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Name of Event : U-20: Urban Infrastructure Planning

Date of Event : 08/02/2023

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Name of Department : Applied Mechanics

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URBAN – 20 (U20) EVENTS BEING ORGANISED UNDER G20 PRESIDENCY OF INDIA.

Event is being organised by Applied Mechanics Department of Shantilal Shah Engineering College, Bhavnagar on 08th February, 2023.





Model Economic Township Limited

(Formerly known as Reliance Haryana SEZ Ltd.)

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Model Economic Township Limited

(Formerly Reliance Haryana SEZ Ltd.)

Meet Your Future Business At Reliance MET

JHAJJAR | HARYANA | INDIA

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Reliance MET: Monetize The Promises Of Tomorrow, Today

Reliance is developing an Industrial Township at the border of Delhi/ Gurgaon in Jhajjar district of Haryana. The large land bank of about 8250 acres holds the promise of substantial development.

The Government of Haryana approved Reliance MET, is under development as a fully integrated industrial township with all the benefits of domestic tariff areas, special economic zones, industry clusters with support infrastructure of logistics hub and social infrastructure including residential, commercial, recreational and institutional development.

Reliance MET: Make Most Of Great Opportunities

- Built by Reliance, India's largest private sector enterprise
- Green field development - A SMART City Development
- NCR Planning Board encourages economic development to decongest NCT of Delhi
- Government has planned heavy investments for development of Dedicated Freight Corridor (DFC), Delhi-Mumbai Industrial Corridor (DMIC) and the Kundli Manesar Palwal (KMP) Expressway that enhance the trunk core infrastructure and create complementary economic activities
- Proactive State Industrial Policy and support from State Government
- Conducive political environment in the State as well as Centre

Strategic Location With Strong Connectivity

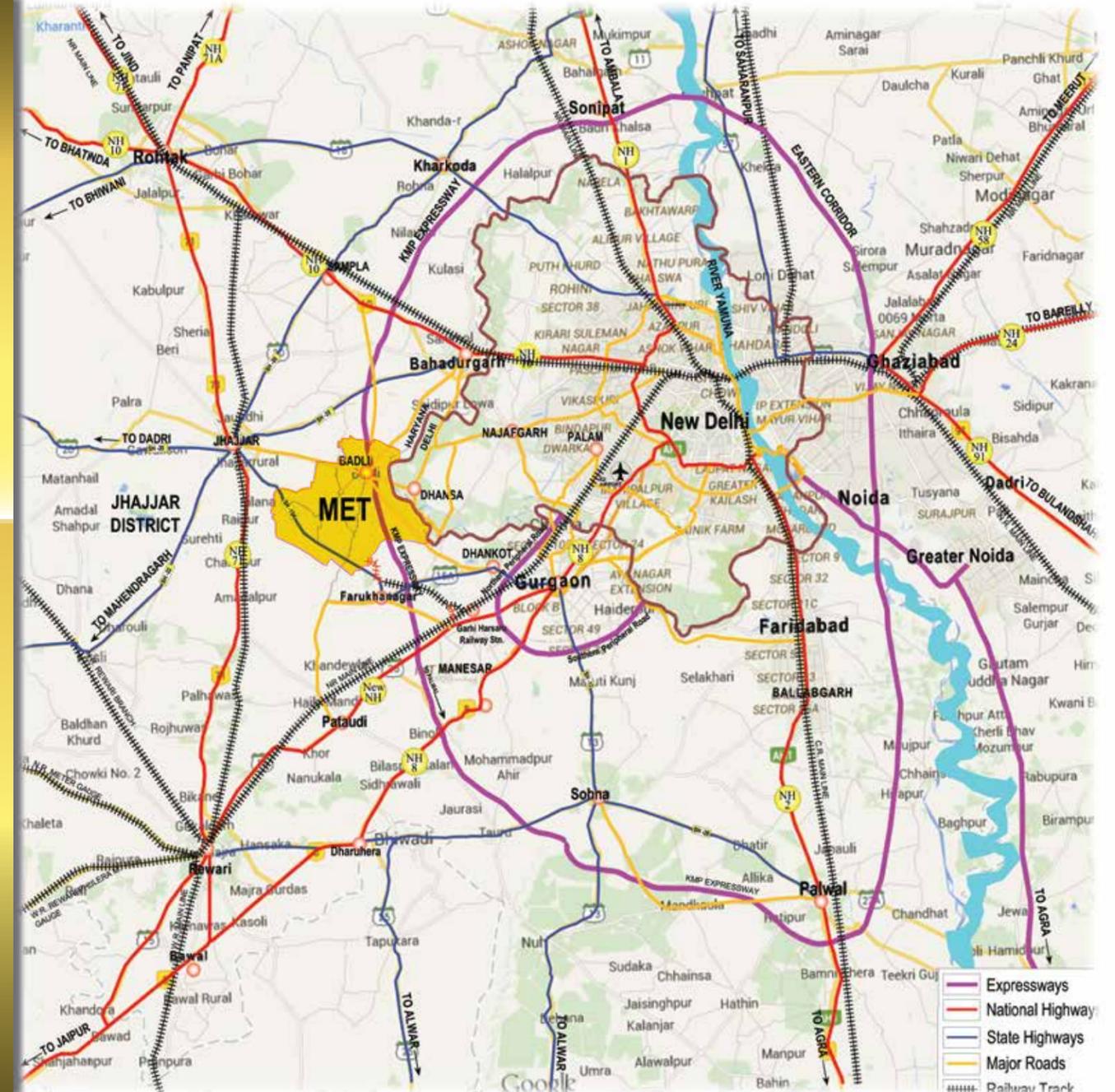
- MET is strategically located in the National Capital Region (NCR) along the western border of Delhi
- Convenient regional connectivity through the KMP (Kundli Manesar Palwal) or Western Peripheral Expressway
- Within the influence zone of the Delhi Mumbai Industrial Corridor (DMIC) Project
- Connected by rail to the Dedicated Freight Corridor (DFC)
- Proximity to Gurgaon, a major Industrial & IT/ITES hub
- Quick Access to the Indra Gandhi International Airport, New Delhi
- Consolidated land parcels of various sizes available for immediate development

ROAD DISTANCE & TIME TRAVEL FROM MET

Jhajjar	12km/15 mins	Bahadurgarh	26 km/30 mins
Gurgaon	21km/30 mins	IGI Airport	30 km/30 mins*
IMT Manesar	21km/30 mins	Connaught place	55 km/95 mins

* Once NPR (Dwarka Expressway) is operational

Note: Time travel is average. It depends on the traffic conditions & time of the day





MET - LOCAL LEVEL CONNECTIVITY



- 1 KMP Expressway
- 2 SH-15A: Gurgaon - Farukhnagar/Jhajjar
- 3 SH-15A: Bypass - Farukhnagar Town
- 4 MDR-136: Chandu - Badli - Bahadurgarh
- 5 MDR-123: Jhajjar - Najafgarh
- 6 NH-71: Rohtak - Jhajjar - Rewari
- 7 NH-8: Delhi - Jaipur
- 8 SH 26 (Proposed to be NH): Gurgaon - Pataudi-Rewari
- 9 Northern Peripheral Road to NH 8/Dwarka

Road

MET is directly connected to the national highways (NH-2, NH-8, NH-71, NH-10) in NCR via the Kundli Manesar Palwal Expressway

The Jhajjar-Farukhnagar-Gurgaon State Highway (SH 15 A) four lane median divided road runs across the western border of the MET site.

Two major district roads (MDRs), viz Jhajjar-Badli-Delhi Road (MDR123) and Bahadurgarh-Badli-Chandu Road(MDR136) are four laned and pass along the Northern and Eastern parts of the MET respectively.

Quick access to IGI Airport in Delhi via the SH-15A and MDR-136 or Dwarka Express way

The KMP interchanges at Badli and Sultanpur on the KMP Expressway significantly enhance the regional connectivity of the MET area

Rail

The Ministry of Railways has given approval for setting up of a Private Freight Terminal (PFT) within the MET.

The proposed PFT will comprise of an Inland Container Depot (ICD) with custom facilities and Warehousing space.

At present MET is connected by rail from Farukhnagar station (2 km distance from the site), further connected to the Delhi-Gurgaon-Rewari railway line by the 11 km long broad gauge branch line at Garhi Harsaru, Gurgaon

The GoH has already acquired land for direct rail connectivity up to the PFT of MET Project. With this Rail Connectivity, the MET will have direct connection to the main Northern Railway line and also to the proposed western DFC and will enable movement of double stack containers and reaching Western Ports of India within 24 hours.

Air

The Indira Gandhi International Airport, New Delhi is only 49 km from the site via SH-15 A & NH-8

However this distance would be reduced once the NPR/ Dwarka Expressway is operational





All The Resources You Need For Growth

POWER SUPPLY: Power requirement will be met from the state grid which is on an aggressive mission to be a power surplus state. Government of Haryana has approved setting up of a 220 KV substation for supply of Power to the MET project.

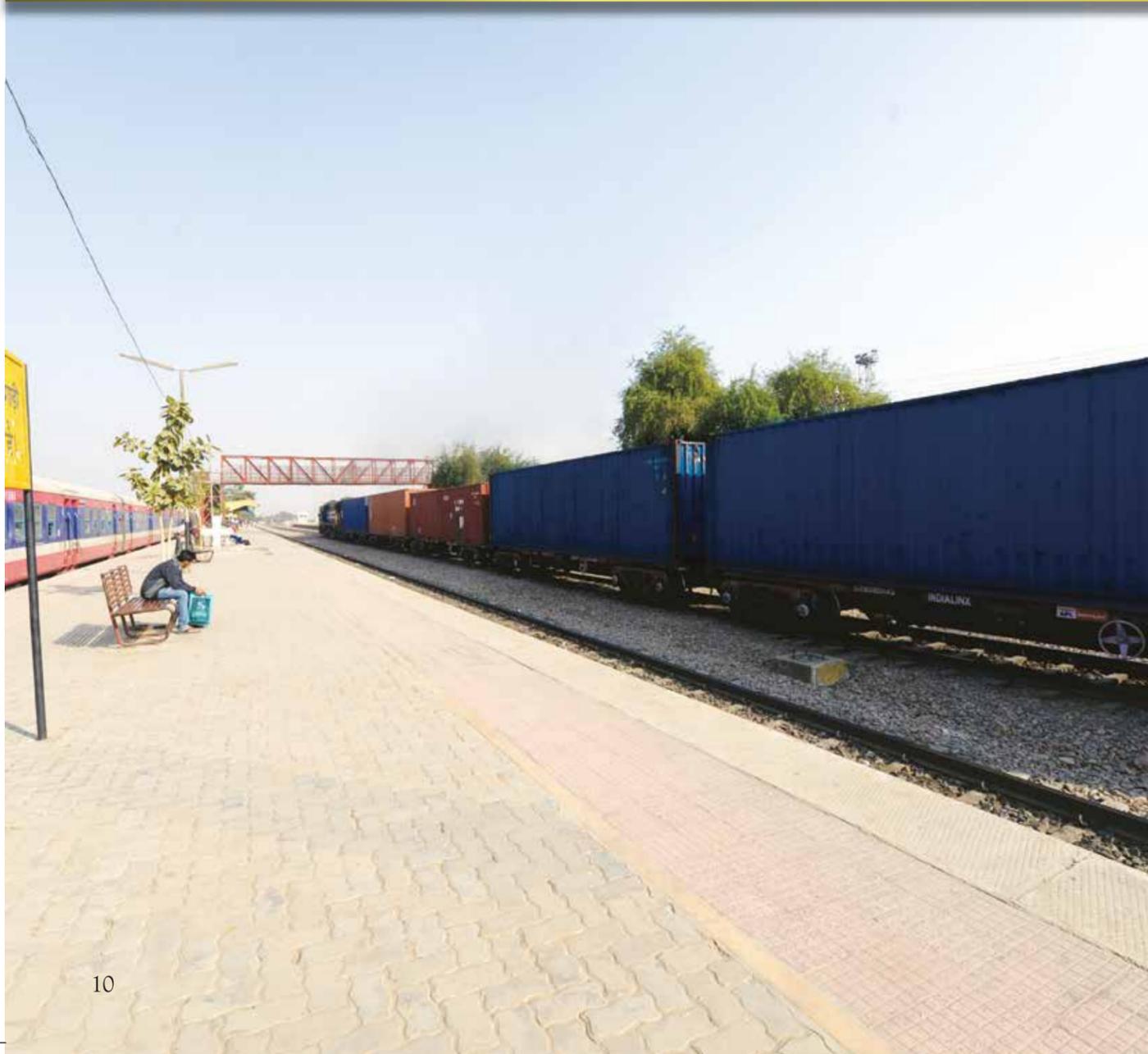
Establishment of 220 kV Substation will enable 100 % Power reliability

WATER SUPPLY: The primary surface water source for MET area is the newly constructed NCR Channel from which the Government of Haryana has approved the allocation of water. The Central Ground Water Authority has approved use of Ground Water to supplement the surface water supply.

GAS: A gas pipeline is scheduled to pass through the MET area and GAIL is ready to meet the gas requirement.

Government Approvals Received

- Establishment of Model Economic Township (MET)
- Environment Clearance from MoEF for 1,860 acres, Phase I
- Licence for development of Industrial Colony for 365 acres obtained
- Industrial Colony Licence for an additional land of about 876 acres is in process
- Surface water allocation from NCR water channel
- Setting up of a 220 kV substation for supply of Power
- Preparation of Development Plan of the MET region by Government of Haryana is in process
- Railway Approval for development of a 182 acres Private Freight Terminal (PFT)
- Rail Land acquired by GoH for Private Freight Terminal in MET

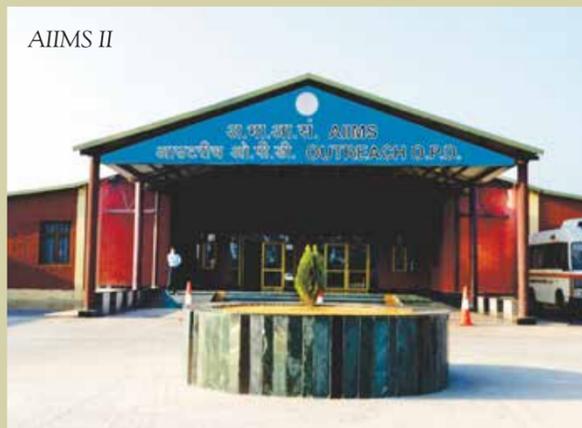


A Growing List Of Confidence

- Panasonic (Japan) has set up a large Techno Park over approx. 74 acres and is expanding its operations
- Denso (Japan) has established over 18 acres and has commenced production
- Reliance Retail is in the process of establishing its National Distribution Centre for North India
- Indospace (a PE fund) is setting up a Ware Housing cum Industrial Park over an area of 110 acres
- Ministry of Economy Trade and Industry (METI), Japan sponsored consortium of Mizuho Bank, Marubeni Corp and Daiwa House has conducted a feasibility study of a Japan Industrial Township (JIT) at Jhajjar MET project and the outcome was favourable
- Attractive incentives provided by Government of Haryana for setting up Industrial units

DEVELOPMENT AROUND MET

- The second campus of the famous All India Institute of Medical Sciences (AIIMS) is being developed over an area of 300 acre
- The Indian Institute of Technology (IIT) Delhi, has taken possession of about 50 acres of land for an R & D centre
- The Xavier School of Management - XLRI, the premier management institute in the country, has procured 40 acres of land for its Delhi Campus
- SGT University is already having a thriving sprawling campus on approx. 67 acres
- The Sehwaq International School, owned by Mr. Virender Sehwaq a Cricket Icon
- The Haryana Cricket Association (HCA), an affiliate of BCCI is developing a Cricket Stadium and Academy at Lohat village
- Other institutions established are BIMT and Government Engineering College



Industrial Clusters Development

- Electronics Manufacturing Cluster (EMC) - under development
- Footwear Park – under development
- General Engineering Park
- Food Park
- Textile and Apparel Park

A Walk To Work Environment

In MET, industrial development is at its core of economic activity. For sustained planned development a 'Walk to Work 'Culture and 'Housing for All ', the township proposes to house a substantial portion of the work force within the MET supporting the needs of the industries. The other social infrastructure facilities consist of recreational parks, sports complexes, golf course, clubs, shopping malls, multiplexes, police station, post office, banks amongst others



CSR Initiatives in MET

Healthcare: Mobile Health Guard - Mobile Health vans fitted with primary health care equipment, visits each of the project villages twice a week and provides free health checkups, medicines and referral support to local villagers. Separate school health camps are also organized regularly. Dental Camps, Audio Checkup, Gynae Camps and Eye Camps provide free medical support by providing medicines, spectacles, cataract surgery, hearing aids, etc. covering the entire population of the villages in the area.

Women Empowerment: Regular Gynae camps, beauty culture programs, cutting and stitching classes of six month duration are conducted regularly

Education & Training: Village schools are supported with sponsored qualified teachers, providing accessories i.e. benches, bags, etc. School children are motivated and participate in athletics and debating competitions conducted regularly. The Company has taken many initiatives with established NGOs to provide vocational training for better job opportunities for youth in the area.

Preserving the Nature: In addition to the planting of trees in villages, the Company has sponsored the clearing of hyacinth over 200 acres at the Bhindawas Bird Sanctuary located 10 kms from the project site in support of district administration.

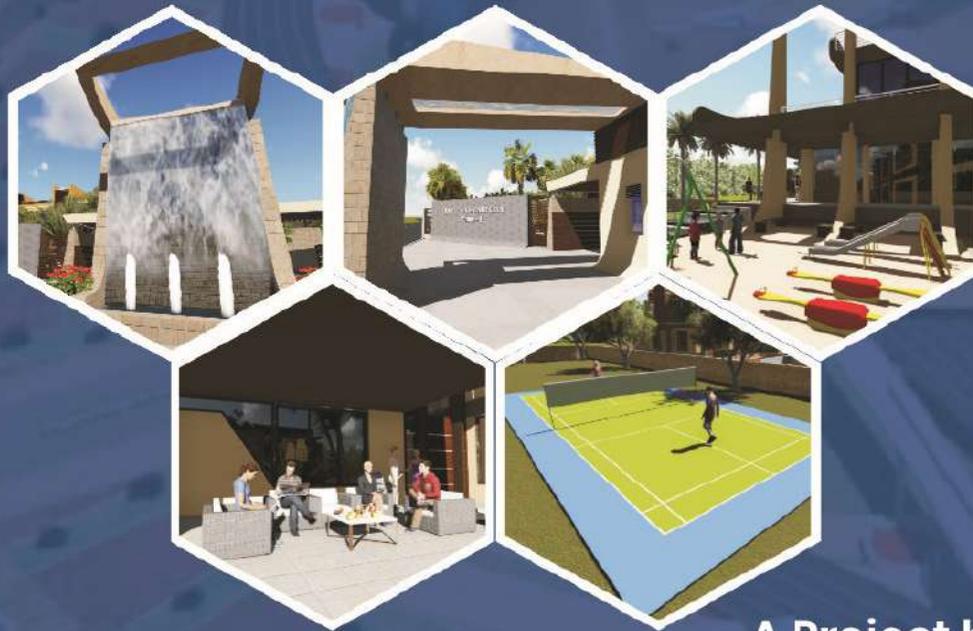
Infrastructure Support: Based on community and local populace requirements, essential infrastructure in the villages such as pavement of streets, community halls, periphery roads and ancillaries in villages to improve quality of life have been facilitated thereby creating job opportunities in the project area also.



1



Dholera SIR : A New Gujarat within Gujarat PM Shri. Narendra Modi



- **20+ Amenities**
- **EMI Options Available**
- **Clear Title/NA/NOC**
- **Immediate Registration**
- **High Returns on Investment**
- **Premium Location**
- **Close to International Airport**

A Project by:

SmartHomes Infrastructure Pvt. Ltd.

www.smart-homes.in , www.dholera-smart-city.com

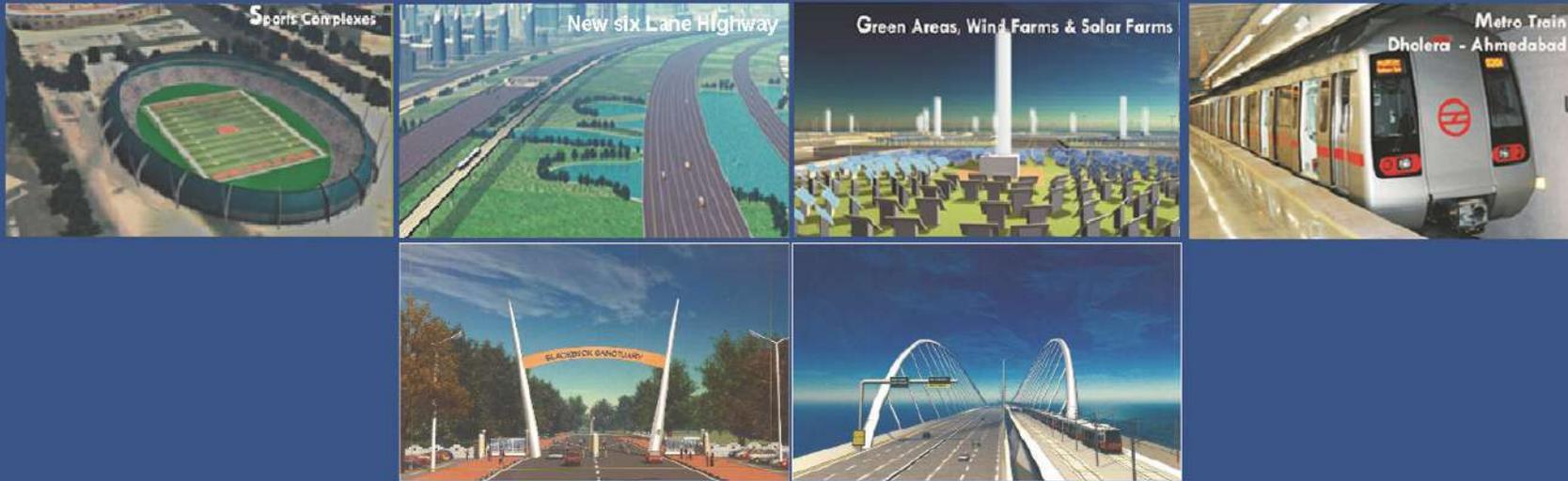
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All images shown are for illustration purpose only, actual project may vary.

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Why Dholera SIR?

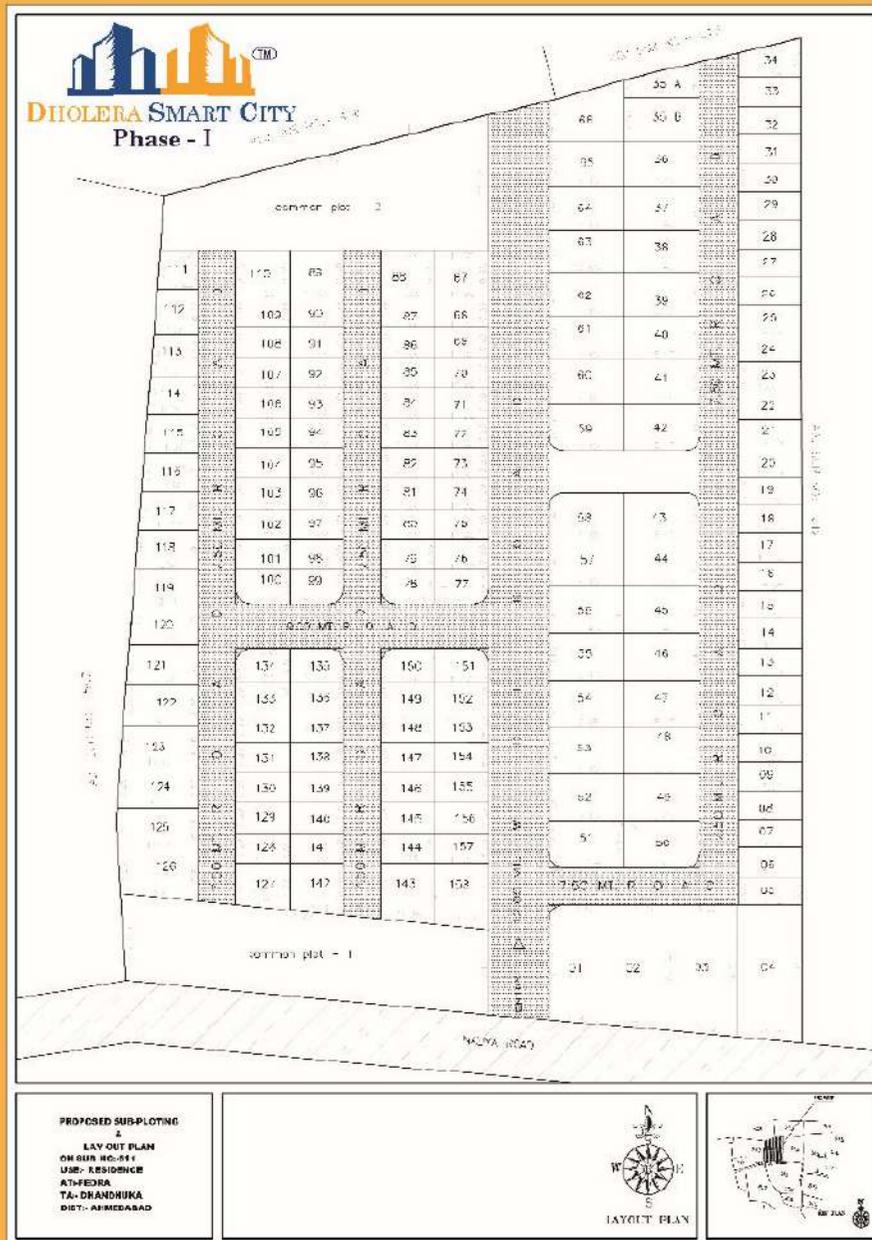
“Investing in Greater Dholera SIR is a better investment than investing in other 100 Smart cities of India”



- ✓ PM Modi's and Gujarat Governments, favourite and an ambitious project.
- ✓ Dholera SIR is part of most happening DMIC project and is an early bird project of DMIC agenda.
- ✓ Central Government has already approved Rs. 2784 Crores worth of trunk infrastructure for Dholera SIR.
- ✓ Rs. 24,000 Crores worth MOU Signed for DHOLERA SIR in Vibrant Gujarat Summit 2013.
- ✓ Dholera airport work to take off in Q3 of FY'16
- ✓ Biggest Sweet Water Lake at Kalpasar Dam near Dholera SIR is planned to accumulate 25% of rain water of Gujarat.
- ✓ Dholera has good connectivity with National Highway (NH) 8 (Anand) and 8A (Bagodara), augmenting Bagodara - Bhavnagar, Bagodara- Surendranagar- Radhanpur links as a part of Golden Quadrilateral, the 500 km Mumbai- Ahmedabad- Vadodara Express.
- ✓ It will be Connected by 250 meters/ 820 feet wide 10 Lanes Express Highway and Metro Rail (high speed railway) and BRTS bus system.

3

Dholera Smart City: Phase - I Project Layout and Features

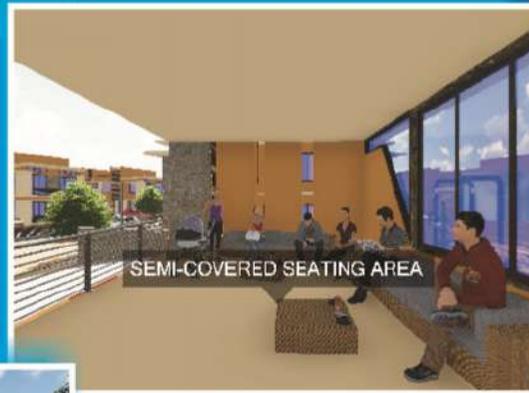


- ✓ Plot sizes starting from 100 Square Yards
- ✓ Premium and Strategic Location
- ✓ Posh Locality with Celebrity investors around
- ✓ NA, NOC, Clear Title, Legally Approved Project
- ✓ Minimum Down Payment & Easy EMI schemes
- ✓ Dominos, Coffee Café Day, Havmor - 1 Minute
- ✓ 2 Petrol Pumps - 1 Minute
- ✓ Bank ATM – 2 Minutes
- ✓ Fedra-Pipli Highway - 350 Meters
- ✓ 10 lane Express highway- 5 Minutes
- ✓ Metro Rail connectivity- 5 Minutes
- ✓ International Airport- 7 Minutes
- ✓ Delhi- Mumbai Industrial Corridor- 2 Minutes
- ✓ 6 lane Express Highway- 2 Minutes

Dholera Smart City Phase-I

A project of Smart Homes Infrastructure Pvt Limited

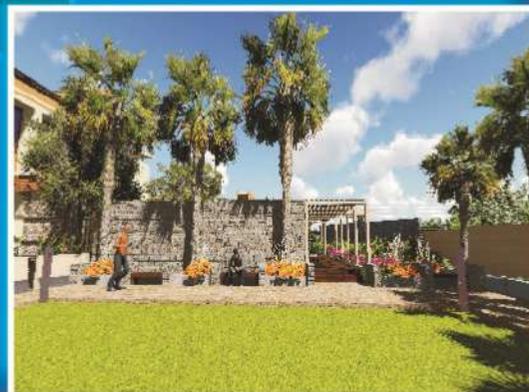
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Smart Homes Infrastructure Pvt Ltd: A fast emerging name in the top real estate brands of India is being considered as an ideal investment option for property onlookers in India. The blue-chip brand is the Indian arm of the Singapore based realty firm, Smart Infrastructure PTE Ltd. Smart Homes plans to develop residential housing townships in multiple cities of India.



Smart Homes is developing multiple residential township projects in more than 1000 acres of land in Dholera SIR and the township shall be developed in several stages over the years. Smart Homes will develop these projects in sync with the Singapore based team of designers and Architects that shall ensure that the projects in India are developed as per the smart city concept and guidelines and gel along with the affordable housing vision of the Indian government.

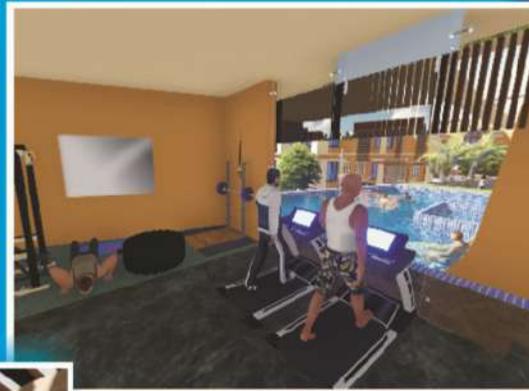


Currently, Smart Homes has launched two whopping brands of projects in Dholera SIR: Dholera Smart City and Smart Dholera. These two township schemes shall be developed in ten phases for each of the brands, Dholera Smart City and Smart Dholera, each phase spread across several acres, each one of it, a mesmerizing creation on its own. Each one of them shall have more than 1000s of residential units which will not only comprise of affordable smart apartments but also consist of opulent bungalows, breathtaking villas and residential plots giving one the privilege to build homes as per their desire.

Dholera Smart City Phase-I

A project of Smart Homes Infrastructure Pvt Limited

5



DHOLERA SMART CITY PHASE-I will have all state of art amenities within, including a world class clubhouse, landscaped gardens and kids play area. The secured gated community along with 24*7 CCTV cameras also grants its residents the freedom to breathe fearlessly irrespective of the hour.



Smart team's projects have efficiently incorporated smart features including electricity management and water management along with creating seamless provision for networking. The strategic location of Dholera Smart City Phase-I will also have excellent connectivity through its proximity to the Dholera international airport, proposed 10 lane expressway, National Highway and high speed metro.



Smart Homes team is a team of renowned professionals who are alumni of famed institute such as Manchester Business School, United Kingdom, IMT Ghaziabad and IIT's are committed to create homes in Smart cities of India as per central government vision.

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Dholera Smart City: Phase - I **20+ Amenities**



Secured Gated Society



Play Area for Kids



Swimming Pool



Club House



Gymnasium



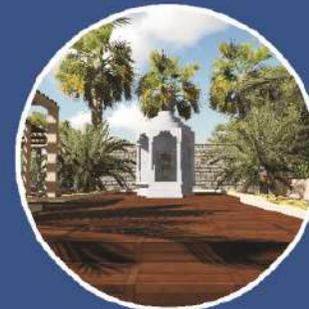
Jogging Track



Sports Complex



Walkaway



Temple

All images shown are for illustration purpose only, actual project may vary.

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Dholera SIR: “Among top 12 Fastest Growing Cities of World and the only of-its-kind city in India : Forbes Magazine”

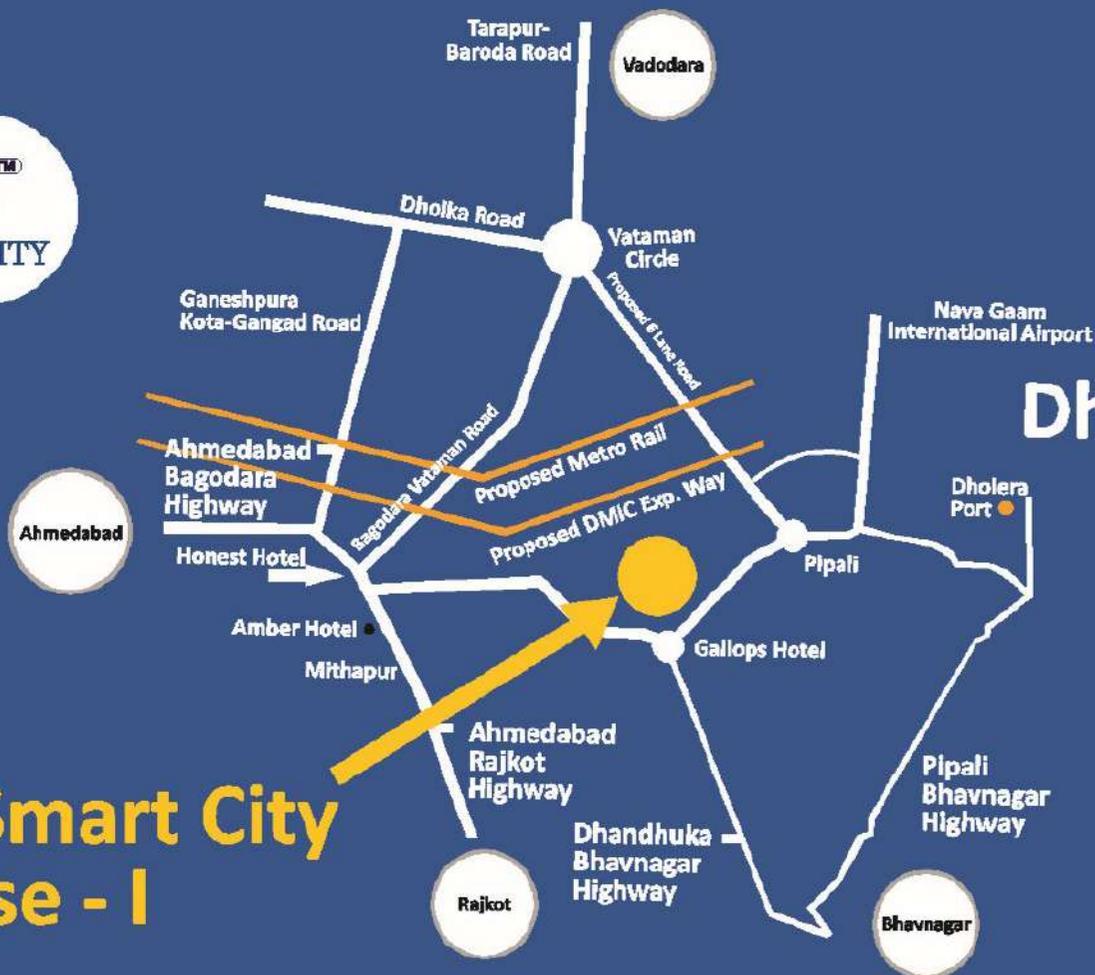
Strategic partners for Industrial Development at Dholera



“Dholera will be better developed than Delhi and six times bigger than Shanghai” – PM Shri. Narendra Modi



8



Dholera SIR

Dholera Smart City
Phase - I

Developed by : SmartHomes Infrastructure Pvt. Ltd.

Add : SmartHomes Infrastructure Pvt. Ltd.
1205 Ganesh Glory, Near BSNL Office,
Jagatpur Chenpur Road, SG Highway Jagatpur,
Ahmedabad - 382481 Gujarat, India

Architects: Vihar Fadia
Mobile: 7567219501
Developers: Smart Homes
Mobile: 7600510403

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Concluding Remarks

The Dholera Smart City Project is one of India's most ambitious and far-reaching urban development projects. When complete, it will be almost twice the size of Shanghai and four times Mumbai. But it's not just the sheer size that makes this project so impressive – it's also the scope. The Dholera Smart City Project aims to create a world-class city that is sustainable, liveable, and inclusive. The plan includes everything from using natural resources like solar power, tidal energy, and green cover to educating citizens about water conservation. It's an exciting prospect for residents and investors alike – there are estimated to be 2 million jobs created by Dholera once the project is completed!