Gujarat International Finance Tec – City
A Global Financial Hub
"The vision of Gujarat would be incomplete without capitalising on the in-house financial business acumen.

To tie-up with technology, to create a hub complete with infrastructure, to meet the needs of modern Gujarat, modern India and to create a space in the global financial world… that is my dream"

Shri Narendra Modi
Hon’ble Prime Minister of India
Significant Potential:

- Financial Services Sector transformed over the last decade
- Sector contributes significantly to the Indian economy
- Employs over 4 million people and likely to grow around 10-11 million by 2020
- Represents around 5% of the GDP and will grow to 15% by 2020
- Estimated market capitalization of over US$ 300 billion and likely to grow over US$ 1600 billion by 2020
- Offers distinct kinds of opportunities across several product markets

“Given India's continued economic growth, the financial sector will grow increasingly larger, with a prospect of 10 to 11 million jobs by 2020.”
GUJARAT’S STRENGTHS

• Traditional business community
• High growth economy -- >10% over last five years
• Pool of trained manpower
  ❖ CAAs
  ❖ Commerce graduates
• Active Capital Markets -- >Gujarat contributes 30% of stock market capitalisation
• Proactive Government
• 43% urban population envisioned to be 50% by 2015

KEY COMPETITIVE FACTOR

• People - Gujarat has an adequate employable pool and offers high potential for inward migration
• Business Environment - Gujarat has demonstrated successfully its forte of providing conducive business environment
• General Competitiveness - Overall, the state stands tall
GIFT - An Integrated Smart City
A Global Financial Hub

• Globally benchmarked International Finance Centre

• Strategically located

• Central business hub 0.5 Mn direct & 0.5 Mn indirect jobs

• Targeting Financial Services & IT/ITeS sectors

• First of its kind development in scale, scope and quality

• State-of-the-art infrastructure
Strategic Location - India / Gujarat

- Centrally located in the state of Gujarat in Gandhinagar
- 12km From Ahmedabad International Airport
- On the bank of River Sabarmati
Master Plan Area: GIFT Will Spur Development In The Region

Integrated Townships

Knowledge City

GIFT Expansion Zone

GIFT
GIFT: Master Plan

BUA : 62 mn sq. ft.

Additional 22 Million to be developed after removal of height restriction by AAI

Building Use
- Commercial : 67% (42 Mn SqFt)
- Residential : 22% (14 MnSqFt)
- Social : 11% (6 Mn SqFt)
GIFT Development Structure

Domestic Finance Centre/ Corporate Office/ Trade Centre

Multi Service SEZ with IFSC Status

Associated Infrastructure, Housing and Social Facilities
110 Buildings

- 1 Tallest building above 400m
- 2 Landmark Buildings (Height- above 350 mt)
- 18 Buildings (Height- 150 mt to 300 mt)
- 73 Buildings (Height- 100 mt to 140 mt)
- 2 Schools – International and Domestic Board
- 200 Beds Hospital
- Hotels (5000 rooms)
GIFT: Bird Eye View
GIFT an Integrated Urban Development

**Smart Business Environment:**
- Benchmark office, high-rise district with landmark buildings

**Integrated Residential Development:**
- Well-planned residential housing projects
- Walk-to-work

**Social Infrastructure:**
- International Exhibition Complex
- Educational Institutes
- International and Domestic schools
- State of the Art Hospital
- Training School
- 5 star Hotels and Business Club

**Overall Connectivity/Transport:**
- External Connectivity includes MRTS / BRTS / Roads
- Public-Private Modal Split 90:10

**Technology:**
- Broadband FTTP
- WiFi / Wimax
- Shared IT Services
- Global Connectivity

**Smart Infrastructure:**
- Uninterrupted and highly reliable power supply (99.999%)
- Next generation water & waste management, district cooling

**Retail Cum Entertainment Hubs:**
- High quality entertainment malls
- Large river front entertainment development
- Over 60% of the green Space
GIFT Smart Infrastructure – Physical

- Integrated infrastructure for better diversity
- Smart Technology ensuring energy conservation
- All utilities/services to be coordinated through single agency

**INFRASTRUCTURE FACILITIES/SERVICES**
- Roads and Transportation
- Water Systems
- ICT
- Power Generation and Distribution
- District Cooling System
- Domestic Gas Distribution
- Waste Management Systems
- Utility Tunnel
- Landscaping
External Road Connectivity
BY GOVT. OF GUJARAT

Existing Bridge

Southern Bridge

Road -IA

Road -IB

Road -ID

NH-8

Towards Ratanpur

Towards Shapur

Towards Raysan

Towards Ahmedabad

Towards Himmatnagar

Towards Sabarmati River

Towards Sabarmati River
GIFT - A Transit Oriented Development
Major Internal Transport Corridor

- Major Roads
  - Arterial Road
  - Sub-Arterial Roads

- MRTS corridor

Walkability through travellators within 500 mtrs

Elevated Walkways
Multi Level Parking (MLP)

- Total Parking Requirement of GIFT City - 1.2 lakhs ECS
- No. of Car Parking in MLP – 60,000 car parks
MLP-2
SMART Transportation

- Interactive road maps
- Automatic vehicle location and tracking
- Transit Node Management
- Road condition system
- Real Time Travel Response
- Parking Management

- Ridership analysis
- Accident reporting
- Vehicle emission monitoring
- Safety management
- Asset Management
Roads & Street Lights
Water Infrastructure

- Raw Water from Narmada Canal
- Reservoir
  - WTP
    - STP
      - Water with sludge
      - Filtered Water
      - Waste Water
    - Makeup for Water Bodies
    - Horticulture
    - Cooling Tower
    - Flushing Tower
  - RO Plant
    - Domestic Uses
      - Waste Water
    - Softening Plant
      - Waste Water
  - Makeup for Water Bodies

SMART Water Infrastructure
- Utility Monitoring
  - Metering
  - Leak Detection
  - Controllers

- Quality Water - can be drunk from any tap
- Storage of surface run-off & rain water
- Approach towards making the project water neutral
District Cooling System

Total Cooling Load - 2,40,000 TR

- Efficiency through economies of scale
- Reduces energy costs
- Reduces maintenance costs
- Improves air quality and temperature control
- Reduces noise and vibration
- Conventional AC System not required

DCS Control Centre - Smart Infrastructure

- Monitoring District Cooling Plant System
- Simulation of cooling/energy requirements
- Analyze interface with distribution/usage for both the supply and return elements
- Evaluation of extensive economic scenarios
- Safety Management, Emergency response
District Cooling System
Solid Waste Management

- Maximise resource recovery / minimal emissions
- Minimise impact on environment, human intervention, space requirement, impact on health hazard
- No waste visibility
- Power neutral

**Automatic Collection, Transportation and Segregation System**

1. The waste is thrown into a disposal chute
2. Computer controlled access
3. Waste sucked through pipes at a speed of 90 km/hr
4. Treatment through plasma gasification

- Monitoring E-Waste; Bio-medical, Hazardous Waste handling system
- Monitoring Central Waste Handling Facility
- Monitoring Residual Waste handling, rejects
- Safety Management, Emergency response
Automated Solid Waste Management

Collection from Building

Collection from Public Places

Separate Collection Pits

Segregation & Treatment

Utility Tunnel

Transportation

Collection
Automated Waste Collection System
• Underground cabling for power distribution within GIFT
• Substation and Distribution Automation
• Indoor Substation
  1. Gas Insulated Switchgears (GIS) substation for sub-transmission and distribution within GIFT
  2. Compact substation (CSS) in building
• Total Power Requirement- 750 MVA (from dual source)
• Emergency Power generation (Gas Based) - 150 MW
• Green Power

**Power Control Centre**

- Power supply monitoring
- Power loss minimization
- Grievance redressal system
- Power consumption and efficiency monitoring
- Emergency Power supply monitoring

Reliability – 99.999% which means outage of only 5.3 minutes/annum
Utility Tunnel
GIFT Fire Station
Create a **world class financial city** by offering an unrivalled business environment to global and local financial services enterprises.

Create **leading-edge** infrastructure, services and platforms and offer financial services enterprises a **significant competitive advantage to operate regionally and globally**.
GIFT ICT Vision

GIFT Occupants would have access to following ICT Services

**INFRASTRUCTURE**
- High Speed Fibre
- Network
- Diverse Local and International Connectivity
- Pervasive Wireless and Mobile Network
- Data Centres

**PLATFORMS**
- Financial Extranets
- CUG to Exchanges
- Voice
- Industry Specific Platforms
- City e-Portal
- Sensor Networks
- IPTV Internet Gateway

**SERVICES**
- Data
- Voice
- Wi-Fi
- Tier-4 Data Centres
- Business Continuity
- Security
- High Speed Internet Access
- Monitoring
Vision for Operation & Maintenance

“Identify the defects before consumer noticing it.

Rectify the defect before receiving the complain.”
Central Command & Control

- C4 will take critical live feeds from all Control Centers
- C4 will take remedial actions in case of emergency
Data Centre

- Tier IV Data Centre
- 900 Racks
- 0.1 Mn Sqft
- Investment of around Rs. 150 Cr
- Employment Generation - 100
- To be operational by 1st June-2015
GIFT Intelligent Buildings

- 24% saving on building management system
- 4.5% saving on total build cost
- 36% saving on operational expenditure
Office Buildings – GIFT ONE and GIFT TWO

- Total BUA – approx. 0.8 mn sq ft (each)
- Structure: Basement + 28 Floors
- Tallest Buildings in Gujarat
- Grade A Commercial Office space with high end technical specifications and features like district cooling, vacuum based waste management system, Intelligent Building Management System, Energy Efficient Green Building
- Vertical transportation: Through 12 high speed elevators with a speed of 4m/sec
GIFT City has been conferred as “Smart City of Future” by Cisco Technology Award 2014

GIFT is recipient of IDC ICONIC Award 2014 in Government Sector category

GIFT won e-LETS Award 2014 for “Innovative Solutions for Smart City”

GIFT City was awarded “Best Industrial Development & Expansion” by the “World Finance Infrastructure Investment Awards - 2012” at London. (beating Songdo – South Korea & Moscow International Finance Center – Russia)

GIFT City is amongst the 10 top infrastructure projects of India according to Economic Times and Rediff

GIFT City selected as one of the world’s ‘Strategic Top 100 Infrastructure Projects’ in 2014 by CG/LA Infrastructure, 25 year old US based firm.

GIFT City got a recognition in “Innovation in Utility Transmission & Distribution Infrastructure 2013” presented by Bentley Systems at London

Leadership in Integrated Green City Design Planning at Green Cities Forum in 2014

GIFT City received ICI Utratech Award for Outstanding Concrete Structure of Ahmedabad in 2013
Thank you......