited, a publicly traded company, house Saint-Gobain's businesses in India. The Group currently operates in two of Saint-Gobain's business sectors: Innovative Materials (Flat Glass and High Performance Materials) and Construction Products. www.gyproc.in. ●

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PORTS & MARITIME

Gujarat has been India's maritime crown jewel. Strategically located with India's longest coastline of 1,600 km, the state is the nearest maritime outlet to Middle East, Africa and Europe for India. Dotted with 49 ports which includes one major port and 48 non-major ports, Gujarat has the highest number of operational ports and commercial cargo ports. Gujarat is also the first state in India to invite private sector participation in the port sector.

Gujarat Maritime Board was the first Maritime Board in India, which was established in 1982 to enable holistic development of maritime sector in Gujarat. Known for implementing a policy driven and innovative approach to maritime sector development, the Board operates, regulates and facilitates business at 48 non-major ports of Gujarat. The vision of the Board is to capture



the strategic advantage of India's longest coastline Gujarat is endowed with; develop maritime infrastructure, facilities & services comparable with global standards and to place Gujarat prominently on the international shipping map.

Policy initiatives of Gujarat for the port sector include provision for private companies to develop port/maritime structure on reclaimed land.

Gujarat's share in national maritime trade

- 31% of total national cargo is handled only by Non – Major Ports in Gujarat (2016-17), up from a meagre 3% share in 1982
- 71% of total Indian non-major port traffic handled by Non-Major Ports in Gujarat (2016-17)
- Kandla Port also accounts for a notable share of 16.3% of total cargo handled at all major ports in India in 2016-17; and a 9% share of total cargo handled by all ports across India
- Ports in Gujarat thus collectively handle around 40% of total Indian maritime cargo
- 346 MMT of cargo handled by Non – Major Ports in Gujarat in 2016 – 2017 v/s a total available cargo handling capacity of ~466 MMTPA

SERVICING THE DEMANDS OF A GROWING NATION

Essar Global Fund Limited is a global investor controlling a number of world-class assets, in India and abroad, diversified across the core sectors of Energy, Infrastructure (comprising Ports and EPC businesses), Metals & Mining, and Services (Shipping, IT and Retail businesses). We constantly identify opportunities, and build & nurture world-class assets, thereby creating value for all stakeholders.

METALS AND MINING



70 MT coal mine under development in Indonesia
Significant iron ore resources

OIL & GAS



18 TCF Unconventional Gas Resource
10 MTPA Refining (Stanlow, UK)

POWER



3,830 MW

PORTS



115 MTPA

CONSTRUCTIONS



\$800 million order book

SHIPPING



12 Ships, 15 Land Rigs
1 Semi Submersible

ESSAR 
Poised for the *FUTURE*

\$11.5 | **REVENUE**
BILLION



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PHARMACEUTICALS

Gujarat exported pharmaceutical goods worth \$5.2 Bn during 2016-2017 with USA being the major destination. The state has 559 WHO compliant manufacturing units out of the 1200 units across the country which is the highest amongst all states.

The state manufactured the world's first biosimilar 'Adalimumab' and continues to be the largest producer of contraceptive pills in the world. Gujarat produces 80 percent of the world's Isoniazid (used for treatment of tuberculosis) and 40 percent of India's machinery for pharma sector is manufactured in the state.

Growth Drivers for Pharma in Gujarat:

1. The growth of Gujarat's pharmaceuticals industry has been cluster-driven with 4 major clusters .
2. There are 5 Special Economic Zones dedicated for Pharmaceutical exports from the state.
3. Three new Industrial parks are under development.
4. Vast Talent Pool: A skilled workforce with high managerial and technical competence is readily available in Gujarat with over 4,500 B Pharma & 10,000 MBA seats in Gujarat.
5. Generics Drugs Market: Wide spread awareness of generics among people and government increasing access to quality products through Jan Aushidhi stores which

promotes generics to cater to masses. Approximately 500 such stores are operational in the state.

6. Government Policy: Several disease eradication programmes and a universal healthcare programme have fueled the demand for drugs. Penetration of pharmacies in rural areas has opened up a new market.
7. Availability of R&D Facilities: With the increasing investments in Research and Development (R&D) sector, introduction of new products and medicines development, has boosted research-based growth.

Gujarat as the state has the largest number of 146 licensed medical device companies as against 284 in the entire country. NIPER Ahmedabad is being developed as a National Centre of Excellence for medical devices. The value of medical and scientific instruments exported from Gujarat crossed US\$ 100 million in 2017.





RENEWABLE ENERGY

Gujarat contributes approximately 12% to India's Renewable energy basket. The State has a total potential of 85 GW in wind energy and 85 GW in solar energy. Gujarat is

the 2nd largest producer of wind power in India. The state has a strong base of wind turbine & equipment manufacturers. The Centre for wind energy technology, an autonomous R&D institution under MNRE, has identified and approved total 82 Wind Monitoring Stations for wind energy deployment in the state.

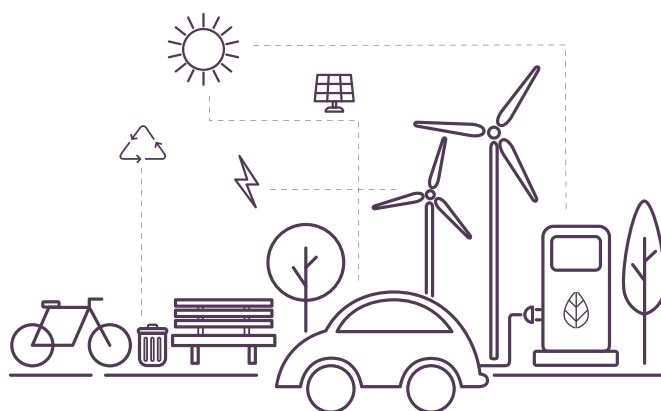
Gujarat accounts for ~8 % of India's total installed solar power. Gujarat has one of Asia's largest solar park with a capacity of over 750 MW in Charanka. India's largest solar cell and module manufacturer, Adani Solar is based out of Mundra, Gujarat. Adani aims to become a fully integrated solar PV manufacturer.

The total bio-mass potential for Gujarat is about 1,800 MW from crop residue and about 140 MW from forest residue. There have been 53.10 MW capacity of biomass projects commissioned in Amreli, Junagadh and Vadodara. There are 16.77 MW waste-to-energy power generation projects and institutional biogas plants with capacity 15730 m³/day across the state.

To bring in more investments in renewable energy sector, Gujarat Electricity Regulatory Commission (GERC) has enhanced the renewable power obligation (RPO) from the current 10 per cent

to 17 per cent for the next four years.

Government of India has declared Gandhinagar as a Model Solar City setting example for Solar Cities throughout India and other nations. Total installed capacity on government buildings in Gandhinagar is 10 MW which contributes about 5.3% of the total Energy demand. Out of the total 10 MW installed capacity, 4 MW is SPV-based grid-connected power generating rooftop systems at government buildings. The programme aims at minimum 10% reduction in projected demand of conventional energy at the end of 5 years.





Modhera Sun Temple, Gujarat

TOURISM

The Vibrant State of Gujarat, a veritable Growth Engine of India, accounts for about six percent of the total geographical area of the Country and five percent of its population. From being a favoured port for mariners, nucleus of business and industry, cradle for culture and religion, epicentre of the Freedom Struggle, home of Mahatma Gandhi and Sardar Patel to the abode of the Asiatic lion, Gujarat is richly endowed with tourism assets.

Gujarat is bestowed with great geographical diversity, from the ethereal saltencrusted desert to the expansive wetlands, pristine beaches to languid valleys, arid grasslands to lush forests. From Dholavira, one of the first cities in the world, to the first prototype of "Smart City" in India, Gujarat has it all. Tourists here soak in the rich cultural diversity, indulge in the various fairs and festivals, savour the cuisine and take back fond memories of their visits which they relish for a lifetime.

The state has 16 beaches on a 1,600-km long coastline, which is largest in India. Gujarat also offers 22 sanctuaries and 4 National Parks, the only white desert in the world and multicultural heritage and monuments to the tourists. The diversity in tourism assets is matched by a robust infrastructure base. In terms of infrastructure, the state has 19 airports (two international Airports), one major and 48 minor ports, 5,300 km long rail network, 1.63 lakh kms of motorable Road and 24/7 power supply, and above all an enviable law-and-order situation.

With total tourist arrival of 45 mn in FY 2016-17, Gujarat has witnessed the growth in tourist flow by over 263% since 2006-07. Gujarat tourism assets include Spiritual destinations, ancient architecture, heritage properties, beaches/water-based attractions, nature and wildlife, fairs and festivals, geographical diversity, diverse cuisines and Gandhi circuit.

The state's tourism policy states that development in this sector requires close partnerships between the governments, the private sector and communities. It is

perhaps the only sector which has a very elaborate and multiple backward and forward linkages with other segments of the economy like infrastructure, transport, construction, environment, water resources, etc. Current trends and growth projections at the Global, National and State level reinforce the immense potential of tourism as a noteworthy contributor to Gross Domestic Product (GDP) and employment.

The vision of the Gujarat Government is to position the state as a vibrant tourist destination, with an emphasis on improving visitor experience, livelihood linkages, environmental concerns and enhancing investment opportunities, thus catapulting tourism as one of the most important economic drivers, leading to sustainable development and inclusive growth in the state.



STATUE OF UNITY

एक भारत, श्रेष्ठ भारत.

A MONUMENT AS TALL AS ITS HERO

Architect of United India

The Statue of Unity, being the World's Tallest Statue, pays a fitting tribute to India's 'Iron Man', who with his visionary statesmanship united 564 scattered and recalcitrant princely States to form a unified India. This inspirational colossus stands as a beacon to future generations and as the pride of India.

A Notch above the Rest

The 182 metre Statue of Unity is situated at the Sadhu-Bet Island, approximately 3.5 km south of the Sardar Sarovar Dam at Kevadia between the Vindhyachal and Satpuda Ranges in the Narmada district of Gujarat. A 300 m long bridge connects the Sadhu Bet to the Memorial and Visiting Centre, which has been developed at the site having all the attractive facets of a tourist hub with both edutainment and entertainment features. An Exhibition Hall is also developed as a visitor attraction focussing on the contributions of Sardar Patel. Many other sightseeing facilities accord a rare enjoyable ambience to visitors at the Statue of Unity.

Out-of-the-world Atmosphere

Statue of Unity and its premises have been conceived and developed as an outstanding tourist hub. A visit to the site is going to be an unforgettable experience for every visitor.

Exceptional Attractions



Shrestha
Bharat Bhavan



Museum &
3D Projection Mapping



Research Centre



Monument
View Point



Tent City



Valley of
Flowers

Upcoming Attractions:



Horse Ride



Water Sports
including Boating

**Come to the World's Tallest Statue to know
more about this Visionary Leader.**

Best time to Visit: The Statue of Unity site is open to tourists for visit every day from 09:00 AM to 05:00 PM. The site remains closed on Mondays, so you can plan your trip accordingly.



For Further Information, log on to: www.gujarattourism.com
For Tent City Booking, log on to : www.tentcitynarmada.com

www.statueofunity.in



TEXTILES

Gujarat accounts for 12% of textile & apparel exports of India. The state is also the largest exporter (60%) and producer (35%) of cotton in India. Having a strong

base with more than 1,100 ginning units and more than 4 million spindles, over 25% of India's technical textiles output comes from Gujarat.

The textile infrastructure offered by Gujarat include:

1. 14 Textiles Parks offering plug and play infrastructure.
2. Three Textile SEZs developed in Ahmedabad with investment of Rs.5 billion.
3. Two composite centers in Ahmedabad & Surat
4. 28 Industrial Training Institutes (ITI) offering courses on textiles and garments
5. The state is home to leading institutions such as ATIRA, MANTRA, NIFT & NID

Ahmedabad Apparel Park (SEZ) and 5 upcoming SEZs for textiles & apparels

The state has presence of 27 clusters including 18 MSME clusters. The state also boasts over 108,000 textile units that are involved in Ginning, Spinning, Weaving/knitting, Processing, Embroidery & zari work, screen printing, etc.

Textiles from Gujarat are exported to about 20 international destinations and the major exported textile products are Meditech textiles, Readymade garments, Yarns & Denims.





INDIAN GATEWAY TO LNG

Petronet LNG Ltd. is importing 7.5 MMTPA of LNG from RasGas, Qatar under a 25 year long-term Sale and Purchase Agreement (LNG SPA).

The supply under the LNG SPA started in the year 2004.

In December 20'15 Petronet LNG Ltd. signed another LNG Sale and Purchase Agreement for 1.0 MMTPA with RasGas, Qatar on CFR basis for 12 years. Petronet LNG Ltd. is also importing 1.44 MMTPA LNG from Exxon Mobil, Gorgon LNG Terminal in Australia.

Petronet LNG Limited

World Trade Centre, 1st Floor, Babar Road, Barakhamba Lane, New Delhi-11001 (INDIA)



www.petronetlng.com

WELCOME TO DHOLERA — FUTURE IS HERE

Dholera SIR, India's First Platinum Rated Greenfield Industrial city about 100 km south of Ahmedabad, is ready to offer to the investors world-class, plug-and-play infrastructure, large land parcels and reliable & affordable amenities that have been benchmarked against the best in the world. In a candid interview, **Jai Prakash Shivahare, CEO, Dholera Special Investment Region Development Authority (DSIRDA)** and **MD, Dholera Industrial City Development Ltd (DICDL)**, talks about the strategic advantages of Dholera and mega projects under implementation for this engineering marvel of India.

Tell us about the advantages of Dholera Special Investment Region.

We have several unique features compared to any other city in India: First, we are creating a world-class ICT enabled plug-and-play infrastructure. Thus, fully serviced land parcels ranging from 5 acres to 370 acres are available for industries to setup their operations immediately. Second, all the utilities like Water, Waste Water, Power, ICT, Urban Planning, and Roads & Underground Utilities are benchmarked against the best in the world in terms of reliability, redundancy and quality of services. These will help industries to reduce their life-cycle cost. For example, in power supply, due to lowest T&D losses, compact area, power ducts with smart metering and future ready infrastructure, Dholera offers one of the lowest power tariffs in the country, thus ensuring huge cost savings on power for the companies during the life cycle of the project.

What kinds of opportunities are being presented by this mega project?

Due to plug and play ready infrastructure

and utilities, many companies that are looking to get started immediately would prefer to be in Dholera and will be able to meet commitments to their clients in time bound manner. As part of Delhi Mumbai Industrial Corridor, Dholera has excellent connectivity with ports as well as hinterland to supply finished goods. Gujarat ranks highest in logistics ranking prepared by LEADS (Logistics Ease Across Different States) Report from Ministry of Commerce & Industry, Government of India in January 2018.

Dholera is strategically located between Ahmedabad and Bhavnagar and it is very well connected with the freight corridor, ports, road and rail services. The nearest port at Bhavnagar is just 65 kms from Dholera, Other major ports in the vicinity are Pipavav, Mundra and Kandla. The National Highway Authority of India (NHAI) has already floated the tender for construction of expressway between Dholera and Ahmedabad, which will become operational by February 2021. This will reduce the travel time from Dholera to Ahmedabad to about



Jai Prakash Shivahare

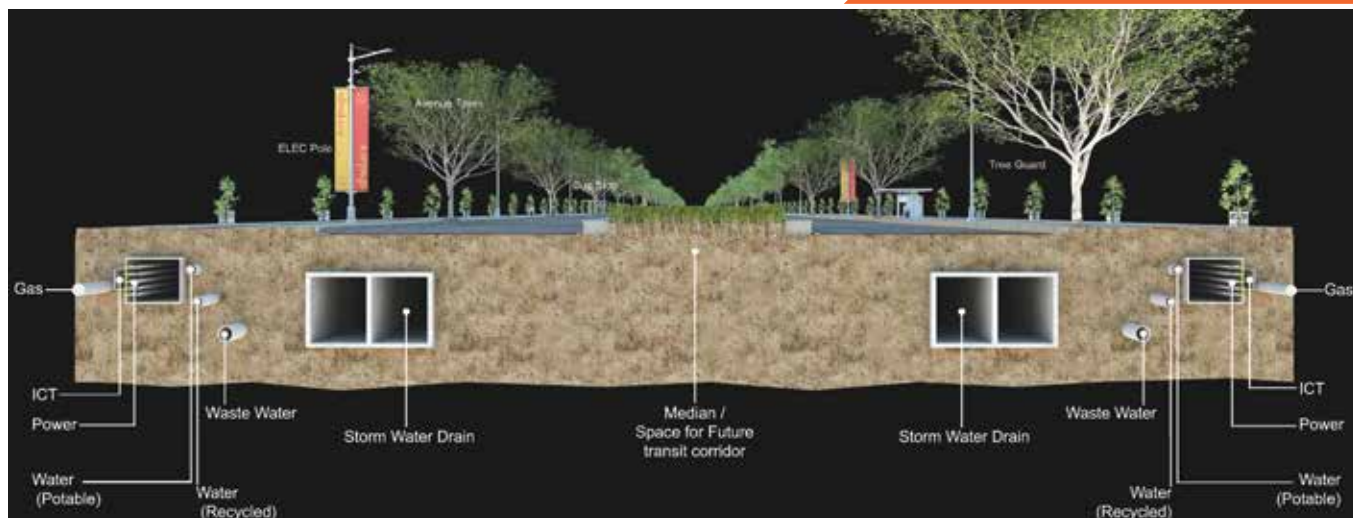
CEO, The Dholera Special Investment Region Development Authority (DSIRDA)

one hour. The Metro rail between Ahmedabad and Dholera, will come along the expressway and will reduce the travel to around 50 minutes. Dholera will also have an International Airport, which will be the 2nd airport for Ahmedabad. It will become the state's biggest airport which will include Passenger terminals for Domestic & International flights and also a dedicated Cargo terminal for freight movement. Thus, connectivity, infrastructure and strategic location make it an attractive location for industries.

What steps/plans are in the offing to develop Dholera SIR into a global manufacturing and investment destination?

Dholera was envisaged as a Greenfield industrial city to cater to the requirements of industries by offering them clear title land, reliable utilities and single point of





contact for all the approvals. Further, to make industries competitive, all efforts have been made to reduce life cycle cost for industries so that businesses can become more competitive in the globalised world. Besides this, the Government of Gujarat has very attractive incentive policies covering the complete spectrum from Start-ups to Mega & Ultra Mega Industries. There are also sector specific policies such as defence and aerospace policy, IT and electronics policy, garments and apparel policy etc. and policies for setting up skill development and training centres to cater to whole gamut of requirements of industries. Thus, a transparent policy driven eco-system, coupled with world class infrastructure, provides great opportunity for companies to setup their operations in Dholera.

How do you see the Vibrant Gujarat 2019 as a prospective to the Dholera Special Investment Region?

This kind of mega project takes lot of time in studies, environmental clearances, design, planning, and implementation. To put this in perspective, the biggest contract for Roads and Services was tendered in 2015 and construction work started in March 2016 with a timeline of 42 months for its completion. The area of our first phase, called activation area is having an expanse of 2254 Hectares, which is roughly half of today's Gandhinagar city or about the same size as the island city of Mumbai. Finally, Dholera, a dream project is becoming a reality. Vibrant Gujarat 2019 is a great opportunity for us to highlight coming of Dholera. Therefore, as part of Vibrant



Gujarat promotions, official delegations went to 24 countries to highlight strengths of Gujarat as a business and investment destination. Dholera has been showcased in all these events which has raised awareness about Dholera. As a result, large number of companies have visited Dholera in past few months and many more are scheduled to visit the site during Vibrant Gujarat summit. Talks are going on with many companies, both Indian and multinational, and we are expecting to finalise land allotment to some of these companies very soon.

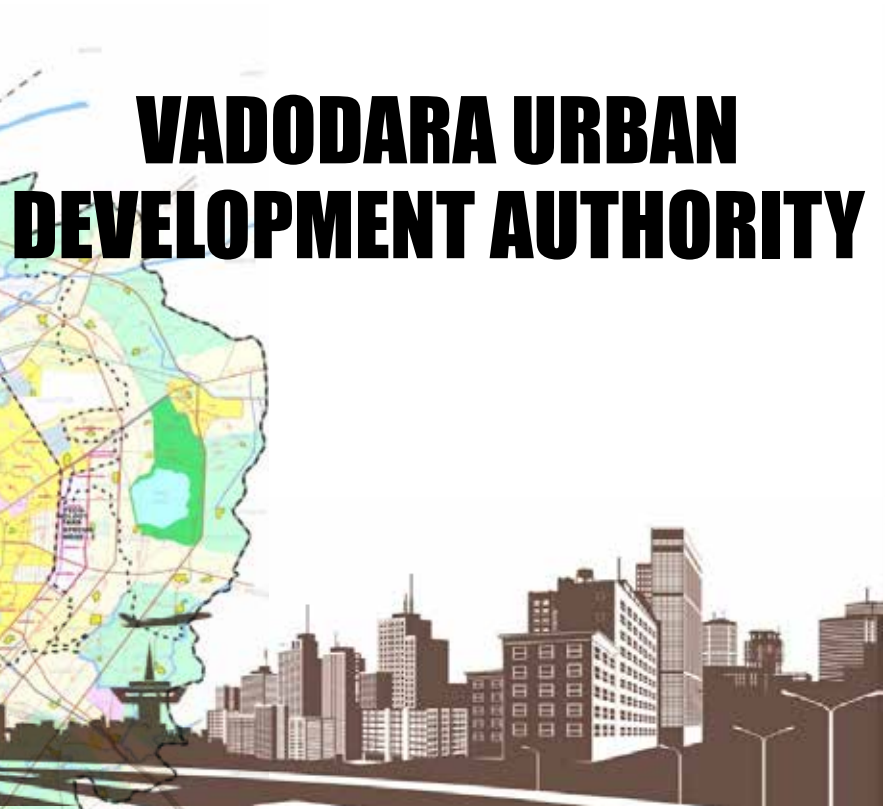
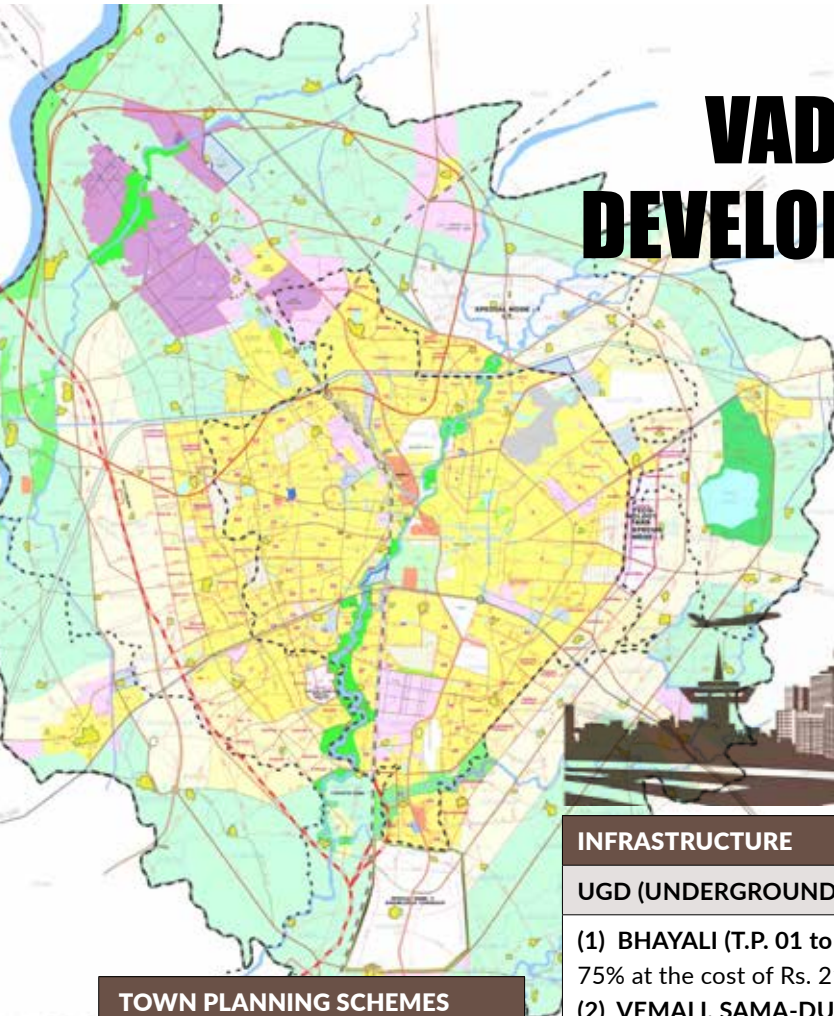
How has been the progress of the Dholera SIR smart city project?

The projects worth Rs 3,000 crore are already under implementation. We are also coming up with a City Integrated Operations Centre which will be equipped with state-of-the-art systems to get feed from whole city through CCTV cameras, SCADA system and sensors. This feed will be analysed and data will be made available to residents and industries to plan and run their operations in a better way. This will also help administration run the city in a truly smart way. With this integration, we are bringing all the



components of Smart City under one roof. Dholera is Industry 4.0 ready and will host new age industries that will bring new opportunities for our youths.

Recognizing that great cities around the world have a strong educational and research component, we have entered into an strategic partnership with Indian Institute of technology (IIT), Delhi to set up incubation centre in Dholera for developing and promoting new technologies. Through designs, systems and tie ups with renowned research institutions, we are motivated to make Dholera a city that will derive its strength and competitive edge by remaining innovative, agile and sustainable. Dholera, with high green cover, parks, public spaces, well designed communities, wide pedestrian pathways and cycle tracks is India's first Platinum rated city. With provision of high standards of social amenities and 10% land for housing for economically weaker sections, Dholera is poised to be a more humane city, where all sections of society can enjoy a good quality of life. We are confident that Dholera will usher a new era of holistic living and will become a role model for future Greenfield cities in India. ●



VADODARA URBAN DEVELOPMENT AUTHORITY

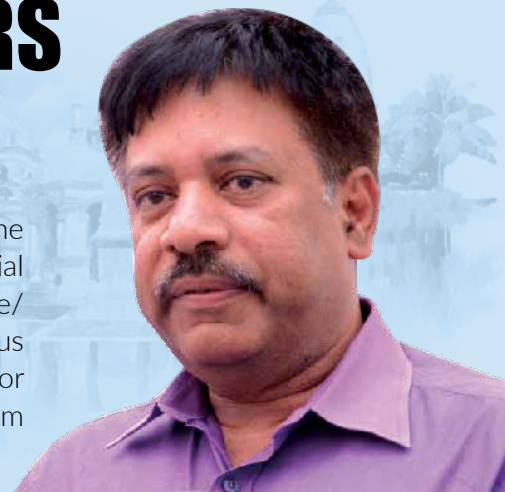
TOWN PLANNING SCHEMES
AREA OF VUDA INCLUDING VMC: 714.56 sq.kms
TOTAL NO. OF TP SCHEMES: 25 (DRAFT/PRELIM/FINAL)
UNDER PROGRESS: 10
AREA COVERED UNDER TP SCHEMES: 12752.98 ha

AHM (AFFORDABLE HOUSING HOME)
TOTAL: 6042
COMPLETED: 832 at the cost of Rs. 59.35 cr.
UNDER PROGRESS: 2028 at the cost of 137.77 cr.
UNDER PLANNING: 2182 at the cost of Rs. 173.25 cr.
FUTURE PLANNING: 1000

INFRASTRUCTURE
UGD (UNDERGROUND DRAINAGE):
(1) BHAYALI (T.P. 01 to 05): 43 k.m. Underground drainage is completed upto 75% at the cost of Rs. 21.74 cr.
(2) VEMALI, SAMA-DUMAD-VEMALI (T.P. 02): 21.50 k.m. Underground drainage is completed upto 65% at the cost of Rs. 12.40 cr.
(3) EASTERN DEVELOPMENT AREA (HANUMANPURA, ANKHOL, SIKANDARPURA, SAYAJIPURA, KHATAMBA, SHRI POR-TIMBI): 12 k.m. Underground drainage is Completed upto 90% at the cost of Rs. 10.17 cr.
STP (SEWAGE TREATMENT PLANT)
UNDER PROGRESS
(1) VEMALI (T.P. 01) 2MLD: 98% work completed at the cost of Rs. 4.49 cr.
(2) BHAYALI (T.P. 05) 5MLD: 10% work completed at the cost of Rs. 7.40 cr.
(3) UNDER PLANNING at Talsat Tarsali.
WATER SUPPLY SCHEME:
20% work is completed at Ankhol village at the cost of Rs. 4.51 cr for drinking water supply.
ROAD
COMPLETED: 146.02 k.m. Roads in 13 T.P. Schemes at the cost of Rs. 113.41cr.
UNDER PROGRESS: 22.4 k.m. Roads in 5 T.P. Schemes at the cost of Rs. 32.84cr.
UNDER PROGRESS: 0.77 k.m. Roads in 1T.P. Schemes at the cost of Rs. 1.01 cr.
RAINWATER DRAIN: 1.43 k.m. Rain-water Drain is completed at the cost of Rs.10.48 cr.

NURTURING ENTREPRENEURS FOR NEW INDIA

Working in the area of entrepreneurship development for the last 39 years, the **Centre for Entrepreneurship Development (CED)** is nurturing the potential entrepreneurs by providing them a platform to share their ideas and refine/ fine tune them with help of experts; guide them for raising fund from various sources; make aware about the government support; and direct them for procurement of resources, says **Dr R N Prasad, Director, CED**. Excerpts from an interview:



The Centre for Entrepreneurship Development, which is focused on encouraging entrepreneurs in Gujarat's urban as well as rural areas, is steadily boosting development in the State. What innovative technology is being utilised to reach out to maximum people?

The Centre for Entrepreneurship Development (well-known as CED) has taken initiatives in the direction of entrepreneurship development by adopting technology in administrating and operationalising the process from selection of trainees to their certification. CED has adopted MIS and implemented it in five regional offices, 57 entrepreneurship development cells, and more than 100 skill development training centers across Gujarat. CED has implemented online biometric attendance for the participants. This technological adoption has speeded up the attendance process and has reached out to the beneficiaries with complete transparency.

How is CED playing an instrumental role in supporting the start-up ecosystem in the state?

Since inception, CED has been working for mass entrepreneurship by taking care of the last person in the line residing in a village. CED has been instrumental in supporting the start-up ecosystem for new ventures by nurturing potential entrepreneurs by screening and training them with the help of renowned faculties and mentors. CED provides a platform to

the prospective entrepreneurs to share their ideas and refine/fine tune them with help of experts; guide them for raising fund from various sources; make aware about the government support; and direct them for procurement of resources. CED also provides networking opportunities to entrepreneurs by organising entrepreneurs' meets. CED appreciates and encourages entrepreneurs by promoting their success stories on various social media platforms. CED has been working tirelessly in the area of entrepreneurship development since 1979. We should keep in mind that robust ecosystems take decades to develop.

Is CED facilitating Ease of Doing Business for not just domestic investors but foreign investors as well? How?

The Government of Gujarat is committed to Ease of Doing Business. CED is a premier training institution of the state government in the entrepreneurship and skill development domain. Our faculties during their lectures ensure that the trainees are informed of all the changes taking place in all policy and implementation related issues. Such information helps them a lot.

What is this new initiative in skill development in Robotics and Patent Rights all about?

CED has collaborated with Gujarat Chamber of Commerce and Industries (GCCI) to ensure that industries in Gujarat remain aware of various skill development initiatives of the Government of Gujarat.

CED has set a skill development centre in area of robotic welding at LD College of Engineering. Robotics and artificial intelligence are getting attention of the industries. The GCCI Committee on IPR and skill development and CED jointly organised a seminar on this subject on 5th January, 2019, and it is getting attention of all.

How is CED planning to run a special counseling cell for SC/ST participants for supporting their new enterprises/ventures?

CED is encouraging entrepreneurship development programmes in Gujarat for Scheduled Tribe (ST) and Scheduled Caste (SC) participants for long. CED has been organising various training programmes for SC and ST participants through state government and central government support. The training includes practical sessions on entrepreneurial opportunities in dairy farming, agriculture, bee keeping, fishing, organic farming, mushroom farming, vegetable/horticulture nursery management, dehydrated fruits-vegetables/food processing techniques like mango pulp, ginger, amla, borr juice, potatoes, banana chips and picklemaking. The SC/ST participants are mentored through follow-up meetings in their entrepreneurial journey. CED empowers SC/ST entrepreneurs through awareness programmes, skill development programmes and vendor development programmes. We actively provide hand holding support by guidance, assistance, encouragement and motivation. ●



Since 1979

The Centre for Entrepreneurship Development (CED)

(A GOVT. OF GUJARAT ORGANIZATION)



The Centre for Entrepreneurship Development (CED) is a premier Organization of Government of Gujarat engaged in Entrepreneurship Development and Training since 1979 and Skill Development since 2009. **Concept behind CED is to develop entrepreneurs in the urban as well as rural areas of the state, who can establish their own Enterprise (Trading/Service/Manufacturing) which in turn aids in economic growth of the state and also creates employment opportunities for others.**

"Now a days in the era of Globalization along with job opportunities development of entrepreneurs is also essential. An individual, if guided and supported, can initiate own enterprise and provide job opportunities to others. These developmental activities bring improvement in the economic as well as social condition of country."

<p>Vision:</p> <p>To empower the people of Gujarat through Entrepreneurship Development and Skill Development.</p>	<p>Mission:</p> <p>To conduct over 100 Entrepreneurship Development Programs every year across the state.</p>
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ENTREPRENEURSHIP DEVELOPMENT PROGRAM

- (1) Entrepreneurship Awareness Program (EAP)
- (2) Entrepreneurship Development Program (EDP) (For Prospective & Existing Entrepreneurs)
 - EDP through 5 Regional Office (Ahmedabad, Rajkot, Bhavnagar, Surat, Vadodara)
 - EDP through Institutes
 - CED Regional Centre Scheme (For Universities)
 - Entrepreneurship Development Cell Scheme (For Colleges & Educational Institutes)
 - Special /Sector Specific/General EDP at CED Naroda Campus
 - EDP through individual
 - Ambassador Scheme (District level)
 - Coordinator Scheme (Taluka Level)

- (3) Human Resource Development & Achievement Motivation Program (HRD)
- (4) Second Generation Program (SGP)
- (5) Entrepreneurship Awareness Camp (EAC)
- (6) Faculty Development Program (FDP)



H.O.: Block No. 1, 9th Floor, Udyog Bhavan, Sector 11, Gandhinagar - 382 017
CED Naroda Campus: Plot No.87-88, GIDC, Near Samrat Namkeen, Naroda, Ahmedabad - 382 330

REGIONAL OFFICES:

<p>AHMEDABAD C/o District Industries Centre, 1st floor, Beshal Bhawan, Relief Road, Ahmedabad-380001</p>	<p>BHAVNAGAR C/o. District Industries Centre, O/o. Polytechnic College, Bhavnagar-364001</p>	<p>RAJKOT C/o. GSFC, 1st Floor, Beside Life Building, Race Course Ring Road, Rajkot-360001</p>	<p>VADODARA B-105, Manu Bhai Tower, Kaleghoda, Sayajigam, Vadodara-390020</p>
<p>SURAT C/o. GSFC, Mirambika Complex 2nd Floor, Opp. Ganesh Baug, Chowk Bazar, Surat-395001</p>			

SOME OF THE SUCCESSFUL ENTREPRENEURS OF CED



RAJKOT REGION
Mrs. Saritaben Kapupara,
Hem Vastra
After completing her training in CED, she has started her unit with investment of Rs. 1 Crore.



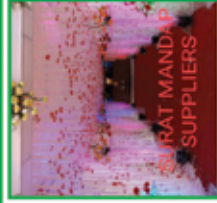
BHAVNAGAR REGION
Mrs. Manali Trivedi,
RBT Wire
After completing her training in CED, she applied to PMEGP for financial assistance and, she got financial support of INR 20,90,000/- by State Bank Of India, Bhavnagar.



AHMEDABAD REGION
Ms. Krishna Dornadia,
Bhagirath Solar System
After completing her training in CED, she has started her unit of Solar Home Light Kit by investing Rs. 10 Lacs



VADODARA REGION
Mr. Swagnil Mohite
Café INGRESS
After completing his training in CED, he has started his unit by investing Rs. 9 Lacs.



SURAT REGION
Mr. Kartik Chauhan,
Surat Mandap Suppliers
After completing his training in CED, he has started this by investing Rs. 6 lacs.



Since 1979

The Centre for Entrepreneurship Development (CED)

(A GOVT. OF GUJARAT ORGANIZATION)



SKILL DEVELOPMENT PROGRAM [For Faculties (Technical Institutes)/Trainers/Industries/Students]]

Government of Gujarat has evolved the following schemes targeting youth to provide need based, industry-responsive and technical competent work force to the industries. The primary aim of these schemes is removal of disconnect between demand and supply of skilled manpower. CED works at state level for implementing skill development schemes.

State Government Schemes

In view of the strategy under Gujarat New Industrial Policy, 2015, State Government has introduced a "Scheme for Enhancement of Technical Competence and Manpower".

- (1) Financial Assistance for setting up of Anchor Institute
(By Universities/ Equivalent Institutes)
- (2) Short-term Bridge Courses by Industries in association with Technical Institutes
- (3) Specialized Skill Development Centers
(By Industries with expertise in specialized schemes)
- (4) Skill Up-gradation Centres (SUCs) in GIDC Estates
(By Industries/ Industry Associations)
- (5) Skill Development to MSME Sector (By reputed Industries/ Institutes)
- (6) Support for setting up Gems & Jewellery Training Centre/Institute
(By Training Institute)
- (7) Assistance for Tuition Fees for Enhancement of Skills
(By University/ Engineering College/ Polytechnics/ ITIs/ Industry Associations/ Govt. Affiliated Institutes / Recognized Centres)

Central Government Schemes

- (1) Cluster Development:
To enhance the productivity, competitiveness & Capacity Building for Micro & Small Enterprises
(By setting up of Common Facility Centre)
Textile Sector in Gujarat
(By Empanelled Training Centres)
- (2) National SC/ST Hub Scheme (NSSH)
To encourage & Facilitate SC/ST Entrepreneurs to be a part of Vendor Development Program and procurement process of Government.



Entrepreneur's Meet 2018



WATER — MAKING EVERY DROP COUNT



Shri J P Gupta, IAS
Principal Secretary (Water Supply)
& Chairman, GWSSB
Government of Gujarat

Driven by its vision to ensure availability of adequate water for all on a sustainable basis, **Gujarat Water Supply and Sewerage Board (GWSSB)** is committed to develop a state-wide robust water supply infrastructure and find innovative ways to address water scarcity in the state.

Gujarat is the growth engine of India. The Government of Gujarat is committed to make available potable drinking water to all its citizens, and to agriculture and industry to boost economic growth. Towards this end, it has taken steps to harness surface water to the maximum, and now endeavours to develop new avenues. Besides, treatment and reuse of waste water is becoming a priority area.

The State has 5.96 percent of the Nation's geographic area with 5 percent population but only 2.63 percent of the country's water resources. The per capita fresh water availability is about 920 M3/Capita/Annum against the national average of 1545 M3/Capita/Annum.

The pragmatic and positive leadership of the State Government has taken initiative to create "Statewide Water Supply Grid" with an aim to address the water scarcity situation of the state on a sustainable basis. Robust infrastructure has been created to ensure adequate water for all.

Now it's time to go beyond it, time to discover non-conventional source of water to boost the pace of growth. The longest coastline in the country provides opportunities.

Desalination Plants

To decrease dependency on Narmada water and, to provide water security, the State Government has decided to establish various desalination plants to convert the sea water to potable water. This approach is being used to create water sources at local level in far flung areas for drinking purpose.

The State Government has decided to implement the first project of Desalination Plant of 100 MLD Capacity at Jodiya village in Jamnagar District on PPP Mode (DBFOT Base). Work order has already been issued and Agreement signed. Seven plants of capacity ranging from 20 to 50 MLD are planned to be implemented in near future. The desalination projects offer



opportunities to the investors through global bidding.

Reuse of Treated Waste Water

The State Government has also recently introduced the policy for 'Reuse of Treated Waste Water'. The policy entails to maximise the collection and treatment of sewage generated,



and reusing the treated waste water on a sustainable basis, thereby, reducing dependency on freshwater resources and to promote treated wastewater as an economic resource. The Government has set clearly defined objectives that it seeks to achieve and abide by the guiding principles as part of its endeavour to generate usable water for daily life.

The mandate of use of the treated wastewater, as outlined in the policy framework, calls for the use on the principle of substitution of fresh water for specific purpose. It is mandatory for all Thermal Power Plants, Gujarat Industrial Development Corporation (GIDC) estates, industrial units in Special Investment Region (SIR), industrial parks and large industrial units which are consuming fresh water for non-potable purpose within a distance of 50 km from the STP or city limits to use the treated wastewater. However, it shall not be mandatory to use TWW wherever it comes in direct contact with human beings or is used in processes resulting in products for human consumption. The water will be used for maintenance of parks and gardens, developing urban landscaping, rejuvenation of water resources, and for fire brigades.

Understanding the objectives

- To reach a level of 100% treatment of collected sewage as per the prescribed standards.
- To reach minimum 80% coverage and collection of sewage in all municipal towns.
- To reuse at least 25% of total fresh water consumption from TWW within the time limit set under policy by every municipal body.

- To reuse 70% of Treated Waste Water by 2025.
- To reuse 100% of Treated Waste Water by 2030.

Presently, fresh water use in Municipal Corporation, Municipality and Panchayat Rurban area is 5,244 MLD (Millions Litres Per Day). Presently, underground drainage system is available in all 8 municipal corporations, 154 of 162 municipalities and 85 Rurban areas. These systems collect sewerage which is treated through Sewage Treatment Plants (STPs) established for the purpose.

Presently, about 2,600 MLD of sewerage is being treated through 52 STPs. Besides, 20 STPs are under planning/execution in municipal corporations. Underground drainage network projects are implemented in 154 municipalities of which STP is available in 18 municipalities, 34 under construction phase and 120 STPs are under planning.

Whereas tenders for 37 STPs are in various phases, 55 STP tenders are to be invited. Thus, 161 STPs are under planning or execution which will add to approximately 2,800 MLD treatment capacities to the current within two years.

With this, the total TWW availability will rise to over 5,000 MLD in Gujarat. This offers a tremendous opportunity to use TWW and augment water resources economically.

In sum, the endeavour is to value and utilise every drop of water which is now one of the prime focuses of the Government of Gujarat. The State seeks to enhance water security besides boosting growth and development in a sustainable manner.

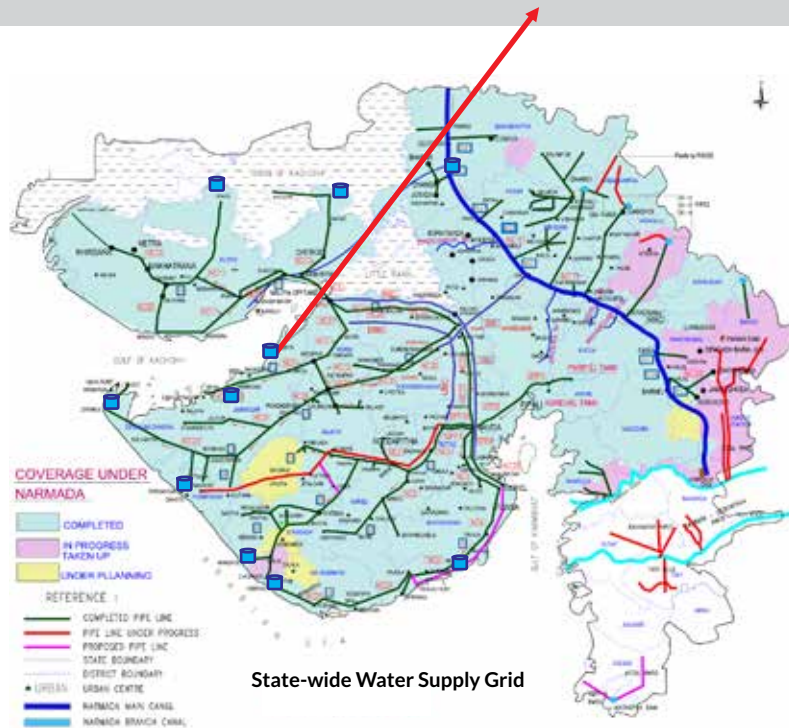
The TWW projects are being implemented on PPP basis (hybrid model) by integrating both treatment and distribution network. More than 50 such projects are likely to be implemented in the next two years. ●



GUJARAT WATER INFRASTRUCTURE LIMITED



Agreement signing for first public desalination plant at Jodiya in the presence of Hon. CM



Water Infrastructure in Gujarat



'Reuse of Treated Waste Water' Policy was launched by Hon. Chief Minister - A visionary step towards efficient water management

Bulk Pipeline	2,893 km
Distribution Pipeline	1,21,769 km
Hand Pumps	2,69,705
Tube wells	8201
Mini Pipe Schemes	15,487
Filtration treatment plants	238
Solar Pumps	746 (775 Solar based Mini Water Supply Schemes)

GIDB: A CATALYST FOR GUJARAT'S INFRASTRUCTURE DEVELOPMENT

Established under the GID Act, 1999, the **Gujarat Infrastructure Development Board (GIDB)** is a focal organisation which promotes private sector participation in the infrastructure sector and provides legal framework and roadmap for Public Private Partnership (PPP) Model.



With the Honourable Chief Minister of Gujarat being the Board chairman, and Honourable Deputy Chief Minister as Vice Chairman, Gujarat Infrastructure Development Board (GIDB) acts as a nodal agency for development of infrastructure in the State.

GIDB itself does not develop infrastructure services, but acts as a catalyst for their development. From remarkable ports to world-class airports; from a widespread road network to a highly efficient rail network; and from industrial parks to Special Investment Regions (SIRs) – GIDB's footprints can be traced through every infrastructure project across Gujarat.



The Board has been declared and designated as the Apex Authority for the purpose of Special Investment Regions (SIRs) under section 5 of the Gujarat Special Investment Region Act-2009.

The Board has been declared and designated as the Apex Authority for the purpose of Special Investment Regions (SIRs) under section 5 of the Gujarat Special Investment Region Act-2009. GIDB has also been designated as nodal agency for DMIC and DFC projects and for Viability Gap Funding (VGF).

The Board extends advisory services to various government agencies.

GIDB conducts capacity building programmes to train government officers in the area of public private partnerships in infrastructure sector. The

Board has organised 15 training sessions in which 500 government officers were upskilled in nitty gritty details of PPP specific to infrastructure sector in Gujarat.

In order to put Gujarat in the league of developed countries in terms of infrastructure, GIDB has prepared a vision document – Transforming Gujarat: The 2030 Vision for Sustainable Development.

In order to meet Gujarat's future logistic needs, GIDB is also preparing an Integrated Logistic Policy for EXIM and Domestic Cargo and is also preparing a Railway Master Plan for the state of Gujarat. ●



सत्यमेव जयते
GOVT. OF GUJARAT



Department of Science & Technology
Government of Gujarat

Gujarat State Biotechnology Mission (GSBTM)



Research & Development

- Research Support Scheme
- Network Programme on Cancer Research
- Bioinformatics Facilities

Business Development

- Biotech Policy - 2016-21
- Savli Biotechnology Park
- Guj. Biotech. Venture Fund
- Biothon - a Hackathon
- DSIR-GSBTM-TOCIC

Human Resource Development

- Financial Support for Activities
- Biotechnopreneur Programme®
- HRD Activities like...
IBTP, GIBioN, N-BT-CBC,
Biosafety Training Program

Gujarat State Biotechnology Mission (GSBTM)

Department of Science & Technology, Government of Gujarat

Block - 11, Floor - 9, Udyog Bhavan, Gandhinagar - 382017

Phone: 91-79-232 52197 Fax: 91-79-232 52195

Website: <https://btm.gujarat.gov.in>

Email: ssibtm@gujarat.gov.in



BIOTECHNOLOGY POLICY FOR GUJARAT

Start-up & Incubator

- Capital Assistance up to Rs 1 Crore & Software Procurement Assistance up to Rs 50 lacs for new Incubator
- Assistance for Operations and Mentoring & attractive 9% Interest Subsidy for Start-Ups
- Up to Rs 10 lakh Grant for Establishing Pilot Production Facility to Start-Ups
- Support of Rs. 1 Lac for Market Development and Rs. 1 Lac for Product Prototype Development
- Up to Rs 20,000/Month for Skill Certification Grant
- Electricity Tariff Assistance and 100% Reimbursement of Electricity Duty
- 100% Reimbursement of Stamp Duty, Registration and NA Conversion Fee

Finishing School & R&D Support

- Capital Assistance up to Rs 1 Cr for Setting Up New BT Finishing School
- Up to Rs 10 lakh per Module Operating Assistance to BT Finishing Schools
- Up to Rs 25 lakh for Contract and Sponsored Research Project
- Up to Rs 50 lakh for Setting Up Shared Industrial Testing Facility
- Assistance towards Obtaining National and International Patents

BT Unit

- Capital Subsidy for New Manufacturing Facility from Rs 5-50 Crores
- Interest Subsidy @ 5%, - From Rs. 2.5 - 10 Crores/Annum
- Attractive Lease Rental Subsidy, EPF Grant for the Added Workforce
- Electricity Tariff Assistance and 100% Reimbursement of Electricity Duty
- 100% Reimbursement of Stamp Duty, Registration and NA Conversion Fee
- Assistance for Quality Certification, etc.

BT Park

- Support for Vertical BT Park as well as Horizontal BT Park
- Assistance upto Rs 25 Crores as Capital Subsidy
- 100% Reimbursement of Stamp Duty, Registration and NA Conversion Fee
- Electricity Power Tariff Subsidy and 100% Reimbursement of Electricity Duty







EVENT CALENDAR 2019

EVENT NAME	PLACE	MONTH
URBAN / SMART CITY / IT / INNOVATION / ENERGY		
Digital Innovation and Cybersecurity Summit	Gurugram	15 January 2019
Elets Port Summit	Mumbai	16 February 2019
Innovation Summit	Jaipur	February 2019
Punjab Smart City Conclave	Chandigarh	February 2019
National Sustainability Summit	Almora	February 2019
National Energy Summit	Delhi	February 2019
ELETS SPECIAL INITIATIVE		
Vibrant Gujarat Souvenir	Gandhinagar	18-20 January 2019
Mumbai Port Trust Special Souvenir	Mumbai	February 2019
Special Souvenir at Innovation and Startup Summit	Banda	28-30 January 2019
TECHNOLOGY / BFSI		
3 rd BFSI Leadership Summit	Mumbai	13 February 2019
6 th NBFC100 Tech Summit	Delhi	1 March 2019
7 th NBFC100 Tech Summit	Chennai	April 2019
4 th BFSI CTO Summit	Mumbai	June 2019
HEALTH		
2 nd Healthcare Innovation Summit	Hyderabad	22 February 2019
Urban Healthcare Summit	Mumbai	7 March 2019
EDUCATION		
9 th School Leadership Summit	Bengaluru	1 February 2019
9 th Higher Education & Human Resource Conclave	Hyderabad	4-5 February 2019
10 th Higher Education & Human Resource Conclave	New Delhi	15 March 2019
10 th School Leadership Summit	New Delhi	12 April 2019
11 th School Leadership Summit	Chandigarh	27 April 2019

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Atal Mission for Rejuvenation and Urban Transformation (AMRUT)

Purpose

- Ensure that every household has access to a tap with assured supply of water and sewerage connection
- Increase the amenity value of cities by developing greenery and well maintained open spaces (e.g. parks); and
- Reduce pollution by switching to public transport or constructing facilities for non-motorized transport (e.g. walking and cycling).

Thrust Areas

- Water Supply
- Sewerage & Septage Management
- Storm Water Drainage
- Green Spaces & Parks
- Urban Transport

AMRUT Projects in Gujarat

- 44 Nos. Sewage Treatment Plants (STPs) of total 1597 MLD Capacity amounting to Rs. 2100 Cr. are taken up.
- 14 Nos. Water Treatment Plants (WTPs) of total 898 MLD Capacity amounting to Rs. 540 Cr. are taken up.
- 67 nos. of projects for Sewer network amounting to Rs. 955 Cr. are taken up.
- 108 nos. projects for Water Supply Network amounting to Rs. 1165 Cr. are taken up.
- 41 Nos. Storm Water Drainage Projects amounting to Rs. 265 Cr. are taken up.
- 64 nos. Urban Transport Projects amounting to Rs. 175 are taken up.
- 116 Nos. of Garden Projects amounting to Rs. 100 Cr. are taken up.

About Gujarat Urban Development Mission

The Gujarat Urban Development Mission was established vide Urban Development & Urban Housing Department (UD&UHD) GR No. Urban-2005-489-Urban Mission on 20-01-2006. The Gujarat Urban Development Mission (GUDM) works as State Level Nodal Agency (SLNA) for centrally sponsored schemes and state-sponsored schemes related to Urban Infrastructure Development. The main functions of the Gujarat Urban Development Mission is to provide technical support; financial assistance for different project in urban sector; raising funds from Government of Gujarat, Government of India and other financial institution; co-operate and collaborate with national and international agencies, departments of state government; launching large scale IEC and awareness programs, review and monitor the ongoing projects and to develop urban leadership and capacities of ULBs.

“Under AMRUT, 31 cities of Gujarat are covered which includes 8 Municipal Corporations, 22 Class ‘A’ Municipalities & Dwarka Municipality (HRIDAY City). The mission covers 71% of Gujarat’s urban population.”



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Phone: 079 - 23257582, Email: info@gudm.org, Website : www.gudm.org



Gujarat Urban
Development
Mission

GSCSCL: SPEARHEADING INNOVATIONS IN LOGISTICS & SUPPLY



The Gujarat State Civil Supplies Corporation Limited (GSCSCL) is the nodal agency wholly-owned by Government of Gujarat for the logistics and implementation of various services of TPDS. GSCSCL is also providing supply and logistics support to the other welfare schemes like Mid-Day Meal Scheme (MDM) and Integrated Child Development Services (ICDS) in the State. The Corporation has been at the forefront in taking innovative initiatives to improve efficiency of its logistics and supply system keeping in view the needs of the end users. Some of the recent initiatives taken by GSSS include:

GSCSCL eRAMS (Electronic Reverse Auction Management System)

Prior to the launch of this innovative initiative, the entire process of awarding contract to transporters, labour and door step delivery was through eTendering process. The tendering process for transport contracts for lifting stock from FCI to godown is been carried out by head office wherein tenders for door step delivery contracts are carried out by DSM Office (District office) in every taluka.

The project is designed based on the fundamental principle of good governance, transparency, reliability

and convenience from the view point of end users and stakeholders. GSCSCL has implemented reverse eAuction to execute online e-auctions efficiently, secured, transparent and automated environment using best standard industry practice without compromising their existing processes.

Project Objectives

- GSCSCL aimed to award logistics and labour contract using reverse e-Auction method.
- To do the re-engineering of process (if any) and bring uniformity and automation at various levels, i.e.,

submission of documents, scrutiny and approvals .

- To expedite the end to end auction process of auction from creating auction, publishing, monitoring till announcement of winner.
- To enable Bidders to register and participate in auction from anywhere.
- 24x7 online service availability to all the stakeholders by providing a secure, reliable, efficient, sustainable and integrated web based solution.
- Ease in information accessibility to all the stakeholders like Bidders, Department, etc.
- Effective monitoring and transparency in auctions.
- Better prices with real time dissemination of information.
- Use a centralised database and data definitions.
- Increased buyer and seller reach.
- Real time analytics for better decision making.
- Pioneers in using reverse eAuction method - the first initiative in the country by any civil supplies corporation to have its own e-auction platform for awarding contracts to transporter and labour and same can be replicated in other states of the country.
- Direct Cost Reductions: GSCSCL Ltd saved Rs 28.69 crores by doing reverse e-auction for transport, door step delivery and labor contract.





“eRAMS is designed based on the fundamental principle of good governance, transparency, reliability and convenience. GSCSCL has also implemented reverse eAuction to execute online e-auctions efficiently, secured, transparent and automated environment using best standard industry practice.”

Food Research Laboratory

GSCSCL is engaged in procurement, storage and distribution of essential commodities like wheat, rice, maize, sugar, edible oil (refined cottonseed oil), refined iodised salt and pulses, tur dal, moong dal(mogar), chana dal and chana for NFSA - 2013, Public Distribution System, Midday Meal Scheme, Integrated Child Development Scheme (ICDS), etc . GSCSCL also procures various commodities such as wheat,

paddy, maize, bajari, etc , from farmers under minimum support price (MSP) scheme of Government of India.

Sampling and testing of agri-commodities procured for Midday Meal Scheme and Integrated Child Development was done by NABL accredited laboratories under the supervision of experts as per the quality specifications notified by the subject expert. Despite having a panel of NABL accredited, the QC results were found to be incorrect in various instances with the average annual out go of Rs 60-65 lakhs with unsatisfactory results.

From October 2017, quality analysis started at Forensic Science Laboratory of Directorate of Forensic Science, resulting improved quality appreciated by the office of Midday Meal Scheme / Education department.

Considering positive response/ appreciation in quality by end users and the beneficiary department, GSCSCL took initiative to sign an MoU on December 7, 2017 with Directorate of Forensic Science for 10 years to set up a state-of-the-art facility –“ Food Research Laboratory” (FRL)—for testing by GSCSCL which started working from December 19, 2017.

FRL has set the benchmark standard

for agri-commodity testing in Gujarat and It is India’s first initiative of forensic based food quality check.

Food Research Laboratory set up by FSL for GSCSCL was launched by Gujarat Chief Minister VijayRupani on January 4, 2018. This is a combined initiative of Food & Civil Supplies; Education, Woman & Child and Home Department.

- Fair Price Shops - 17,209
- Ration Card Holders (NFSA) - 72,03,808
- Beneficiaries - 3.84 crore
 - AAY - 8.15 lakh cards
 - PHH - 63.88 lakh cards
 - BPL Cards - 27.44 lakh

Commodities distributed under MDM-ICDS-THR	
MDM (schools) centres: 33,608	Anganwadi centres : 53,029
Beneficiaries: 38.42 lakhs	Beneficiaries : 65.04 lakhs

Awards and Recognition

CSI Nihilent e-Governance Awards 2018 for eRAMS - Electronic Reverse Auction Management System
 GSCSCL also received e India Digital Transformation Award for E-Ram (Electronic Reverse e-auction System) ●

ON THE OCCASION OF VIBRANT GUJARAT 2019 JICA REEMPHASIZES ITS COMMITMENT FOR THE DYNAMIC DEVELOPMENT OF THE STATE

by Katsuo Matsumoto, Chief Representative of JICA India



Japan International
Cooperation Agency

Upon assuming my current position in June 2018, I have vividly recognised the value of strong partnership between India and Japan. In this context, we have engaged in various economic and social projects across India, and Gujarat has been the spot for the various front line initiatives brought about through Japan International Cooperation Agency (JICA).

JICA's engagement in Gujarat is classified into three major areas:

- 1) Transformation of mobility and logistics;
- 2) Partnership with the State Government and other actors in making Gujarat an even friendly place to invest in; and,
- 3) Environment and Social Inclusion.

1. Transforming Mobility and Logistics

In Ahmedabad, we have been supporting the construction of the 1st Metro Rail System network of approx. 38 km from Motera Stadium to APMC (North-South Corridor) and Thaltej to Vastral Gaam (East-West Corridor). It covers the central business district area, academic area, residential area and institutional complex area of Ahmedabad Metropolitan Area. The project will contribute to regional economic development and improvement of the urban environment, through alleviation of traffic congestion and reduction of traffic pollution.

The Western corridor of the Dedicated Freight Corridor (WDFC) will cope with the huge and rapid increase of freight transport demand in India, especially between Delhi and Mumbai, by constructing a new dedicated freight railway system. It will help to promote comprehensive regional economic development along the freight corridor, Delhi Mumbai Industrial Corridor (DMIC), through improvement and modernisation of inter-modal logistic system handling considerable freight traffic. Gujarat will be one of the principal beneficiaries, situated in a strategic point of this corridor.

We have signed loan agreements for the Mumbai-Ahmedabad High Speed Rail (MAHSR) Project for Tranche 1 in September, and taking into account the dynamic features of this project,



we have also signed Tranche 2 in October last year to further accelerate the implementation of the project. With the bullet

train, the expected time for travel between Ahmedabad and Mumbai will be approximately 2 hours, connecting the heart of both cities. The bullet train will help boost the development of the cities along its route.

Adding to the above, JICA has been supporting Japanese SME's initiatives for creating intelligent information system. It will alleviate heavy traffic congestion by using advanced technology. We are currently working with a consortium of academic institutions and private firms of both countries to initiate intelligent multi-modal urban transport system in Ahmedabad.

2. Partnering with the State Government and private sector in making Gujarat a friendly place to invest in

In September 2017, we signed the Loan Agreement for the "Gujarat Investment Promotion Program (GIPP)" which aims at improving and developing the investment climate through strengthening the policy framework and facilitating development of trunk and industry related infrastructure in a timely manner, thereby contributing to increase of private investment in Gujarat including foreign direct investments. The Programme also aims to support the medium-term policy programme of the Government of Gujarat in accordance with its strategic initiatives mentioned in the vision

3. Working for Environment and Social Inclusion.

In 1994, forest coverage in Gujarat was 6.4%, compared to the national average of 19.4%. It was evident that urgent interventions were required to stop further degradation of the forests, and JICA has been partnering with the State's Forestry Department through two phases of projects. In the Phase two which started in 2007, 11 tribal districts located in the eastern belt and three non-tribal districts have been selected. Under the project, plantation was undertaken in 1,72,456 hectares (ha) including 1,13,210 ha through Joint Forest Management (JFM). 800 Social Forestry Development Committee (SFDC), over 1,600 Joint Forest Management Committee (JFMC), and 230 Eco Development Committee (EDC) were formed, and their implementing capability was strengthened under the project. The project also envisages wildlife conservation and development which includes protected area management in 7 protected areas, eco-tourism development in 3 sites, and eco-development in 7 protected areas and 4 biodiversity hotspots.



JICA has also been supporting the Upgradation of Environmental Management for Ship Recycling in Gujarat Project, through an ODA Loan signed in September 2017, which aims to promote more environment friendly, sound and safer ship recycling in Alang and Sosiya areas in Gujarat, by upgrading ship recycling related facilities and introducing preventive measures in accordance with international conventions such as Hong Kong International Convention for the Safe and Environmentally Sound Recycling of Ships (HKC), thereby contributing to environmental conservation and sustainable development of the industry in Gujarat.



About JICA

Established by a specific law as an incorporated administrative institution under the Government of Japan, the Japan International Cooperation Agency (JICA) aims to promote international cooperation as the sole Japanese governmental agency in charge of ODA implementation. JICA is the world's largest bilateral donor agency. JICA works as a bridge between Japan and emerging countries, and provides assistance in the form of loans, grants and technical cooperation, so that the emerging countries can strengthen their capabilities.

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Visit us at: <https://www.jica.go.jp/india/english/index.html>



The writer is **Katsuo Matsumoto**, the Chief Representative, JICA India since June 2018. Previous to this, Mr Matsumoto was engaged in several flagship development projects in the South Asian region, being the Deputy Director General of South Asian Department at the JICA Headquarters, Tokyo. He has much experience of working for the large scale Official Development Assistance (ODA) loan projects in Mekong and the South Asian countries. ●

DMICDC: CREATING OPPORTUNITIES FOR NEW INDIA

The Delhi Mumbai Industrial Corridor Development Corporation (DMICDC) has been playing a pivotal role in creating an enabling business environment through development of integrated infrastructure keeping in view the needs of building a new India. **Alkesh K Sharma, CEO & MD, DMICDC**, shares his thoughts on the opportunities and challenges the project presents and the way it is gradually transforming India's economy.

What are the potential benefits of the \$100 bn DMICDC project for the States it covers?

DMICDC project gives a major impetus to transit oriented development by reducing the cost of transportation and inventory holding. The high impact, market-driven nodes will drive the overall regional development by creation and growth of new businesses through collaborations and innovations, along with enhancing the development, transfer and commercialisation of technology. The development of integrated infrastructure facilities and enabling business environment will help to attract domestic and foreign investment. This will generate huge

employment opportunities and tax revenues for the States.

With about 38 percent of the proposed western Dedicated Freight Corridor (DFC) between Delhi and Mumbai passing through Gujarat, how is the Gujarat Government leveraging the business opportunities being presented by the project?

The Government of Gujarat is developing one of the largest greenfield futuristic industrial city in Dholera. It has ensured integrated connectivity by means of an MRTS between Ahmedabad and Dholera SIR, laying of railway line from Bhimnath to Dholera and greenfield airport for



Alkesh K. Sharma
CEO & MD, DMICDC





freight and passenger traffic. This will ensure seamless supply chain resulting in quick procurement of raw materials and direct market access for finished products for companies operating in Dholera Smart City. Dholera is also providing opportunities for developing solar power and other renewable energy projects besides giving 'Live, Work & Play' facilities to potential investors in India's first IGBC Platinum City.

What are the major challenges faced by DMICDC in terms of completing the country's biggest infrastructure project?

Acquisition of large, contiguous and litigation-free land parcels for a project of such a massive proposition was the foremost challenge. Benchmarking all the trunk infrastructure facilities for city utilities against best global standards was quite arduous too. Another challenge has been erudite



The Government of Gujarat is developing one of the largest greenfield futuristic industrial city in Dholera. It has ensured integrated connectivity by means of an MRTS between Ahmedabad and Dholera SIR, laying of railway line from Bhimnath to Dholera and greenfield airport for freight and passenger traffic.

master-planning for each node/ project with respect to future-proofing of infrastructure considering optimal allocation of resources with respect to urban amenities.

How is DMICDC leveraging latest innovations and technologies to bring in efficiency into its operations?

DMICDC smart cities present a global, unique example where all underground utilities are fully digitally integrated across all segments of urban governance. An integrated command and control centre will be the nerve centre for proactive monitoring and control of city infrastructure. All land parcels have been mapped on GIS platform and land application & allotment process will be online through e-auction only. Sensor-based utility management by means of Scada, smart grids and real-time data networking will enable uninterrupted supply. ●

'INDIA SET FOR TRANSPORT REVOLUTION 2.0 WITH HIGH-SPEED RAIL'

For the first time in India's railway projects, we have done Aerial Lidar survey and not just on ground. The entire survey was completed within three months, says **Achal Khare, Managing Director, National High Speed Rail Corporation Limited (NHSRCL)**. Excerpts from the interview:

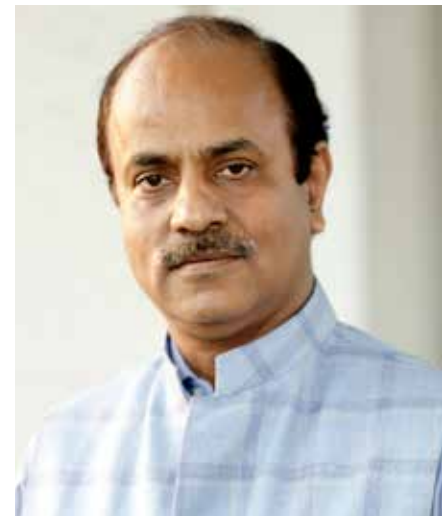
What is the mandate of National High Speed Rail Corporation Limited?

The National High Speed Rail Corporation Limited (NHSRCL) has been set up as a special purpose vehicle (SPV) with the partnership of Government of India through Ministry of Railways, Government of Gujarat, and the Government of Maharashtra. The prime objective of setting up this SPV is to immediately take up the Mumbai-Ahmedabad high speed rail project. In future, we will do similar kind of activities in other places as well. The hallmark of this particular project is that we are setting up standards at the same time as

high speed rail has never existed in India before. We have to develop all kinds of high speed rail standards in collaboration with our Japanese partners.

Speed is the most crucial factor in operating high speed rail which has not been experienced in India. How are you leveraging technology and innovation considering the speed factor?

We have to leverage new-age technologies. But when I say new-age technology, I'm not talking about a technology which has never been tried elsewhere before. But yes, for India, some of them are new. Various kinds



Achal Khare

Managing Director, National High Speed Rail Corporation Limited

of innovative techniques have to be adopted. We are proceeding in that direction only.

The survey part is very crucial for any project. For instance, for the first time in India's railway project, we have done Aerial Lidar survey and not just a ground survey. It was completed in three months only. We are also consulting and interacting with leading technical institutions like IIT Mumbai and other institutions. IIT Mumbai is official partner of this project and they are helping us in various designs. IIT Gandhinagar is helping in underground utility survey.

Whenever we are hearing about new technology or innovation which can





First transport revolution took place in India when metro rail arrived. It was within the metro cities. But the high speed rail will be the game-changer for this country. We will witness Transport Revolution 2.0 when this project will be implemented. The country needs it. There are some reservations but let's accept it -- India needs high-speed rail.

What is your vision for India's high speed rail?

It needs to be understood in two parts. First, the Government has already given us Mumbai-Ahmedabad corridor. It will ensure quick mobility. But for me, it goes beyond quick mobility. In Maharashtra, four stations (Mumbai, Thane, Virar & Boisar) will come up for this project. For the State, it will serve altogether as a new transport means. Activity centres will be shifted to places like Virar and Boisar, reducing travel time from main Mumbai city. All this will result in a large-scale socio-economic development of the entire area. Same transformation will happen in Gujarat particularly town like Anand, Bharuch, and Vapi. In next 10-20 years, we are going to witness a complete transformation of the areas through which high-speed rail will pass. Similar thing will be noticed when high-speed rail commences operation in other parts of the country. ●

be useful for this project, we are trying to connect with them on a priority. Remarkable thing was done for Delhi Metro and now what we are going to do will be of great significance too.

On the other hand, we will be focusing seriously on trained human resources and for that, we are developing training institute much ahead of the project commissioning date. It will be ready by December 2020. It is coming up in Vadodara.

Do you think this project will be a watershed moment for India's transport infrastructure development sector?

The high-speed rail will be a game-changer for this country and we will witness Transport Revolution 2.0 when this project will be implemented. The country needs it. There are some reservations, but let's accept it -- India needs high-speed rail.

FRANCE – INDIA'S TRUSTED PARTNER IN DEVELOPMENT

The Agence Française de Développement (AFD) and its subsidiary Proparco have been working tirelessly to promote sustainable and inclusive development in India for over 10 years. This insightful article is dedicated to underscore their work in India and Gujarat.

By **Clémence Vidal de la Blache, Deputy Director, French Agency for Development (AFD) India,** and **Philippe Serres, Head, Proparco South Asia**

L'Agence Française de Développement

The Agence Française de Développement (AFD) is an inclusive public financial institution and the main actor in France's development policy. It makes commitments to projects that genuinely improve the everyday lives of people.

A partner of India since 2008, AFD works with Indian authorities to promote green and inclusive growth. It operates through loans to state and public enterprises, as well as through technical assistance programmes with the goal of supporting sustainable urban development, energy transitions and ecological preservation in India.

Sustainable mobility is central to AFD's action in India where it is financing the construction of the Kochi, Nagpur and Bangalore metros, for total financial commitments of Euro 620 Mn. In addition to infrastructure financing, AFD launched the MobiliseYourCity initiative with three partner cities in India, including Ahmedabad, in November 2018.

MobiliseYourCity is a worldwide programme, initiated by the French and German governments at COP21 in Paris and financed in India with support from the Asia Investment Facility of the European Union. It accompanies local and national stakeholders to improve urban planning practices and policies and reduce GHG emissions related to urban transport. The programme in Ahmedabad would focus, over the next two years, on a wide range of innovations with a focus on public transport improvements,



improved intermodality, support to non-motorised transport and other alternatives to private vehicular traffic, awareness raising and experimenting of new mobility management tools (car-sharing, carpooling) and pilots for low carbon technology in transport (such as e-vehicle charging stations).

AFD is also committed to supporting state and local authorities in meeting the challenges of a growing urban population in favour of smart, sustainable and livable cities. As part of an approach based on sharing of French expertise, AFD is supporting the cities of Nagpur, Chandigarh and Pondicherry (Puducherry) in the preparation and implementation of their smart city projects.

Along with a growing urban services portfolio, AFD is also a partner of the Smart Cities Mission of the Government

of India through CITIIS (City Investments to Innovate, Integrate and Sustain) - a challenge process which will select 10 to 15 outstanding smart city projects and will provide funding as well as tailor-made mentoring to improve their sustainability, impact, and stakeholder engagement. In addition to a Euro 100 Mn ODA loan, the technical cooperation is financed through a Euro 6 Mn grant of the European Union through the Asia Investment Facility.

Besides sustainable urban development, energy is AFD's second investment priority, representing 26% of AFD's portfolio in India with a total commitment of Euro 464 Mn. Its financial instruments, including non-sovereign loans and green lines of credit, support financial institutions and public enterprises engaged in the government's energy transition efforts.

AFD has partnered with the Indian Renewable Energy Development Agency (IREDA) to implement projects led by private developers in the fields of solar, wind, biomass and small-scale hydro projects. Through its line of credit to IREDA between 2011 and 2014, AFD supported development of four renewable energy projects with a total installed capacity of 40 MW in the state of Gujarat (two biomass power projects of 9.9 MW and 10 MW, and two solar PV projects of 5 MW and 15 MW respectively). The estimated annual energy production by these projects is 176 GWh and CO2 equivalent avoided per year is estimated to be 180 000 tons.

AFD works in many sectors - health, biodiversity, water, digital technologies, training - and supports the transition to a safer, more equitable and more sustainable world: a world in common.

About the Author

Clémence Vidal de la Blache,

a graduate of Sciences Po (Paris) and LSE (London), is passionate about

working with partners on innovative solutions to urban challenges. Prior to joining AFD New Delhi, she worked for six years as a Urban Development Team Leader in AFD Paris, and four years as a development practitioner in Eastern and Southern Africa. ●



PROPARCO

Proparco, a subsidiary of AFD dedicated to private sector financing, has been working to promote sustainable development for 40 years. Proparco provides funding and technical assistance to businesses and financial institutions in more than 80 countries throughout Africa, Asia, Latin America and the Middle East. Alongside its majority shareholder AFD, Proparco has a diversified shareholding: public and private financial institutions from France, Africa, and Latin America, service providers, industrial players in countries where Proparco operates, and philanthropic funds and foundations. In 2017, Proparco committed Euro 1.4 bn to various projects throughout the developing and emerging markets.

Proparco focuses on sectors that are crucial to development, such as infrastructure -- with emphasis on renewable energy -- agribusiness, finance, healthcare and education. Its projects contribute to job creation, supply of essential goods and services and more broadly to the reduction of poverty and climate change mitigation. In addition to financing, Proparco's role also involves encouraging the emergence of socially responsible and innovative business models in developing and emerging economies. As such, Proparco supports improvements of the ESG performance of its clients.

In Gujarat, Proparco is supporting the development of renewable energy by

assisting Azure Power, a leader among solar developers and operators in India. Azure Power has implemented one 10 MW project (utility scale) and one 2.5 MW rooftop project (commercial scale) in the state. In addition, NRPPL, another one of Proparco's beneficiaries, has a solar project of 20 MW (utility scale) in Gujarat. These projects have helped in enhancing the renewable power generation capacity of the country and in partially meeting India's electricity needs, while at the same time limiting greenhouse gas emissions and reducing the country's dependence on fossil fuels.

About the Author

Philippe Serres,

who graduated from the Institute of Political Studies of Paris (Sciences-Po) and

holds a Masters Degree in Development Studies from the London School of Economics, joined Proparco in 2013, first as a Senior Investment Officer in the private equity division, and since the summer 2016 as Head of the Proparco Office for South Asia, based in New Delhi. He has worked at the European Commission Delegation in Peru, at the microfinance rating agency Planet Rating, and as an Investment Officer in AFD's microfinance team prior to joining Proparco. ●



GREETINGS FROM THAILAND FOR 'DAVOS OF THE EAST'

Participating at the Vibrant Gujarat Global Summit 2019 as a Partner Country for the first time, Thailand is looking forward to further explore the existing natural synergy between the two countries to realise the potential opportunities arising from India's economic rise. **H.E. Chutintorn Gongsakdi, Ambassador of Thailand to India**, expresses his thoughts on the current business and investment climate in India with special emphasis on contributions made by Gujarat.

As representative of the Royal Thai Government, I eagerly look forward to being a part of the success of the 9th Vibrant Gujarat Global Summit 2019. Indeed, the initiative of Prime Minister Shri Narendra Modi to initiate the Vibrant Gujarat Global Summit is farsighted and its continued success has turned Gujarat into the "Davos of the East".

All of us in Team Thailand are overjoyed that after persistent efforts, including those of our predecessors and Indian counterparts, Thailand is participating at the Vibrant Gujarat Global Summit 2019 as a Partner Country for the first time. Her Excellency Miss Chutima Bunyapraphasara, Deputy

Minister of Commerce of Thailand, also known as "Miss India" for her advocacy of closer economic relations between our two countries, is most appropriately leading the Thai delegation. Indeed, this marks a milestone in the economic relations between us.

Gujarat and India on one hand, and Thailand and the ASEAN Community on the other hand, both recognize well each other's potential and the shared stake in each other's immediate, mid-term & long-term futures. As Ambassador, I have the distinct pleasure of seeing our economic relations grow-with Thailand currently having 29 businesses registered in India, 3 of which are successfully investing in



H.E. Chutintorn Gongsakdi
Ambassador of Thailand to India





Gujarat. Vee Rubber India Pvt. Ltd. and Srithai Superware Manufacturing Pvt. Ltd. started their businesses in Gujarat in 2015, while Tong Garden Food Marketing (I) Pvt. Ltd. expanded from Maharashtra to Gujarat only last year.

From the Indian side, Indorama, Aditya Birla, Tata, Ranbaxy, Dabur, Lupin and NIIT are among the major Indian companies already doing business in Thailand, reflecting diverse sectors of interest. Though growth in bilateral investment values is satisfactory, there is much more potential to come from India's economic rise, the ASEAN Economic Community's further consolidation, and the closer integration of India and the

ASEAN Community. In this context, I need to mention the Eastern Economic Corridor initiative (www.eeco.or.th) in Thailand.

I must single out the unmatched progress of India in Ease of Doing Business. This is a key turning point that makes India that much friendlier for foreign investors. In this context, the State of Gujarat has also become one of the foremost investment destinations in India. The excellent advocacy and support provided by iNDEXTb has played a key role in support of the investment relationship between Gujarat and Thailand.



In concluding, may I congratulate the Government of Gujarat on organizing the Vibrant Gujarat Global Summit. The Royal Thai Government stands ready to support all Thai businesses, ranging from multinationals to MSMEs, to make the right decision to come to India, and to support all Thai businesses in India towards their successful business ventures. The Royal Thai Embassy in New Delhi has always stressed to all Thai stakeholders the nature and reality of the "New India", that is, political stability, continuity of reforms and economic growth, as well as the rise in standards of living and purchasing power in India. My staff and I will continue to work to ensure growth of Thai Investment in Gujarat and India year-on-year. Of course, we warmly welcome Indian investors to Thailand and the ASEAN Community.

Indeed, a prosperous and inclusive future is within all our reaches. Thank you and it has been a real privilege to serve in India. Jai Hind. Jai Bharat.●



INDO-DANISH TRADE AND ECONOMIC COOPERATION

India and Denmark historically share a strong friendship based on shared values and principles. As 2019 marks the 70th anniversary of establishment of diplomatic relations between the two countries, it is time to revisit the areas of mutual cooperation including business, trade and knowledge exchange in order to support each other's growth.

By **Embassy of Denmark, New Delhi.**

Since the birth of the Indian nation in 1947, India and Denmark have had cordial relations and have developed a number of shared values and principles including our belief in democracy, human rights, and international rule based order. This year, we celebrate 70 years of diplomatic relations between our two countries.

Indo-Danish relations goes back almost 400 years to the first interaction between Danes and Indians in 1620, when Danes reached Tranquebar, located in Tamil Nadu. Tranquebar was the first Danish trading post that marked the beginning of trade relations between India and Denmark. Today, there are more than 140 Danish companies present in India and the number is only likely to grow further.

In April, 2018, The Danish Prime Minister, Lars Løkke Rasmussen, met with Indian Prime Minister, Narendra Modi, at the Indo-Nordic Summit and agreed to strengthen bilateral relations and increase cooperation within clean and sustainable energy, climate, agriculture, food safety, urbanization and smart cities, among others. In addition, four agreements were exchanged, one within smart cities and three within agriculture, where Denmark has important strongholds. During the meeting, the two Prime Ministers agreed to restart the Indo-



Danish Joint Commission and after seven months, in December 2018, the Danish Minister of Foreign Affairs, Mr. Anders Samuelsen relaunched the Indo-Danish Joint Commission with the Indian Minister of External Affairs, Smt. Sushma Swaraj. The relaunch of the Commission marked an important step in progression of the bilateral relationship between India and Denmark. It is also in this regard, that Denmark has the honour of participating at this year's Vibrant

Gujarat Global Summit as a Partner Country. The Danish Prime Minister and the Danish Minister of Environment and Food will participate along with a Danish business delegation of around 25 Danish companies. With the business delegation, Denmark will be bringing world leading competencies and solutions to Indian businesses.

India and Denmark have always had synergies in political, economic, academic and research fields. Particularly, there have

been collaborations in the areas of environment incl. water related technologies, food and agriculture, renewable energy, healthcare, urbanization and shipping. The Global Summit is a unique opportunity for the Danish government and businesses to explore the potential for business collaboration and strengthen trade relations between the two countries for mutual benefits whether it is renewing the ports that line the Gujarati coast, modernising India's bustling cities for the future or by applying modern techniques to the crops feeding.

Renewable energy is a prime example of an area, where the Danish competences are uniquely matched to many of India's needs. Denmark is well known for being a pioneer for renewable energy, and the Danish example of a green transition has served as global inspiration and is being replicated around the world.

Meanwhile, India is moving focus away from fossil fuels and investing heavily in renewable energy. With 30 years of experience in offshore wind energy, Denmark can offer its core competencies within energy sector, and likewise Denmark can learn from India, which is the 3rd largest energy consumer in the world and ranks 4th in terms of Renewable Energy capacity.

Furthermore, Denmark stands out as a maritime hub and has for many years been a great player on the global maritime stage. Maritime transport has been a vital source of income in Denmark since the Viking era and it is still growing hand-in-hand with increasing international trade. At the same time, the Indian maritime sector is on the cusp of revolution, and the government has launched several initiatives to modernize the sector with green and digital solutions. This development creates great opportunities for both countries to share their expertise and knowledge for their mutual benefit and cooperation.

We are very pleased to be taking part at this year's Vibrant Gujarat, and we look forward to take this



“The Global Summit is a unique opportunity for the Danish government and businesses to explore the potential for business collaboration and strengthen trade relations between the two countries for mutual benefits whether it is renewing the ports that line the Gujarati coast, modernising India's bustling cities for the future or by applying modern techniques to the crops feeding.”

exceptional occasion to strengthen the trade relations between India and Denmark. It is our belief, that India and Denmark can learn from each other in

terms of their respective competencies and strongholds and that this will lead to further strengthening of existing trade and economic cooperation. ●



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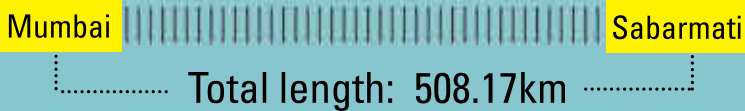


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DISSEMINATING VIBRANCY AMONG ENTREPRENEURS, SMES, & BUSINESSMEN IN GUJARAT



The pioneering move to organise Vibrant Gujarat Summits by our beloved Narendra Modiji has culminated into tremendous growth of industries in Gujarat in the last decade.

The highly positive economic environment has motivated lakhs of youngsters to establish new start-ups and taken Macro, SSI and MSI units to the next level of growth. This period also witnessed emergence of three stars - Sandip Gajjar, CA Tushar Pathak, and Sneh Desai - who pioneered Entrepreneurship Development programmes, corporate training programmes for optimisation of functional and Human Resource and life management programmes.

Together, these three stars have launched Growlysts, and designed entrepreneurship development program BUSINESS GENIUS.

Growlystt, meaning "Growth Catalyst" & is a division of SnehWorld established to cater to the needs of business world comprising of Entrepreneurs, Businessmen and Corporate .

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Knowledge and Skills mastered through Business Genius® provide better performance, increased confidence and permanent shift of Thoughts & Deeds of Entrepreneur towards Abundance, Innovation & Creativity.

Business Genius Program is developed & delivered by Sneh Desai, Sandip Gajjar, & CA Tushar Pathak.

Sneh Desai

Life and Business Coach

He is Founder Director of SnehWorld Group of Companies and has authored many books and developed DVDs and CDs on personality and self-development. He upgraded his versatility by becoming Certified Yogacharya, Past Life



Regression therapist, Vastu Shastri and Tarot Card Reader. Professionally, he became Certified Clinical Hypnotherapist from California Hypnosis Institute, USA.

He emerged as the Youngest Trainer of India, having changed the lives of 2.2 million people conducting Mind Power Programmes in 23+ cities within the country and even the US, Canada, UK, Australia, and the UAE. His other niche value programmes are Experience Awakening (Spiritual Programme), Ultimate Life (Awakening inner warrior with mastery over Science of Achievement and Art of Fulfilment), Krishna Katha, Dynamic Yoga, Parenting, Mad Family, Money Matrix Workshop, and Winning Habit Workshop.

He also conducts tailor-made corporate training programmes for corporate clients pan-India to deliver results aspired by Corporate Management.

"Impressed by contributory work done by us for the industrial growth and development of entrepreneurs in Gujarat, we were invited by Industries Associations of Kolkata, West Bengal and for them also we have started Business Genius batches," says Sneh Desai.

Sneh Desai is credited with the popular titles "Cool Guru at 20 with Mercedes...." by Times of India & "Magician of Words..." by Divya Bhaskar Daily.

His 100+ videos and programmes are available on YouTube along with heap of practical knowledge through Facebook, Twitter and App.

Investing in Business Genius Program gives entrepreneurs and businessman manifold returns not for one year, but for entire life.

Sandip Gajjar

Business Strategist and Solutionist



He is a modern-day corporate magician having carved his career in Sales and Operations for 15 years at World No. 1 direct selling company Eureka Forbes Ltd. by developing international market of the UAE countries on the one hand and rural market of Gujarat on the other hand.

For more than a decade now, he has been a Consulting CEO of Sneh

World Practicing as Business coach, Strategist and Instant Solutionist for entrepreneurs and corporate aspiring for exponential growth.

He is NLP Master, Practitioner as well as Sales, Marketing and Network Training specialist. As a Master Trainer, he has trained 1,000 + trainers under Train the Trainer programme and formed ITA (Indian Trainer's Association).

He has also authored a charismatic book on Sales "The Great Salesman" whose 15,000+ copies have been sold. He has also trained government officers - departments, varied corporates as well as provided personal coaching to well-known Entrepreneurs and Industrialists.

Over 25 years of business life, there are only 100 quarters of 90 days each. It is prudent for an entrepreneur to drive his business for at least 5% of this business life span i.e. 5 quarters under the expert guidance of professional coach," says Sandip Gajjar "and that is why, we have designed Business Genius Programme of 5 Quarters for Entrepreneurs and Businessmen which guarantees them 30% to 300% business growth."

CA Tushar Pathak

Corporate trainer & Business coach



He is a Chartered Accountant having gained rich experience of dealing with multi-industry projects, banks, financial institutions, corporate forums, SEBI, Stock Exchanges and Government bodies while acting as Vice President Finance and

Project Manager for a group of public limited companies for more than a decade before pioneering Education of

skill training with guaranteed placement for high school pass students before 25 years in Gujarat.

He has developed in-depth expertise in techniques of delivering training as well as right methods of learning and authored books titled "Learning Matrix" for students and "Training Matrices" for faculties.

"Victory is the primary responsibility of a leader," says CA Tushar Pathak, "and we train, counsel, coach and mentor entrepreneurs so that they can shoulder this responsibility effectively."

For over a decade, he has started Entrepreneurship Development programmes to enable enterprising people master Operations, Finance and Sales to take their business to the next-level.

He has been a real fighter as a cancer survivor. With wisdom and spiritual treasure, he has which gets reflected in his conduct, he is able to motivate and enable every businessman and entrepreneur to achieve their ambition.

Entrepreneurs of start-ups or established enterprises, struggling or earning, may join this Business Genius program to build an auto managed business which can operate and grow without their day-to-day involvement.

Entrepreneurs sharing experiences of Business Genius :

"My average monthly sale of an industrial product - Master Batch was Rs. 40 lakhs. After joining Business Genius program, in less than a year, we achieved a monthly sales average of Rs. 1.5 Cr," says **Ankit Thakkar**, owner of **AM Mediplast, Ahmedabad**

A woman entrepreneur **Ms Khushboo Agarwal, K-Line Holidays, Pune** in tourism industry expressed that her turnover of Rs. 2 cr. jumped to Rs 5 crore . after joining the course.

A tradeturned-manufacturer, **Mr Ramesh Jain, Mewar Marbles, Mumbai**, tells "I could never dream of supplying tiles, stones and marbles outside my showroom area of Mumbai. By implementing only few techniques learnt at Business Genius programme, now I supply marbles, stone and tiles to all corners of the country and even export to Middle East and African countries. Now, I have my own mines and proprietary brand of tiles being distributed through my 18 + Franchise branches growing daily."

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Gujarat's Growth Accelerators

Success Stories

Gujarat is on the cusp of an industrial boom and the State has added new projects & industrial units to fuel this growth at a phenomenal pace. **The following pages include brief profiles of some successful projects and companies** which are driving the competitive advantage, job creation and development of world-class infrastructure in the State. Many of these projects were conceived at Vibrant Gujarat, which continues to invoke confidence among investors to choose the State as a preferred destination for their projects.



A close-up photograph of several black and white cows in a barn. The cows are lined up, and the focus is on the cow in the foreground. The cow has a distinctive white blaze on its face and a white patch on its forehead. A rope is attached to its nose. The background is slightly blurred, showing other cows and the structure of the barn. A semi-transparent text box is overlaid in the center of the image.

Animal Husbandry, Dairy and Fisheries



Banaskantha District Cooperative Milk Producers' Union Ltd, Palanpur



Year of MoU/IIF Signed: Vibrant Gujarat 2015

Type of Project: Manufacturing

Product Name: Amul Cheese

Capacity of the Project: 30 MT per day

Project Location: Taluka Banaskantha, District Palanpur

Date of Commencement: 25/04/2016

Address of the Company:
Banaskantha Dairy, Post Box No.:
20, Palanpur-385001, District
Banaskantha

Banaskantha District Cooperative Milk Producers' Union Limited, known as Banas Dairy, is a cooperative organisation established in 1969 under the Gujarat Co-operative Societies Act 1961 with the support of NDDB as a part of their Operation Flood Programme launched to bring about white revolution in the country.

The Cooperative manufactures a large number of dairy products under AMUL, SAGAR and BANAS brands. The product range includes Amul Pasteurised Milks, Amul longer Shelf Life Milk, Amul Butter, Amul Ghee, Sagar Ghee, Amulya Powder, Sagar Tea and Coffee Whitener, Sagar SMP, Amul SMP, Amul Shakti Powder, a wide range of Amul Ice Creams, Banas Peda, Banas Tea, etc. The products of dairy are marketed through Gujarat Cooperative Milk Marketing Federation, Anand. The Banaskantha unit also provides a large number of technical inputs to over 1.8 lakh farmer households, organised through 1,200 village-level cooperative milk societies.

Banas Dairy's sales turnover for 2017-18 was Rs. 8,793 crore. The dairy offers average daily rural employment worth Rs. 17 crores in Banaskantha district's villages through dairying.



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MPEDA House, Panampilly Avenue, Kochi-682 036, Kerala, India

Tel: +91 484 2311979, Fax: +91 484 2313361 Email: ho@mpeda.gov.in
www.mpeda.gov.in



Kutch District Cooperative Milk Producers Union Ltd (Sarhad Dairy)



Year of MoU/IIF Signed: 2015

Type of Project: Manufacturing

Product Name: Milk Processing Plant

Capacity of the Project: 2 LLP

Project Location: Revenue Survey No. 218, Lakhond Chokdi, Bhuj-Bhachau Highway, Lakhond, Bhuj, Gujarat-370105

Date of Commencement: 01/08/2016

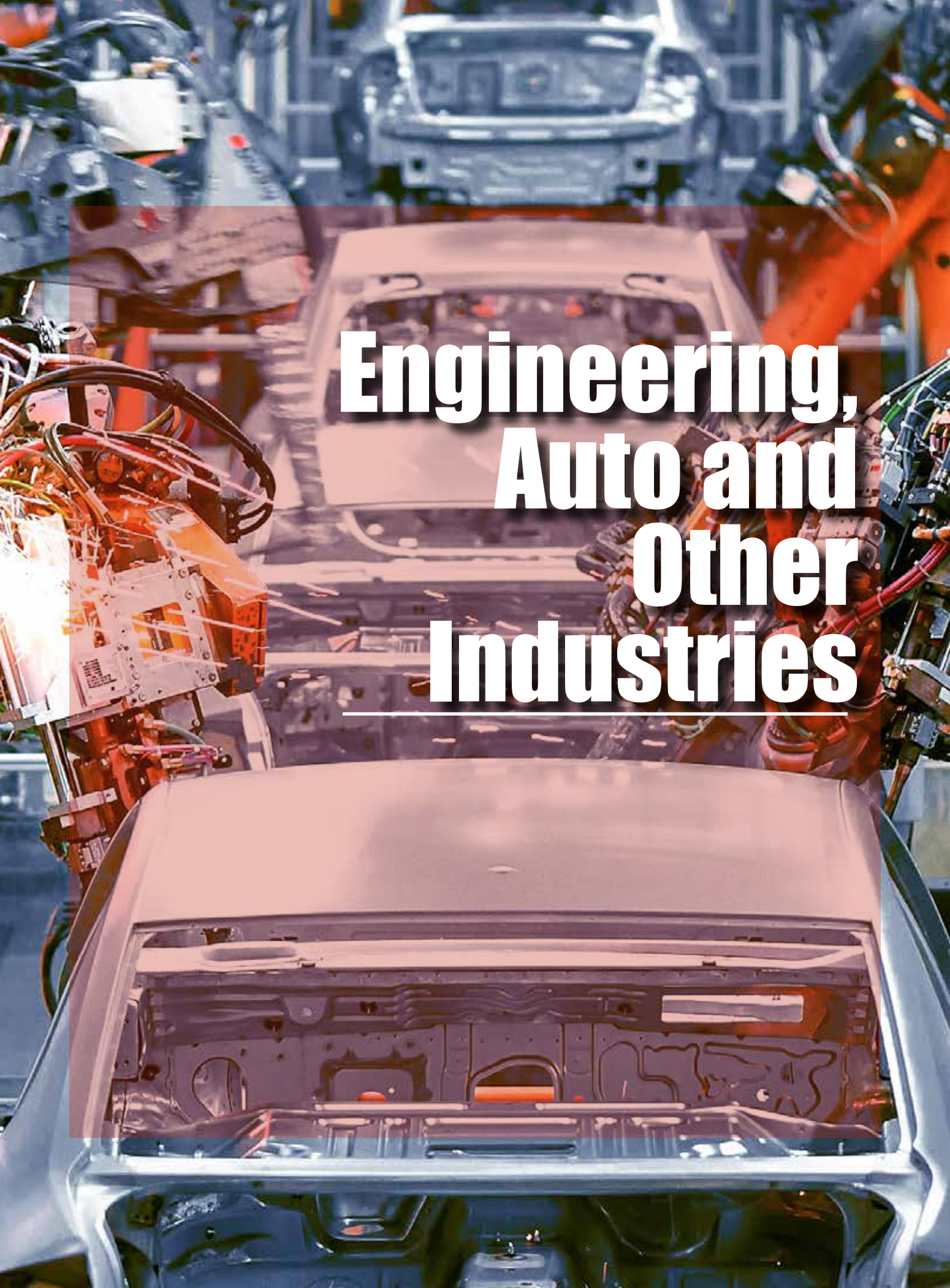
Address of the Company: C/O APMC Premises, Near Varsamedy Railway Crossing, Anjar, Kutch, Gujarat-370110

Kutch district co-operative milk producer's union ltd. "Sarhad dairy" was established in year 2009. It's registered under co-operative societies act 1961, having registration. number 38861-09 dated 28/07/2009. Sarhad dairy is the member of "GCMMF" AMUL Anand. Its primary activity is collecting milk from village co-operative societies, processing milk and make products under the brand name of "AMUL".

In the beginning, Union was collecting milk from the 17 village co-operative societies but now Sarhad Dairy is collecting milk from more than 550 village co-operative societies locating in Kutch district which is supplying milk to dairy's chilling centers and dairy is collecting milk from dairy's own various chilling centers located in the Kutch district.

In the month of January 2013 Sarhad Dairy has started processing plant at Lakhond, Taluka - Bhuj - Kutch processing milk and making milk pouch under the brand name of "AMUL".



A top-down view of a car body on an assembly line. The car is positioned in the center, with its interior and chassis visible. On either side, there are robotic arms and mechanical components, some of which are illuminated with a bright light. The background shows other car bodies in the distance, suggesting a large-scale manufacturing environment.

Engineering, Auto and Other Industries



Honda Motorcycle & Scooter India Pvt Ltd



Year of MoU/IIF Signed: July 2014

Type of Project: Manufacturing

Product Name: Two Wheelers (Scooters)

Capacity of the Project/Product: 1.2 Million units per year

Project Location: Village Vithalapur, Taluka Mandal, District Ahmedabad

Date of Commencement: 16/02/2016

Address of the Company: T Poddar Industrial Park, Vill. Vithalapur, Taluka Mandal, District Ahmedabad, Gujarat-382120

Honda Motorcycle & Scooter India (HMSI) is a 100% subsidiary of Honda Motor Co. Japan. It was installed in 1999 and has four factories with an annual capacity of 6.4 million vehicles. The Vithalapur factory, set up in 2016, is the largest scooter factory in India with annual capacity of 1.2 million units.

Spread across 100 hectares, the plant offers fully automated press shop and material supply; green factory with maximum recycle/reuse/reduce; use of renewable source of energy (5MW of solar power); vacuum cooling system of high pressure die-casting die; and a vision system for auto detection of vehicle number punching.

The factory was constructed in a record time of 12 months and had fastest ramp up (3 months) till peak capacity utilisation (100%). It is a high efficiency and high productivity plant considering good ergonomics and better layout. The plant has ensured overall economic development of Vithalapur region through setting up of new factories by 22 suppliers who supply to HMSI.

The company plans to expand its capacity by additional 6 lakh units (from 12 lakh to 18 lakh) in the next two years. For this, HMSI will further invest Rs. 600 crore in Gujarat.



SUZUKI MOTOR GUJARAT PRIVATE LIMITED



Suzuki Motor Gujarat Private Limited (SMG), located in Ahmedabad, Gujarat in India, is a 100% subsidiary of Suzuki Motor Corporation, Japan. Established in March 2014 SMG is envisioned to enhance the production capability of Suzuki Motor Corporation, in preparation of the anticipated automobile market growth in the country. SMG would also serve as an export hub for supply of vehicles to overseas markets. Vehicles manufactured at SMG are exclusively marketed by SMC's subsidiary Maruti Suzuki India Limited.

Currently the SMG, Hansalpur plant manufactures iconic brand Swift and Baleno, a symbol of 'Made in India'.

In September 2017, Hon'ble Prime Minister of India Mr. Narendra Modi and Hon'ble Prime Minister of Japan Mr. Shinzo Abe, jointly inaugurated the SMG Hansalpur plant. In 2017, the first car rolled out from 'Plant A' at SMG that has an annual installed capacity of 0.25 million vehicles.

The second plant at SMG Hansalpur with installed capacity of 0.25 million vehicles per annum and an Engine and Transmission plant with installed capacity of 0.5 million units per annum

An over view of SMG Hansalpur plant

Headquarters: Ahmedabad, Gujarat
Location of plant: Hansalpur, Gujarat
Plant site area: 640 acres (2.6 million m²)
Production lineup: Baleno and Swift

Investment

	Annual Capacity	Investment (approx.)
Plant A	0.25 million vehicles	US\$ 530 million
Plant B	0.25 million vehicles	US\$ 900 million
Engines+ Transmission	0.50 million units	

is ready for commissioning in 2019. With the commissioning of this 'Plant B', progressively, Suzuki's annual production capability in India will reach to 2.0 million vehicles. This includes the 1.5 million vehicles manufactured at the Haryana manufacturing plants of Maruti Suzuki India Limited, a subsidiary of Suzuki

Motor Corporation.

The third plant (Plant C) at SMG Hansalpur is under construction and is scheduled to commence operations in 2020.

With the commissioning of all three plants (A, B and C). Suzuki Motor Gujarat will have a capacity to manufacture 0.75 million vehicle units annually. ●



Badve Autotech Private Limited



Type of Project: Engineering

Product Name: Manufacture of parts and accessories for motor vehicles

Capacity of the Project/Product: 50 lakh per month

Project Location: Taluka Mandal, District Ahmedabad

Date of Commencement: 01/08/2016

Address of the Company:
Plot No. 535, Near Vithalapur Village, Becharaji Road, Mandal, Ahmedabad, Gujarat

The company was originally established in 1989, as a small manufacturing unit by Shrikant Badve in about 150 sq. ft. space. It has evolved as Badve Engineer Group with a presence in almost all parts of India through more than 20 manufacturing plants. Processes include Sheet Metal Fabrication and Surface Treatments - Painting, Electro Plating; and Plastic Moulding.

The Group mainly manufactures Auto Components and Aggregates for 2W, 3W and 4W Manufacturers, Components for Home Appliances and also Helmets under JV with Vemar of Italy. Major Outputs are Exhaust Systems, Chassis and Frame Assemblies for 2W, 3W, 4W and other Vehicles.

The Mandal project, spread in a 5.67 hectare area, has been set up with an investment of Rs. 209.40 crore providing direct employment to 242 people and indirect employment to 730 people. Encouraged by the success of this project, Badve Group now plans to set up four projects in Halol for manufacturing of auto parts and accessories for 2, 3 and 4-wheelers.





Ford India Private Limited



Year of MoU/IIF Signed: July 2011

Type of Project: Manufacturing

Product Name: Integrated Manufacturing Plant

Capacity of the Project/Product:

Installed production capacity of 240,000 vehicles and 270,000 engines per annum

Project Location: Taluka Sanand, District Ahmedabad

Date of Commencement: 5th June, 2015

Address of the Company:
Revenue Survey No.6, Village Northkotpura, Taluka Sanand, District Ahmedabad

Ford India was established in 1995 as a wholly-owned subsidiary of Ford Motor Company, a global automotive industry leader. Since then, Ford has invested more than \$2 billion in India to expand its manufacturing facilities and dealership footprint to meet rapidly rising demand in one of the world's fastest-growing auto markets.

As part of its overall commitment, Ford inaugurated its \$1 billion state-of-the-art integrated manufacturing facility in Sanand, Gujarat in March 2015. With Sanand being operational, Ford India doubled its annual installed manufacturing capacity to 6,10,000 engines and 4,40,000 vehicles. Ford currently produces the sub-four-metre compact sedan - Ford Aspire, hatchback - Ford Figo and Compact Utility Vehicle - Ford Freestyle for domestic and export markets. Ford employs 14,000 people in India across all its entities out of which nearly 3,000 work with the Sanand Plant.

Ford's commitment to India is not just business-centric. At the heart of the company's business plans are people and communities. With an unwavering commitment to the country and its people, Ford's CSR initiatives are a reflection of its 'Go Further' journey in India.

With the launch of the plant in Sanand, Ford India's cohesive community outreach initiative also started. The first efforts were focused to improve access to safe drinking water for children in the neighbouring communities. The project has since been progressively expanding to cover 70 villages by recently started Phase 3.

In Sanand, Ford continues to partner with reputed NGOs working in the field of education to collectively conceptualize and design a social intervention model that addresses the identified gaps in the areas of academics, health, nutrition, and infrastructure.

HITACHI
Inspire the Next

Hitachi Hi-Rel Power Electronics Pvt Ltd



Year of MoU/IIF Signed: 1989

Type of Project: Manufacturing

Product Name: UPS, Drives, Solar Inverters and Railway Products

Project Location: Sanand, Near Ahmedabad, Gujarat

Date of Commencement: 12/12/2012

Address of the Company:
Survey No. 3&4, Sanand GIDC-II,
Industrial Estate, Nr. Bol Village,
Chharodi, Sanand, Gujarat -
382110

Hitachi Hi-Rel Power Electronics Pvt. Ltd. is recognised as a pioneer in power electronics. It is a 100% subsidiary company of Hitachi Ltd., Japan which belongs to its industrial products business unit. Hitachi Hi-Rel Power Electronics belongs to industrial products business unit of Hitachi, Ltd. and contributes to new value creation by supplying strong core components. With more than three decades of experience, Hitachi Hi-Rel has garnered a significant level of trust in market segment and continues to offer world class power electronics products, value added services and customised solutions.

Spread across an area of 26,000 sq. mtrs. and modelled on Hitachi's Omika Works in Japan, Sanand manufacturing works is the world class and one of the most modern power electronics manufacturing facility in India. It has state-of-the-art manufacturing facility and is the heart of Hitachi Hi-Rel Power Electronics. It is located at Sanand, one of the fastest developing Industrial hubs of India and a dedicated Industrial park mainly for manufacturing facilities of MNCs. Neighbouring plants include major MNCs like Ford Motors, Colgate, Allied Refractories, etc.





Motherson Automotive Technologies & Engineering



Year of MoU/IIF Signed: 2013

Type of Project: Manufacturing

Product Name: Automotive Plastic Moulded & Painted Part

Capacity of the Project/Product: 2.26 lakh Car Sets/Annum

Project Location: SM-42, Sanand-II, GIDC, Sanand, Taluk Ahmedabad

Date of Commencement: 19th December 2014

Address of the Company: 10th Floor, Samvardhana Motherson Tower, Plot No. 1, Sector 127, Noida-Greater Noida Expressway, Gautam Budh Nagar, UP

Samvardhana Motherson is one of the world's fastest growing specialised automotive component manufacturing companies for OEMs. Samvardhana Motherson Group (SMG) combines the power of innovation and product quality to passionately create world class products that cater to customer needs across diverse industries, especially automotive. Founded in 1975, the Group has a diversified industry-leading portfolio of auto ancillary products and services that make it a full system solutions provider for its customers across the globe.

With market leading products ranging from Electrical Distribution Systems, automotive rearview mirrors, polymer processing, lighting systems, air intake manifolds and HVAC systems, SMG recorded a turnover of \$10.5 billion (approx.) during 2017-18.

The company has invested Rs. 179 crore in the Sanad plant, generating employment for 1,160 persons. The project provided the required training to local people and gave them opportunity to learn new skills. For project set up and during operations, people from various national and international places visited Gujarat. This provided the locals an opportunity to exchange cultural values. Local markets also got the opportunity to trade with such visitors hence extending their reach globally.

The project was set up in record time of 18 months after land allocation to mass production. It is one of the largest robotic automotive plastic parts paintshop in Gujarat.



Maxxis Rubber India Pvt Ltd



Year of MoU/IIF Signed: 2015

Project Details: Manufacturing

Product Name: Tyres and Tubes

Project Capacity: 20,000 tyres and 40,000 tubes per day

Project Location: Taluka Sanand, District Ahmedabad

Date of Commencement: 8th August 2017

Address of the Company: SM 12 + SM 51/2, GIDC Sanand Industrial Estate, Nr. Bol Village, Sanand, Ahmedabad, Gujarat-382110

Maxxis Rubber India Private Limited is primarily engaged in the wholesale distribution of tyres and tubes for passenger and commercial vehicles. Maxxis started small. Founded in 1967, Cheng Shin Rubber Ind. Co., Ltd. The company began as a manufacturer of bicycle tyres in Taiwan. Maxxis currently serves as an OEM tyre supplier to Honda (two-wheelers), Maruti Suzuki, Mahindra, Tata and Jeep in India. Apart from catering to the domestic tyre market, the product portfolio from the facility will be exported to South Asia, and will further expand to Africa and Middle East countries in the coming years.

Maxxis' high standards for quality, efficiency and innovation have been acknowledged with numerous honours and awards such as Shanghai GM Best Supplier Award, Shanghai GM Excellent Supplier Award, Shanghai GM Gold Key Award, Ford Motor Company World Excellence Award, Ford Motor Company Q1 Quality Award, Excellent Supplier Awards from Jiangling-Ford Auto and Zhengzhou-Nissan, Yamaha Supplier Excellence Award, Taiwan Toyota's Export Excellence Award, Taiwan's National Quality Award, Ranked on Interbrand's List of Taiwan's Top Global Brands, Japan's TPM Excellence Award.



A gloved hand holds a glass flask containing a yellowish-orange liquid. The flask has volume markings for 50 and 75. In the background, there are other laboratory glassware, including test tubes and a pipette, all under a blue-tinted light.

Chemical, Petrochemical, Textile & Apparel



Aikya Chemicals Private Limited



Year of MoU/IIF Signed: 2013

Project Type: Manufacturing

Product Name: Manganese Sulphate monohydrate

Capacity of the Project/Product: 1500 MT Manganese Sulphate p.a.

Project Location: Jarod-Samlaya Road, Jarod Chokdi, Jarod, Waghodia-391510

Date of Commencement: 01/04/2016

Address of the Company: Jarod-Samlaya Road, Near MGVCL Substation (GETCO), Jarod Chowkdi, Jarod - 391510

Aikya Chemicals Pvt Ltd (ACPL), GMDC JV Co., was formed to establish manufacturing unit for manganese sulphate ($MnSO_4$), Ferric Chloride ($FeCl_3$) and other value addition by-products in Gujarat. There were abundant deposits of waste dump material of manganese ore in the State.

Promoters of Aikya Chemicals Pvt Ltd, GMDC JV Co., made lot of efforts to explore this area and helped the State Government realise the huge revenue potential in upgrading the manganese waste dump.

The company utilised its beneficiation plant and demonstrated at pilot scale conversion of the low grade waste dumps material containing Manganese ore of 14% into 98% grade of $MnSO_4$ in powder form, which was commercially acceptable IS 10535 grade, and $FeCl_3$ of 40% grade in liquid form. Both products offer very high commercial viability.

Considering the benefits of the innovative process of producing $MnSO_4$ without generating any type of waste, the Gujarat Mineral Development Corporation (GMDC) entered into an agreement with the company for establishing downstream projects using the low grade manganese ore waste in joint venture with the Government of Gujarat. GMDC formed the JV in the name of ACPL to manufacture $MnSO_4$, $FeCl_3$, etc.

The company has invested Rs.55 crore in the Jarod project, providing direct and indirect employment to 122 people. The said project is India's only Innovative Value Addition Project. The proposed process is eco-friendly and direct whereas other units are manufacturing Manganese Sulphate through other intermediates. This makes the product/processes relatively cheaper and cost effective.



ANUPAM RASAYAN INDIA LTD.

Anupam Rasayan India Limited



Year of MoU/IIF Signed: 2015

Type of Project: Chemical Manufacturing

Product Name: Manufacturing of Pesticides and speciality chemicals

Capacity of the Project/Product: 15898 MT/Month

Project Location: Surat & Choryasi, Bharuch & Jhagadia

Date of Commencement: 2017-18

Address of the Company: Plot No. 8110, GIDC Industrial, Estate, Sachin Dist. Surat-394230

The company started its journey on in March 1977. Over a period of time, Anupam Rasayan has grown gradually and established itself as a company that manufactures products with world class quality. We are certified for ISO 9001:2015 and ISO 14001:2015 with sound technology, environment consciousness, a rich history of innovation through research, and total commitment to excellence towards quality and customer satisfaction.

Anupam Rasayan is a manufacturer of Specialty Chemicals, with products catering to a plethora of market segments such as Agrochemicals, Anti-Bacterial, Polymers, Pharmaceuticals, Material Sciences.

As of October 2016, the company had four different plants located in Gujarat and out of which three Plants are in Surat and one Plant is in Jhagadia, and by end of 2017 we shall have another 2 new plants operational at Surat and Jhagadia respectively, bring the total locations where our plants are operational to 6.

The company has made an actual investment of Rs. 436 crore in the projects, generating employment for 1050 people.





Bharuch Enviro Infrastructure Limited



Year of MoU/IIF Signed: 2017

Project Type: Infrastructure

Product Name: Waste Heat Recovery Boiler

Capacity of the Project/Product: 6 MT/Hrs.

Project Location: Ankleshwar, Bharuch

Date of Commencement: 13/02/2017

Address of the Company: Plot No. 9701-16, GIDC IE, Ankleshwar

Bharuch Enviro Infrastructure Ltd. (BEIL) is a company that specialises in the management of solid and hazardous waste. It operates a centralised landfill site along with a common incineration system built specifically for the safe and secure disposal of hazardous waste coming in from member industries in the region.

Located in Ankleshwar, the landfill site at BEIL is the first facility in India to be certified under ISO 140001. It is amongst the few elite facilities in the world that has been awarded this certification. The TSDF facility consists of a secured landfill facility, common incineration systems, pre-processing facility and multi-effect evaporation system at GIDC Estate, Ankleshwar.

In addition to the management of hazardous waste, BEIL is also engaged in the management of organic (kitchen) waste collected from nearby households. This waste is processed in a Biomethanation plant using state-of-the-art technology to generate valuable fuel.

Of the Rs.11.98 crore proposed investment, BEIL has already invested Rs. 9.78 crore, providing employment to 10 people at present. However, the BEIL project offers huge future employment potential to the people of the surrounding area as well as technocrats. Besides direct employment, there is a possibility of creation of indirect employment opportunities in the common hazardous waste treatment, storage and disposal facilities.

The company's future projects in Gujarat include: Spray Dryer – Water Evaporation (9000 KG/Hrs.); Second MEE (Cap.: 15 MT/Hrs.); TSDF at Jitali (Landfill- 10 Lac MT); Landfill Phase -IV (Expansion in landfill Capacity) 12 Lakh MT; and E-waste Dismelting Plant (1000 MTPA).



Chiripal Poly Films Limited



Year of MoU/IIF Signed: 2015

Type of Project: Manufacturing of flexible packaging films

Product Name: Bi-axially oriented Polyethylene Terephthalate (BPOET Films)

Capacity of the Project/Product: 37,800 Tonnes per annum

Project Location: Bidaj Taluka in Kheda District

Date of Commencement: October 2015

Address of the Company: Plant Office – Plot no 6, 12, 13 & 14, Vraj Integrated Textile Park, N.H. 8, Ahmedabad – Baroda Highway, Village – Bidaj, Taluka & District. Kheda – 387120 Gujarat

The company started its commercial operations in January 2012. Within short span of six years with CAGR of 31.36%, it achieved the turnover of Rs.2,044 crore in FY 2018, resulting in generation of direct and indirect employment and increase in revenue for the Government in the form of GST, Excise and Income Tax, etc.

The project achieved its full capacity utilisation within three months of commencement of commercial operations. The company has received several certifications like ISO 9001-2008 Management System Certificate; the ISO 9001-2015 for Quality Management System (QMS) Certificate; the ISO 14001-2015 for Environmental Management System Certificate; and the OHSAS 18001-2007 for Occupational Health and Safety Management Certificate along with various food safety certificates from the recognised BRC Global Standard and AIB International in relation to the BOPP Films line and BOPET Films lines.

The plastic films produced by the company have become an indispensable material in the present distribution system. Food packaging greatly contributes to daily lives of people by keeping foods clean and fresh during the distribution from manufacturers' sites to consumers as well as minimises distribution losses.

Around 30% output of the project is being exported to more than 50 countries in the USA, Europe, Latin America etc. generating foreign exchange earnings for the country.





Cosmo Films Limited



Type of Project: Manufacturing of BOPP Film

Product Name: COSMO Films

Capacity of the Project/Product: 60,000 TPA

Project Location: Taluka Karjan, District Vadodara

Date of Commencement: 01/02/2017

Address of the Company: Vermadi Road, Navi Jithardi, Near INBOX, Off NH-08, Taluka Karjan, District Vadodara, Gujarat

Established in 1981, Cosmo Films Limited is today a global leader in speciality films for packaging, lamination and labeling applications. The company's films offerings include biaxially oriented polypropylene (BOPP) films, cast polypropylene (CPP) films and soon to be offered biaxially oriented polyethylene terephthalate (BOPET) films.

The Karjan unit has been established with an investment of Rs. 250 crore, providing employment to 136 people.

With manufacturing units in India, Korea, and USA, Cosmo has a BOPP manufacturing capacity of 2,00,000 TPA and CPP manufacturing capacity of 9,000 TPA with a sales turnover of around \$303 million (Rs 19.67 Billion) in FY 2017-18. Cosmo is the largest BOPP films exporter from India and the world's largest manufacturer of thermal lamination films.

Apart from a dominant share in the Indian market, Cosmo exports to more than 80 countries worldwide. Its customer base includes leading global flexible packaging and label face stock manufacturers. Cosmo also has an extensive network of channel partners across the world for distribution of its range of lamination films.





Excel Crop Care Limited
Beyond Crop Protection, Behind Every Farmer

Excel Crop Care Ltd



Year of MoU/IIF Signed: 2013

Project Type: Service

Product Name: Sewage (from Bhavnagar Municipal Corporation) Treatment Plant followed by R.O. to get R.O. permeate water to use for industrial purpose.

Capacity of the Project/Product: 1 million litres per day (MLD) sewage treatment plant followed by R.O.

Project Location (District & Taluka): Bhavnagar

Date of Commencement: July 2014

Address of the Company: 6/2, Ruvapari Road, Bhavnagar

Excel Crop Care Limited (Excel) was incorporated in the year 2003 from a demerger of the agricultural inputs portfolio of Excel Industries Limited with the strength of three manufacturing units at Bhavnagar, Gajod and Silvassa. Excel Industries Limited has pioneered the field of Agricultural inputs as well as industrial and performance chemicals since 1941. Currently, Excel is powered with, over 1,200 dedicated employees, a range of market leading brands, a distribution network of 4,500 distributors, 40,000+ dealers, a customer base running into millions. Excel exports agrochemicals to more than 70 countries. Excel has a turnover of around Rs.10,000 million.

Japanese conglomerate Sumitomo Chemical Company, Limited, Japan (Sumitomo Chemical) acquired a majority stake of Excel in 2016. Excel now is a subsidiary of Sumitomo Chemical.

At the Bhavnagar project, sewage water is treated in bio filters that consist of compost base material, agro/wood base material, earth, etc, for activated sludge treatment. Bio filters utilise microbes, algae, earth worm to metabolise organic matter in the waste water.





Grasim Industries Ltd (Chemical Division Vilayat)



Year of MoU/IIF Signed: 2017

Type of Project: Manufacturing

Product Name: Caustic Soda & Phosphoric Acid

Capacity of the Project/Product:
Caustic Soda Plant 400 TPD & Phosphoric Acid Plant 80 TPD

Project Location: Taluka Vagra, District Bharuch

Date of Commencement:
Caustic Soda on 24rd April 2018 & Phosphoric Acid on 26th October 2018

Address of the Company: Address of the Company: Plot No. 1, GIDC Estate, Village Vilayat, Tahsil Vagra, District Bharuch, Gujarat-392012

Grasim Industries Ltd. (Chemical Division Vilayat) started with green field project of setting up 600 TPD Caustic soda plant with other allied products with investment of Rs. 715.58 crore (as on 31.03.2018). The company further made brown field expansion with an investment of Rs.513 crore for 400 TPD Caustic soda and new Phosphoric Acid plant 80 TPD.

At Vilayat complex, Grasim has setup a 1,23,097 MTPA capacity plant of Epoxy. The business offers entire range of epoxy products to customers from basic products like liquid epoxy resins to value added products like formulated resins, reactive diluents and hardeners. Epoxy has wide range of applications including civil coatings, composites (Wind Energy Blades), adhesives, paint, electrical and electronic industry and can coating.

With the merger of Aditya Birla Chemicals India Ltd. (ABCIL) in FY 2016 and after debottlenecking, the caustic soda capacity has increased from 452K TPA to 840K TPA. The merger has enabled the geographical diversification for Grasim across the country, besides bringing in operational and financial synergies.





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Maruti Spintex Pvt Ltd



Year of MoU/IIF Signed: VG-2017

Project Details: Manufacturing

Project Location: Bhadravadi,
Taluka and District Botad

Product Name: 100% cotton yarn

Capacity of the Project: 31,488
spindles

Date of Commencement:
05/08/2017

Address of the Company:
Omkar Nagar, Paliyad Road,
Botad-364710 (Gujarat)

Maruti Spintex Pvt. Ltd., established in 2015, is a leading manufacturer and exporter of cotton yarn based in Gujarat. The mill commenced its operations as a private limited firm focused on catering to the needs of domestic as well as international market – providing only the best quality cotton yarn using modern technology in textile.

The total installed capacity of Maruti Spintex is 31,488 spindles and it produces up to 7,200 tonnes of yarn per month with the top-end technology from various countries. The mill is efficient to fulfil the customers' demand worldwide.





Nandan Terry Chiripal Group



Chiripal Group, a Gujarat based conglomerate, has come a long way since its inception with mere 12 power looms in the year 1972. Founded by the chairman of the Group, Mr. Vedprakash Chiripal, the business house is today spread across various sectors as textiles, packaging, infrastructure, chemicals and education. Mr. Vedprakash Chiripal, a corporate visionary, is the soul of the organisation. Chiripal group, under his leadership, has achieved turnover of \$650 million, giving employment to over 20,000 people associated directly or indirectly with the group.

Past

Originally from Haryana, he along with his three brothers Jyotiprasad Chiripal, Jaiprakash Chiripal and Brijmohan Chiripal set up a small textile unit in Ahmedabad in the 1970's which has now grown to a conglomerate. From the second generation, Deepak Chiripal, Vishal Chiripal and Ronak Chiripal have also joined the group and helped it explore new horizons and achieve business excellence.

Listed Entities

The group has four listed companies Nandan Denim Limited, CIL Nova Petrochemicals Limited, Vishal Fabrics Limited and Shanti Educational Initiatives Limited with a good shareholder base over major cities of India and abroad.

Markets

High quality standards ensuring constant exports of BOPP Films and Fabrics to destinations like Turkey, Spain, Italy, Germany, Peru, Tanzania, Brazil, Israel, France, Portugal, Bangladesh, Latin America, Vietnam, Korea and Middle East.

CSR Activities

The Group Runs 6 schools under the brand "Shanti Asiatic" located in Ahmedabad, Surat and Jaipur with over 2,700 students.

- Present in the management education space having student strength of 450 students
- Running over 130 pre-K franchise – Shanti Juniors with over 6,000 students scattered all over India.

The group has also achieved the status of largest Corporate donor of blood donation as an activity of CSR.



Tathastu Spintex Pvt Ltd



Registered in 2016, Tathastu Spintex Pvt. Ltd. has gained immense expertise in supplying and trading of cotton, nylon, etc. The company has set up a Ring Spin Cotton Yarn unit in Tankara Taluka of Morbi district in Gujarat. With the production capacity of 11 Metric tonnes per day, the project uses green compact technology made in Switzerland, which offers great power savings besides being eco-friendly. The company has invested Rs 70 crore and has created around 140 jobs for the local populations.



'TORAY'
Innovation by Chemistry

Toray Kusumgar Advanced Textile (TKAT) Pvt Ltd



Year of MoU/IIF Signed: 11th January 2015

Project Details: Manufacturing

Product Name: Airbag Fabric

Capacity of the Project: 10,00,000 Mtrs/Month

Project Location: Taluka Umergam, District Valsad

Date of Commencement: 01/08/2016

Address of the Company: Plot No. 5001/A, GIDC, Sarigam, Gujarat-396155

Toray Industries, Inc. (Japan) is a leading producer of performance fibres, yarns and advanced textiles having a global footprint. The company collaborated with Kusumgar Corporates Pvt. Ltd. (India), a pioneer in technical textiles in India, to establish a joint venture in September 2014 -- Toray Kusumgar Advanced Textile Pvt. Ltd. -- for the manufacturing of automotive air bag fabrics in Gujarat.

The demand for airbag fabric is expected to increase in India as automobile production goes up and crash testing becomes mandatory. The establishment of the new plant is aimed at responding to this increase in demand. In the field of fibers and textiles, the company's product line encompasses all three major types of synthetic fibers: nylon, polyester and acrylic. It supplies materials in many different forms, including filament yarns, staple fibers, textiles and garments.

The company's Valsad project is India's first state-of-the-art manufacturing facility for automotive airbag fabrics. Spread over an area of 27,695 Sq. Meters, the Rs.175-crore project offers direct and indirect employment to 65 people.





Welspun India Limited



Year of MoU/IIF Signed: 2015

Type of Project: Infrastructure and Manufacturing

Product Name: Recycle and Reuse of Public Sewage (STP) for Industrial Use

Capacity of the Project: 30 MLD

Project Location: Taluka Anjar, District Kutch

Date of Commencement: 16/12/2016

Address of the Company: Village Varsamedi, Taluka Anjar, District Kutch

Welspun India Limited (WIL) is part of \$2.3 billion Welspun Group. More than 80% of the investment of Welspun Group is in Gujarat and the company continues to participate in the growth story of the State. Welspun is known for being one of the premier textile companies in India, generating employment for more than 22,000 people in the region.

The company has made a significant impact on the socio-economic fabric of the region. It represents an amalgamation of expertise, resources, opportunities and engineering excellence. Welspun is the sole supplier of towels to the world renowned lawn tennis tournament Wimbledon.

Welspun has also created a sewage conveyance pipeline of 22 km from various pumping stations to a STP, designed by NJS consultant, a Japan based company. It has constructed four new pumping stations at various locations to pump sewage to the STP. Welspun has adopted latest technology for extended oxidation process to treat waste water. The plant is fully automated and operated with the help of SCADA. The treated water quality is extremely good and after recycling can be reused for industrial production activities.





Healthcare & Pharmaceuticals



Advanced MedTech Solutions Pvt Ltd



Year of MoU/IIF Signed: 2015

Project Type: Manufacturing

Product Name: Would Closure products – Surgical Sutures

Capacity of the Project/Product:
28.80 Million Eaches

Project Location: GIDC Manjusar, Taluka Savli, District Vadodara

Date of Commencement:
September 2016

Address of the Company:
P-21-22, 25-26 & 34-35, GIDC Manjusar, Taluka Savli, District Vadodara, Pin - 391775, Gujarat

The company is a leading manufacturer of medical devices (Surgical Sutures). The eco-friendly facility of Advanced MedTech Solutions (AMS) is equipped to produce cutting-edge medical devices that meet the most stringent global specifications.

Strategically located and spread over 10 acres, in the industrial hub of Vadodara, Gujarat, the AMS manufacturing plant is a world-class facility in every respect – from its artful design, best in class equipment, to robust manufacturing processes – all of which meet global quality standards.

Designed by renowned Spanish architect Ricardo Bofill, the AMS facility meets the Gold standard on Green building principles for sustainability and conforms to ISO 14001 safety and environmental specifications. The company has invested Rs. 150 crore in the Vadodra project providing direct and indirect employment to 200 people. Commercial manufacturing at the Advanced MedTech facility started from April 2017, offering the best quality products at an affordable cost.

Encouraged by the ease of doing business, fast track approvals, helping, guiding and approachable environment, uninterrupted electricity and water supply in Gujarat, the future plans of the company in the State include further investment in production of PTCA Balloon Catheters that are used in interventional cardiology.





Alembic Pharmaceuticals Ltd, Formulations Unit-II



Year of MoU/IIF Signed: 2017

Project Type: Manufacturing

Product Name: Anticancer Products {Oncology OSD Formulations (Tablets/Capsules); Oncology Injectable Formulations (Liquid/Liquid Lyophilised Vials)}

Capacity of the Project/Product: 60 million units of tablets/capsules and around 20 million units of Liquid Injectable and Lyophilised concentrates per shift

Project Location: Taluka Halol, District Panchmahal

Date of Commencement: 01/01/2017

Address of the Company: Village: Panleav, Near Baska, Tal. Halol, Dist. Panchmahal, State: Gujarat, Pin-389350

The legacy of Alembic Pharmaceuticals Limited (APL) dates back to over 100 years. Established in 1907 with an objective to develop and revolutionise the Pharmaceutical and Drug industry in the Indian sub-continent, The company is today one of the leading pharmaceutical companies in India.

The publicly listed entity that manufactures and markets generic pharmaceutical products across the globe, has grown by leaps and bounds over the last century.

With an emphasis on innovation and technology, the company has established a state-of-the-art research facility - Alembic Research Centre (ARC) including formulation research, and 150-bed bioequivalence facility at Vadodara, Gujarat. Additionally, APL has recently invested in ultra-modern R&D center at Hyderabad. Today, APL is one of the leading players in the industry to have invested about 11% of its turnover in R&D.

Spread over 2.53 hectare area, the Rs 231 crore state-of-the-art facility in Halol for manufacturing Oncology injectable and oral products enables Alembic to offer life-saving oncology products to patients. Giving employment to 300 people, this Greenfield Project has been designed to handle the OEL 3 & 4 high potent drug substances in a way that ensures highest safety for personnel and environment.



जन स्वास्थ्य की गारंटी: प्रधानमंत्री भारतीय जनऔषधि परियोजना (पीएमबीजेपी)



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जन औषधि
परियोजना

“ भरीब को सस्ती दवाई मिले, भरीब को दवाई के बिना मरने की नौबत ना आए इसलिए पूरे देश में जन औषधि केन्द्रों का अभियान चलाया है... ”

नरेंद्र मोदी



यह सर्विदित सत्य है कि भारत में हर वर्ष लाखों परिवार सिर्फ बीमारियों पर होने वाले खर्च की वजह से गरीबी रेखा के नीचे चले जाते हैं. इस खर्च में बड़ा हिस्सा दवाइयों पर होने वाले खर्च का होता है. इसी खर्च में कमी लाने एवं आम जनता को उच्च गुणवत्ता वाली दवाइयां कम लागत में उपलब्ध करवाने हेतु संपूर्ण देश में प्रधानमंत्री भारतीय जनऔषधि परियोजना (पीएमबीजेपी) चलाई गई है. इसके क्रियान्वयन के लिए ब्यूरो ऑफ फार्मा पब्लिक सेक्टर अंडरटेकिंग ऑफ इंडिया (बीपीपीआई) को नामित किया गया है जोकि डिपार्टमेंट ऑफ फार्मा के अधीनस्थ एक सोसाइटी है. अभी तक इस परियोजना के तहत 4500 से ज्यादा जनऔषधि केंद्र खोले जा चुके हैं तथा भारत के 639 जिलों तक इनकी पहुंच है. शेष जिलों में भी जनऔषधि केंद्र खोलने के लिए युद्धस्तर पर प्रवास जारी है.

मुख्य विशेषताएं

- क. उच्च गुणवत्ता वाली जेनरिक दवाइयां किफायती दामों पर उपलब्ध करवाना.
- ख. शिक्षा और प्रचार के माध्यम से जेनरिक दवाइयों के बारे में जागरूकतापैदा करना.
- ग. 'बाजार हस्तक्षेप नीति' के द्वारा दवाइयों की कीमतों में कमी के लिए बाजार को प्रेरित करना.

घ. रोजगार के नए अवसर पैदा करना.

भारत सरकार द्वारा सहायता

बीपीपीआई द्वारा केंद्र खोलने वाले उद्यमियों को 2.5 लाख रुपये तक की सहायता राशि दी जाती है जो विक्रय आधारित है तथा प्रति माह अधिकतम 10,000 रुपये तक सीमित है. इसके अलावा व्यापार मार्जिन 20 फीसदी है, जिससे यह एक आकर्षक व्यापार बन सके. बीपीपीआई जनऔषधि केंद्रों के सुगम संचालन के लिए अत्याधुनिक सॉफ्टवेयर भी प्रदान करता है.

केंद्र खोलने की प्रक्रिया

कोई भी व्यक्ति, एनजीओ या फर्म जिसके पास 120 वर्ग फुट की दुकान तथा एक फार्मासिस्ट हो, वह जनऔषधि केंद्र खोल सकता है. यह प्रक्रिया पूरा तरह ऑनलाइन है तथा विस्तृत जानकारी janaushadhi.gov.in पर उपलब्ध है.

मूल्य निर्धारण मानदंड तथा इसके प्रभाव

जनऔषधि दवाइयां, बाजार के तीन अग्रणी ब्रांडों की दवाइयों के औसत मूल्य से न्यूनतम 50 फीसदी सस्ती रहती है. कुछ दवाओं में यह अंतर 90 फीसदी तक है. वित्त वर्ष 2017-18 में इस योजना के



हमारा लक्ष्य, मार्च, 2019 तक 5000 केंद्र खोलना एवं देश के हर जिले तक पहुंचाना है. आम जन को दवा समय पर उपलब्ध हो सके तथा इनकी गुणवत्ता उच्चतम स्तर की हो, यह हमारी सर्वोच्च प्राथमिकता है.

— सचिन कुमार सिंह, आई. आर. एस.
मुख्य कार्यपालन अधिकारी

तहत लगभग 140.84 करोड़ रुपये की बिक्री की गई, जिसकी ब्रांडेड दवाई की तुलनात्मक कीमत 600 करोड़ रु. आंकी जाएगी अर्थात इस योजना ने आम जनता को लगभग 450 करोड़ रु. का लाभ पहुंचाया है. इस वित्त वर्ष में बचत का अनुमान एक हजार करोड़ रुपये से अधिक का है.



यह योजना जनसामान्य को उच्च गुणवत्ता वाली सस्ती दवाईयां सुलभ करवाने में मील का पत्थर साबित होगी. माननीय प्रधानमंत्री का सभी को संपूर्ण स्वास्थ्य सेवा प्रदान करने का संकल्प इस योजना के माध्यम से पूरा किया जा सकता है. इससे

अन्य दवाओं के बाजार मूल्य में भी कमी आयेगी तथा गरीब एवं वंचितों तक अच्छी गुणवत्ता की दवाईयां पहुंच पायेंगेगी.

— डी.वी. सदानंद गौड़ा, माननीय रसायन एवं उर्वरक मंत्री

वचालिटी एवं चेक भंडारण

एक आम धारणा यह है कि सस्ती वस्तुओं की गुणवत्ता खराब होती है, पर जनऔषधि दवाएं इसका अपवाद हैं. जनऔषधि केंद्रों पर मिलने वाली दवाएं सिर्फ डब्ल्यूएचओ-जीएमपी मानकों पर खरे उतरने वाले उत्पादकों से ही क्रय की जाती हैं. इनके अलावा, दवाओं के हर बैच के सैंपल एनएलबीएल मान्यता प्राप्त स्वतंत्र लैबों में टेस्ट किए जाते हैं. सकारात्मक रिपोर्ट आने परही ये दवाएं केंद्रों को भेजी जाती हैं. दवाओं



महंगी दवाईयों के कारण उचित ईलाज से वंचित आम जनता के लिए प्रधानमंत्री भारतीय जन औषधि परियोजना एक वरदान साबित हुई है. इससे जनता को किफायती मूल्य पर उच्च गुणवत्ता वाली दवाईयों के साथ-साथ

स्वरोजगार का विश्वसनीय साधन भी मिला है. यह एक मूक क्रांति की शुरुआत है.

आइए ... इस आंदोलन का हिस्सा बनें!

— मनसुख मांडवीय,
माननीय रसायन एवं उर्वरक राज्य मंत्री

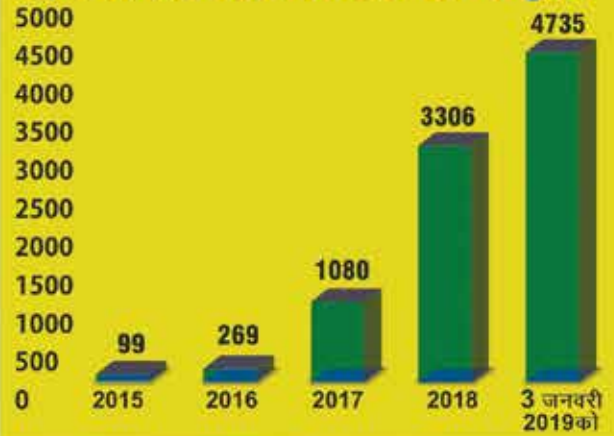
के भंडारण के लिए तापमान एवं नमी नियंत्रित तथा आधुनिक सुविधाओं से युक्त 65,000 वर्ग फीट का विशाल 'भंडारण गृह' गुरुग्राम जिले में है, जहां से केंद्रों को सीधे आपूर्ति की जाती है. इसके अलावा दो 'क्षेत्रीय भंडारण गृह' गुवाहाटी एवं बेंगलूरु में अवस्थित हैं.

पर्यावरण को प्राथमिकता

बीपीपीआई ने भारत का सर्वप्रथम ऑक्सो-वायो डिग्रेडेबल सैनिटरी नैपकिन पैड 'जनऔषधि सुविधा' के नाम से बाजार में उपलब्ध कराया है जोकि पूरी तरह कुछ महीनों में नष्ट हो जाता है. इसकी कीमत (चार के पैक की) मात्र 10 रुपये रखी गई है. जिससे निर्धन महिला भी इसका उपयोग कर सके.

जनऔषधि परियोजना आम भारतीय के लिए एक वरदान साबित हो रही है, जोकि उसे महंगी दवाइयों से निजात दिला रही है. आने वाले में इसके दूरगामी परिणाम होंगे जो दवाइयों की कीमत कम करने एवं इन्हें सर्वसुलभ करवाने की दिशा में मिल का पत्थर साबित होगा.

जनऔषधि केंद्रों की संख्या में वृद्धि



प्रधानमंत्री भारतीय जनऔषधि परियोजना

टर्नओवर में वृद्धि





Cadila Healthcare Ltd



Year of MoU/IIF Signed: 2017

Project Type: Manufacturing

Product Name: Expansion of Manufacturing Facility at SEZ

Capacity of the Project/Product: 350 million pills

Project Location: Ahmedabad & Sanand

Date of Commencement: 21/06/2017

Address of the Company: Plot No.: 1A/1 & 2, Pharmez Economic Zone, Sarkhej-Bavla Highway, Near Village Matoda, Tal. Sanand, Dist. Ahmedabad - 382 213

Cadila Healthcare Ltd. is an Indian pharmaceutical company headquartered at Ahmedabad in Gujarat. The group has manufacturing sites and research facilities spread across five states -- Gujarat, Maharashtra, Goa, Himachal Pradesh and Sikkim in India -- and in the US and Brazil. Zydus' global business has a strong presence in the regulated markets of the US, Europe (France and Spain) and in the high-profile markets of Latin America and South Africa. It is also present in a big way in 25 other emerging markets worldwide.

The company has invested Rs. 1,000 crore in the project, offering employment to 400 people. The project spread over an area of 6.05 hectare boasts of state-of-the-art fully automated lines integrated for manufacturing and packaging tablets.

It is a 100 percent regulated MFG facility catering to the US and European Union markets. In 2018 alone, 20+ products were launched from the plant. There is a capacity expansion plan in place to increase the output up to 650 million pills per annum.



Emcure[®]
Success Through Innovation

Emcure Pharmaceuticals Limited



Year of MoU/IIF Signed: 2015

Project Details: Manufacturing

Product Name: State of the art & futuristic facility for manufacturing of pharmaceutical formulation, nutraceuticals, healthcare and R&D

Project Capacity: Phase I – 50 Million Vials/Pre Filled Syringes/ Per Annum

Project Location: Sanand, Ahmedabad

Date of Commencement: March 2018

Address of the Company: SM-14, 15 & 16-1, Gujrat Industries Development Corporation, Sanand, District Ahmedabad, Gujarat-382110

The company was incorporated in 1981 as a private limited company under the Companies Act, 1956. Emcure Pharmaceuticals Limited is primarily engaged in manufacturing, fabricating, or processing drugs in pharmaceutical preparations for human or veterinary use. The greater part of the products of these establishments are finished in the form intended for final consumption, such as ampoules, tablets, capsules, vials, ointments, medicinal powders, solutions, and suspensions.

Spread over 54 hectares and built with an investment of Rs. 290 crore, Emcure's Sanand unit is 100 percent export-orientated. The products and processes developed by the company's in-house Research & Development laboratory meet international regulatory and patent requirements. At the unit, novel liposomal and long acting microsphere technology has been developed by in-house R&D team and is under execution for process development. The project complies with Gujarat Pollution Control Board's norms including ground water charging, recycling, etc.



IKDRC-ITS: PIONEERING TRANSPLANTATION FOR HEALTHY INDIA

The Institute of Kidney Diseases and Research Center, Institute of Transplantation Sciences (IKDRC-ITS) has been able to keep the cost of patient care low by taking certain measures like using generic medicines for treatment; purchasing medicines through e-tendering process; and purchasing medicines directly from the pharma industry rather than middlemen, says **Dr Vineet V Mishra**, I/C Director, IKDRC-ITS, in conversation with **Elets News Network (ENN)**.

What distinguishes the Institute of Kidney Disease and Research Centre from other health organisations in India?

Institute of Kidney Diseases and Research Center, Institute of Transplantation Sciences (IKDRC-ITS), Ahmedabad, provides treatment to patients from all strata of the society, ranging from the richest to the poorest person. All are given similar and latest treatment without any prejudice. We are passionate about kidney transplantation and we want to offer our dialysis service to patients from Gujarat as well as those who reside outside the State. We have 400 beds to take care of patients with kidney diseases. Besides, our new building has 600 beds for multi-organ transplantation. We are the largest public sector hospital taking care of patients with kidney diseases. So far we have completed 5,500 kidney transplantations in our single centre.

Given the high cost of quality healthcare in India, how has the institute been able to provide excellent care to poor patients?

We have been able to keep the cost of patient care low by taking certain measures like using generic medicines for treatment; purchasing medicines through e-tendering process; and purchasing medicines directly from the pharmaceutical industry rather than

middlemen. Government support and donations from volunteers also help us in keeping the treatment costs low without compromising on the quality of care.

Tell us about the world's first kidney transplant university built by the institute.

IKDRC-ITS being the pioneer institute for transplantation not only in Gujarat but in India as well, the Government of Gujarat has given it the status of State University and named it as Gujarat University of Transplantation Sciences (GUTS) to promote the development of transplantation science in the State. IKDRC-ITS is the first constituent institute of GUTS.

Mission: Transplantation science is one of the most challenging and complex branches of modern medicine requiring support from many medical and paramedical specialties. The mission of GUTS is to serve as an academic and research nucleus to these specialties to improve the clinical, scientific and social aspects of transplantation, making it accessible and affordable to population at large and giving them healthy and productive lives.

Objectives: The main objective of the University is to provide efficient and responsive administration, scientific management and organisation of



Dr Vineet V Mishra
I/C Director, IKDRC-ITS

teaching and research programmes in the areas related to transplantation and allied sciences. It will provide a multi-disciplinary environment for transplantation professionals to promote and unite basic and clinical research.

Tell us about some of the latest innovations that have led to better patient care and improved quality of life of patients.

Gujarat Dialysis Programme: The initiative has been taken to provide dialysis service to all the people of

Gujarat within 30 km of their homes.

Surgical innovations: We have introduced state-of-the-art transplantation services like robotic transplantation, robotic surgery, laparoscopic transplantation, and transplantation by Ahmedabad tolerance protocol designed by founder director Dr HL Trivedi. Many foreign faculty come to our hospital for learning surgical innovations, including robotic transplantation.

Kidney Paired Donations (KPD): It has increased the living donor kidney transplantation rate by 25 percent in one year. This is the largest number of KPD transplantations done in one year in any single centre in the world. KPD should be promoted to overcome the organ crisis and shortage of deceased donor kidney transplantations programme.

How are transplant regulations impacting organ donations in Gujarat?

The Gujarat government has been very kind in terms of regulating organ donations. We follow the regulations of the Central Government [Transplant of Human Organs Act (THOA)]. Moreover, we have an intercity organ procurement programme in order to procure human organs like kidney, liver, pancreas, among others from any city in Gujarat. We get ample help from the government.

What role does the Government of

IKDRC-ITS being the pioneer institute for transplantation not only in Gujarat but in India as well, the Government of Gujarat has given it the status of State University and named it as Gujarat University of Transplantation Sciences (GUTS).

Gujarat play in promoting Research and Development (R&D) in healthcare sector of the State?

The Gujarat government is providing IKDRC-ITS every possible help in the area of research and development. The government gives us financial support to carry out R&D projects like Ahmedabad Tolerance Protocol, Kidney Pair Donation, robotic transplantation, laparoscopic transplantation, etc. The various schemes floated by the State Government ensure that patients in Gujarat are not deprived of medical treatment.

How do you think Ayushman Bharat will help improve access to quality healthcare services and what impact would this largest healthcare insurance scheme have in India?

Ayushman Bharat is an excellent scheme

developed by the central government to provide medical insurance to the poor and middle-class people suffering from kidney and other diseases.

What is the vision of your institute and how do you see it impacting the society in future?

IKDRC-ITS, Ahmedabad's mission is reflected in the slogans created for our various programmes. These include:

- Kidney Health for Everyone Everywhere: Kidney Health for All
- Gujarat Dialysis Program: Bridge to Kidney Transplantation
- Donate – Kidneys for Life – Receive
- Protect your kidneys: Keep your pressure down
- Protect your kidneys: Control diabetes
- Protect your kidneys: Save your heart
- Prevention of Kidney diseases: Are your kidneys okay?
- Kidneys for Life – Stop Kidney Attack!
- Kidney Disease & Children – Act Early to Prevent It!
- Kidney Disease & Obesity – Healthy Lifestyle for Healthy Kidneys

The institute's objectives include:

- Raising awareness about our amazing kidneys and highlight that diabetes and high blood pressure are key risk factors for Chronic Kidney Disease (CKD).
- Encourage systematic screening of all patients with diabetes and hypertension for CKD.
- Encourage preventive behaviours.
- Educate all medical professionals about their key role in detecting and reducing the risk of CKD, particularly in high risk populations.
- Underscore the important role of local and national health authorities in controlling the CKD epidemic. On the World Kidney Day all government authorities are encouraged to take action and invest in further kidney screening.
- Encourage transplantation as a best-outcome option for kidney failure, and the act of organ donation as a life-saving initiative.

Team work and government support will be the key to achieve our mission's objectives. ●





Gujarat Organics Limited



Year of MoU/IIF Signed: 2017

Project Details: Manufacturing

Product Name: Pharmaceutical Preservative

Project Location: Jhagadia, Ankleshwar, Bharuch

Date of Commencement: 15/09/2016

Address of the Company:
Plot No. 127/1, G.I.D.C. Industrial Estate, Ankleshwar GIDC, Gujarat - 393 002. India

Established in 1978, Gujarat Organics Limited, is an associate company of Asian Paints Limited, one of the largest paint manufacturing companies in the world.

It is a researched-based leading manufacturers of specialty chemicals and preservatives - Parabens, Parabens Salts & their Formulations. It is an ISO 9001:2015 and ISO 14001:2015 certified company, having gained recognition of "One Star Export House" from the Directorate General of Foreign Trade, Government of India. In addition, the company's products have Halal and Star-K Kosher Certification.

The company has a very efficient, flexible and local FDA-approved manufacturing facility in Ankleshwar, Gujarat (India) with world class safety and environmental standards. The core process strength is carboxylation, esterification and etherification and known for various esters of Para Hydroxy Benzoic Acid and Salicylic Acid.





Sun Pharmaceuticals Industries Ltd



Year of MoU/IIF Signed: 2013

Project Type: Manufacturing and Infrastructure

Product Name: Active Pharmaceuticals Ingredients & Pharmaceuticals Formulation

Project Location: Panoli, Bharuch and Halol Baska

Date of Commencement: 01/10/2013

Address of the Company: Plot No. 24/2 & 25, GIDC Chemical Zone, Panoli; and Z-15 Dahej Industrial Area, Taluka Vagra, District Bharuch; and Halol-Baroda Highway, Halol, Panchmahal (APIs & Formulation)

Established in 1983, Sun Pharma has grown from strength to strength. Today, the company has over 1,600 registrations across 30 countries, over 1,000 registrations filed and pending approval. In these countries, it uses the same approach to speciality brand building and customer focus that have worked for it in India.

The company is engaged in manufacturing of products in therapy areas including CNS disorders, Cardiology, Diabetes and Metabolic disorders, Gastroenterology, Ophthalmology, Oncology, Pain, Allergy, Asthma and Inflammation and Gynaecological.

Sun Pharma has ensured world-class quality in design, equipment and operations in all our manufacturing facilities across the world. Sun Pharma has over 45 (API & finished dose) state-of-the-art manufacturing sites spanning six continents. These manufacturing units are located in India, the US, Brazil, Canada, Egypt, Hungary, Israel, Bangladesh, Mexico, Romania, Ireland, Morocco, Nigeria, South Africa and Malaysia. Our units ensure to provide best-in-class products to patients across 150 countries worldwide.





Reaching People.

www.sunpharma.com



From humble beginnings in 1983, Sun Pharma has grown to become the 5th largest generic pharmaceutical company in the world. Our passion for R&D has enabled us to develop over 2000 products that are sold in 150 countries worldwide. At Sun, we are driven by our core values of quality, reliability, innovation, trust and consistency. These values inspire us to reach out and touch millions of lives globally.

Touching Lives.

#wearesun



Meril Healthcare Pvt Ltd



Year of MoU/IIF Signed: 2013

Project Type: Manufacturing

Product Name: Vascular Interventional devices, Orthopedics, Endo-surgery & In-Vitro Diagnostics

Project Location: Vapi

Date of Commencement: 01/10/2013

Address of the Company: 135/2/B and 174/2 H1-H3, Meril Park, Mukatanand Marg, Challa, Vapi, Gujarat

Meril is one of Asia's fastest growing global medical device company. It is dedicated to the design and development of novel, clinically relevant, state-of-the-art best-in-class devices to alleviate human suffering and improve quality of life.

Meril has operations across four verticals: vascular interventional devices, orthopedics, endo-surgery and in-vitro diagnostics. Meril shares and endures commitment to advanced healthcare solutions, so more patients may be able to live longer and lead healthier lives. Thus, it shares a strong commitment to R&D and adheres to the best quality standards in manufacturing, scientific communication, and distribution.

Established in 2006, the company was launched in line with the healthcare diversification plan of Meril Group. Located 150 kms north of Mumbai at Vapi and ensconced within the serene hill sides of Chala town, Meril sits proud on its ultra-modern manufacturing and R&D facilities.



smiths medical



*At Smiths Medical,
we deliver on our
commitments*

Healthcare Challenges Today



Improved Patient
Safety



Improved
Continuum Of Care
Experiences



Reduced Length
of Stay



Patient Outcomes



Reduced
Readmission

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At Smiths Medical, we deliver on our commitments to patients, caregivers, providers and payers, so they can deliver on theirs.

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Ambulatory drug delivery systems that allow complete patient mobility.

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- Safety needles

Portex®

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Deltec®

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Life-saving products that keep you breathing:

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- Patient monitoring

Pneupac™

- Mobile ventilation

Smiths Medical India Pvt. Ltd.

508-509, Western Edge 2, W.E. Highway, Borivali (E), Mumbai- 400 066, India

Tel: +91 22 28705210 | Fax: +91 22 28705211

Email: csindia@smiths-medical.com | www.smiths-medical.com



Torrent Pharmaceuticals Ltd



Year of MoU/IIF Signed: 2017

Project Details: Manufacturing and Infrastructure

Manufacturing Product Name: Oncology Products

Project Location: Village: Bileshwarpura, Tal: Kalol, Dist.: Gandhinagar, Ahmedabad – Mehsana Highway, Gujarat.

Date of Commencement: January, 2020

Address of the Company: Village: Bileshwarpura, Tal: Kalol, Dist.: Gandhinagar, Ahmedabad – Mehsana Highway, Gujarat.

Torrent Pharma, the flagship Company of Torrent Group, and one of the leading Pharma companies in the Country. They are the pioneers in initiating the concept of niche marketing in India and today we rank amongst the leaders in the therapeutic segments of Cardiovascular (CV) and Central Nervous System (CNS) and have significant presence in Gastro-Intestinal, Diabetology, Anti-Infective and Pain Management segments. Torrent Pharma has crossed many geographical boundaries with presence in more than 40 countries. Torrent Pharma's international business is segregated into the US, UK, Germany, Europe, Brazil and Rest of the World.

It has also forayed into the therapeutic segments of nephrology and oncology while also strengthening its focus on gynecology and paediatric segments.

At Torrent, it is strongly believed to provide quality medicines at affordable price to the patients. In this quest, primarily, the company has inclined itself towards safeguarding both the qualitative and quantitative aspects with the help of its robust manufacturing technologies and manufacturing facilities. Torrent Pharma is the sole manufacturer of Insulin Formulations for Novo Nordisk in India since the early 1990. It has also set up a dedicated formulation and packaging facility for insulin.



**NIPER-Ahmedabad secures 1st Rank in Teaching, Learning and Resources & Outreach and Inclusivity
Overall 14th Best Pharma Institute in India @ NIRF Rankings**

NIPER-Ahmedabad

Academic

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- Cutting Edge Curriculum
- Diversity of Students
- Globalisation
- Unique MS and Ph.D program in Medical Devices

Achievements

- National Innovation Awards
- International Joint Publications
- Patents
- Research Project Grants (National & International)
- Industry Sponsored Projects
- 100% Student Placement

Research

- State of Art Research Facility
- Interdisciplinarity
- Translational
- Industry Oriented

Collaborations

Academic & Research

- Nobel Laureate Prof. A Schally
- Harvard Med. School, USA
- Johns Hopkins Med. School, USA
- University of Newcastle, AUS and many other Int. Universities



अहमदाबाद
AHMEDABAD

Innovations, Collaboration, Translation

National Institute of Pharmaceutical Education and Research, Ahmedabad

Department of Pharmaceuticals, Ministry of Chemicals and Fertilizers

Palaj, Opp. Air Force Station, Gandhinagar-382355 Gujarat, India

✉ registrar@niperahm.ac.in 🌐 www.niperahm.ac.in



Unique Pharmaceutical Laboratories



Year of MoU/IIF Signed: 2017

Type of Project: Manufacturing

Manufacturing Product Name:
Oncology Products

Product Name: Life Saving Drugs

Capacity of the project: 300 crore tablets/annum

Project Location: Taluka Panoli,
District Bharuch


Date of Commencement:
23/06/2016

Address of the Company: PLOT
NO: 4, Phase 4, GIDC, Panoli, Dist.
Bharuch, Gujarat

Unique Pharmaceutical Laboratories (UPL) is well known in the Pharmaceutical Industry and within the Medical Fraternity in Nigeria primarily for its Intravenous Fluids manufactured using the innovative and High - Tech manufacturing process known as Form - Fill - Seal - Technology. The Company is also well known for its locally Manufactured and Imported Range of Products covering several Therapeutic categories such as analgesics/antipyretics, haematinics, multivitamin preparations, anti-infective agents, cough and cold preparations, antacids, anti-hypertensives, anti-diabetics agents and dermal preparations, etc.

Built at an investment of Rs.213 crore, the company's Panoli plant is a green site with energy saving on electricity and water. The building is constructed to use sunlight during the day time. Solar panels are installed for generation of Solar energy and is connected to the grid for export when not in use internally. The project provides direct and indirect employment to 280 people.





Information Technology



Cisco Systems India Pvt Ltd



Year of MoU/IIF Signed: VG-2017

Sector: Services

Project Details: Setting up of practical lab facility in 11 ITIs

Date of Commencement:
01/05/2017

Address of the Company: SEZ
Unit, Cessna Business Park,
Kadubeesanahalli Village Varthur
Hobli, Sarjapur Marathalli Outer
Ring Road, Bangalore, Karnataka
560103

Cisco is a leading manufacturer of network hardware/software, and telecommunication equipment in the world. It helps companies of all sizes transform how people connect, communicate, and collaborate.

Cisco commenced India operations in 1995. There are seven sales offices in the region – New Delhi, Mumbai, Bengaluru, Chennai, Pune, Kolkata, and Hyderabad.

The Cisco Global Development Center is in Bengaluru and the largest outside the US. It houses Cisco's Research and Development (R&D), IT, Services and customer support teams and develops disruptive business models for Cisco to create new go-to-market channels, markets, processes and technologies for emerging markets. The Advanced Global Briefing Center located here showcases Cisco's latest technology solutions and proof-of-concepts.

In Gujarat, CISCO set up the practical lab facility in State Government-owned 11 ITIs. The company trained the ITI trainees also. For each ITI, CISCO donated the networking equipment also worth Rs. 10 lakh. In this setup, ITI students have been trained.





Savli Technology & Business Incubator [STBI]

Dept. of Science & Technology, Govt. of Gujarat

Nurturing Startup Economy

- Our Contribution To Nation Building



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- TECHNOLOGY MANAGEMENT SERVICES

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BIRAC SEED Fund

BT Policy

Savli Technology & Business Incubator (STBI)

EPIP/CFC Building, Savli GIDC Estate, Manjusar, Vadodara, Gujarat 391775

www.SavliBioIncubator.in | 02667-266000 | info-stbi-vdr@gujarat.gov.in



iSON BPO INDIA PVT LTD



Year of MoU/IIF Signed: Services

Project Name: IT/ITES (BPO)

Project Location: Vasna Road, Vadodara

Date of Commencement: 15/07/2017

Address of the Company:
 iSON BPO INDIA PVT LTD
 3rd/4th Floor, Wing-E, Siddharth Excellence, Beside Sevashray Society, Opposite Pancham Icon, Vasna Road, Vadodara, Gujarat-390007

iSON BPO is a specialist in proactive customer engagement and customer experience management, partnering with leading brands to optimise their customer experience, revenue generation and business process management across the enterprise.

The company has a dedicated and talented workforce spread across India, Sub-Saharan African countries and Myanmar. In less than a decade, the company has expanded its global business significantly.

iSON has been in contact centre operations in India since July 2013. For a leading Telecom giant, iSON provides Inbound Customer Service, Inbound-Dealer Helpdesk, Outbound Sales, and Back-Office services. The company has over 5,300 staff employed in its contact centre service delivery across eight locations in India. Besides telecom, the company also serves BFSI, e-commerce and Travel booking clients in India.





Nivida Web Solutions Pvt Ltd



Year of MoU/IIF Signed: 2017

Project Name: Service

Capacity of the Project: 200
Projects/Year

Project Location: Vadodara

Date of Commencement:
12/08/2013

Address of the Company: 315
Atlantis, Opposite Vadodra
Central Mall, Near Ganda Circle,
Vadodara, Gujarat-390023

Nivida Web Solutions Private Limited was incorporated on 12 August 2013 with an aim to provide best offshore web solutions all around the world to the foundations looking for web services from India. The company offers services in domains including IT manpower, software development, e-commerce, mobile apps, digital marketing, web hosting, and data centre.

The company's web design services help businesses get a new face in the online world. With its experienced and skillful web designers, the company helps businesses create customised business specific logo designs along with overall website design. The company also offers brochure designing which can be used for offline marketing in the form of flyers.

In the software development domain, the company offers high range of expertise in core PHP, Java and .Net programming to help the clients create great web applications. Analysing the client requirements and using PHP or .Net development skills, the company creates high profile bug-free effective web applications. Nivida also specialises in CMS customisation services for WordPress, Joomla, Drupal, etc.

Vadodara is an emerging IT Hub of India. The company has a strong hold in manpower segment and aims to hire 500 IT executives in the next five years. The company is looking for more space, hardware and training sessions to achieve this goal. Nivida already has 12 times more project inquires from more than 10 countries than its current capacity.



Secure Meters Limited



Year of MoU/IIF Signed: 2017

Project Name: Manufacturing

Product Name: Electronic Energy Meter/Gas Meter

Capacity of the Project: 3.6 Million units per annum

Project Location: GIDC-Sanand-II, Ahmedabad

Date of Commencement: 28/03/2018

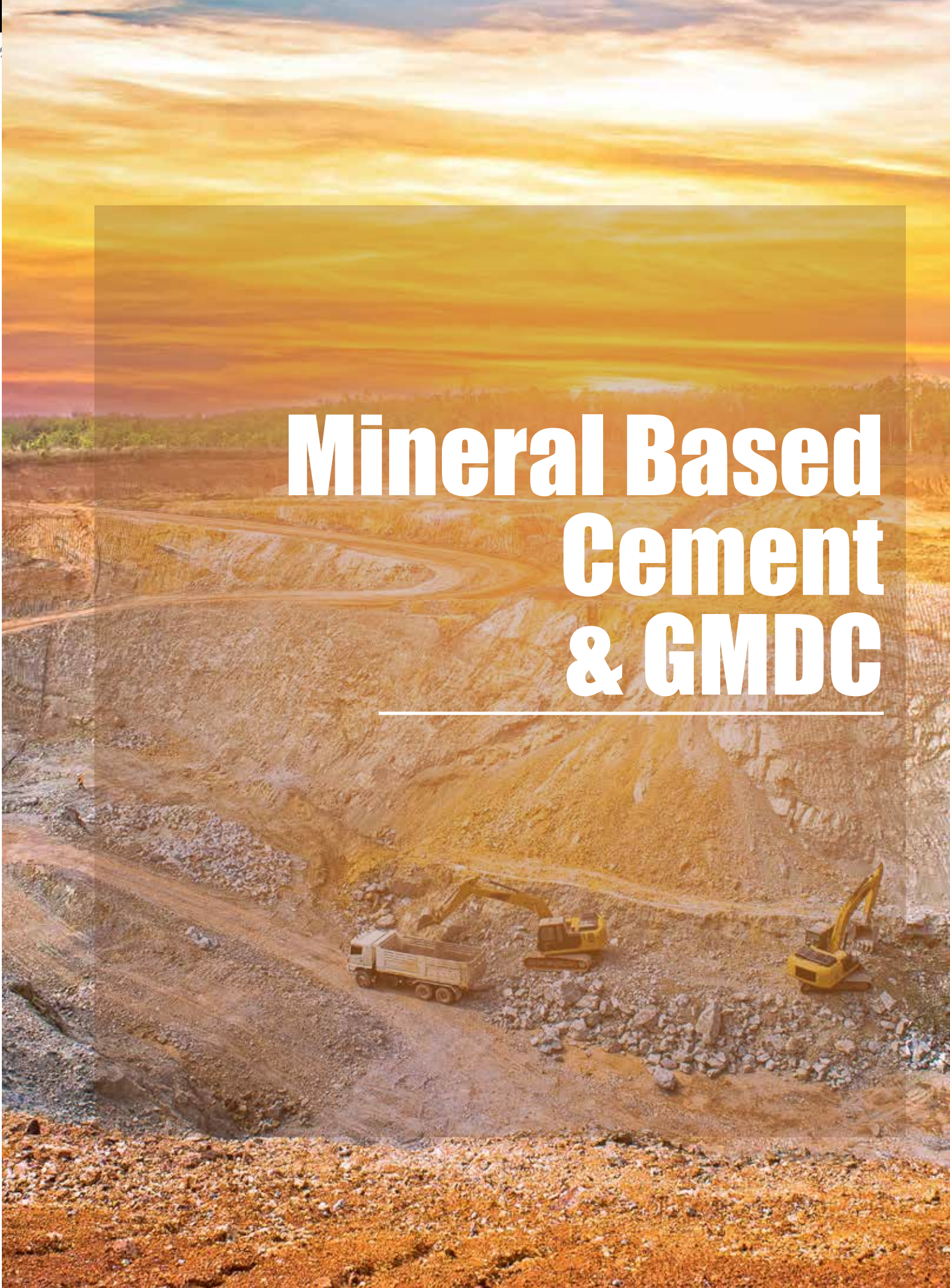
Address of the Company:
E-566, Road-H, Industrial Estate
GIDC-II, Sanand, Ahmedabad,
Gujarat-382110

Secure Meters was the first company to introduce electronic energy meters in India in the late eighties. Sustained accuracy, high quality and features that helped revenue protection were a hallmark of the products from Secure Meters. It enabled Indian utilities to reduce their commercial losses and improve energy management.

The prepayment metering concept that the company developed empowered electricity customers in India to manage their demand and conserve energy. Today, thousands of customers all over India are using this innovative metering concept. On the other hand, it enables a utility to change consumption patterns by differential pricing. The revenue is assured as it is received in advance. Thus the system benefits both our customer and the end user.

The Indian power sector is undergoing change and reforms are underway to reduce losses, improve quality and reliability of power supply at an affordable cost. More than one hundred utilities in India – both in private and public sector – are using our products and solutions to achieve this objective.

We are a preferred vendor to most of them because of our approach in doing business and the support that we provide. All this is a reflection of our philosophy of working together with our customers.



Mineral Based Cement & GMDC



Gujarat Sidhee Cement Limited



Year of MoU/IIF Signed: 2013

Project Type: Manufacturing

Product Name: Installation of Bag House Sewage Treatment Plants
Installation of Roto (Electronic) Packers EMS upgradation

Capacity of the Project/Product:
N.A.

Project Location (District & Taluka): Taluka Sutrapada, District Gir Somnath

Date of Commencement:
02/12/2013

Address of the Company: At Village Sidheegram, Taluka Sutrapada, District Gir Somnath

Gujarat Sidhee Cement Limited (GSCL) markets cement under the brand name 'Sidhee'. The company is an ISO 9001:2008, ISO 14001:2004 and ISO 18000:2007 certified company which manufactures Ordinary Portland Cement (OPC) 53 grade, 43 grade, Portland Pozzolana Cement (PPC) types of cement and clinker, that comply with world-class quality standards. GSCL is one of the first Indian cement companies to get 53 grade license.

The GSCL is a recognised export house and has won the Indian cement Industry's prestigious National Productivity Awards thrice in succession.

The company has invested Rs. 33.20 crore in the Sutrapada project, which offers key benefits to the society like pollution level control up to remarkable level (within norms) due to installation of Reverse Air Bag House in place of ESP; recycling and reuse of domestic waste water for gardening by construction of 3 STPs of 100 KLD each. Due to installation of rotary packers in place of mechanical packers, the accurate weight are maintained and fugitive emission controlled and after covering of all conveyor belts and installation of high efficiency dust collectors, the Ambient Air quality has improved, with pollution of air and water arrested in totality.





Patel Granite



Year of MoU/IIF Signed: 2015

Type of Project: Manufacturing

Product Name: Granite Cutting and Polishing Plant

Capacity of the Project/Product: 15898 MT/Month

Project Location: At Rena village, Taluka Shahera, District Panchmahal

Date of Commencement: 24/11/2016

Address of the Company: At Kanku Thambhala, Taluka Godhra, District Panchmahal

Patel Granite is active on pan India level and also internationally, dealing in Indian granites and stones. The company has a strong list of clients and worked for several prestigious projects. With skilled manpower and the requisite knowledge, the company has established its name in the Indian granite industry. With an investment of Rs. 131 crore in Rena plant, the company uses latest machines and technology to produce world-class finished products.





Sanghi Industries Limited



Year of MoU/IIF Signed: 2015

Project Details: Manufacturing

Product Name: 53 Grade OPC

Capacity of the Project:
4.0 MTPA

Project Location: PO-
Sanghipuram, Taluka: Abdasa,
Dist-Kutch, PIN-370511

Date of Commencement:
January 2015

The Ravi Sanghi Group is a leading and diversified business conglomerate of India. Established in the year 1979, the Group has interest in diverse businesses in Cement, Power, Port and Infrastructure Industries. Armed with a commitment to excellence, belief in the strength of technology, and a vision ahead of times, the group has created many success stories. Sanghi Industries Limited is the flagship company of Group dealing in the production and distribution of Cement with the Brand Name "Sanghi Cement".

Sanghi Cement is produced at one of the world's largest single stream Cement Plants located at Sanghipuram, Kutch. This plant is fully automatic with state-of-the-art technology from FLSmidth, USA and having capacity of 4.0 MTPA with an investment of Rs. 3,000 crore. The plant has complete captive infrastructure including a Power Plant, Captive Port, a desalination plant and a full-fledged Digital/Cashless Township. The company produces superior quality 53 Grade OPC, PPCement and PSCement and is endorsed by means of awards like : "Most Trusted Company of the year", "Most Preferred Cement Brand of the Year" and "India's Top Challenger" from Institutes of repute.





UltraTech Cement Ltd



Year of MoU/IIF Signed: 2013

Project/Product Name:

Alternative Fuel Feeding System for waste utilisation in cement Kiln

Capacity of the Project/Product:

To feed 1.5 LMT of municipal and other waste in to kiln

Project Location: UltraTech

Cement, Gujarat Cement Works, Kovaya, Tal. Rajula & Dist. Amreli

Date of Commencement:

17/12/2015

Address of the Company: M/s

UltraTech Cement Ltd., Village-Kovaya, Tal. Rajula, Dist. Amreli, Gujarat- 365541

While being the largest manufacturer of grey cement, Ready Mix Concrete (RMC) and white cement in India, it is also one of the leading cement producers globally.

The company has a consolidated capacity of 96.5 Million Tonnes Per Annum (MTPA) of grey cement. UltraTech Cement has 19 integrated plants, 1 clinkerisation plant, 25 grinding units and 7 bulk terminals. Its operations span across India, the UAE, Bahrain, Bangladesh and Sri Lanka. UltraTech Cement is also India's largest exporter of cement reaching out to meet the demand in countries around the Indian Ocean and the Middle East.

With 100+ Ready Mix Concrete (RMC) plants in 35 cities, UltraTech is the largest manufacturer of concrete in India. It also has a slew of speciality concretes that meet specific needs of discerning customers.





**GUJARAT STATE ROAD
TRANSPORT CORPORATION**



SERVICES

With, 8366 buses connecting 98% of villages & 99% population of Gujarat with daily operation of 32 lakh km. & approx. 24 lakh passengers per day, GSRTC now expanding its wings in other states of India. i.e. Rajasthan, Madhya Pradesh, Maharashtra, Goa, Uttar Pradesh, Haryana & Uttarakhand.

E-GOVERNANCE & DIGITIZATION

24 X 7 Control & Command Center connected with other 16 Divisional Control and Command Center along with IVRS based toll free helpdesk for the rigorous monitoring Implemented GPS based integrated vehicle Tracking and Passenger Information system along with Public Announcement System

All 8366 buses are GPS enabled and installed 577 PIS displays at 101 bus stations
E-Ticketing & Online Booking
Purchase through GEM Portal

SECURITY

CCTV Surveillance in all bus stations & depots

UPCOMING PROJECTS WITH PUBLIC PRIVATE PARTNERSHIP

Multi Model Transportation Hub (MMTH) Project at Surat with Railway & SMC
Bhavnagar, Jamnagar, Surendranagar & Junagadh bus terminal projects

CENTRAL WORKSHOP, GSRTC

Utilization of workshop facility and workforce is increased upto 100% from 40%
Better Safety measures & training
44 necessary corrections in body building
Production of 6 buses per day, 170 buses per month according to AIS052 standards, regularly tested and certified by CIRT & ARAI
In-house sleeper body building according to AIS119 standards, for the first time amongst all STUs, tested and certified by FSL



PREMIUM BUSES | NEW IT INITIATIVES

AC Volvo - 61 Fuel Automation
AC 2 X 2 - 35 Online ETMs
AC Sleeper - 12 Free Wifi with Infotainment in Buses

STATE OF THE ART PUBLIC BUILDINGS WITH PUBLIC PRIVATE PARTNERSHIP

6 Bus Terminal Projects worth Rs. 594.24 cr. under Built, Operate & Transfer (BOT) mode are completed & in public use
9 Bus Terminal Projects worth Rs. 677.21 cr. under Design, Built, Finance, Operate & Transfer (DBFOT) mode are under construction stage

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100% concession for sitting / Ex. MP/ MLA, rural girl students, blind people, handicaps, freedom fighters & their widows, Press, Radio & TV Reporters
82.5% concession in all student passes
50% concession for cancer & thalassemia patients & daily passengers



GREEN INITIATIVE: COMFORTABLE, SAFE & RELIABLE ELECTRIC BUS

Zero Emission - Zero Air pollution
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Very low maintenance & operational issues

A close-up photograph of a person's hand holding a single wooden block between their thumb and index finger. Below the hand is a stack of many similar wooden blocks, arranged in a pyramid shape. The background is a solid light blue color. The text 'MSME-IC' is overlaid on the right side of the image, underlined.

MSME-IC



Pentagon Forge & Machine Limited



Type of Project: Forging
Infrastructure

Product Name: Forging & CNC
Machining Parts

Capacity of the Project: 1000
MT/Month

Address of the Company: Survey
No. 19-20-21, Nr. Goverdhan
Ginn, NH-27, At Bharudi, District
Rajkot, Gujarat-360311

Starting operations in 2014 and spread over 1,45,000 sq. ft., the world class die forging and machining facilities of the company include advance die design & manufacturing facility, circular saw, induction billet heater and controlled temperature oil fired furnace, pneumatic hammers (HUTA MPM) and press, fully automatic continous type heat treatment furnace for Quench-Tempered, Iso Annealing & Normalising, shot blasting, crack detection, CNC Turn and vertical machine with rotary tilting table facility.

The company has invsted Rs. 9.25 crore in the Bharudi project, which is generating direct and indirect employment for 250 people. Pentagon Forge has been given IATF 16,949 cetification for having a Quality Management System (QMS), specifically for the automotive sector. It is also an ISO 9001:2008 certified company.

The company caters fully machined and ready to use component/forging to OEMs and export market in sector including Automotive, Pole-line transmission, Agriculture Industries, Oil & Gas Industry and General Engineering. In future, the company has plans to acquire forging simulation software, enhance forged capability up to 100 kg and production capacity up to 1,500 MT/Month, and develop open die forging, cold forging, closed die forging, upset forging and press forging.



Pilot Pipes Company



IIF Signed: 2017

Type of Project: Manufacturing

Product Name: PVC Pipes, HDPE Pipe, Column Pipes, Plumbing Pipe, Garden PVC Pipes and PVC related fittings and items

Capacity of the Project: 2,00,000

Project Location: Taluka Gondal, District Rajkot

Date of Commencement:
10/01/2017

Address of the Company:
Revenue Survey No. 1, Paiki4/
Paiki1, NH8-B, Village Pipalia,
Taluka Gondal, District Rajkot

Established in 2016 as a partnership firm, the Pipalia unit of the company was set up to start manufacturing and trading of all types of PVC pipes having nationwide market usage. The products developed in the project is available in a variety of sizes, shapes and length that suits the application need of diverse industries. The range has been developed using finest grade of raw material which is procured from reliable vendors. The products have high durability, strength, reliability and offer excellent performance. The finished products are stored in a spacious warehouse which is located near the sea and the port.





Radiant Fibertech Pvt Ltd



Year of MoU/IIF Signed: 2017

Type of Project: Manufacturing

Product Name: Non-woven fabric

Project Location: Village Bhunava,
Taluka Gondal, District Rajkot

Capacity of the Project: 1800 MT/
Annum

Address of the Company: Survey
No.56 P6/1, Rajkot-Gondal
NH-8B, Near Pan Agri Export, Vil:
Bhunava, Tal: Gondal, Dist: Rajkot,
Gujarat - 360311

Radiant Fibertech Pvt. Ltd. has started the production of non-woven fabric in 2012 with the brand name REDIFIL. The company's manufacturing plant is located on Rajkot - Gondal National Highway No. 8-B, at Bhunava. The prime aim for selecting the plant location is the proximity of plant to transportation facility, continuous power supply and availability of skilled and semi-skilled labourers.

With the main objective of protecting the environment from degradation, the company is committed to supply quality non-woven fabric made from 100% Polypropylene which is durable, attractive, cost effective and eco-friendly. The company is producing non-woven fabric from 10 GSM to 200 GSM with maximum width of 1,600 mm with more than 25 attractive colours.





Port & Port Based



Adani Hazira Port Pvt Ltd



Year of MoU/IIF Signed: 2015

Type of Project: Port
Infrastructure

Product Name: Development of
Liquid Tank Farm at Hazira Port

Capacity of the Project/Product:
0.7 MMTPA

Project Location: Hazira (Surat)

Date of Commencement: 2015

Address of the Company: At
& PO Hazira, Choryashi, Surat,
Gujarat-394270

Adani Hazira Port Pvt. Ltd. (AHPPL) is strategically located on the west side of the Hazira peninsula at approximately Latitude: 21° 06' North, Longitude: 072° 37' East. The project has been designed to store PoL, chemical, edible oil and other liquid cargo. Hazira Port handles all types of cargo including bulk, break-bulk, bulk liquid chemicals, petroleum products & edible oil, containers, automotive and crude.

AHPPL operates all non-LNG facilities in Hazira Port under the terms of the agreement with Hazira Port Pvt. Ltd. (HPPL). The plan includes the long-term port development with non-LNG cargo terminals (container and bulk terminals, and a proposed liquid terminal). AHPPL has commenced operations in January 2012.

Five Berths are operational as part of the first phase and two berths are under construction. Out of the five berths, two cater to the containers and three berths are used as a multi-purpose terminal for handling vessels of sizes varying from 80,000 DWT to 150,000 DWT.

Of the proposed investment of Rs.1000 crore, AHPPL has invested Rs. 590 crore in the Hazira project, creating direct employment for 55 persons and indirect employment for 109 persons.





Adani Ports and Special Economic Zone



Year of MoU/IIF Signed: 2017

Type of Project: Infrastructure

Product Name: Development of Container Terminal 5 (CT 3 extn.) at Mundra

Capacity of the Project: 1.4 MTEU

Project Location: Taluka Mundra, District Katchh

Date of Commencement: 2017

Address of the Company: Adani House, PO Box # 1, Mundra, Kutch-370421, Gujarat

Adani Ports and Special Economic Zone (APSEZ) is the seamless integration of 3 verticals consisting of Ports, Logistics and Special Economic Zone. The company has pan-India presence in 10 locations with the flagship Mundra port in the Gulf of Kutch.

Mundra Port is a deep draft, all-weather port that is today the largest commercial port of India with a high degree of mechanisation. It is the only port in the country with handling and storage facilities for crude oil, containers, dry bulk, break bulk, automobiles and liquid cargo. Mundra can berth the largest post panamax vessel and handle over four million TEUs or 20-feet Equivalent Unit.

Spread over 24 hectare and built with an investment of Rs. 2,330 crore, Container Terminal 5 (CT 5) is a 50-50 joint venture between MSC and Adani Ports and Special Economic Zone, which has been named as Adani International Container Terminal Pvt. Ltd. (AICTPL).





Dahej SEZ Limited



Year of MoU/IIF Signed: 2015

Type of Project: Port
Infrastructure

Product Name: Ro-Ro Jetty

Capacity of the Project/Product:
Any size and weight

Project Location: Taluka Vagara,
District Bharuch

Date of Commencement:
September 2018

Address of the Company: Z-94C
Non Processing Area, SEZ Dahej
part-II, Dahej

Dahej SEZ Ltd. is a joint venture of GIDC & ONGC for development of Dahej Multi Product Special Economic Zone (SEZ) at Vagra Taluka of Bharuch district in Gujarat. The Dahej SEZ Ltd. is at a strategic location on Delhi-Mumbai Industrial Corridor (DMIC) and within Gujarat Petroleum, Chemicals and Petrochemicals Investment Region (PCPIR).

Dahej SEZ is recognised as Highly Commended – “Asia-Pacific overall” - Dahej SEZ, India by FDI magazine, London in 2017. Infrastructure facilities like internal road with street light, water distribution network, disposal of treated effluent, power distribution network, gas distribution network, telecommunication network, fire station, full-fledged custom office are in place. Industries including MNC like Petrochemicals, Pharma, Chemicals, Engineering etc. have set up their manufacturing plants in Dahej SEZ.

DSL have allotted land plots to 88 companies, out of which 54 units are gone into production and remaining are in different phase of construction. Investment made till November, 2018 is Rs. 40,188 crore and export is Rs. 5,146 crore in 2017-18.

The SEZ is a part of Dahej Petroleum, Chemicals and Petrochemicals Investment Region (PCPIR) and is within Delhi-Mumbai Investment Corridor (DMIC). Dahej SEZ covers a total land area of 1,682 hectares wherein 1,573 hectare is processing area and 34 hectare is non-processing area.



Essar Ports Ltd



Year of MoU/IIF Signed: 2017

Type of Project: Port
Infrastructure

Product Name: Development of
multi-commodity port facility

Capacity of the Project/Product:
100 MTPA

**Project Location (District &
Taluka):** Taluka Devbhoomi,
District Dwarka

Date of Commencement:
December 2017

Address of the Company: Essar
House, 11, KK Marg, Mahalaxmi,
Mumbai - 400034

Essar Ports specialises in development and operations of ports and terminals for handling dry bulk, break bulk, liquid and general cargo. The current operational capacity of the port terminals in India is 95 MTPA, which is expected to increase to 110 MTPA. It is one of the largest private sector port operators in India in terms of capacity and throughput. It has four operational terminals in India—one each in Hazira and Salaya (both in Gujarat) on the west coast, and in Visakhapatnam and Paradip on the east coast.

Essar Bulk Terminal Salaya is a 20-million tonne, all weather, deep-water port, which is the only one of its kind in the Saurashtra region. It carries dry bulk cargoes (both export and import), like coal, coke, bauxite, limestone and dolomite, as well as break bulk cargo. It is capable of berthing large capsized vessels and is connected to a coal yard through a 15 km conveyor. The Port is equipped with latest technology for unloading cargo that is environment-friendly.





Indigo Seaways Pvt Ltd



Year of MoU/IIF Signed: 2015

Type of Project: Service

Product Name: Dahej-Ghogha Ro-Ro Ferry Service

Capacity of the Project: 1.4 MTEU

Project Location: Dahej (District Bharuch) & Ghogha (District Bhavnagar)

Date of Commencement: October 2018

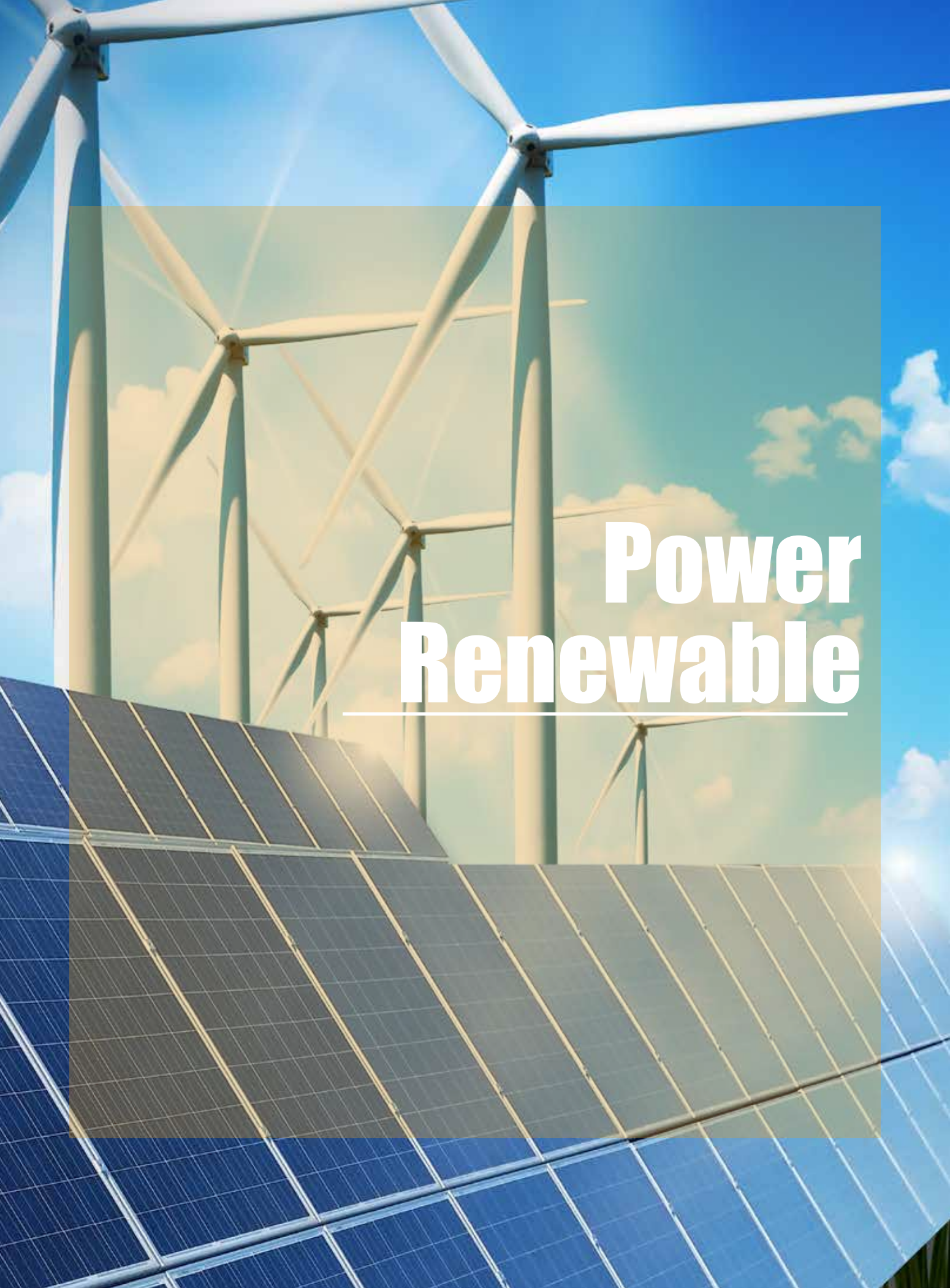
Address of the Company:
 Detox House , Opposite Gujarat Samachar Press, Udhana Darwaja Ring Road, Surat

Indigoseaways Pvt. Ltd, a Detox Group Company, is India's first Roll On-Roll Off Service provider--the unique and fastest passenger-cum-cargo service in partnership with Gujarat Maritime Board in Gulf of Cambay. The company's services are aimed at promoting employment/business opportunities along with significant reduction in the travelling time, cost and preserving the environment.

The salient features of the project include cost effective and competitive pricing with roads and rail; can load and ship number of vehicles per trip, thereby decongesting the roads and reduce pollution arising due to harmful emissions; compliant with IRS, ISPS and other regulatory requirement; significant reduction in travelling time; and well-experienced and highly knowledgeable team to provide prompt services in safe and compliant manner at all times.

The project, built with an investment of Rs. 140 crore, is expected to boost socio economic development of the areas in the vicinity of both the terminals due to employment opportunities. It will also boost tourism in Gujarat.





Power Renewable



A PROMISE FOR POWER

Powerica Limited


Year of MoU/IIF Signed:

2011/2013/2015/2017

Project Details: Renewable Energy

Product Name: Wind Power

Project Capacity: 214 MW

Project Location: Taluka:
Bhachau, District: Kutch/Taluka:
Jam Khambhaliya, District:
Devbhoomi Dwarka

Date of Commencement:

July 2012

Address of the Company: 9th
Floor, Bakhtawar, Nariman Point,
Mumbai – 400 021, Maharashtra,
India

Incorporated in 1984 under the visionary leadership of Naresh Oberoi, Powerica Limited emerged to be the biggest Diesel Generator manufacturer of the country. Over the last decade, Powerica has diversified itself into renewable energy sector keeping in the green and sustainable future of the nation. Today, Powerica boasts an asset of 245 MW wind power project spread across Gujarat and Tamil Nadu of which 203 MW has been installed as an independent Power Producer (IPP). Powerica is the first company from private sector to successfully commission the wind power project awarded under the first ever wind auction of the State of Gujarat. The project with a capacity 50.6 MW was commissioned 125 days ahead of the scheduled commissioning date.

Over the span of 10 years, Powerica established itself as a turnkey project developer with world's best technology and service. It has a qualified and experienced project development team with diversified fields which ensures successful and timely execution of the projects with 100% customer satisfaction. We believe in long term partnership and committed to provide hand holding assistance till 25 years of life of the wind project to our customers.





A PROMISE FOR POWER

With constantly evolving technological advancements being the heart of our focus, we aim to positively steer the renewable energy program in sync with the National Action Plan on Climate Change

- WIND IPP PROJECTS
- WIND EPC PROJECTS

Powerica Limited, Wind Division 9th Floor, Godrej Coliseum, C-Wing, Sion-Trombay Road, Sion East. Mumbai - 400 022 | Tel: 022-40012600
www.powericaltd.com



Astra Solren Private Limited



Year of MoU/IIF Signed: 2016

Type of Project: Infrastructure

Product Name: Solar Power Generation

Project Capacity: 65 MW (40 MW + 25 MW)

Project Location: Taluka Santalpur, District Patan

Date of Commencement: 40 MW from 31/03/2017 and 25 MW from 02/06/2017

Address of the Company: Plot No. 4 & 7, Gujarat Solar Park, Village: Charanka, Taluka: Santalpur, District: Patan, State: Gujarat – 385350

Astra Solren Private Limited (ASPL) is a wholly owned subsidiary of Mahindra Susten Private Limited which is cleantech arm of Mahindra & Mahindra Group. Mahindra Susten has executed approximately 2.4 GWp of solar project as an EPC Contractor; Mahindra Susten is also having IPP portfolio of more than 1.0 GWp Solar Projects under various SPVs.

The company's Patan project houses mix of various solar module technology such as polycrystalline and thin film. Also, it includes mix of various module mounting structure types such as fixed tilt and trackers. Trackers used in the project are indigenously designed by Mahindra Susten & manufactured in India.

The key benefits of the project include:

- a) Generating the electricity by using solar irradiations, which is the cleanest source of electricity generation.
- b) Generation and supply of more than 140 million units of electricity per annum to the State which can power more than 1.5 lakhs households annually.
- c) Achieving reduction in Carbon Emissions to the tune of ~143,000 tonne CO2 every year.
- d) Job opportunity (both skilled and unskilled) for local people





Climate Change Department
Government of Gujarat

Let's Adopt Battery Operated Rickshaw, Save Petrol and Save Environment



- The citizens of Gujarat State individually or different institutions can take benefit of this scheme on first come first serve basis.
- Scheduled Caste, Scheduled Tribe, Physically handicapped and Rickshaw Drivers will be given preference under this scheme.
- Subsidy of Rs. 30,000/- per E-Rickshaw will be deposited in Bank A/c through Direct Benefit Transfer by State Government.

Information of Authorized Manufacturer of vehicle, Model and Price is available on
GEDA Website: www.geda.gujarat.gov.in

Authorized Manufacturer:

- Electrotherm (India) Ltd – 7777999599
- Kinetic Green Energy and Power Solution Ltd – 9011915399
- Shree Ram Auto Tech Pvt Ltd – 9825268632
- Atul Auto Ltd. – 9924122428
- Mahindra and Mahindra Ltd – 9727771286
- Rasandik Engineering India Ltd – 8802113448
- Lohia Auto Industries – 9720572999
- Goodwill High Precision Works – 9099074542
- Rasandik Engineering India Ltd



GEDA

ગુજરાત ઊર્જા વિકાસ એજન્સી
GUJARAT ENERGY DEVELOPMENT AGENCY
www.geda.gujarat.gov.in

Gujarat Energy Development Agency, Udyog Bhavan, Block No. 11-12, 4th Floor, Gandhinagar.
Contact: Ph. - 079-23256251-53, E-mail: director@geda.org.in; Website: www.geda.gujarat.gov.in



Suzlon Energy Ltd



Year of MoU/IIF Signed: 2015

Type of Project: Infrastructure

Product Name: Wind Turbine Generator (WTG)

Project Capacity: 770 MW installed

Project Location: Multiple locations in Gujarat (Major projects installed in Kutch & Saurashtra Region)

Date of Commencement: Jan-2015 to Dec-2018

Address of the Company:
 "SUZLON", 5, Shrimali Society,
 Nr. Shri Krishna Complex,
 Navrangpura, Ahmedabad 380009

Suzlon Group is one of the leading renewable energy solutions provider in the world with an international presence across 18 countries in Asia, Australia, Europe, Africa and the Americas. Headquartered at Suzlon "One Earth" in Pune, India; the Group is comprised Suzlon Energy Limited (NSE & BSE: SUZLON) and its subsidiaries. A vertically integrated organisation, with over two decades of operational track record, the group has a cumulative installation of over 18 GW of wind energy capacity, over 7,500 employees with diverse nationalities and world-class manufacturing facilities.

Suzlon is the only Indian wind energy company with a large in-house Research and Development (R&D) set-up in Germany, Netherlands, Denmark and India. Over 12 GW of the Group's installations are in India, accounting to ~35% of the country's wind installations, thus making Suzlon the largest player in this sector. The Group is the custodian of over 12 GW of wind assets under service in India making it the second largest Operations and Maintenance Company (over 8,000 turbines) in the Indian power sector. The Group also has around 4 GW of wind assets under service outside India.





Road & Rail



Dineshchandra R. Agrawal Infracon Pvt Ltd



Year of MoU/IIF Signed: VG-2011

Project Type: Road Infrastructure

Project Location (District & Taluka): Halol, District Panchmahal

Date of Commencement:
11/03/2014

Address of the Company: 401,
The Grand Mall, S.M. Road,
Ambawadi, Ahmedabad-380015,
Gujarat, India

Dineshchandra R. Agrawal Infracon Private Limited, which has been operating successfully over four decades, has spearheaded its way in the Infrastructure sector of India. The fundamental premise of the Company is built on integrity, commitment to quality and excellence, conviction towards customer satisfaction, due diligence for safety and timeliness of the deliverables.

From humble beginnings to earning a position as one of the top construction Companies of the Country, this remarkable feat wouldn't have been possible without a strong workforce of 4000+ professionals and state-of-the-art information technology.

This company is engaged for various road infrastructure projects in Gujarat. The project under consideration involves four-laning of existing road between industrial town Halol and Savli. The work includes strengthening of the carriageway, building of new structures, road safety calming measures, etc. The company has invested Rs. 62.34 crore of the proposed investment of Rs. 75 crore, offering direct and indirect employment to 25,000 persons. The key benefits of the project include development of an efficient transportation system, less fuel consumption, less vehicle wear and tear as well as significant reduction in road accidents.





L&T IDPL



Year of MoU/IIF Signed: VG-2011

Project Type: Infrastructure

Project Location: Taluka
Sutrapada, District Gir Somnath.

Date of Commencement:
29/03/2014

Address of the Company: L&T
Infrastructure Development
projects Limited, Second Floor,
9th Avenue, Final Plot No.301,
B/H . Rajpath Club, Bodakdev,
Daskroi, S.G. Highway Ahmedabad
– 380059

L&T Infrastructure Development Projects Limited (L&T IDPL) is a pioneer of the Public-Private-Partnership (PPP) model of development in India, which involves the development of infrastructure projects by private sector players in partnership with the Central and State Governments.

The company is a subsidiary of Larsen & Toubro, which is a major Indian multinational in technology, engineering, construction, manufacturing and financial services, with global operations.

Since its inception in 1995, L&T IDPL has completed landmark infrastructure projects across key sectors like roads, bridges, ports, airports, water supply, hydel energy and urban infrastructure. It is one of India's largest road developers as measured by lane kilometers under concession agreements signed with the Central and State Government authorities.

Two decades of extensive experience in working with governments, multi-lateral agencies, international and domestic financial institutions and corporate entities has helped L&T IDPL to develop proven competencies in viability assessment, financial closure, project management, operations & maintenance and portfolio management of infrastructure assets across various sectors.

The Modasa project, in which the company has invested Rs. 244.39 crore, offers direct and indirect employment to 1,25,000 people. The project provides four-lane road connectivity between Modasa Town and Nadiad Town, leading to an efficient transportation system, less fuel consumption, less vehicle wear and tear as well as reduction in road accidents.



National Highway Authority of India



Year of MoU/IIF Signed: VG-2011

Project Details: Bridge
Infrastructure

Project Location: Narmada river
at Bharuch

Date of Commencement:
30/06/2017

Address of the Company: G 5&6,
Sector-10, Dwarka, New Delhi -
110 075

Set up by an Act of Parliament, the NHAI Act, 1988, the National Highways Authority of India (NHAI) is an autonomous agency of the Government of India, responsible for management of a network of over 50,000 kms of National Highways. Being the nodal agency of the Ministry of Road Transport and Highways, NHAI is mandated to implement National Highways Development Project (NHDP), which is India's largest ever Highways Project in a phased manner.

The National Highways have a total length of an estimated 72,000 km to serve as the arterial network of the country. Although national highways constitute only about 2 percent of the road network, they carry 40 percent of the total road traffic.

The six-lane cable styled-bridge with approaches on Narmada River in Gujarat is the backbone for the commuters going from Ahmedabad to Mumbai on National Highway-48. The bottleneck at the Narmada River near Bharuch has been eliminated resulting into smooth traffic flow on the road. The advanced technology of cable-styled bridge, built with an investment of Rs. 400 crore, was adopted for first time in Gujarat. The Bharuch project has resulted into direct and indirect employment to 1,50,000 persons. The NHAI is also involved in a number of other landmark projects in Gujarat.





**Skill
Development**



Adani Skill Development Center



Year of MoU/IIF Signed: VG-2017

MoU No./ Project Id-MoU No:
223808

Sector: Skill Development Services

Date of Commencement:
01/06/2017

Address of the Company:
8 Floor, Shikhar, Nr. Mithakhali,
Navrangpura, Ahmedabad, Gujarat

Under project Saksham, an initiative of the Adani Skill Development Centre (ASDC), Adani Foundation conducts skill-based training programmes for the youth of India, thereby increasing their skill sets and employability.

ASDC operates 9 fully-owned centres across Gujarat, Maharashtra, Chhattisgarh, Rajasthan and Jharkhand as well as 16 centres in Madhya Pradesh, Kerala and Odisha in infra-partnership mode. ASDC is the first skill imparting institute in the country to offer courses like Simulator-based Crane Operation, 3D printing and Welding through Augmented Reality. Up till now, more than 3,800 candidates have been trained with a placement ratio of over 70%.

25 Saksham centres providing necessary skill-based training programmes 34 government courses as well as 11 ASDC customised and government approved courses offer a total annual capacity to skill 20,000 youth.





Narsee Monjee Education Trust



Year of MoU/IIF Signed: Vibrant Gujarat 2013

Project Details: Development of School

Project Location: GIFT City, District Gandhinagar

Capacity of the Project: Total built-up area ~0.12 mn Sq. ft.

Date of Commencement: 14/05/2015

Address of the Company: Block 40 A, Shram Marg, Zone IV, GIFT City, Dist. Gandhinagar

Narsee Monjee Education Trust with more than a four-and-a-half decades of providing holistic quality education in suburban Mumbai, has established itself in Gujarat as a name to reckon with in a brief span of three years through its new venture, Jamnabai Narsee School, GIFT City, Gandhinagar. It is the first school in India's first smart city, GIFT City, which serves as a hub for the global financial services industry.

The school, built with an investment of Rs. 50 crore, has received tremendous support and continuous co-operation from all departments of GIFT City and Government of Gujarat right from its inception. The sprawling campus is equipped with the best in terms of infrastructure.

The school imparts international standard education and takes pride in providing value-based education in a global learning ambience. The infrastructure include tech-integrated classrooms where the teacher plays the role of a facilitator; a fleet of well-equipped buses plying on different routes of Ahmedabad and Gandhinagar; a well-equipped healthcare unit with qualified staff; and multi-sport multi-purpose play courts in a sprawling campus, among others.





Government of Gujarat

SPORTS AUTHORITY OF GUJARAT

DEPARTMENT OF SPORTS, YOUTH AND CULTURAL ACTIVITIES



Narendra Modi
Hon'ble Prime Minister

Gujarat Glorified



Vijay Rupani
Hon'ble Chief Minister, Gujarat

MARCHING TOWARDS BECOMING THE SPORTS CAPITAL OF INDIA

Gujarat rated as best state for promoting sports.

1st ever sports policy announced. Every Taluka to have separate sports centre.

Gujarat improved its rank from **28th** to **9th** in national games 2015 with 10 gold medals.

More than **61.50 Lakh** men and women participated in Khel Mahakumbh in last two years.

Awards worth **40 crore** given to winners of Khel Mahakumbh.

SCHEMES OF SPORTS AUTHORITY OF GUJARAT

KHEL MAHAKUMBH

Khel mahakumbh is initiative of a mass competitive sports event to develop sporting, culture, awareness of health and talent identification in the state since 2010. Special khel Mahakumbh for Divyang players.

IN SCHOOL

Broad basing of sports and Introducing Sports Curriculum in 251 schools with 21 sports. More than 1,30,000 students are taking sports along with education.

DLSS (DISTRICT LEVEL SPORTS SCHOOL)

Sports with education-Tie up with Schools on PPP Module.

Currently 36 schools in the state and 4300 players are under training of 21 sports with Education with Residential Facility.

Government is spending Rs. 1.67 Lakh per player per annum.

COE (CENTRE OF EXCELLENCE-NON RESIDENTIAL AND RESIDENTIAL)

1400 Non-Residential Players are getting financial assistance in terms of cash incentives of Rs. 65000 per year.

550 Residential players are getting intensive training under guidance of expert coaches in 17 Academy of 12 Sports.

SPORTS INFRASTRUCTURE

14 Hostels to accommodate 2750 sports persons & 2 state of art sports complexes, 6 Multipurpose Hall, 2 Synthetic Track, 3 football ground, 2 archery ground, 6 tennis courts are constructed & 2 Hostels, 3 Swimming pool, 2 Multipurpose Hall, 1 Synthetic athletics Track, 1 Astroturf hockey Ground are under construction.

SHAKTIDOOT SCHEME

To provide need based support to talented Elite players of Gujarat to make them shine in global sports arena. Upto Rs. 25 Lakh financial assistance provided to olympic 2020/2024 targeted players per year.



SWARNIM GUJARAT SPORTS UNIVERSITY

(Established by Government of Gujarat Act No.22 and approved vide UGC Act no.2(f) 1956)

Govt. Commerce College Campus, Opp. Youth Hostel,
Nr. Mahatma Mandir, Sector-15, G-4, Gandhinagar. 382016.

e-Mail : info.sgsu@gmail.com | Phone : 079 23288603

<https://sgsu.gujarat.gov.in> | <https://admission.sgsuportal.in>

Research Programs

Ph.D. Doctor of Philosophy (Regular Mode)

Eligibility: Master Degree in Physical Education (M.P.Ed) or Master Degree in Sports Science (MPES)

M.Phil.+Ph.D. Doctor of Philosophy (Regular Mode)

Eligibility: Master Degree in Physical Education (M.P.Ed) or Master Degree in Sports Science (MPES)

Master Degree Programs

M.P.Ed. Master of Physical Education

Eligibility: B.P.Ed | Duration: 2 Years(4 Semesters) | As per NCTE Norms

M.P.E.S. Master of Physical Education and Sports

Eligibility: B.P.E.S/B.P.Ed | Duration: 2 Years(4 Semesters)

M.A. Master of Arts (Sports Journalism and Mass Media Technology)

Eligibility: Any Graduate

Duration: 2 Years (4 Semesters)

Bachelor Degree Programs

B.P.E.S. Bachelor of Physical Education & Sports

Eligibility: 12 Pass

Duration: 3 Years (6 Semesters) | As per UGC Norms

B.Sc. Bachelor of Science (Sports Nutrition)

Eligibility: 12 Pass & Sports Participation

Duration: 3 Years (6 Semesters) | As per UGC Norms

BBA Bachelor of Business Administration (Sports Management)

Eligibility: 12 Pass & Sports Participation

Duration: 3 Years (6 Semesters) | As per UGC Norms

B.P.Ed. Bachelor of Physical Education

Eligibility: Any Graduate & Sports Participation

Duration: 2 Years (4 Semesters) | As per NCTE Norms

B.Sc. Bachelor of Science (Sports Coaching)

Eligibility: 12 Pass & Sports Participation

Duration: 3 Years (6 Semesters) | As per UGC Norms

BBA Bachelor of Business Administration (Event Management with Sports Specialization)

Eligibility: 12 Pass & Sports Participation

Duration: 3 Years (6 Semesters) | As per UGC Norms

P.G. Diploma Courses

- Sports Management
- Sports Nutrition
- Sports Journalism and Mass Media Technology
- Adventure Sports Administration
- Fitness Management

Eligibility: Any Graduate | Duration: 1 Year

● Sports Coaching

(Specialization in any one Sport)

- (1) Athletics
- (2) Archery
- (3) Table Tennis
- (4) Tennis
- (5) Swimming
- (6) Badminton
- (7) Football
- (8) Basketball
- (9) Volleyball
- (10) Yoga
- (11) Kayaking & Canoeing
- (12) Westling
- (13) Cricket
- (14) Hockey
- (15) Kho-Kho
- (16) Kabaddi
- (17) Judo
- (18) Handball
- (19) Fencing
- (20) Boxing
- (21) Gymnastics

Eligibility: Any Graduate & at least 02 National and/or AUI Sports Participation

Duration : 1 Year

Certificate Courses

- Life Saver (Eligibility: Swim 300m in 12 minutes / 25m Underwater/90 Sec Face immersion)
- Life Guard (Eligibility: Swim 500m in 15 minutes / 30m Underwater/90 Sec Face immersion)
- Sports Nutrition (Eligibility: 12 Pass)
- Pool Operator (Eligibility: Pool related knowledge)
- First-Aid and AED Intro (Eligibility: Life Saver, Life Guard)

* Admission Form, Fee, Syllabus, Eligibility Criteria and Rules are available on the University website <https://sgsu.gujarat.gov.in> or can be obtained from the University Office during working days from 11:00 AM to 5.00 PM.

* Admission forms can also be filled online on the University website <https://sgsu.gujarat.gov.in> or <https://admission.sgsuportal.in> . To fill-up the admission forms kindly click on the Apply for Admission button on the website.

* Admission fees to be paid only by online payment through SBI e-collect or Demand Draft in favor of The Registrar, Swarnim Gujarat Sports University, payable at Gandhinagar



Shri Vijaybhai Rupani
Hon. Chief Minister,
Gujarat

“Role of GIDC in Gujarat’s and India’s economic growth is pivotal and decisive. Apart from facilitation National and International iconic manufacturing units, GIDC must be credited for its fast-track development of industrial estates and MSME Units. GIDC’s constant focus on providing world class infrastructure facilities comes for its visionary outlook for the future.”

GIDC Vision

“To make GIDC an effective, vibrant and timely provider of quality industrial infrastructure with easy, quick and transparent delivery mechanism at competitive pricing and without losing sight of its social responsibilities.”

Set up under the Gujarat Industrial Development Act. 1962 as a Statutory Board

Identifies and develops locations suited for Industrial purposes

GIDC offers developed industrial zone/estates , approved & well developed chemical estate, speedy land aggregation, clear land titles, cluster benefits, flexible payment options, waste disposal system & up-gradation of industrial estates

Nodal agency of the Government of Gujarat for providing Industrial backbone of the state

GIDC has an inventory of 202 Estates comprising of over 63,000 Units across the State



Core Infrastructure

- ✓ Developed Industrial Plots
- ✓ Water Supply
- ✓ Power Supply
- ✓ Corridor for amenities- gas, telecom, pipeline etc.
- ✓ Effluent collection conveyance, treatment & disposal

Support Infrastructure

- ✓ Skill Up-gradation Centers
- ✓ Environmental Conservation Initiatives-green space, parks, etc.
- ✓ Space for public amenities-banks, hospitals, school, police station, etc.
- ✓ Housing Plots
- ✓ Commercial spaces

Participative Policy for development of New Industrial Estate

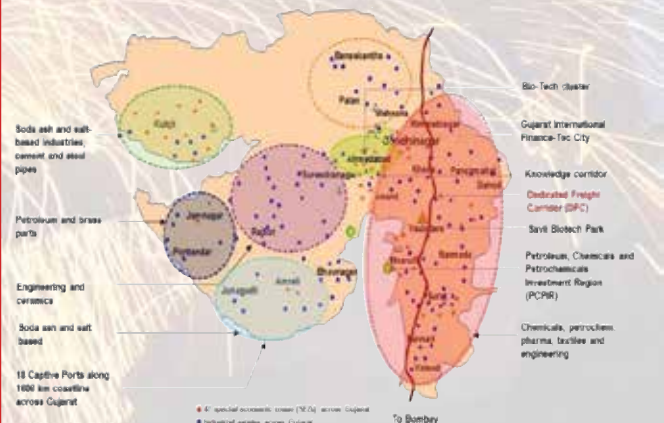
Development of **MSME Industrial Park**

Development of **Women Industrial Park**

Development of **Multi-Storeyed Sheds**

Training & Skill up-gradation programs

202 GIDC Estates across Gujarat



GIDC's Inclusive Development

Skill Development

Education

Health Care

Women & Child Development

Gujarat Industrial Development Corporation (GIDC)
(A Government of Gujarat Undertaking)

2nd Floor, Block No.4
Udyog Bhavan, Sector 11
Gandhinagar 382 017
Gujarat, India
Phone: +91 79 23250636/37
Fax: +91 79 23250705
gidc@gidcgujarat.org
www.gidc.gov.in





Urban Development & Industrial Infrastructure

ORIGINS
by **Mahindra** WORLD CITY
Where Business Comes To Life

Mahindra Industrial Park Private Limited



Year of MoU/IIF Signed: 12th January 2017

Project Details: Infrastructure development of Industrial Park

Project Location: Taluka Limbdi, District Surendranagar

Capacity of the Project: 339 Acres (264 Acres + 75 Acres)

Date of Commencement: August 2016

Address of the Company:
Mahindra Industrial Park Private Limited, Office no 1132, 1115, 1101 – 1106; Regus Grandeur Offices Pvt. Ltd, Earth Arise, SG Highway, Ahmedabad, Gujarat – 380015

Mahindra Industrial Park Private Limited (MIPPL - Formerly known as Industrial Cluster Pvt Ltd), formerly known as Industrial Cluster Pvt Ltd, is a subsidiary of Mahindra Lifespace Developers Ltd., the real estate and infrastructure development business of the \$20.7 billion Mahindra Group, and a pioneer of sustainable urbanisation in India. The company is engaged in the business of development, marketing, sales and management of industrial parks in India through its subsidiaries Mahindra World City Developers Ltd. and Mahindra World City (Jaipur) Ltd.

The Limbdi project in Gujarat is under implementation stage. With projected investment from the developer of approximately Rs. 300 crore and projected investment from industries of approximately Rs. 3,000 crore, it is expected to generate over 12,000 direct and indirect jobs. The core product offerings include developed land parcels, plug & play best in class infrastructure, built-up space for companies (based on the category of Industry - IT, Logistics, etc.), wide road network with street lighting, power supply, onsite power station by the PGVCL, potable water supply, waste management networks, landscaping of common areas, optical fiber cable network for voice/data from third party service providers and several other smart elements.

The key benefits of the project include attracting investments for accelerating the industrial development of Gujarat and generating local employment and other spin off benefits to the Gujarat economy. The industrial zone is likely to attract reputed Indian and global manufacturers including companies from the Small and Medium Enterprises (SME) segment.



Savinay Developers, Bhavnagar



Year of MoU/IIF Signed: 2017

Project Details: Residential Apartment Development

Date of Commencement:
27/2/2018

Ongoing Projects

Swara Divine

Luxury Residential 4 & 3 BHK

Site Address: Satyanarayan Road, Bhavnagar

Swara Shyamal

2 & 3 BHK

Site Address: Shashi Prabhu chowk to K R Doshi Road, Near Nandalay Haveli, Bhavnagar

Address of the Company: 504, Swara Parklane, Plot no. 1905, opposite Joggers Park, Atabhai Road, Bhavnagar, Gujarat
savinay.developers@gmail.com

Savinay Developers was incorporated in January 2010 as a partnership firm with two dynamic young entrepreneurs, Sachin Pathak and Vijay Jethva, at the helm. The company started construction of residential apartments by the name of Savinay Residency having more than 32,600 sq. ft. area, in Bhavnagar, in 2010. Later, the company went on to develop 6 residential buildings and two commercial buildings with around 4,00,000 sq. ft. area.

With projects like Swarankan, Swara Garden Residency, Swaraaj Arcade, Swara Panchshil, Swara Blossom, Swara Parklane, Swara Shyamal and Swara Divine under its belt, Savinay Developers has fast grown into a company renowned for its quality and consistency in residential projects in Bhavnagar. In 2017, the company won the recognition of being the best emerging developer of the year in the 'Rest of Gujarat' category during the Prop Reality Real Estate Awards organised by CRISIL, Prop Reality, 99 Acres and ReFuture.

Savinay Developers' venture "Swara Blossom" at Bhavnagar was the first luxurious residential project in Bhavnagar with amenities like club house, jogging track, Children's Park, gym and games room and car parking automated lift upto first floor. Now, similar projects are in pipeline in the heart of Bhavnagar. It was also the first project in Bhavnagar to provide car parking lift at upper floors.

The company has acquired a prime ranking amongst the top three construction companies in Bhavnagar. Today, Savinay Developers is one of the most respected and renowned business entities which has helped more than 250 families realise their dream of owning quality homes. The company has constantly brought new technology and products in each and every new project and lived up to the expectations evoked by the company's motto of "We imagine We Create!!"



Smart ICT Services Pvt Ltd

(GIFT Consortium for ICT services)



Year of MoU/IIF Signed: Vibrant Gujarat 2011

Project Details: Development of Tier IV Data Centre

Capacity of the Project: Total Built-Up-Area ~0.07 mn Sq ft

Date of Commencement: 28/05/2015

Address of the Company:
Building no. 48, Gyan Marg, Gift City, Gandhinagar, Ahmedabad, Gujarat-382355

The smart ICT Services Private Limited, a joint venture of a consortium including Newgen Holdings Private Limited, Tata Communications Limited, Centios Co. Ltd. and Newgen ITES Private Limited, has been awarded the concession for establishment, management and operation of information and communication technology infrastructure, services and platforms within Gujarat International Finance Tec-City Smart ICT plans to implement a state-of-the-art ICT infrastructure in the City of GIFT to provide wide range of products and services to all occupants of the GIFT city including enterprise customer, residential occupants, service providers.

The GIFT City is India's first Operational Smart City which provides world class infrastructure, required for Tier IV data centre development. Built at an investment of Rs. 160 crore, the world-class data centre provides best in class services with 900 racks capacity. This data centre has highest level of certification (Tier IV) in the world and the only Tier IV data centre in Gujarat. The data centre has received good response from the institutions in GIFT City as it provides best-in-class services.





Toyota Forms India Private Limited



Year of MoU/IIF signed: 2013

Type of Project: Manufacturing of Moulds and equipment for Precast Concrete Product

Product Name: Caustic Soda & Phosphoric Acid

Project Location: Taluka Bavla, District Ahmedabad

Date of Commencement: 25th January 2016

Address of the Company: Sub Plot No. 21, Ozone Industrial Park, Near Kerala GIDC, Ahmedabad Bagodara Highway, Bhayla, Bavla, Ahmedabad, Gujarat-382220

Since being founded in 1966, Toyota Forms India Private Limited, has been manufacturing moulds for precast concrete products and the related manufacturing equipment. The company has grown steadily, accumulating technology and building up reliability among the customers. Toyota Forms India Private Limited, the wholly owned subsidiary of Toyota Kohki Co. Ltd., was incorporated in April 2013 and commenced manufacturing in January 2016.

The Bavla plant of the company, which spreads across 10 acres, has been built with an investment of Rs. 42 crore. The manufacturing facility is a greenfield project and operates without the use of power and fuel, thus helping in conservation of energy and promote sustainable development. More than 3,500 trees have been planted around the factory as part of its afforestation efforts.

The moulds of the company have been used in several prestigious projects including India's first smart city Dholera SIR, the world's largest cricket stadium in Motera, Ahmedabad, and by Daman Municipal. The moulds produced at the company's Bavla plant are exported to countries like China, Indonesia, Norway, Hungary, the USA, Poland and New Zealand.

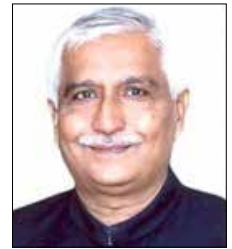




AHMEDABAD URBAN DEVELOPMENT AUTHORITY



Shri Vijay Nehra, IAS
Chairman
AUDA, Ahmedabad



Shri A.B. Gor, IAS
CEA
AUDA, Ahmedabad

Realising Vision: AUDA's mission is to transform Ahmedabad into a city where all the citizens have access to basic services and all development takes place in a planned manner, supporting rapid, self-financed and sustainable overall growth.

Gujarat is one of the most developed states of India. The State is endowed with vast reserves of mineral and characterised by high industrialisation. It features high rate of GDP growth and contributes almost 20% to India's overall industrial output. Power, construction and trade contribute a major share to the prosperity of the State. Gujarat stands 5th in the contribution towards the total GDP of the nation.

Gujarat, with its mission to make itself a vibrant place to live and work, has been implementing several structural reforms in the recent past. With its growing industrialisation, presently, the State is all set to achieve an exponential growth curve. To facilitate such economic growth, increasing needs of the people for better quality of life and to cater the burgeoning trade through the hinterland, the State has also drawn an infrastructure roadmap and intends to develop a world class infrastructure to sustain the rapid pace of economic growth. Gujarat has experienced a rapid rate of urbanisation in last four decades.

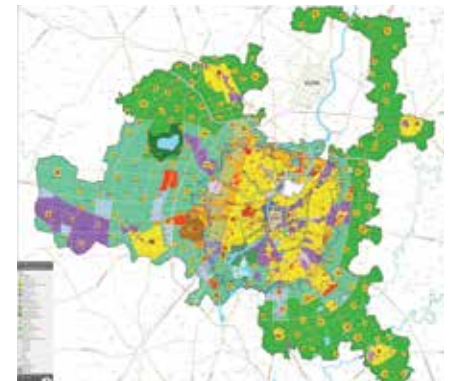
Ahmedabad, since its foundation has been a critical political and economic centre of Gujarat and western India. During 16th century to 18th century Ahmedabad was the major hub of trade and commerce. Under the British rule, it became home to numerous textile mills, being known as "Manchester of the East". Today, it is a major industrial and

trade hub in the State.

Ahmedabad is strategically located in the centre of Gujarat, in the Sabarmati basin. Ahmedabad is spread on both banks of Sabarmati River which cuts through the city. It forms a vital transport and trade link to the vast areas in the north and east. The city is well connected not only to major towns within the State but also to neighbouring states through strong transportation linkages all by rail, road and air.

The notified Ahmedabad Urban Development Area is carved out of the four districts and nine talukas which include Ahmedabad City, Sanand and Daskroi Talukas from Ahmedabad District, Dehgam, Gandhinagar and Kalol Talukas from Gandhinagar District, Kheda and Mehmedabad talukas from Kheda District and Kadi Taluka from Mehsana District. AUDA is surrounded by the Sanand, Viramgam Special Investment Region (SIR) on the western periphery and the Changodar SIR on the south western periphery and GUDA to the north. The Dedicated Freight Corridor (DFC) passes through AUDA on the western side of the city of Ahmedabad.

AUDA was constituted on 1 Feb., 1978 under the Gujarat Town Planning and Urban Development Act (GTPUD Act) - 1976. The area under jurisdiction of AUDA is 1,866 sq km. The first expansion was done in the year 2008 that included the village of Bopal on the western side with an area of 5 sq km. and the second expansion was done in the year 2009 that included 69 villages on the western side covering an area of 566 sq km. Going forward, if Ahmedabad is to grow as a livable and sustainable place



with affordable costs, short commutes, low travel times and sufficient amenities, it must plan ahead and organise its land resources carefully.

AUDA is a premier planning institution with total area of 1866 sq km. AUDA comprises of: (i) Ahmedabad Municipal Corporation (449.22 sq.km), (ii) Five Growth Centers, and (iii) 169 villages. AUDA was established in the year 1978, under the Gujarat Town Planning & Urban Development Act 1976.

VISION: "Ahmedabad that is a livable, environmentally sustainable and efficient city for all its citizens; a city with robust social and physical infrastructure and a distinct identity; a globally preferred investment destination." AUDA is entrusted the task of preparing decadal development plan of Ahmedabad city and surrounding region. The last development plan prepared by AUDA for Ahmedabad city which was approved by the State Government in December 2014 has innovative planning initiatives which are becoming good planning practices for Indian cities.

Development Plan of Ahmedabad



facilitates population growth of about 87 lakhs in year 2021 and 108 lakhs in year 2031. This is based on 2011 census population of Ahmedabad area which is 63 lakhs.

Principles for Development Planning and Growth Management:

- 1) Encourage compact city form.
- 2) Enhance accessibility, connectivity and mobility options for all citizens.
- 3) Integrate planning and implementation of transportation and land use.
- 4) Consolidate and connect the green network.
- 5) Promote sustainable and environment-friendly development.
- 6) Incentivise inclusive and affordable urban development.
- 7) Support diverse economic activity.
- 8) Provide efficient physical and social infrastructure.
- 9) Celebrate the social and cultural heritage.
- 10) Facilitate vibrant, lively, and safe urban environment.

Major Planning Proposals:

- Transit Oriented Zone (TOZ),
- Central Business District (CBD),
- Residential Affordable Housing (R-AH)

Transit Oriented Zone (TOZ) :

In order to achieve the goal of compact city development and to reduce usage of private vehicles, AUDA has introduced Transit Oriented Zone (TOZ) with intention to integrate land use with public transport. TOZ offers 4

FSI on 200mt buffer on either side of BRT and MRT network as specified in Development Plan.

Ahmedabad city has about 2,500 kms of well-connected road network. To ease the mobility, AUDA has introduced Transit Oriented Zone (TOZ) covering a total length of 120 km along BRT and 35 kms along MRT

Features of Transit Oriented Zone:

- High density corridor along public transport
- Public spaces around station area
- Well-planned parking

- Multi-modal integration and connectivity
- Generation of new public projects
- Well-connected and pedestrian friendly streets
- Shaded sidewalks and public space
- Regulated streetscapes and well - designed intersections
- Adequate infrastructure provision
- Specially prepared Development Control Regulation

Central Business District (CBD)

AUDA has defined Central Business District ensuring easy mobility and high density development. CBD would see the high density development with 5.4 FSI and building height up to 100 metres. This is to be built on both the sides of now rapidly developing Sabarmati river front.

CBD focuses the western side, covering a whopping 125 hectares of area including the centrally located business hub of the city- Ashram road with the connectivity of north and south metro network and 3 metro stations. The eastern CBD covers 52 Hectares of area with a smooth connectivity to BRTS route.



Features of Central Business District:

- A place for living and working, leisure and culture
- Well planned Streets
- Central location with lots of floor space
- A place for everyone
- A memorable skyline for Ahmedabad
- Pedestrian-friendly and safe
- Well connected with all of Ahmedabad
- Shade footpath and open spaces
- Adequate parking and infrastructure
- Self-financing

Details of Town Planning schemes of AUDA

- After declaration of Development Plan-2021 of AUDA in the year 2013 total 47 TPS Prepared by AUDA,
- Out of 47 TPS,
- 12 TPS of Residential Zone -1 (R-1) covering 1728.65 Ha
- 1 TPS of Residential Zone -2 (R-2) covering 60.73 Ha
- 1 TPS of Residential Zone -3 (R-3) covering 585.53Ha
- 17 TPS of Residential affordable housing Zone-(RAH) covering 2282.86 Ha. Area
- 4 TPS of Industrial Zone-(IG) covering 671.27 Ha. Area
- 01 TPS of Knowledge Zone (KZ) covering 370.85 Ha. Area

- 06 TPS of Logistic Zone-L covering 1420.92 Ha. Area
- 05 TPS of Gamtal Extension (GME) 375.36 Ha. all are at different stages.
- 4 Town Planning schemes are Final sanctioned from Govt. of Gujarat.
- 5 Town Planning schemes are Preliminary sanctioned from Govt. of Gujarat.
- 29 Town Planning schemes are Draft sanctioned

Residential Affordable Housing

**Vision: Housing for All
Incentives and guidelines for RAH zone for owner & developers**

- RAH is an overlay zone which permits predominantly residential development for proving affordable housing along with ancillary commercial uses. Entire RAH zone will be connected with proposed public transportation system like BRTS and MRTS.
- Residential Affordable Housing zone has been identified within the 1 km wide stretch on the outer side of SP Ring.
- Land covering around 80.27 sq.km of area along with the areas like Ghuma and Shela.
- The well integrated scheme will target saturated gross high density

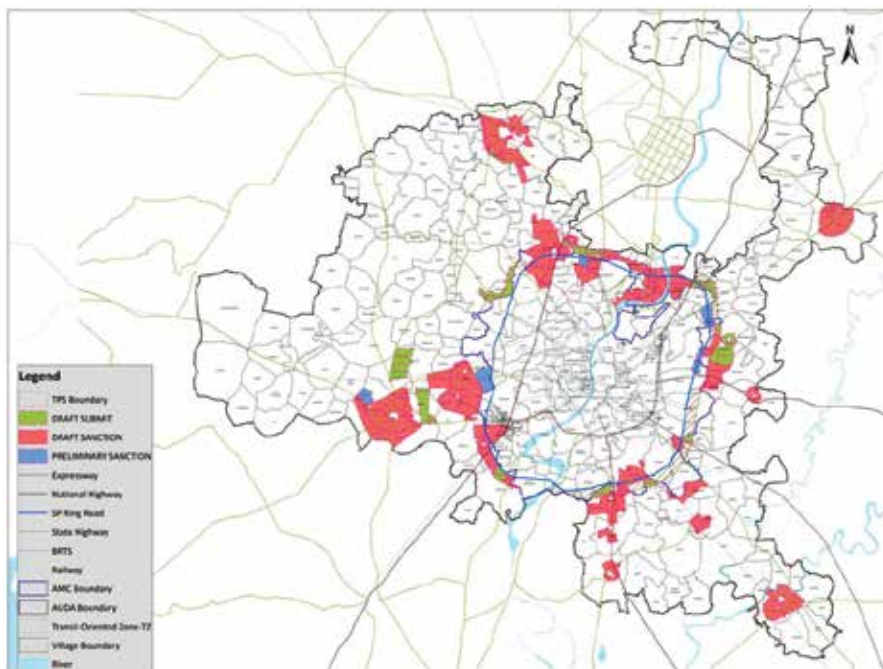
- of 500 Person Per Hectare for an anticipated population of 38 lakhs in the year 2045.
- 36.0 metres wide semi ring road is proposed within RAH zone to avoid traffic congestion on SP Ring Road.
- RAH zone density shall be in the range of minimum 225 to maximum 600 dwelling units per hectare.

Additional Chargeable FSI at reduced rate

Project under RAH zone is given minimum 1.8 FSI without any additional cost. Maximum FSI of 2.7 is permissible with purchase on following basis:

- Up to 50 sqm : 10% of Jantri rate
- More than 50 and up to 66 sqm: 20% of Jantri rate
- More than 66 and up to 80 sqm: 40% of Jantri rate
- Commercial Built-up Area: 40% of Jantri rate
- For Dwelling Units built-up area up to 66 mt, area covered in passages and internal corridors shall not be considered towards computation of total FSI.
- Parking norms are revised considering affordable housing category and proposed public transportation systems.
- The owners shall have an option to carry out development in under State Government affordable housing policy also.
- For residential development only Apartment type of development is permitted in RAH zone in order to achieve efficient use of land.

AUDA's city planning process is categorised by macro-level planning of development plan as well as micro-level planning of Town Planning Schemes . The entire Residential Affordable Housing zone is being planned by preparing more then 40 Town Planning Schemes. The Town Planning Schemes facilitates public roads with width ranging from 12.0 mts to 45 mts. The planned road network is almost 10 kms of length for every 1 sq km of land area. This futuristic approach of planning of roads under T.P Schemes in green field development, facilitates greatly for execution of underground infrastructure like sewerage ll have





long term comprehensive sewerage system considering saturated density of 500 persons per hectare. Main trunk lines will run on S.P. Ring Road system, water supply system, storm water line as well as electrical cable network and other communication network. The road width and street designs are prepared keeping future public transport system as well as walkability requirement under consideration.

Entire R-AH zone within intermediate pumping stations on southern end of Sabarmati river and having Sewerage Treatment Plant, at Bakrol for western side as well as at Kamod for eastern side. Out of this total project, the sewerage network in areas of Bopal, Ghuma, Shela, Khoraj, Khodiyar, Sughad, Amiyapur, Koteswar and Bhat on western side is completed and operational. Also on Eastern periphery the area of Kathawada and Singarva are covered with sewerage network. At present, these areas are connected to existing AMC main trunk lines on western and eastern side. Subsequently, this will become part of R-AH comprehensive sewerage project.

Similarly, R-AH Zone will be having surface based water supply facilities connecting to water works near Narmada main canal on northern side. The main trunk line for water supply will run on S.P. Ring Road with water distribution centers in T.P. Scheme areas. All land requirements for physical and social infrastructure are taken care while planning T.P. Scheme. AUDA has finalized surface based water supply project in areas of Bopal, Ghuma, Shela and Manipur-Godhavi covering 10 T. P. Schemes.

As regard storm water disposal, the entire areas of RAH zone is planned for development of lake based storm water system. In this process, the existing lakes will be developed and interconnected with water recharging percolating system. On this concept, AUDA has already developed lakes of Bopal, Ghuma, Aslali, Khoraj and Singarva areas.

Solar Energy conservation approach in AUDA housing projects:

AUDA has taken a lead role in providing social and economically weaker section housing in Ahmedabad periphery area. AUDA has been proactive in new and adoptable practices in this field which can offer long lasting, structurally safe sustainable and livable affordable housing projects. The prime objective of this type project is to ensure that EWS category of families live urban life with similar building facilities as other category of families. There has been consistent problem of common area maintenance in EWS housing projects, especially electricity billing of common lighting of such housing project. In order to reduce load of common light billing, AUDA has initiated roof top solar energy conservation project in line with GEDA policy.

As per GEDA, they will provide 50% of sanctioned load of UGVCL for power plant, if common meter have 20 KW of sanctioned load then GEDA will give permission 10 KW means 50 percent. So, in advance, we have to plan such installations also we have managed min. 150 sq. ft. space for 1 KW solar power panel for similar type of energy conservation and other environmental safe guard activities needs advance

planning needs to reserve the particular space. In terrace 90 percent of space are unused, so solar power plant are easy to be installed. This will be a project using non-conventional and eco-friendly energy which will help to earn Carbon Credit in future.

Sustainability of Grey Water Treatment Plant:

Our earth is surrounded by 70% of water. Out of which only 2.5% is fresh water. 70% of this fresh water is frozen in Antarctica and Greenland. Therefore, only 1% of water is available for our usage. We use water in our daily life for almost everything such as cooking, washing, bathing, toilet, etc.. If we recycle water for these purposes, demand for fresh water can be reduced. Therefore, it is important to treat sewage and reuse this treated effluent for washing, floor cleaning etc.





Kathwada EWS - 588 units Built-up area: 16.20 sq m/unit Carpet area: 27.00 sq m/unit
Kathwada EWS - 1128 units Estimate cost: 83.66 crores
Khoraj lake & Garden Estimated cost: 291.35 lacs Garden area: 57725.76 sq mts
Zundal Circle

Gray Water Treatment Plant:

Confidence built up in community, changes in behavioural attitude and responsibilities Attached Growth, Process is suggested in plant design which is generally termed as Moving Bed Bio Reactor (MBBR). The sewage from pre sedimentation tank shall flows into Reactor for the bio-degradation of complex organic compound into simple form of organic compound with the help of bacteria. Aerobic bacteria remove COD/BOD quite substantially. The sewage mixed with biomass will be over flown into outlet launder of MBBR Tank which will pass into secondary tube settler. The active biomass will be settled in secondary settling tank which will be pumped back into MBBR tank or some parts of biomass will be discarded into Sludge Drying Beds. The supernatant from secondary settling tank shall further taken to holding tank prior to feed in to PSF. Effluent from holding tank will be pumped through the Pressure Sand Filter followed by Activated Carbon Filter in order to give polishing treatment and colour / odour removal. The treated effluent from the outlet of the ACF shall be collected in the treated water tank after passing through UF followed UV System. NaOCl solution shall add online at outlet of ACF to make treated sewage disinfected. From here, the treated water discharged into environment as per authorisation or reused /recycled as per industry requirement after passing

through UF and UV system.

Lesson Learnt from Solar Roof Top and Water Treatment Plant

AUDA has taken a lead role in providing social and economically weaker section housing in Ahmedabad periphery area. AUDA has been proactive in new and adaptable practices in this field which can offer long lasting, structurally safe sustainable and livable affordable housing projects. The prime objective of this type of project is to ensure that EWS category of families live urban life with similar building facilities as other category of families. There has been consistent problem of common area maintenance in EWS housing projects, especially electricity billing of common lighting of such housing project. In order to reduce load of common billing, AUDA has initiated rooftop solar energy conservation project in line with GEDA policy. Since installation of the treatment plant is an important decision in conversing the water usage, it is important to consider the sustenance of the installation. In this regard, the operations and maintenance will form an important activity in order to derive full use of this installation.

Bridge Project on Sardar Patel Ring Road

- AUDA has constructed river bridges, overbridges, underpass and flyover bridges on 76 km along the Ring Road

that are as below:

- 2 bridges on river sabarmati (Bhat and Kamod)
- 2 railway overbridges (Vatva and Shilaj)
- 1 railway underpass (Tragad)
- Shantipura and Dehgam Naroda junction on ring road. Flyovers are proposed, Bopal flyover is operational.
- Bopal flyover is around 1.4 km long, It is the longest flyover in Ahmedabad region.
- Sanathal and Ranasan flyover are under progress.

LED Street lights Project on Sardar Patel Ring Road

- AUDA Planned to installed street light on 76 km along the ring road, out of this work done in 44 km length.
- Total cost of project is 14.86 Crore
- It helps in smooth transportation.
- It reduces accidents and antisocial activities
- It increases safety and security

Lake and Garden Developed by AUDA in AUDA Area.

- Four lake and gardens planned by AUDA in different parts of the area mainly; Zundal Gam - Lake and Garden, Garden in Panchvati Area, Kalol, Jetalpur - Lake and Garden, Bopal Garden in which work is in progress.
- Six lake and gardens developed by AUDA in Khoraj TP- 63, Ghuma TP-2, Singarwa TP-118, Mehmedabad - Khatraj TP-1 (Fata lake), Kathwada TP-110, Bopal TP-2





Planning Water Supply and Sewerage Infrastructure for Residential Affordable Housing Zone (R-AH) Implementation Plan for Water Supply for RAH zone (West Side)

- Ahmedabad Municipal Corporation is in the process of laying 1600 mm/1400 mm/1200 mm/1000 mm dia Treated water line from Jaspur headwork to Shantipura Circle along the ring road to supply water to the newly developing areas on either side of the ring road.
- AMC has agreed to provide 60 Mld Treated Water to AUDA for areas of RAH.
- For future demands the Raw/Treated Water will be obtained from common carrier pipeline proposed by GWSSB with connections at Jaspur and Shela.
- New Water Treatment Plants proposed at Shela and Existing Jaspur WTP will be upgraded.
- AUDA will construct and provide the Water Supply schemes on 24x7 supply principle with metered connections in the TP schemes or RAH as well as

Bopal, Ghuma and Shela

Implementation Plan for Water Supply for RAH Zone (East Side)

- Ahmedabad Municipal Corporation is laying 2100 mm / 1800 mm / 1600 mm / 1200 mm / 800 mm dia Treated water line from Kotarpur headworks to Express Highway along the ring road to supply water to the newly developing areas on either side of the ring road.
- AUDA will seek 60 MLD Water from the line in the first phase for new developing areas of RAH zone.
- For future demands the Raw/Treated Water will be obtained from proposed New Water Treatment Plant at Enasan.
- AUDA will construct and provide the Water Supply schemes on 24x7 supply principle with metered connections in the TP schemes or RAH on East Side.

Implementation Plan for Sewerage Network for RAH zone (West Side)

- Sewerage Network is proposed for all TP schemes

- A trunk line along this route with Intermediate pumping stations are proposed as required , at present main trunk line of AMC will be used for RAH zone.
- A 36 m wide TP road is proposed passing through all TP schemes of the RAH Zone.
- The sewage will be conveyed to Existing Sewerage Treatment Plant.

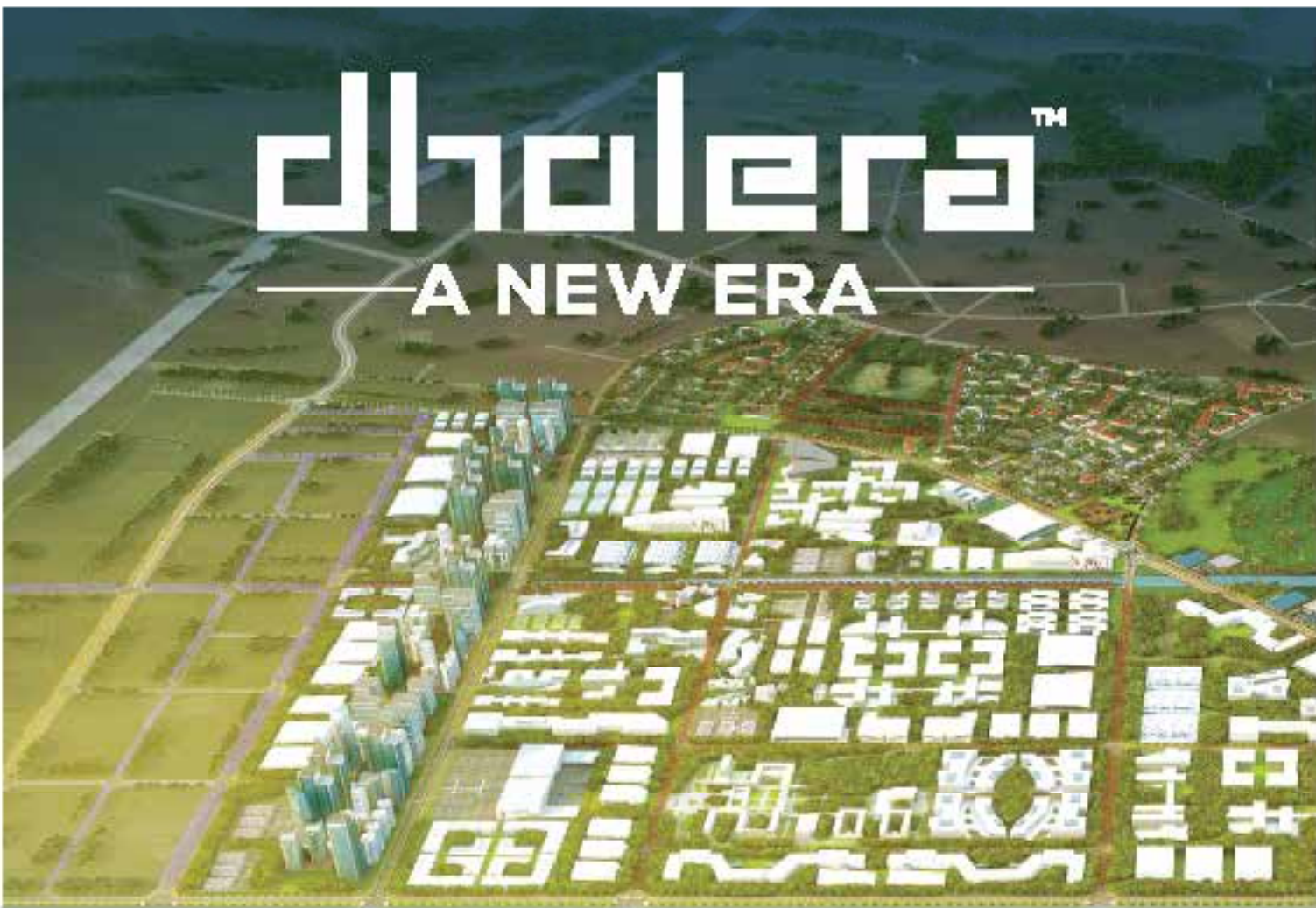
Implementation Plan for Sewerage Network for RAH zone (East Side)

- Sewerage Network is proposed for all TP schemes with necessary Pumping Stations.
- A 36 m wide TP road is proposed passing through all TP schemes of the RAH Zone. It is proposed to lay a trunk line along this route. Intermediate pumping stations are proposed as required.
- The sewage will be conveyed to proposed Sewerage Treatment Plant at Vinzol for Zone 8 to 11 and at Kamod/Lambha for Zone 12 and 13.



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GUJARAT HOUSING BOARD ENSURING HOUSING FOR ALL

Gujarat Housing Board (GHB) has been at the forefront when it comes to providing liveable homes at affordable prices in the State. Driven by the vision of Honourable Prime Minister Shri Narendra Modi, GHB is well on its way to fulfil the promise of 'Housing for All' by 2022.



“In 2003, the housing sector saw a downturn but thanks to the then Chief Minister of Gujarat and present Prime Minister, Shri Narendra Modi, who sparked confidence in us and we kept working hard on new housing projects.”

The Gujarat Housing Board came into existence on 1st May 1960 as a result of bifurcation of Bombay state and Bombay Housing Board and inclusion of Saurashtra Housing Board and as per the Gujarat Housing Board Act, 1961.

The GHB was developed for the purpose of improving living standards of a common man at an affordable price keeping in view their economic condition. The houses were allotted on hire purchase basis at a moderate price payable in monthly installments for 13 years. Persons eligible for the reservation quota were given another advantage of 20 years of re-payment period.

A total of 1,76,830 houses were constructed either on government land or plots provided by Gujarat Housing Board and were allotted to the people.

In 2003, the housing sector saw a downturn but thanks to the then Chief Minister of Gujarat and present Prime Minister, Shri Narendra Modi, who sparked confidence in us and we kept working hard on new housing projects.

Under 'Mukhya Mantri Gruh Yojna' and 'Pradhan Mantri Awas Yojana' various banks and financial organisations agreed to provide loans

to the beneficiaries with favourable repayment terms, which helped them to deal with the financial strains.

Keeping up with current trends, GHB is developing multi-storied houses with many amenities like RCC roads, water supply, paver block, vitrified tiles flooring, granite kitchen and modern elevators which are certified to withstand earthquake. GHB also gives the assurance of the structural defect liability of 10 years.

To make the procedure transparent, computerised draws are now conducted by NIC in the presence of the concerned applicants.

Depending on the availability of land and feasibility, shops are also constructed along with housing projects to facilitate the residents for their day-to-day needs. GHB is also committed and dedicatedly working to achieve the target of 'Housing for All' by 2022, which has been set forth by the honourable Prime Minister.

It is an honour to be a part of Pradhan Mantri Awas Yojna (Urban), under which plans are afoot to complete the housing target before 2020, a move aimed at ensuring 'Housing for All by 2022'.



MMGY- MUKHYA MANTRI GRUH YOJNA

Under 'Mukhya Mantri Gruh Yojna', 21,589 houses were built in three phases out of which 18,299 have already been allotted to beneficiaries and 3,290 are under progress.

Under MMGY, almost 31 cities of Gujarat were covered. Around 1,032 shops, 1,624 EWS, 1,300 LIG, 2,604 LIG-I, 8,183 LIG-II, 832 MIG, 5,311 MIG-I, 1,281 MIG-II and 454 HIG were constructed in 31 cities of Gujarat and many more are yet to come.

PMAY- PRADHAN MANTRI AWAS YOJNA

Under 'Pradhan Mantri Awas Yojna', construction of 6,546 houses is under progress and around 28,640 houses are planned to be constructed. Under PMAY almost 20 cities of Gujarat were covered.

DETAILS OF DU'S CONSTRUCTED

	CITIES COVERED	EWS	EWS-I	EWS-II	LIG	LIG-I	LIG-II	MIG	MIG-I	MIG-II	HIG	TOTAL
MMGY	31	1624	-	-	1300	2604	8183	832	5311	1281	454	21589
PMAY (In Progress)	20	-	2112	3234	992	-	-	-	208	-	-	6546

REDEVELOPMENT

Around 55 colonies are going to be redeveloped i.e 15,208 houses out of which 22 colonies are interested, or we can say that they are willing to be part of redevelopment plan. Till date GHB has floated many tenders for redevelopment.



Ekta Apartment: Before



Ekta Apartment: After

GUDA: SETTING THE AGENDA FOR SUSTAINABLE & INCLUSIVE DEVELOPMENT

Established under the Gujarat Town Planning and Urban Development Act, 1976, **Gandhinagar Urban Development Authority (GUDA)** is transforming Gujarat's capital city in a planned and sustainable manner, setting the development agenda for other cities in India.

Today, when development agenda across the world's cities is increasingly environmentally sensitive, Gandhinagar city is at a vantage point where it already has healthy portions of green and open spaces-which are imperative and go a long way in maintaining the ambient environment of any city.

Gandhinagar Urban Development Authority is a statutory planning and development body with its main obligation, amongst others, to undertake preparation of a Development Plan and regulate development in its area according to it. Its prime objective is to carry out sustainable and planned development.



The GUDA area consists of two administrative units: The Gandhinagar Municipal Corporation (GMC) and the surrounding Gandhinagar Urban Development Authority consisting of 39 villages of Gandhinagar Taluka. The entire area covers around 388 sq km (having a total population of 4,26,586 people) of which 57 sq km comes under the GMC (having a population of 2,02,776).

Development Plan

The purpose of preparing the

Development Plan is to address the growing development pressure that can result into undesirable land uses and eventually lead to proliferation of slums, pollution, lack of infrastructure facilities and insufficient housing.

The Development Plan is a basic framework for addressing the need for development in the area. It contains both, physical aspects as well as policies for growth. It facilitates various proposals and policies by earmarking uses and regulations, and helps in eventually translating proposals into reality.

The Development Plan of GUDA can be seen as having two distinct parts:

- Town Planning Scheme areas, and
- Villages (Rural areas excluding the T.P. Schemes)

Since the beginning of the year 2005, due to the implementation of Town Planning Schemes, the development in the GUDA area has picked up rather rapidly with major development emerging along the highway connecting Ahmedabad to Gandhinagar. There are a total number of 23 Town Planning Schemes in GUDA area.

Excluding the GMC area, GUDA area comprises of 39 villages.

Road Network and Transportation

The proposed road network for the region followed the pattern that it had within the city, i.e. grid sizes (0.75km x 1.0km). In this network, the vertical roads were 30m in width while the transverse roads were 24m in width. Hierarchy in the road network was maintained. At the same time, continuity with existing roads



was maintained. Complicated junctions and multi-arm junctions were avoided.

Affordable Housing

GUDA has planned and commissioned Housing for Low Income Group (LIG), Middle Income Group (MIG) and Economically Weaker Section (EWS) Families within various T. P. Schemes under Mukhya Mantri Awas Yojana and Pradhan Mantri Awas Yojana to benefit the economically and socially weaker sections of the society. Grants for the same are received from State and Central Government respectively.



Water Supply

GUDA aims to supply clean water from SSNL to every individual household.



GUDA had planned to extract water from SSNL and treat the water at Bhajipura Water Treatment Plant having 30 MLD capacity. Currently GUDA is using 5 MLD from Narmada Canal and supplying 24*7 in TP 06 Kudasan area and TP 9 sargasan, TP 19 Raysan, TP 13 vavol. GUDA is laying water network in 3 other TPs to provide clean Narmada water and that shall be commissioned soon.

Moreover, GUDA is planning to supply their treated water to other TP area as well.

Sewage System

At present, seven TP schemes have proper drainage system that covers all inhabitant household within their vicinity; while rest of the TPs have partly covered drainage system. Preliminary Project Report was prepared for 11 Villages (In west of Sabarmati river) and 23 T.P. Schemes are covered in GUDA drainage project.

Solid Waste Management

GUDA is providing door to door waste collection facilities from around 5000 HH in various TPS. Solid waste collecting services are much better in TPSs as



compared to in villages. Well planned communities in implemented TPSs offer door-to-door waste collecting and street sweeping services.

Power Supply

Power supply in the city and the surrounding TP schemes is given, for almost all areas, by Torrent Power Ltd. that supplies 40-50 MW power to the city during winters and 50-60 MW during the summers. Electricity is supplied through the Gujarat State Electricity Board (GEB) in the villages. All household in all villages are benefiting by 24 hours of electricity supply by GEB.

Storm Water

GUDA has decided to provide storm water collection and disposal system for the present GUDA project area. The work for the same was given to Multi Media Consultants Private Limited and work is under progress.

Cycle Sharing Project

This project has been developed and run on the basis of Public Private Partnership (PPP) mode in pilot phase. In second phase, GUDA will procure cycles and stations and operate & maintain them. First phase of the project was commissioned in March 2016. Project consists of 100 bicycles and 10 stations.

Second phase has been inaugurated in October 2017. The project consists of 500 more bicycles and 20 more stations.



"GUDA has been awarded for "G Bike, Cycle Sharing Project" as "Best Non Motorised Transport" project by Central Government in 2017"

Development of Lake and Garden

GUDA Developed 2 Lakes in Vavol and in Sargasan, respectively. The cost of Project was Rs 1,057.64 lakhs. GUDA also developed a garden in Raysan. The cost of project was Rs. 218.00 lakhs. Development of seven more gardens is underway in various T. P. s, the cost of which is estimated to be Rs. 1,115.78 lakhs.



Construction of 80 M Wide Ring Road

GUDA is going to construct 4 Km. long 80 M wide Ring Road connecting Koba Gandhinagar Highway to GIFT City.



L. E. D. Street Light Project

GUDA has planned to install L. E. D. Street light on 90 km in Various Town Planning Roads, Out of 70 Km. with



2400 Poles work is Completed. It also provides streetlight facilities to villages (within GUDA area) under Guda Gramya Sahyog Yojana. ●

VIBRANT GUJARAT: BRINGING THE WORLD TOGETHER

United Kingdom has the highest number of parliamentarians of Indian Origin and they mainly come from States of Gujarat and Punjab. They are present across the entire political spectrum, have made great contributions to British society and enhanced the image of their country of origin—India, writes **J K Sharma, Former Consul General of India in Midlands and North England.**

It is said that the biggest wealth of a country are its people. It is especially true for our country India. Currently our country is celebrating the 150th birth anniversary of Mahatma Gandhi, Father of our Nation. He is the biggest NRI who returned to India on January 9 to fight colonial rule and the day is celebrated as Pravasi Bhartiya Divas since 2003. Since October 2, 2007 United Nations Organisation (UNO) designated Gandhi Jayanti as International Day of Non Violence and it is celebrated all over the world. It is often stated that Mahatma Gandhi was never awarded Nobel Peace prize, so

what? He is the only world leader who is respected and recognised all over the world as apostle of peace and non-violence. His teachings are still quoted by the presidents of important world powers.

It is a matter of great happiness that the Government of Gujarat is going to hold its 9th Global Vibrant Gujarat Summit from January 18 to January 20, 2019 at Mahatma Mandir Exhibition-Cum-Convention Centre, Gandhinagar.

While serving in the prestigious Indian Foreign Service I had the privilege to serve, during last 11 years of my career, in Public Diplomacy



J K Sharma

Former Consul General of India in Midlands and North England

Division, Ministry of External Affairs Headquarters, New Delhi (July 2006-May 2008) in High Commission of India, London (May, 2008 to November 2011) and Consulate General of India, Birmingham (February 2015 to January 2017). It is a well established and well known fact that Non-Resident Indians and Persons of Indian Origin have excelled all over the world as entrepreneurs, doctors, scientists, academicians, investors, business leaders, actors, sportspersons, management gurus, engineers, politicians, IT experts, media persons, writers, etc. Even the Nobel Prize winner in Chemistry Mr Venkatraman



Councillor Rita Patel, Councillor Rati Lal Govind, Consul General J K Sharma, Mr Steve Too good, UKTI and Dr Raj Mistry at Vibrant Gujarat Event Jan 4, 2017 at Nottingham



Councillor Piara Singh Clair, Leicester City Council, Consul General J K Sharma, British Member of European Parliament Ms Emma McClarkin and British Deputy High Commissioner in Ahmedabad Geoff Wain at Curve Theatre, Leicester at business event organised by British Gov'ts UKTI and Leicester City Council on Oct 28, 2016

Ramakrishnan, also a Padma Vibhushan awardee, has a Gujarat connection as he studied in Gujarat while his father served there.

To my pleasant surprise I discovered that United Kingdom has the highest number of parliamentarians of Indian Origin and they mainly come from states of Gujarat and Punjab. They are present across the entire political spectrum; have made great contributions to British society; and enhanced the image of their country of origin—India. Some of the British parliamentarians tracing their origins to Gujarat are: Lord Bhikhu Desai, Lord Navneet Dholakia, Lord Meghnad Desai, Lord Kamlesh Patel, Lord Adam Patel, Lord Dollar Popat, Lord Jitesh Gadhia, R H Shailesh Vara, RH Preeti Patel, among others. While Gujarat has several Honorary Consulates and Trade Offices of foreign countries the UK is the only country to open a Diplomatic Mission in Ahmedabad.

Recognising this the Govt of Gujarat, in order to promote Vibrant Gujarat 2017 and to explore better business prospects as a consequence of Brexit, mounted an official business delegation to UK, led by Ms Mamta Verma, Commissioner of Industries. The delegation had several Govt officers and leading business persons as members.

The delegation held roadshows in

“United Kingdom has the highest number of British parliamentarians of Indian Origin and they mainly come from states of Gujarat and Punjab. They are present across the entire political spectrum & have made great contributions to the British society.”

Manchester, Birmingham and London. On behalf of the Consulate General of India, Birmingham, I had the privilege to be associated with their visit and roadshow in Birmingham which was organised in association with the then newly formed West Midlands Combined Authority. It was only appropriate the delegation visited Birmingham as the Midlands is the heartland of British manufacturing and SME's and is also known for its world famous Universities.

The presentations of delegation made such an impact and generation of interest that in subsequent months three major business related events pertaining to doing business with India were organised in Midlands in Nottingham and Leicester--on

October 26, 2016 in Nottingham (organised by NIBPA); October 28, 2016 in Leicester (organised by British Government's UKTI and Leicester City Council). Following these a Vibrant Gujarat 2017 promotional event was organised on January 4, 2017 in Nottingham by Consulate General of India, Birmingham in consultation with our High Commission in London.

All the events were very well attended. British Deputy High Commissioner in Ahmedabad Mr Geoff Wain, covering Gujarat and Rajasthan, flew down to the UK and attended first two events and Professor N R Puri, British Industrialist and an awardee of Pravasi Bharatiya Samman, and Professor Hardeep Singh from the University of Nottingham attended the Nottingham event. Following these roadshows, a delegation of Nottingham Indian Business and Professional Association (NIBPA), which has among its members Dr Raj Mistry (a dental specialist) of Nottingham, Councillor Rati Lal Govind of Leicester and several other NRIs and PIOs, attended Vibrant Gujarat, 2017.

The delegation had an excellent visit. According to Councillor Rati Lal Govind, Member, Leicester City Council, “Attending Vibrant Gujarat 2017 had been a great experience personally and a learning curve. I represented Textile Industry (saree manufacturers) and also visited Surat. The visit led to networking and increase in partnerships. Now Sarees are being made/designed directly from manufacturers in Surat and other parts of Gujarat as per market demand, leading to savings in costs for the buyers. A distribution centre has been set up in Dubai and talks are on set up something similar in the UK. Most important outcome was that local education authorities of Leicester linked up with Ahmedabad and students from the UK visited Gujarat and there will be a return visit soon.”

Best wishes for the continued success of Vibrant Gujarat movement and bigger and better Vibrant Gujarat 2019! ●

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Urban Livelihood Centre

Deen Dayal Antyodaya Yojana National Urban Livelihood Mission (Day NULM)



This scheme has been launched by the Central Government for the residents of Gandhinagar who belong to economically weaker sections, BPL Card Holders, Maa Amrutam Mukhyamantri & Maa Vatsalya Card Holders, Housing Board Card Holders, Physically Challenged & Unemployed people.



This scheme was launched with the aim to make the people of Gandhinagar independent by making them socially and financially stable.

Mother and Children Day

Motherhood Day

Pregnant women get free treatment, vaccination, and free iron capsules are distributed to all pregnant women

Free Vaccination are given to all children below 5 years of age



Chiranjeevi Scheme for the delivery of pregnant women

Janani Suraksha Scheme for the delivery of pregnant women

Make the delivery of pregnant women in Clinics only

The first breastfeed of new born should be given within half an hour

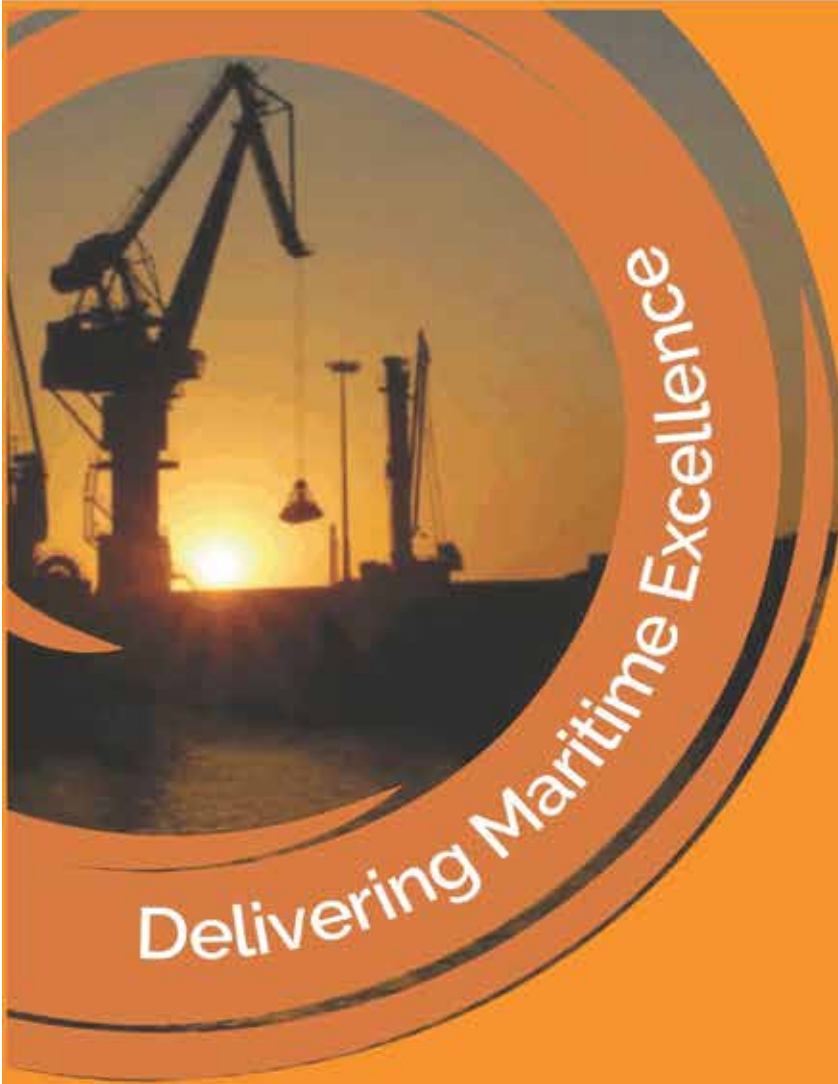
All vaccinations should be given to child before 1 year of age

If children have diarrhoea, they should be given ORS

Pentavalent Vaccination is available here.

Gandhinagar Municipal Corporation





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The Deendayal Port (Formerly Kandla Port) Growth Story

Deendayal Port's journey began in 1931 with construction of RCC Jetty by Maharao Khengarji III. After partition, Deendayal Port's success story has continued and it rose to become the No. 1 Port in India in the year 2007-08 and since then retained the position for the 11th consecutive year. On April 1, 2018, Deendayal Port created history by handling 110 MMT cargo in a year – the first Major Port to achieve the milestone.

Our Mission

To be the Most Economical Modern Major Port rendering cost effective services to our Customers.

Navigational Facilities

- Safe Navigation of Vessels round-the-clock.
- Permissible draft of 13 mtrs.
- Ships of 260 mtrs. LOA and 90000

DWT can be accommodated presently and ships upto 260 mtrs. LOA and Container vessels upto 330 mtrs. can be berthed at Container Terminal

- Safe protected and vast anchorage for waiting and lighterage at outer harbour.
- 22 Lighted Navigational Buoys as per IALA system in the Navigational channel with solar lights.
- Fully equipped round-the-clock Signal Station.

Infrastructural Advantage at Kandla

- 14 Dry Cargo Berths in straight line with Quay Length of 3150 mtrs.
- 6 Oil Jetties.
- Dry Bulk Terminal for handling Dry Bulk cargo at Tuna Tekra with quay length of 1.2 km.
- Total Custom Bonded Port Area inside the custom fencing is about 330 hectares.
- Two Cargo moorings in the inner



Shri Sanjay Bhatia, IAS
Chairman,
Deendayal Port Trust

Harbour area for stream handling.

Advantage Deendayal Port

- Protected and safe harbour.
- Economical and cost effective services
- Facilities for handling Liquid Cargo, POL Products, Chemicals and Edible Oil.
- Storage Facility for LPG to the tune of 30,000 cu.m.
- Port with Highest Liquid Storage capacity in the Country.
- Excellent Road and Rail Connectivity.
- Higher capacity cranes for Dry Cargo.
- Transparent and Notified Tariff.
- 13 metres draft at Kandla and 33 metres at Vadinar
- Provides the largest open and closed storage capacity
- Strategically located with close proximity to the Middle East and Europe
- Port with the largest land availability of 2175 acres of dry land area and 10 kms. front water.



- Trade-friendly port with excellent Industrial Relations
- Nearly 100% payments are made online everyday.
- Additional channel for payment of Port Charges through dedicated Payment Gateway is under advanced stage

Strategic And Climatic Advantage

- All weather and 365 days, 24 hours operational Port.
- Tropical and dry climatic conditions.
- Temperature varies from 25 degree Celsius to 44 degree Celsius in summer and from 10 degree Celsius to 25 degree Celsius during winter.
- Scanty Rainfall, thereby, enabling round -the- year operations.
- No adverse wave effect, being a sheltered harbour situated in the Creek.
- A Major Port that is nearest to the Middle East and Europe.

Off-Shore Oil Terminal (Oot) - Vadinar

The Deendayal Port Trust had commissioned the Off-shore Oil Terminal facilities at Vadinar in the year 1978, for which M/s. Indian Oil Corporation Limited (IOCL) provided Single Bouy Mooring (SBM) system, having a capacity of 54 MMTPA, which was first of its kind in India. Further, significant quantum of infrastructural upgradation has been effected and excellent maritime infrastructure has been created at Vadinar for the 32 MMTPA Nayara Energy (Formerly Essar Oil) Refinery in Devbhoomi Dwarka District.

- Draft up to 33 meters at SBMs and Lighterage Point Operations (LPO) at Vadinar is available.
- Three Single Bouy Moorings available.
- Handling of VLCCs having 3,00,000 DWT and more.
- Providing Crude Oil intake facilities for the refineries of M/s. IOCL at Koyali (Gujarat), Mathura (U.P.), Panipat (Haryana) and Essar Refinery near Vadinar in Devbhoomi Dwarka District (Gujarat).

Upcoming Projects

- Development of Marine liquid



- terminal facilities, consisting of two berths, 300m each on North side of existing jetty and a SPM in DPT waters at OOT Vadinar for handling crude & petroleum products (Expansion of facilities by M/s EOL at OOT, Vadinar, DPT)
- Construction of ROB at Kutch Salt Junction (LC 236)
- Development of Smart Industrial Port City at Kandla-Gandhidham-Adipur Complex.
- Construction of Oil jetty no 8 (Capacity -2 MMTPA) at Old Kandla at an estimated cost of Rs 75 Cr.
- Improving Road network inside Cargo

jetty area

- Improving the entry gates of cargo jetty, Bunder Basin, Oil Jetty.
- Revamping of Pipelines network at Oil Jetty area.
- Up-gradation of the road network of 66 hectares.
- Modification of existing Rail network at Port.
- Mechanisation of Fertilizers handling at Cargo berth No.14
- Revamping of fire fighting system at Oil Jetty 1 to 4, and Mechanisation of coal handling with Pollution Control measures. ●

USISPF COMMITTED TO WORK TOWARDS GUJARAT'S ECONOMIC GOALS

US-India Strategic Partnership Forum recently hosted the Government of Gujarat delegation across the United States for the 2019 Road Show

The US-India Strategic Partnership Forum (USISPF) is committed to continuing to work towards the Government of Gujarat's goal of further strengthening the economy of Gujarat. An important part of the Forum's work is to ensure that as companies choose their investment location in India, it is able to guide them to Gujarat given the unmatched track-record that the state has demonstrated year-on-year.

Most recently, the Forum has hosted the Government of Gujarat delegation across the United States for the 2019 Road Show. The Forum hosted its Annual Board Meeting and India Leadership Summit in New Delhi at the end of October 2018, where the USISPF Board had the opportunity to meet with Prime Minister Narendra Modi and reassure him that the Forum will be present to support Vibrant Gujarat in full strength in January 2019.

USISPF Chairman John Chambers



is personally leading the business delegation for the event, as he has done so previously.

Earlier in August 2018, the Forum hosted a roundtable discussion with Additional Chief Secretary Finance Gujarat Arvind Agarwal in New Delhi. In

November 2018, as an official partner to the Vibrant Gujarat Summit the Forum supported the Government of Gujarat with their Curtain Raiser and Interactive Session in New Delhi. USISPF is also going beyond business and trade by supporting and partnering with i-Create to encourage start-up growth in Gujarat and India.

In addition to a business delegation, USISPF will bring a group of premier U.S. higher education institutions to Vibrant Gujarat this January 2019 for a dialogue on how to foster an innovation environment.

USISPF is engaged with various other Indian states – notably Telangana, Madhya Pradesh, Maharashtra, Assam, Manipur, Arunachal Pradesh, West Bengal, Uttar Pradesh, Odisha, Andhra Pradesh and Tamil Nadu. We have hosted the India-US Forum of Parliamentarians for industry interactions, promoted the Make in Odisha Conclave 2018, hosted Andhra Pradesh Chief Minister Shri Chandrababu Naidu and supported the Tamil Nadu Global Investors Meet 2019.●



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