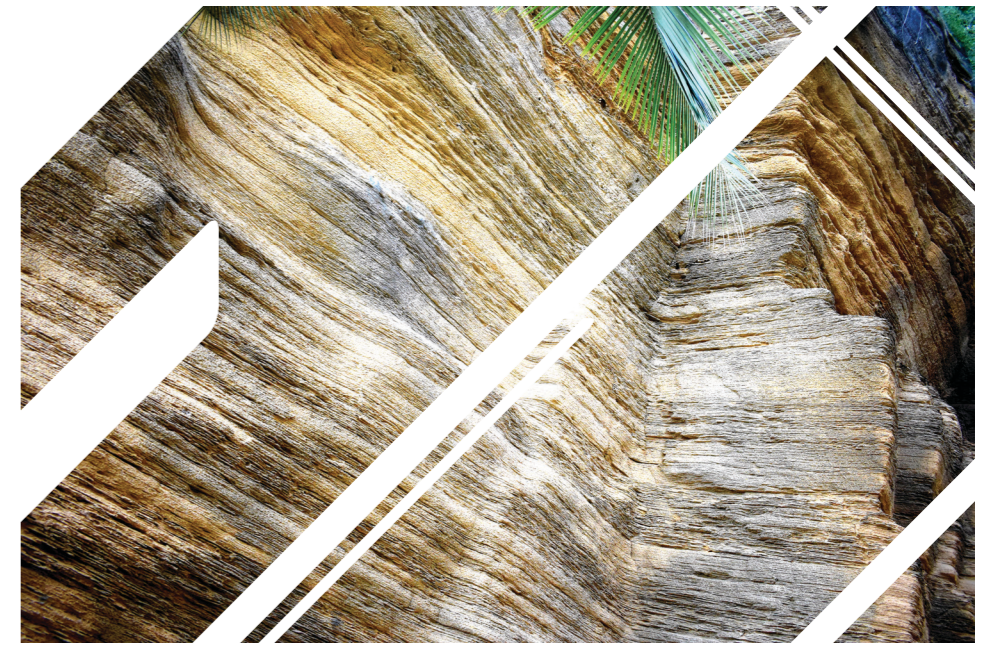




# DIU MUNICIPAL COUNCIL

## SMART CITY PROPOSAL- ANNEXURE 3





## DIU MUNICIPAL COUNCIL

### SMART CITY PROPOSAL- ANNEXURE 3

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- SUMMARY OF ABD PROJECTS
- ABD PROJECT- CITY PROMENADE
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- ABD PROJECT- OLD CITY REVITALIZATION
- ABD PROJECT- SOUTHERN WATERFRONT
- ABD PROJECT- GHOGHLA
- ABD PROJECT- ECOLOGY
- PAN CITY SOLUTIONS 1
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- PAN CITY SOLUTIONS 3
- IMPLEMENTATION PLAN
- SPV STRUCTURE
- CAPITAL EXPENDITURE PLAN
- FINANCING PLAN AND RECOVERY OF O&M EXPENDITURE

## DIU - "CIDADE ENCANTADORA"

The quaint historic island of DIU lies along the southern coast of the state of Gujarat. Branded as "ILHA DE CAMA" or "ISLAND OF CALM" DIU is indeed an exquisite island retreat where the Sea, palm lined Beaches, a rich natural ecology, 450 years of colonial Heritage, a rich tapestry of local culture, festivals and cuisines, all come together to offer an EXOTIC GETAWAY to its visitors.

The city of DIU is "CIDADE ENCANTADORA" or the "ENCHANTING CITY" the vibrant, and endearing urban heart of the island. A delightful mix of old colonial landmarks, rich ingenious architecture, an intriguing networks of streets, and a compact cluster of neighborhoods are all strewed together by an extensive coastline (30km of DIU district and 14km of DIU city).

TOTAL AREA:

**40 SQ. KM.**

URBANISED AREA:

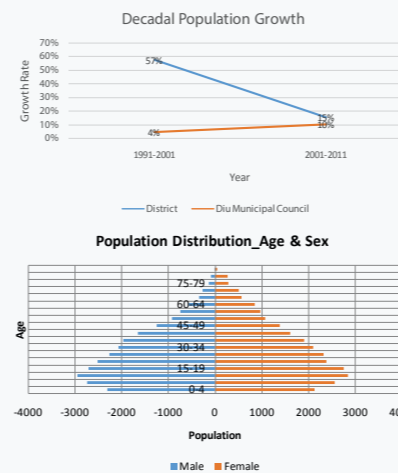
**17.6 SQ. KM.**

TOTAL POPULATION:

**52,074** (2011)

POPULATION DENSITY:

**1335**



### OBSERVATIONS:

- DISTRICT RATE GROWTH IS DECREASING.
- URBANIZATION IS GRADUALLY ON THE RISE.
- LARGE OUT-MIGRATION OF MALE POPULATION DUE TO LACK OF EMPLOYMENT OPPURTUNITIES.
- LACK OF HIGHER EDUCATION FACILITIES.
- LEADING TO LOWER LITERACY RATES ESPECIALLY IN FEMALES.

## DEMOGRAPHY

POPULATION OF FISHERMEN:

**~ 19,000**

NUMBER OF ACTIVE FISHERMEN:

**~ 9,000**

FISH CATCH:

**21.032** ('000 TONS)

ANNUAL TURNOVER:

**~ 250** CRORES

NUMBER OF VISITORS:

**16** LAKHS +/-YEAR FOR LAST 5 YEARS

NUMBER OF HOTELS:

**67**

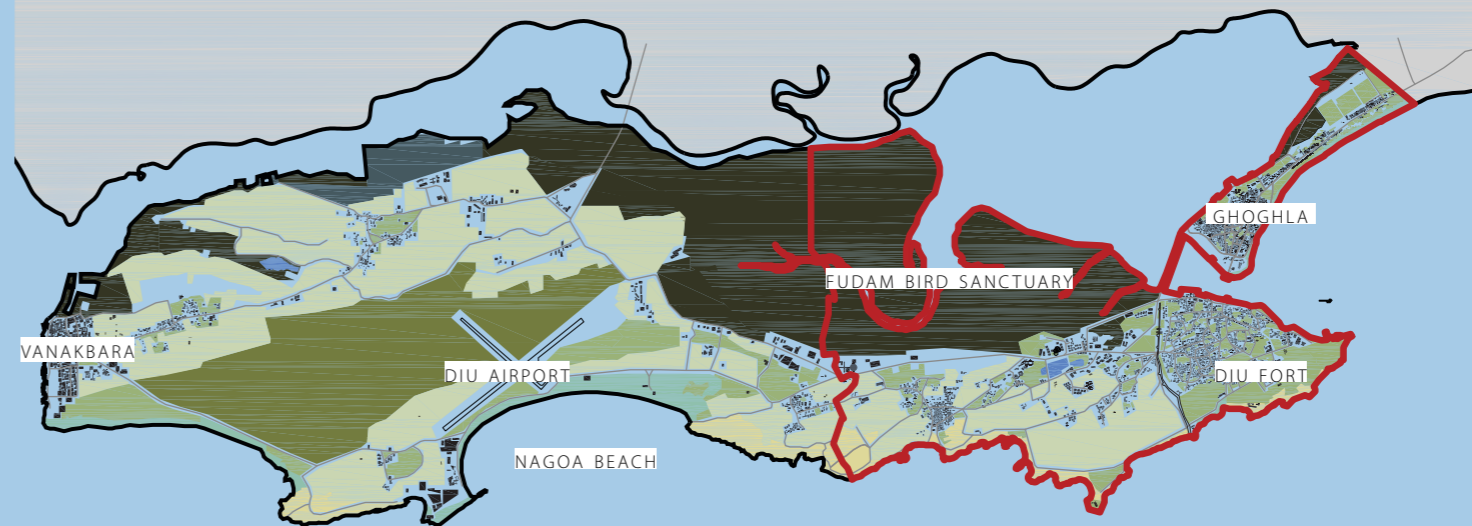
WORKING POPULATION:

**~ 15,750**

(ABOUT 30% OF DIU'S POPULATION)

## ECONOMY

## DIU DISTRICT MAP



### GETTING TO DIU?

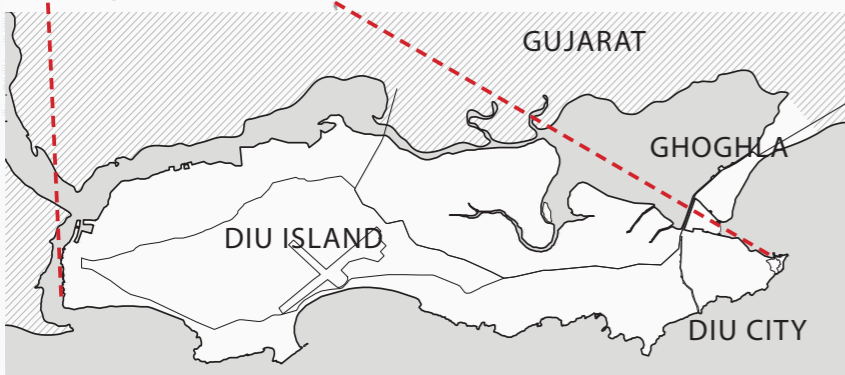
**361** KMS BY ROAD FROM AHMEDABAD

**231** KMS BY ROAD FROM RAJKOT

**200** KMS BY ROAD FROM BHAVNAGAR

**83.5** KMS BY ROAD FROM SOMNATH

**01** HOUR BY AIR FROM MUMBAI



## ABOUT



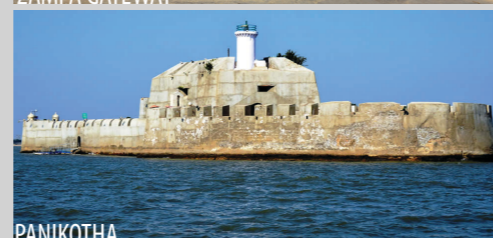
ZAMPA GATEWAY



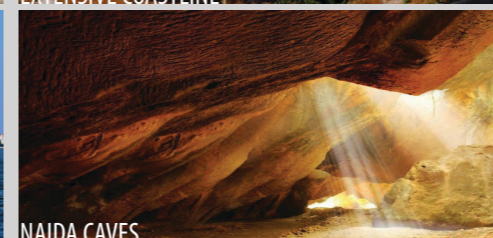
EXTENSIVE COASTLINE



JALLANDHAR BEACH



PANIKOTHA



NAIDA CAVES



DIU MUSEUM

INTACH HERITAGE BUILDINGS TO BE CONSERVED:

**302** NOS.

WATERFRONT LENGTH:

**30** KMS-DIU DISTRICT

**14** KMS-DIU CITY

FOREST AREA:

**516** HA

WETLAND AREA:

**07.42** SQ.KM

## ATTRACTIONS

## TOURISM

## HISTORY

322-220 BC



Mauryan Empire

171 AD-50 BC



Indo-Greek Empire

50 AD-415 AD-467 AD  
470AD-488AD



Khataharatas-Gupta-Maitrakas Dynasties

936 AD



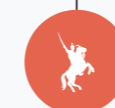
Persian Zoroastrian Migration

1020 AD



Ghazni attacked Chalukya Dynasty

1064 AD-1296 AD



Chalukya and Chavda Dynasty

1297 AD



Allauddin Khilji Rule

1509 AD



Battle of Diu

1535 AD



Construction of Diu Fort, Bahadur Shah concluded defensive alliance with Portuguese

1800 AD



Decline of strategic importance due to development of Bombay

December 1961



DIU INDEPENDENCE

1971

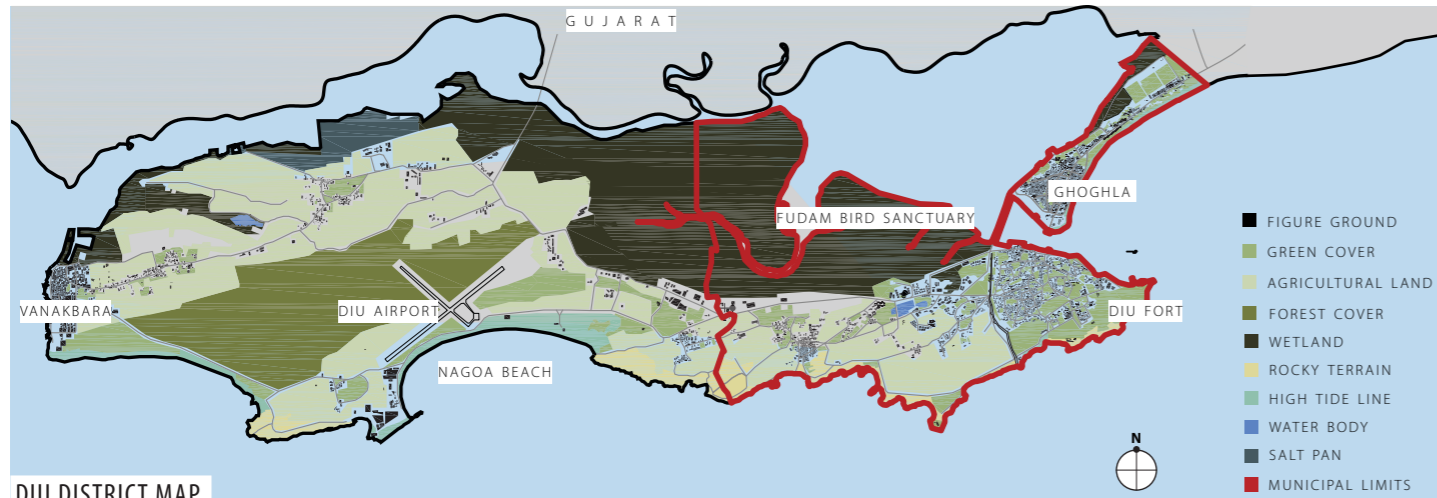


INS Khukri destroyed by Pakistani Submarine

1987



Separation from Goa, formation of the U.T. of Daman & Diu



The City of Diu represents the urban area of the Island of Diu. It covers 3 broad zones - the dense and compact old city areas with its colonial monuments, the fishing community across the creek at Ghoghla, and the dense mangrove covered wetlands.

A long and contiguous coastline strings all these areas and its activities. The Diu-Ghoghla is a key link connecting the mainland with the Island.

DISTRICT FACT FILE

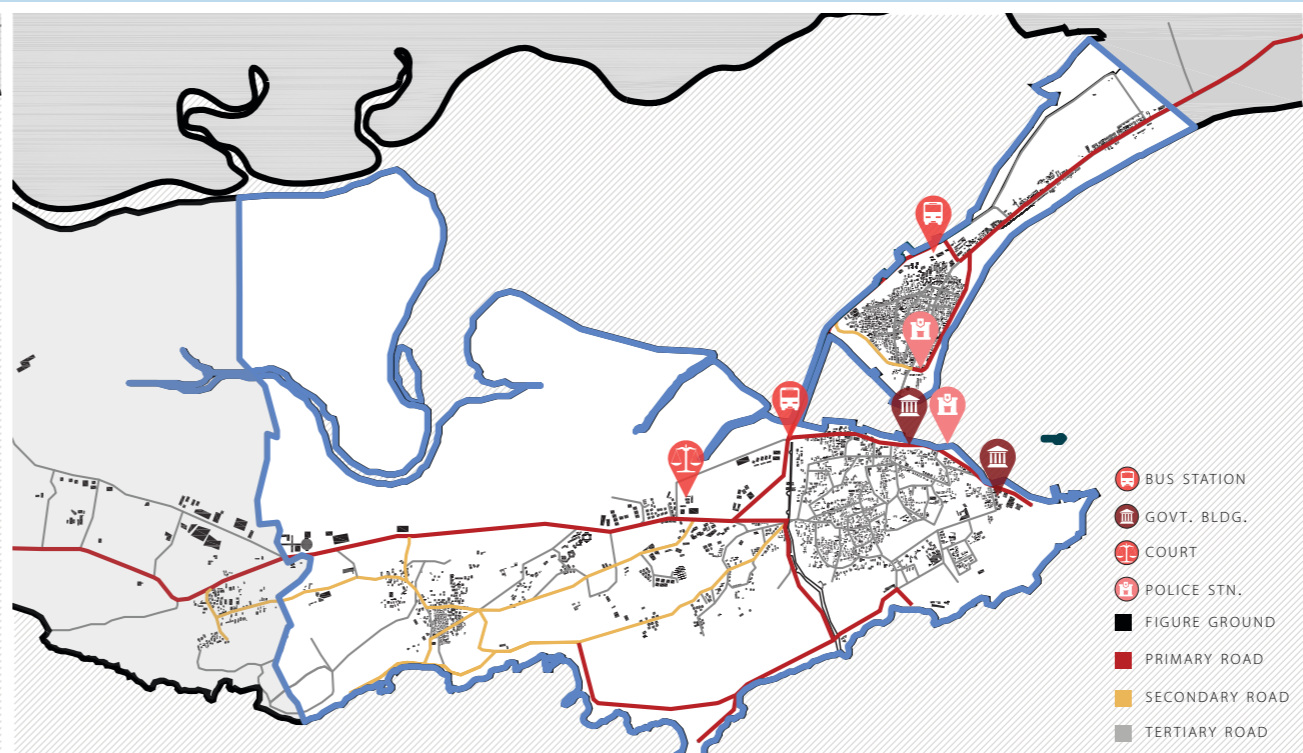
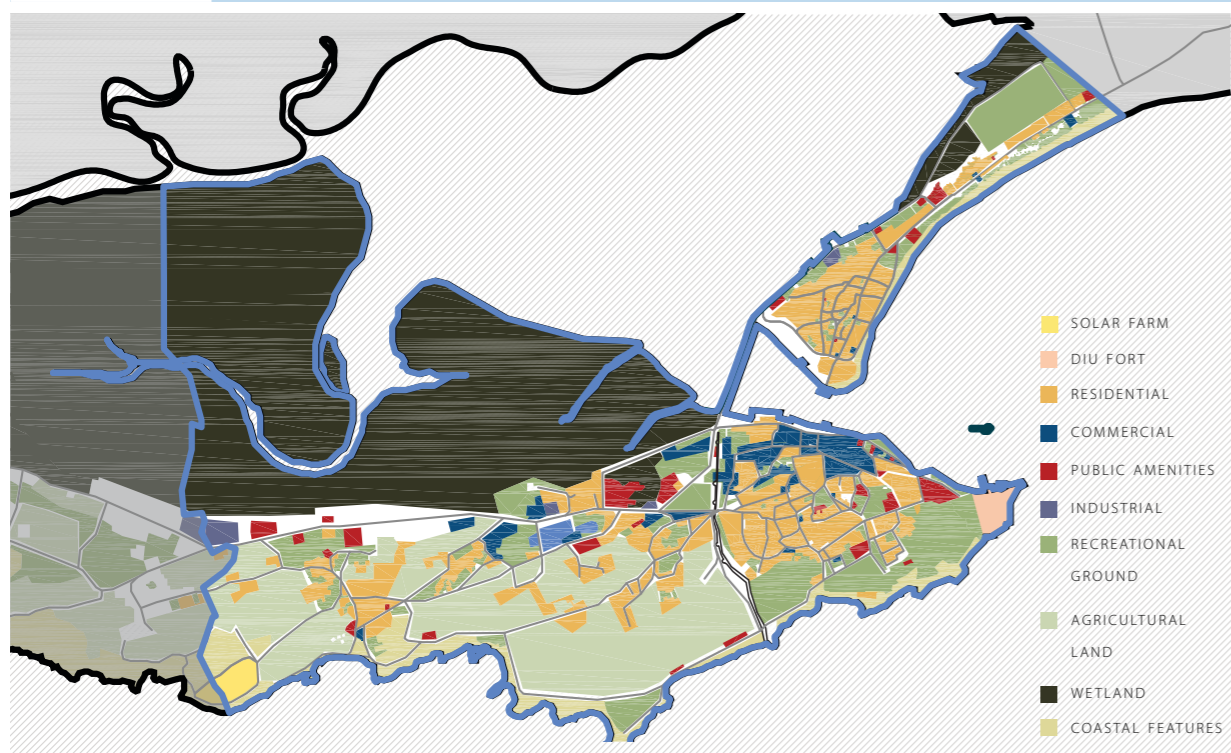
TOTAL AREA: **40 SQ. KM.**  
POPULATION: **52,074** (2011)

URBANISED AREA: **17.6 SQ. KM.**

POPULATION: **23,991** (2011)

NO. OF WARDS ON THE ISLAND: **6**  
NO. OF WARDS IN GHOGHLA: **7**  
NO. OF WARDS IN DIU MUNICIPAL COUNCIL: **13**

A PART OF WARD 9 LIES 20 KMS EAST OF DIU IN A SMALL ARCHIPELAGO CALLED SIMBOR.



**BUILT AND UNBUILT**

5.3% BUILT UP AREA

**ROADS**

30M ROW- 22KM  
25M ROW- 11.5KM  
15M ROW- 8.2KM  
INTERIOR ROADS < 15M

**BUSES**

6 LMV  
1,360 3 WHEELERS  
452 2 WHEELERS  
18,742

**HEALTHCARE INFRASTRUCTURE**

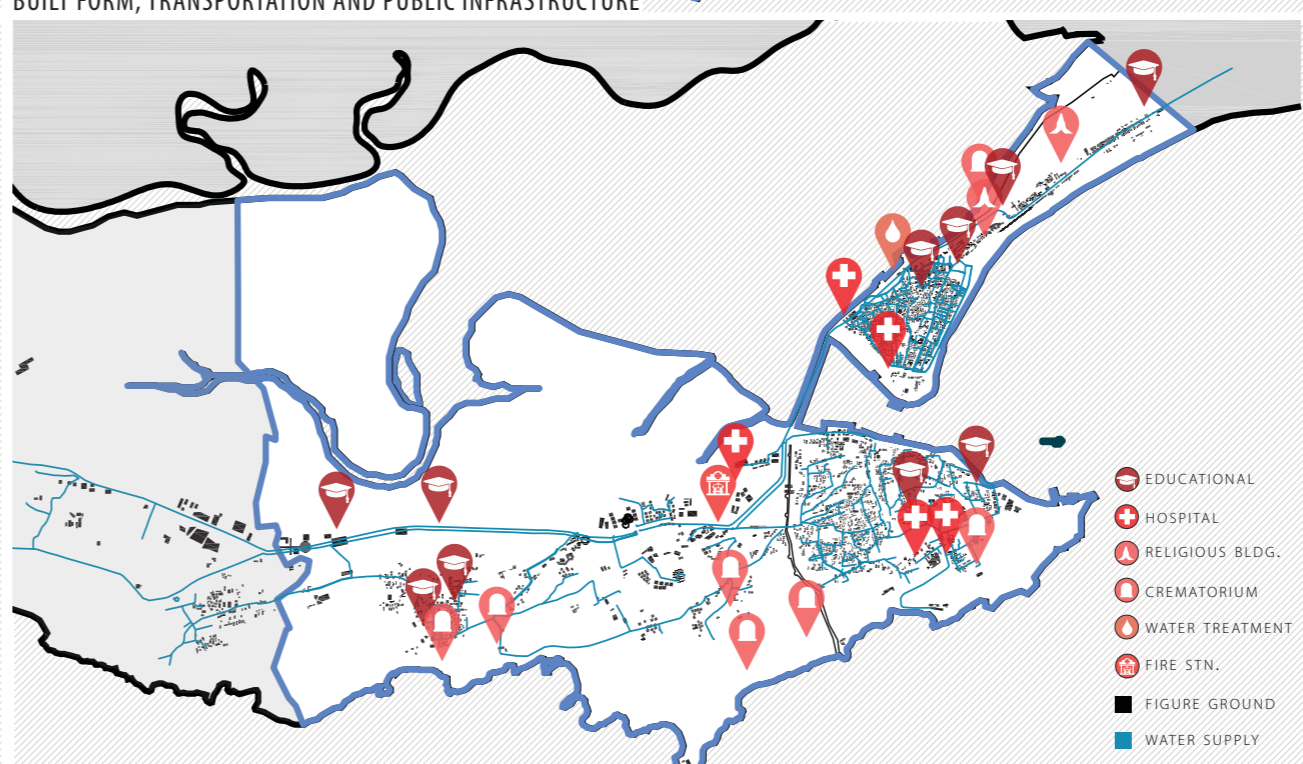
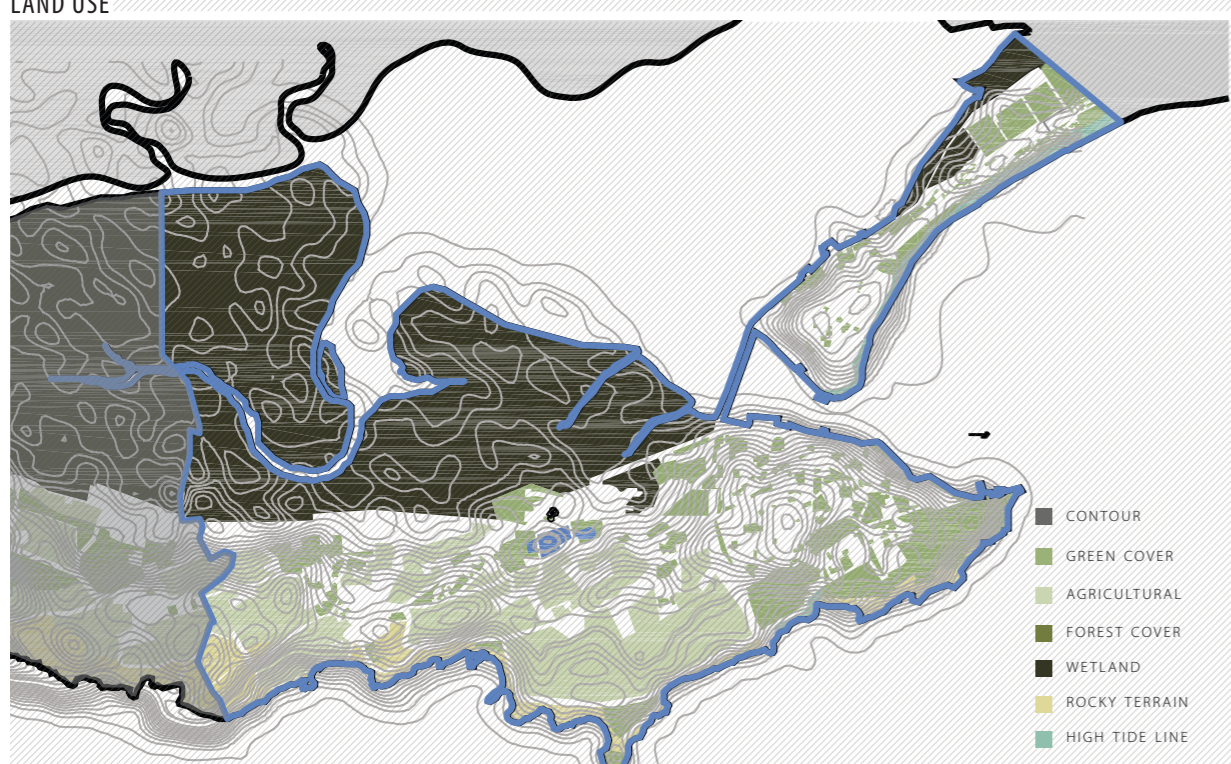
NUMBER OF FACILITIES:

HOSPITAL-1  
DISPENSARY-2  
C.H.C.-1  
P.H.C.-1  
MATERNITY AND CHILD WELFARE CENTRE-1  
SUBCENTRES-6

**EDUCATION**

NUMBER OF SCHOOLS:

PRIMARY AND SECONDARY EDUCATION-16  
HIGHER SECONDARY EDUCATION-6  
UNDERGRADUATE EDUCATION-3  
PRIVATE SCHOOLS-6



**WATER SUPPLY**

SUPPLY: 6.5 MLD

100% COVERAGE    6000 CONNECTIONS

DIU DEPENDS ON GUJARAT FOR WATER SUPPLY (RAWAL DAM AND NARMADA RIVER). DURATION OF WATER SUPPLY HERE IS 30-60 MIN.

**ELECTRICITY DEMAND: 9.5 MW**

SOLAR ENERGY SUPPLY:

9MW FROM SOLAR FARM + 1.3MW FROM SOLAR PANELS ON THE ROOFTOPS OF GOVERNMENT BUILDINGS.

DIU IS ENERGY SURPLUS.

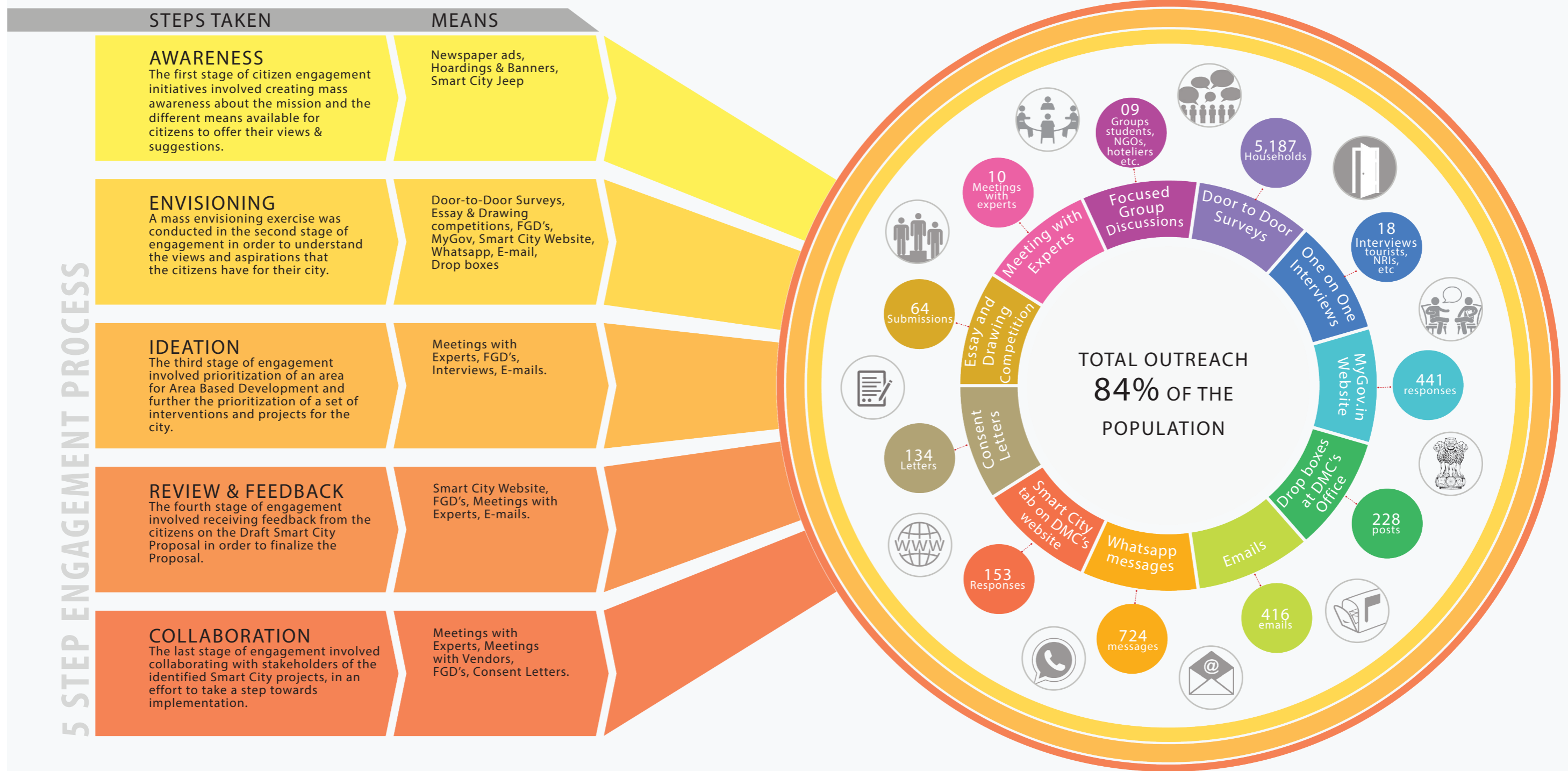
**SOLID WASTE MANAGEMENT**

100% COLLECTION    0% TREATMENT

**PHYSICAL FEATURES**

80% SAND, SILT, LIMESTONE BACKWATERS    20% COVER

The city administration carried out the largest consultative exercise in the history of Diu City to arrive at the vision, goals and projects identified in the SCP. This was made possible through a strategic engagement plan that involved an array of means to reach out to the citizens.



FGDs COUNCILOR'S MEETING



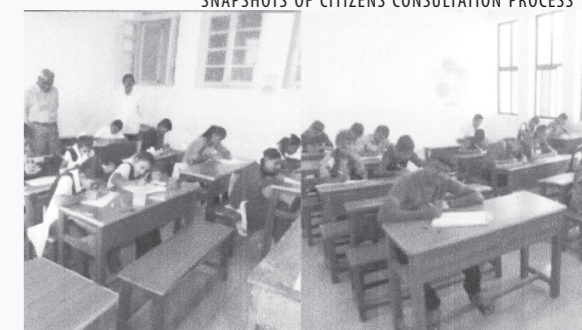
FGDs COUNCILOR'S MEETING



FGDs FISHERMEN'S MEETING



FGDs NGO'S MEETING



SNAPSHOTS OF CITIZENS CONSULTATION PROCESS

ESSAY AND PAINTING COMPETITION



**Avabua Anwar Khan, 65**

Nationality : British (London)  
Reason for Visit: Visiting her home in Diu where she grew up. Has moved to London.

Interest : In search of her Roots

“**INTERNAL CONNECTIVITY** in the city is lacking and moving around becomes difficult. Also **HEALTH** services need to be improved. There are very few doctors in Diu. Naida Caves and other historic spots in should be maintained to improve **TOURIST** experience.”



**POOR INTERNAL CONNECTIVITY**



**POOR SEWERAGE SYSTEM**



**Dinesh & Rajnish, 13**

Nationality : Indian (Diu)  
Reason to be in Diu : Resident of Diu (Students)

“Our **CRICKET GROUND AND OTHER OPEN SPACES** should be maintained well so that we can play without any obstructions. Also, facilities for higher **EDUCATION** should be made available.”



**Rajendra Daya, 48**

Nationality: Indian (Diu)  
Reason for being in Diu: Resident of Diu (President, Fishermen's Boat Association)

“The fishing industry is vital to Diu. Hence, it needs to be made as **SMART** as the city. There should be a seasonal cold storage facility along the jetty for fishermen to store their catch and equipment. We currently have to get diesel from far away which becomes expensive thus, we need a diesel pump close by. As we also work after midnight, there is a need for **LIGHTS ALONG THE JETTY AND STREET LIGHTS ALONG THE CITY.**”



**INADEQUATE FACILITIES FOR FISHERIES**

**NEED FOR UPGRADATION OF PUBLIC TRANSPORT FACILITIES**



**Narendra Baria, 49**

Nationality: Indian (Diu)  
Reason for being in Diu: Resident of Diu (Security Guard)

“There are many junctions in the city like the one next to Jethibai bus station. They should be beautified with fountains, lights and sculptures. This will make the city very attractive. I would also like to add that there should be more public toilets in the city”



**ABSENCE OF A FORMAL MARKET/SHOPPING CENTRE**



**NAIDA CAVES- UNDERDEVELOPED TOURIST DESTINATION**



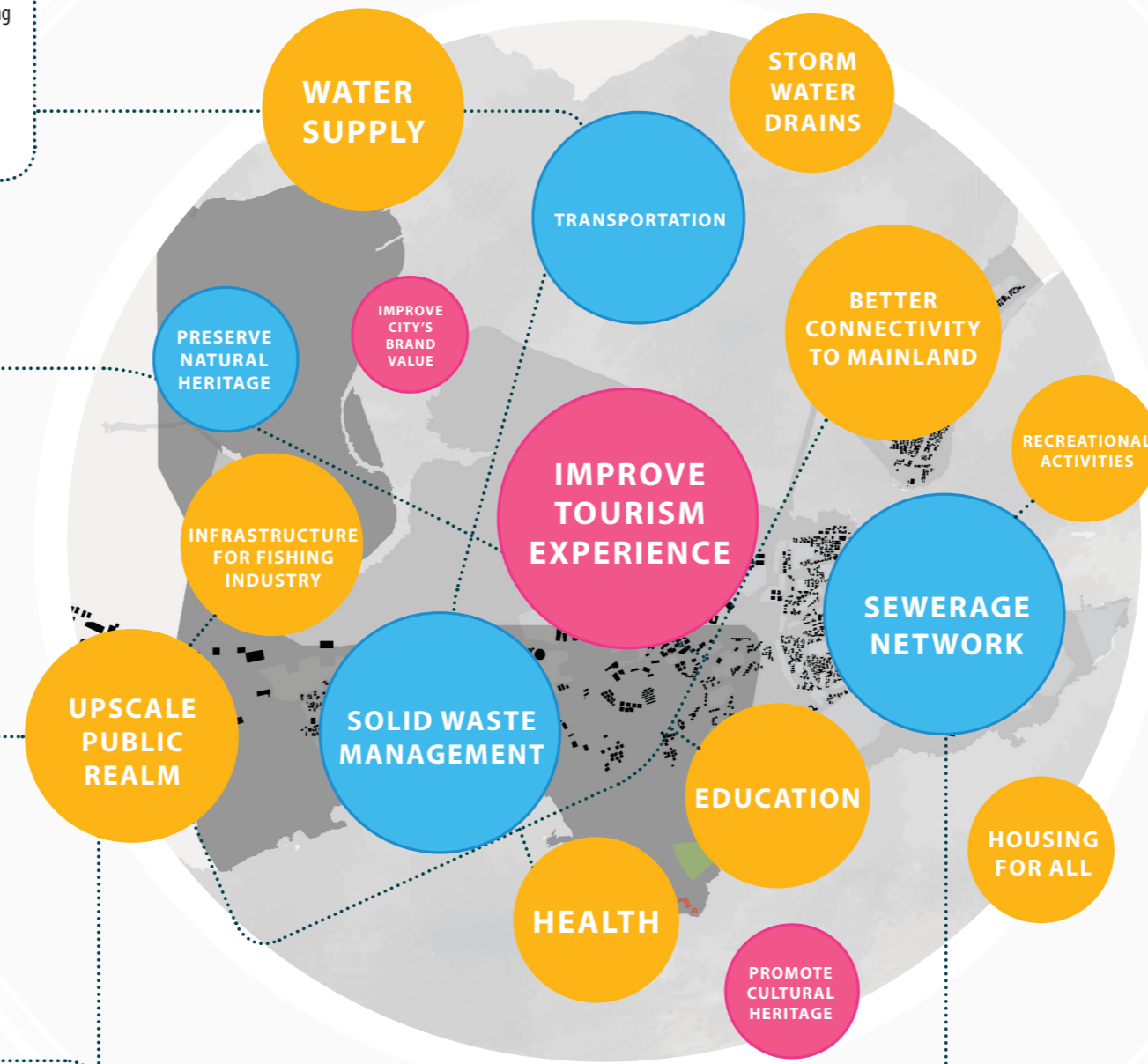
**FEWER PUBLIC SPACES**



**Mohammed Iqbal, 49**

Nationality : Indian (Diu)  
Reason to be in Diu : Resident of Diu (Shopkeeper)

“The **PROMENADE ALONG THE SEA FACE** should be developed for the public to enjoy. A **SEWERAGE SYSTEM** in the city should also be developed.”





**Carlos Martinez, 50**

Nationality: Spanish (Madrid)  
Reason for being in Diu: Tourist

"Diu is an enchanting city, very different from the other cities I have visited in India. It has rich heritage, culture and is naturally gifted. It reminds me of a Caribbean Island. The island isn't very large to cover, so it would be nice to have a bicycle sharing system, so one could travel the city on a bike."



**WETLAND ZONE**



**Sonali Shah, 25**

Nationality : Indian (Ahmedabad)  
Reason for Visit: Tourist

Interest : Nature Enthusiast

"Diu is extremely rich in its natural landscape, and it would be interesting to have an informative interface that tells one about the wetlands and the estuaries. I would love to take a boat ride and watch the migratory birds in the **WETLANDS**."



**OUTER CITY**



**OLD CITY**



**SOUTHERN WATERFRONT**



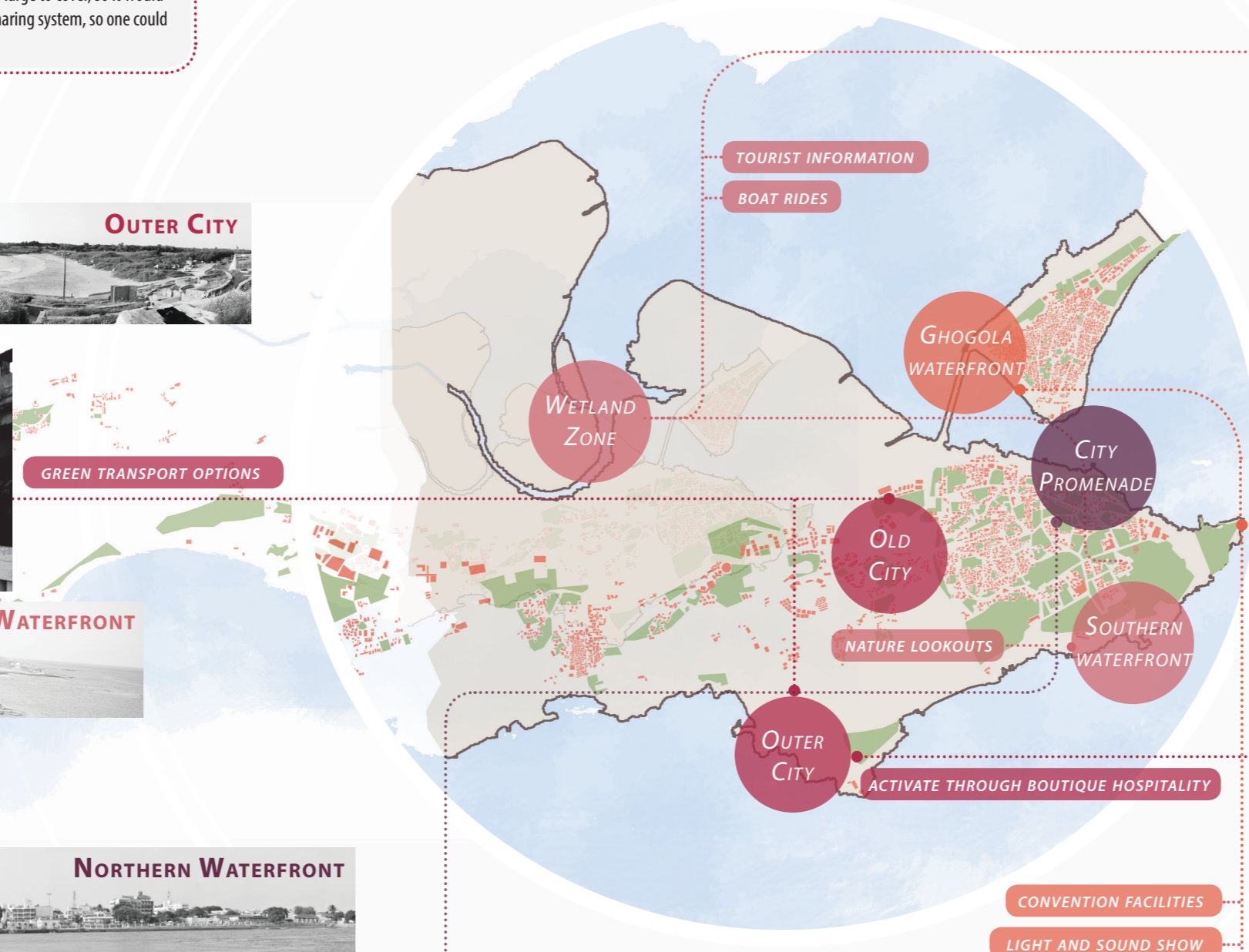
**NORTHERN WATERFRONT**



**GHOGOLA WATERFRONT**



**DIU FORT**



**Mahendra Jadhav, 65**

Nationality : Indian (Diu)  
Occupation : Restaurateur

"The **OLD CITY** of Diu has many heritage buildings, many of which are currently vacant, could be converted to boutique hotels or B&B accommodations, to attract more tourists and make their stay in Diu, interesting."



**Jigisha Prajapati, 40**

Nationality: Indian (Ahmedabad)  
Reason for Visit : Tourist

Interest : Leisure

"The tourists sites are quite picturesque. Though, I have to walk 15 minutes to take my son to the closest restroom. Also I wish there was a play area for children along the **FORT ROAD**. Facilities like benches and loungers should be provided."



**Gaurang Modi, 30**

Nationality: Indian (Ahmedabad)  
Reason for Visit: Tourist

Interest: Cultural Experience

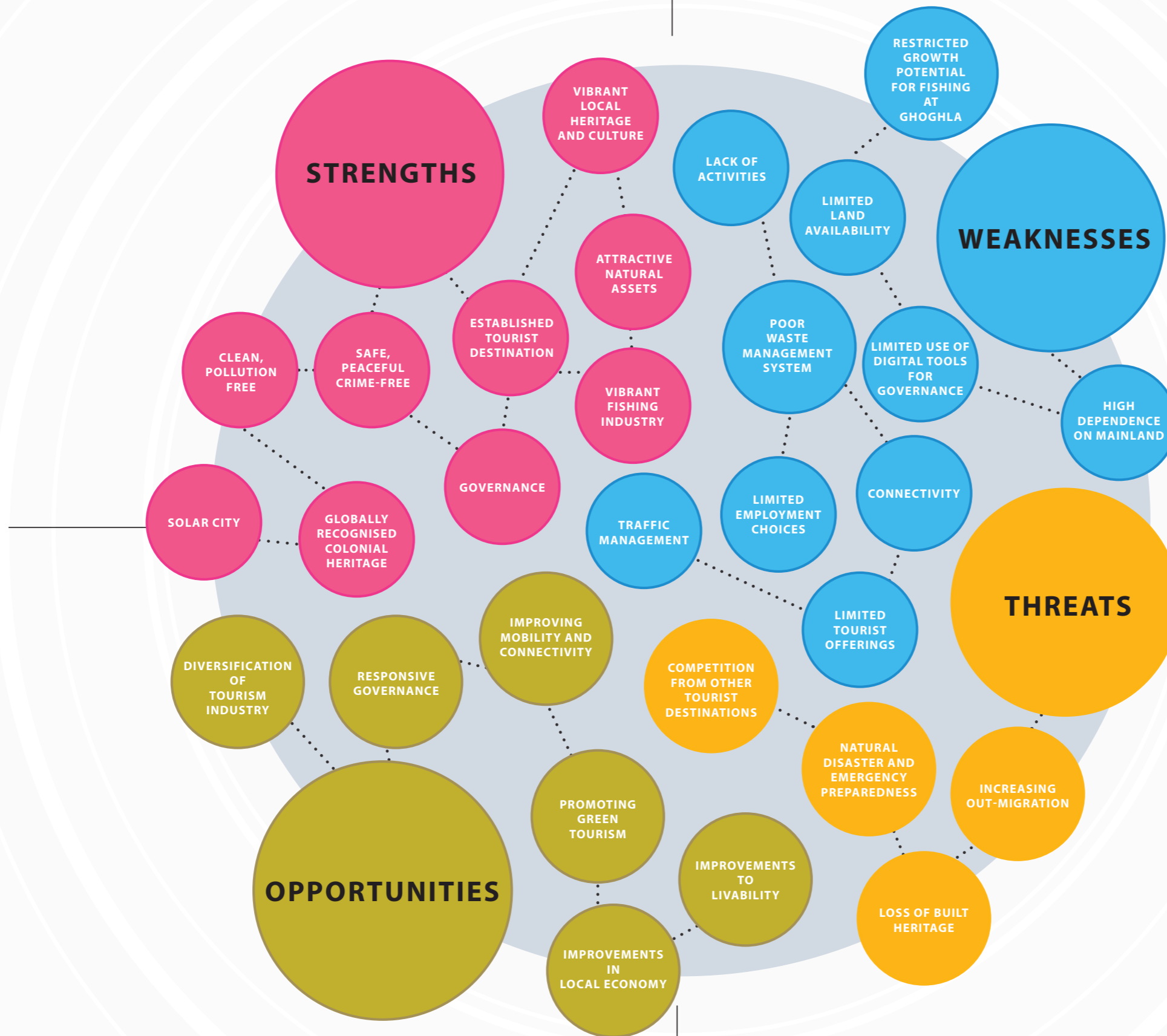
"Every time I visit Somnath Temple, I make sure to visit Diu for a day. I would love to stay longer but the city has limited offerings. A light and sound show at Diu Fort and having a festival/ event over the weekend, might change my mind to stay a bit longer."



**Venus Vyas, 29**

Nationality: Indian (Diu)  
Reason for being in Diu: Resident  
Occupation: Marketing Executive

"My work makes me travel and I attend seminars and discussions, in different parts of the country. Diu has one of the most beautiful settings, very different from the other cities in India. A convention centre at Ghogola, along the beach, would be great."



Diu District is a small island situated on the southern coast of Kathiyavad near the Veraval Port in Gujarat having a total area of 40 sq km, a coastal length of about 30 km, and a population of 52,074. The City of Diu has an area of 17.6 sq km, a coastal length of about 14 km, and a population of 23,991. Diu is at a distance of about 700 kms from Daman, 361 kms from Ahmedabad, and 231 kms from Rajkot. It has air connectivity to Mumbai and an upcoming air connection to Ahmedabad. It is surrounded by Gir-Somnath & Amreli Districts of Gujarat in the North and by the Arabian Sea from other three sides.

Diu is connected to the mainland by two bridges - one near Tad Village & the other near Ghoghla Village. Diu has a rich history, where it was influenced by the Mauryan, Greek, Gupta, Persian and Chalukyan empires. The Battle of Diu brought in 450 years of Portuguese rule on the Island. Since 1987, it is being administered as part of the Union Territory of Daman & Diu. Tourism and fisheries are the 2 main industries. There is a large diaspora of population which is a source of remittance to the Island. Diu is a convenient and well-connected stopover along the tourist circuit of south Saurashtra. Attracted by the clean beaches, the colonial and historic monuments, and the Diu Festival the Island witnessed over 22 lakh visitors in 2015.

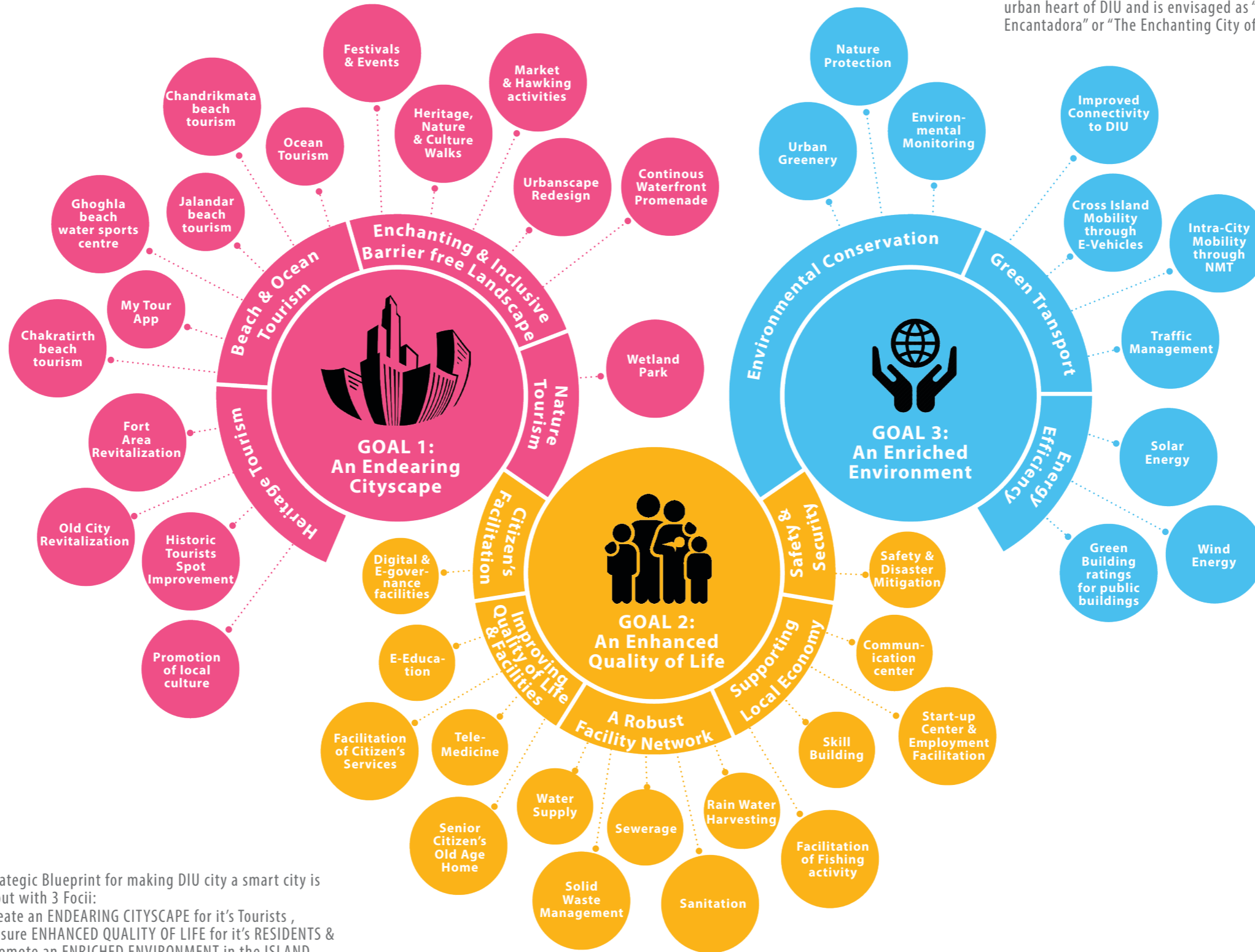


# Diu Cidade Encantadora - The Enchanting City of DIU!

VISION: To Position Diu City as an Enchanting City through Promotion & Diversification of Tourism Industry, Creation of a Vibrant Economy & Society, and Protecting & Enhancing the Environment.

Goal 01: An Endearing Cityscape  
Goal 02: An Enhanced Quality of Life  
Goal 03: An Enriched Environment

The Island of Diu is branded as "Ilha de Calma" or "Island of Peace". Diu City represents the vibrant urban heart of DIU and is envisaged as "Cidade Encantadora" or "The Enchanting City of Diu".



THIS FOCUS TRASLATES INTO THE 1<sup>ST</sup> GOAL I.E. PROMOTION & DIVERSIFICATION OF TOURISM INDUSTRY WHICH PROPOSES VARIOUS THEMES TO IMPROVE THE TOURISM POTENTIAL OF THE CITY. THESE INCLUDE HERITAGE TOURISM IN THE OLD CITY, BEACH AND WATERFRONT AND OCEAN TOURISM AND WETLAND TOURISM.

## 01. An Endearing Cityscape TOURISM

The Strategic Blueprint for making DIU city a smart city is roled-out with 3 Focii:  
- To create an ENDEARING CITYSCAPE for it's Tourists ,  
- To ensure ENHANCED QUALITY OF LIFE for it's RESIDENTS &  
- To Promote an ENRICHED ENVIRONMENT in the ISLAND.

## 02. An Enhanced Quality of Life ECONOMY

THIS FOCUS TRANSLATES INTO THE 2<sup>ND</sup> GOAL I.E. CREATION OF VIBRANT ECONOMY AND SOCIETY.THIS IS ROLLED OUT THROUGH THEMES SUCH AS SUPPORTING LOCAL ECONOMY, AND IMPROVING QUALITY OF LIFE AND CITIZENS FACILITIES, WHICH IN TURN TRANSLATES INTO PROJECTS WHICH IMPROVE THE ECONOMY AND ACCESS TO SOCIAL AMENITIES.

## 03. An Enriched Environment ECOLOGY

THIS FOCUS TRANSLATES INTO THE 3<sup>RD</sup> GOAL I.E. "PROTECTING AND ENHANCING THE ENVIRONMENT" AND TRANSLATES INTO THEMES WHICH PROPOSE A GREEN AND SUSTAINABLE GROWTH AGENDA FOR THE ISLAND OF DIU.

The ABD projects are spread across three zones of Diu: The Old City area, Ghoghla and the Wetlands. They cover 3 goals of Economy, Society & Environment.

(Area: 930 Acres // Population: 18,225)

## HERITAGE TOURISM

### A OLD CITY REVITALISATION

#### 1 REUSE OF GOVT. OWNED BUILDINGS

Pani Kotha >> Sea Shell Museum + High-end Restaurant // Residence (Laxmi Park) >> Library & Senior Citizens Centre // Hotel Pensao Beira Mar >> Heritage Hotel // Old DMC office >> Boutique Hotel // Diu Museum >> City Museum // Bunder Chowk >> Swap food court with Pay & Park

#### 2 CONSERVATION AND RESTORATION OF PRIVATELY OWNED BUILDINGS OF ARCHITECTURAL INTEREST

#### 3 URBAN DESIGN AND RESTORATION

### B

#### 4 DEVELOPMENT OF PUBLIC PLAZA OUTSIDE DIU FORT

#### 5 DEVELOPMENT OF PUBLIC PLAZA OUTSIDE NAIDA CAVES

#### 6 IMPROVEMENT TO HERITAGE WALKWAY

#### 7 DEVELOPMENT OF MULTIFACILITY UNITS

## WATERFRONT TOURISM

### C CONTINUOUS COASTAL PROMENADE

#### 8 GHOGHLA BEACH AS A COASTAL PARK

#### 9 DIU-GHOGHLA BRIDGE PARK

#### 10 FORT ROAD COASTAL PARK

#### 11 SCULPTURE PARK AND WALKING/CYCLING TRAIL ALONG THE SOUTHERN EDGE OF THE FORT, JALLANDER, CHANDRIKAMATA AND CHAKRATIRTH BEACHES

#### 12 ADVENTURE SPORTS CENTRE

#### 13 BOAT BUILDING EXHIBITION

#### 13.1 AQUARIUM

### D OPERATION OF VARIOUS OCEAN TRIPS

#### 14 OPERATION OF THE DOLPHIN SIGHTING TOURS

#### 15 MANAGEMENT OF "FISHING EXPERIENCE" PROGRAMME

#### 16 PICNIC SPOT AND WATERSPORTS CENTRE AT SIMBOR

#### 17 WATER TAXI SHUTTLE SERVICE FROM BUNDER JETTY TO PANIKOTHA

#### 18 DEVELOPMENT OF A FLOATEL

#### 19 WATER TAXI/CATAMARAN ROUND ISLAND CRUISE CIRCUIT

## SUPPORTING LOCAL ECONOMY

### A OUTBOUND CENTRE AND CONVENTION CENTRE

### B UPGRADING PADMA BHUSHAN SPORTS COMPLEX

### C FISH PROCESSING, STORAGE AND COMMUNITY CENTRE

### D SKILL DEVELOPMENT CENTRE AND INCUBATION CENTRE

## IMPROVING QUALITY OF LIFE

### E MULTIFACILITY CENTRE (LIBRARY)

### F OLD AGE HOME

### G WATER SUPPLY (REVAMPING 50 KM NETWORK)

### H SEWERAGE NETWORK

### I SOLID WASTE MANAGEMENT

## GREEN TRANSPORT

### A IMPROVED CONNECTIVITY TO DIU

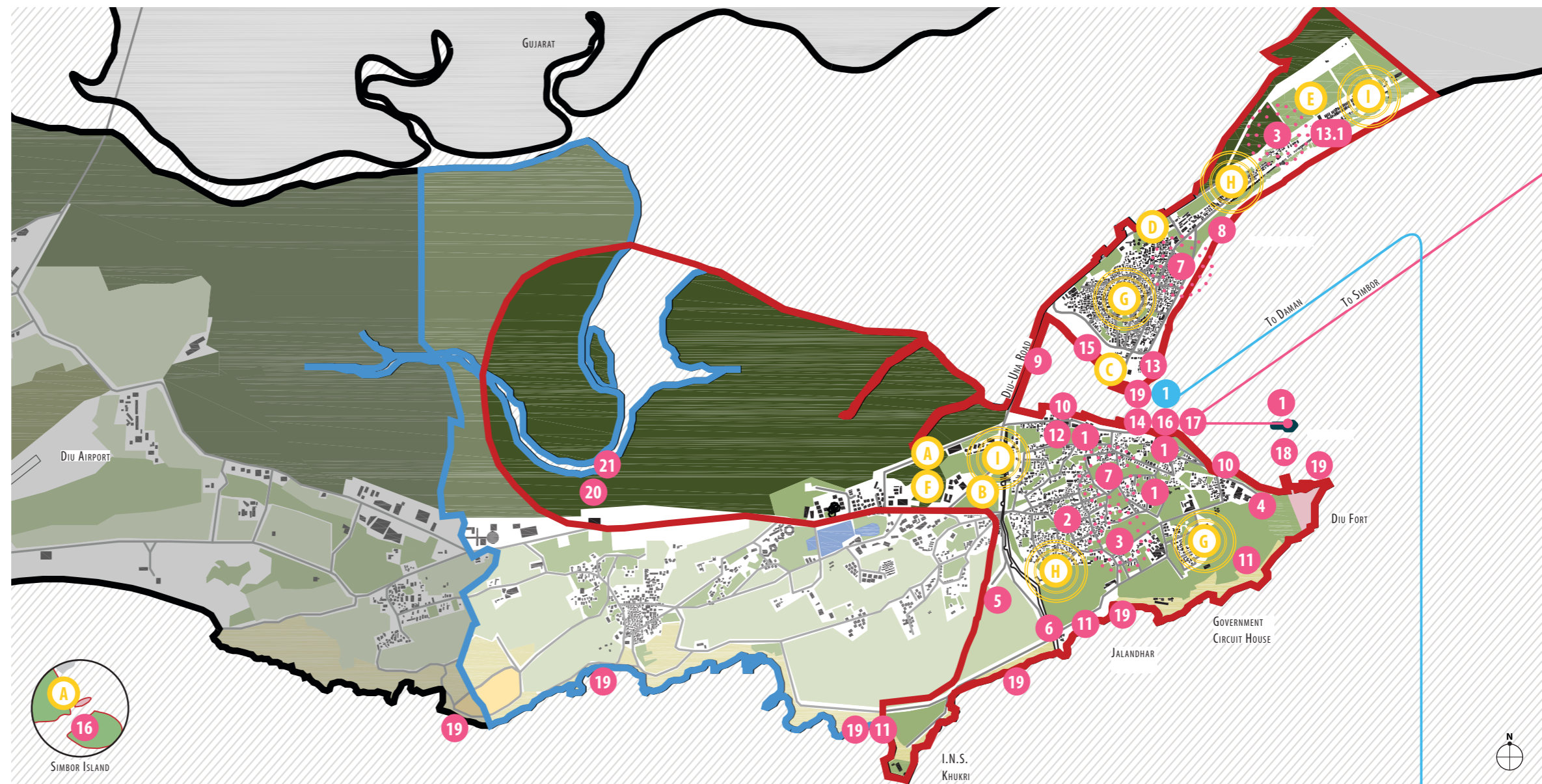
#### 1 WATER CONNECTIVITY (DIU DAMAN FERRY SERVICES)

#### 2 SEA PLANE SERVICES

### B CROSS ISLAND

### C INTRA CITY

## ENVIRONMENT CONSERVATION

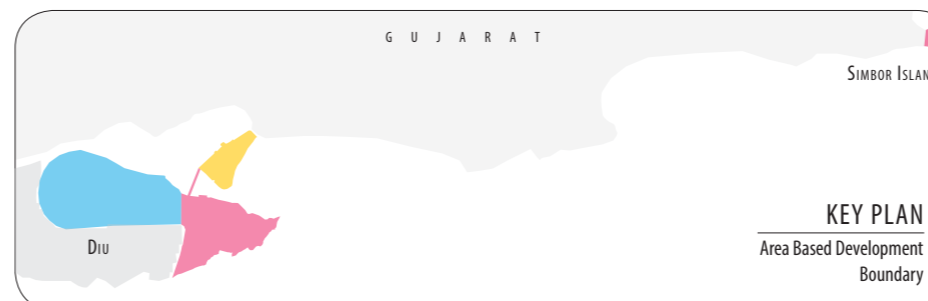


## E WETLAND TOURISM

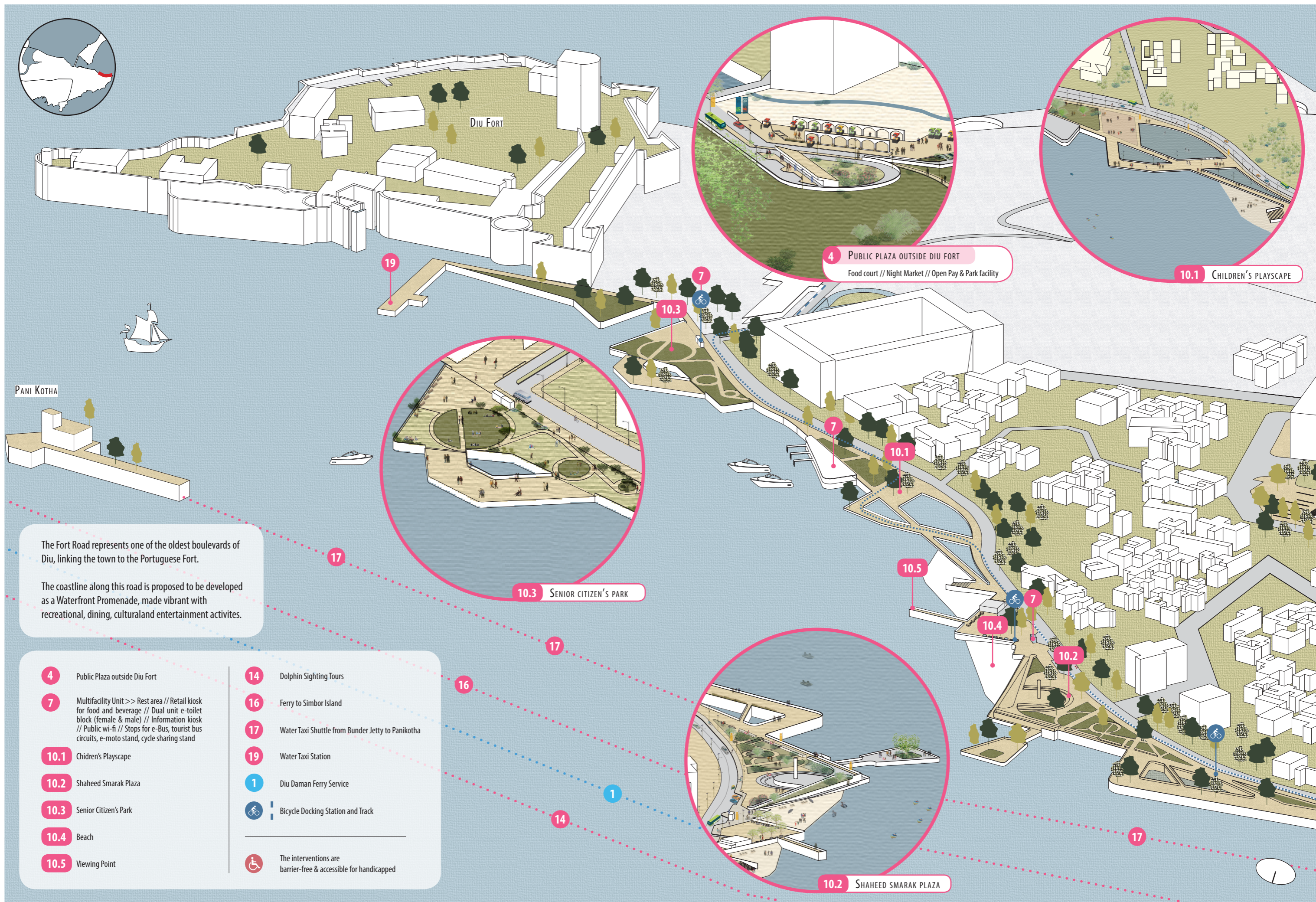
#### 20 VISITOR'S CENTER AT THE FUDAM BIRD SANCTUARY

#### 21 BOARD WALKS & BOAT SAFARI ALONG MANGROVE HABITAT

As Diu city is built-out with several parts under environmental conservation zones, there is limited developable land available. Thus, a retrofitting approach has been adopted.



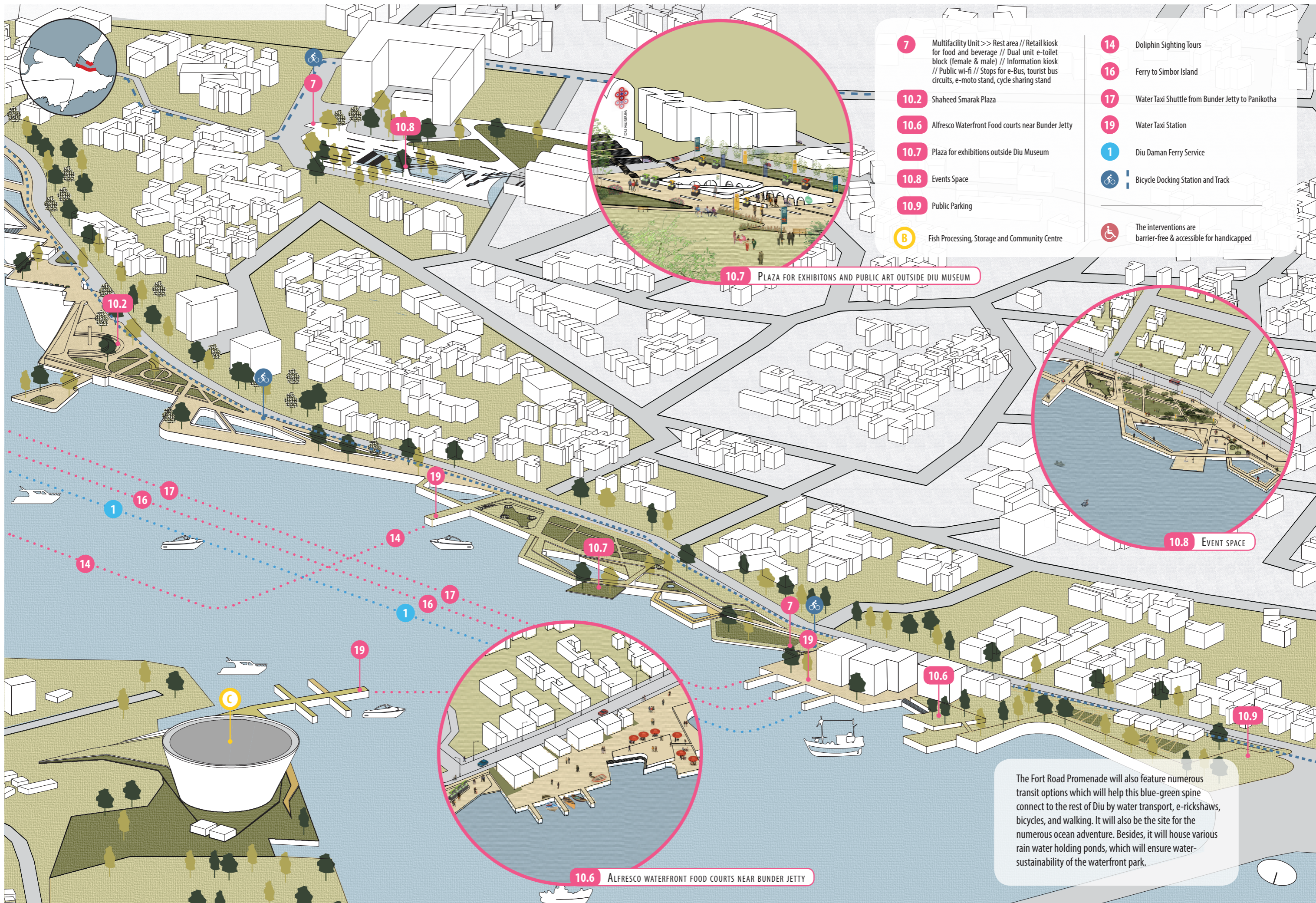
- PROMOTION & DIVERSIFICATION OF TOURISM
- CREATION OF A VIBRANT ECONOMY & SOCIETY
- PROTECTING AND ENHANCING THE ENVIRONMENT



The Fort Road represents one of the oldest boulevards of Diu, linking the town to the Portuguese Fort.

The coastline along this road is proposed to be developed as a Waterfront Promenade, made vibrant with recreational, dining, cultural and entertainment activities.

- 4** Public Plaza outside Diu Fort
- 7** Multifacility Unit >>> Rest area // Retail kiosk for food and beverage // Dual unit e-toilet block (female & male) // Information kiosk // Public wi-fi // Stops for e-Bus, tourist bus circuits, e-moto stand, cycle sharing stand
- 10.1** Children's Playscape
- 10.2** Shaheed Smarak Plaza
- 10.3** Senior Citizen's Park
- 10.4** Beach
- 10.5** Viewing Point
- 14** Dolphin Sighting Tours
- 16** Ferry to Simbor Island
- 17** Water Taxi Shuttle from Bunder Jetty to Panikotha
- 19** Water Taxi Station
- 1** Diu Daman Ferry Service
- Bicycle Docking Station and Track
- The interventions are barrier-free & accessible for handicapped



- 7** Multifacility Unit >> Rest area // Retail kiosk for food and beverage // Dual unit e-toilet block (female & male) // Information kiosk // Public wi-fi // Stops for e-Bus, tourist bus circuits, e-moto stand, cycle sharing stand
- 10.2** Shaheed Smarak Plaza
- 10.6** Alfresco Waterfront Food courts near Bunder Jetty
- 10.7** Plaza for exhibitions outside Diu Museum
- 10.8** Events Space
- 10.9** Public Parking
- B** Fish Processing, Storage and Community Centre

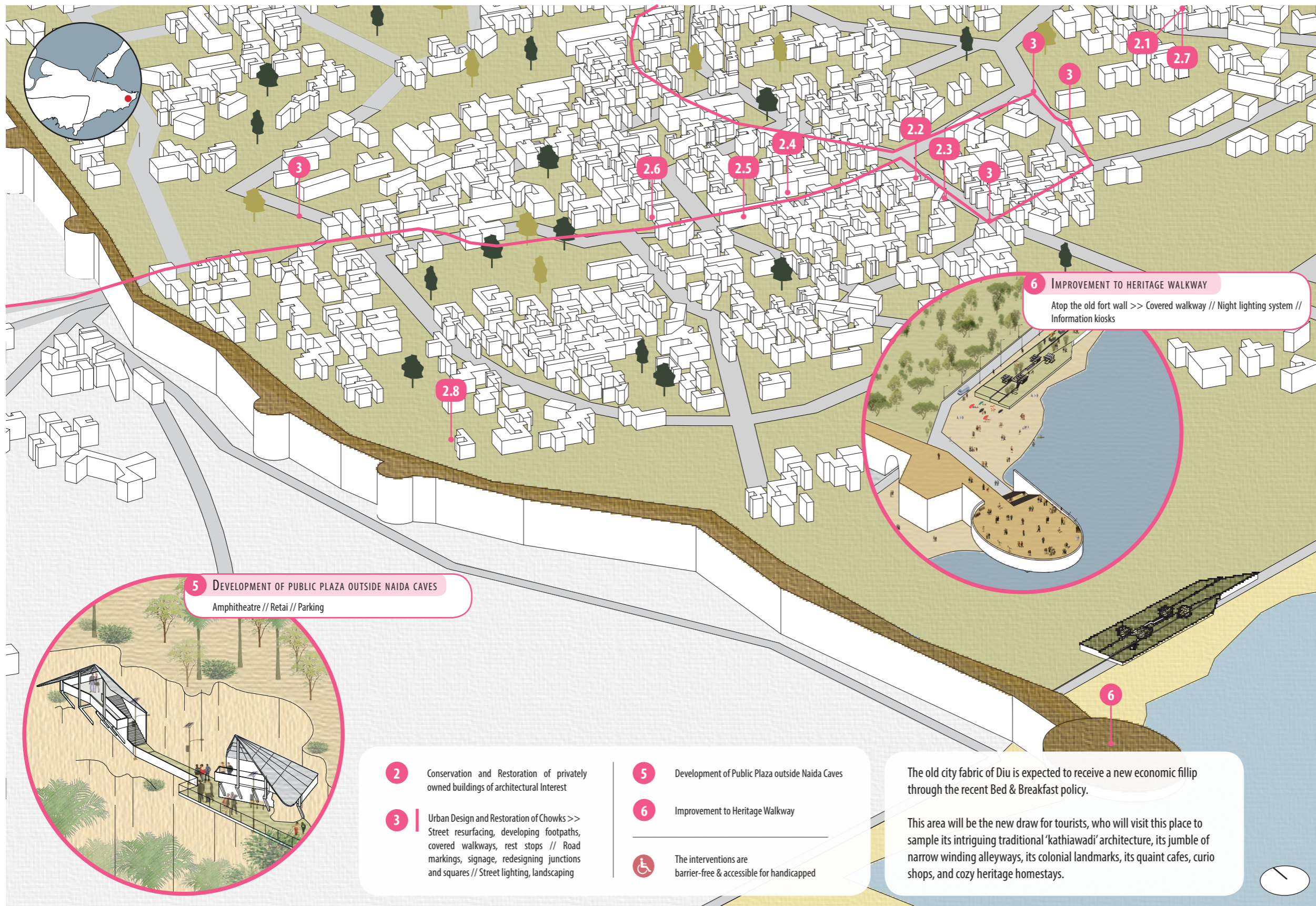
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- 19** Water Taxi Station
- 1** Diu Daman Ferry Service
- Bicycle Docking Station and Track
- The interventions are barrier-free & accessible for handicapped

**10.7** PLAZA FOR EXHIBITONS AND PUBLIC ART OUTSIDE DIU MUSEUM

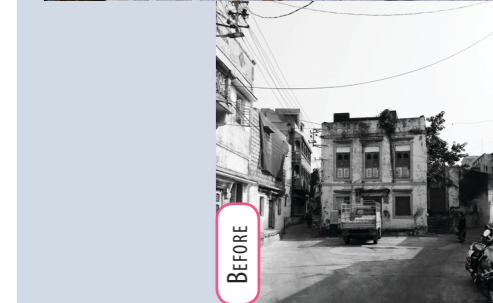
**10.8** EVENT SPACE

**10.6** ALFRESCO WATERFRONT FOOD COURTS NEAR BUNDER JETTY

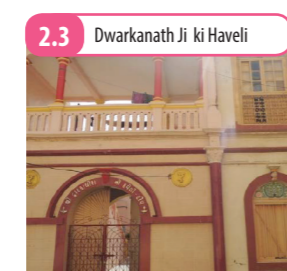
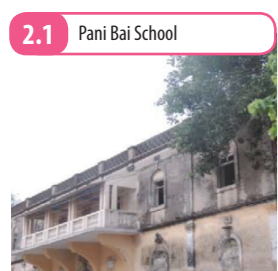
The Fort Road Promenade will also feature numerous transit options which will help this blue-green spine connect to the rest of Diu by water transport, e-rickshaws, bicycles, and walking. It will also be the site for the numerous ocean adventure. Besides, it will house various rain water holding ponds, which will ensure water-sustainability of the waterfront park.

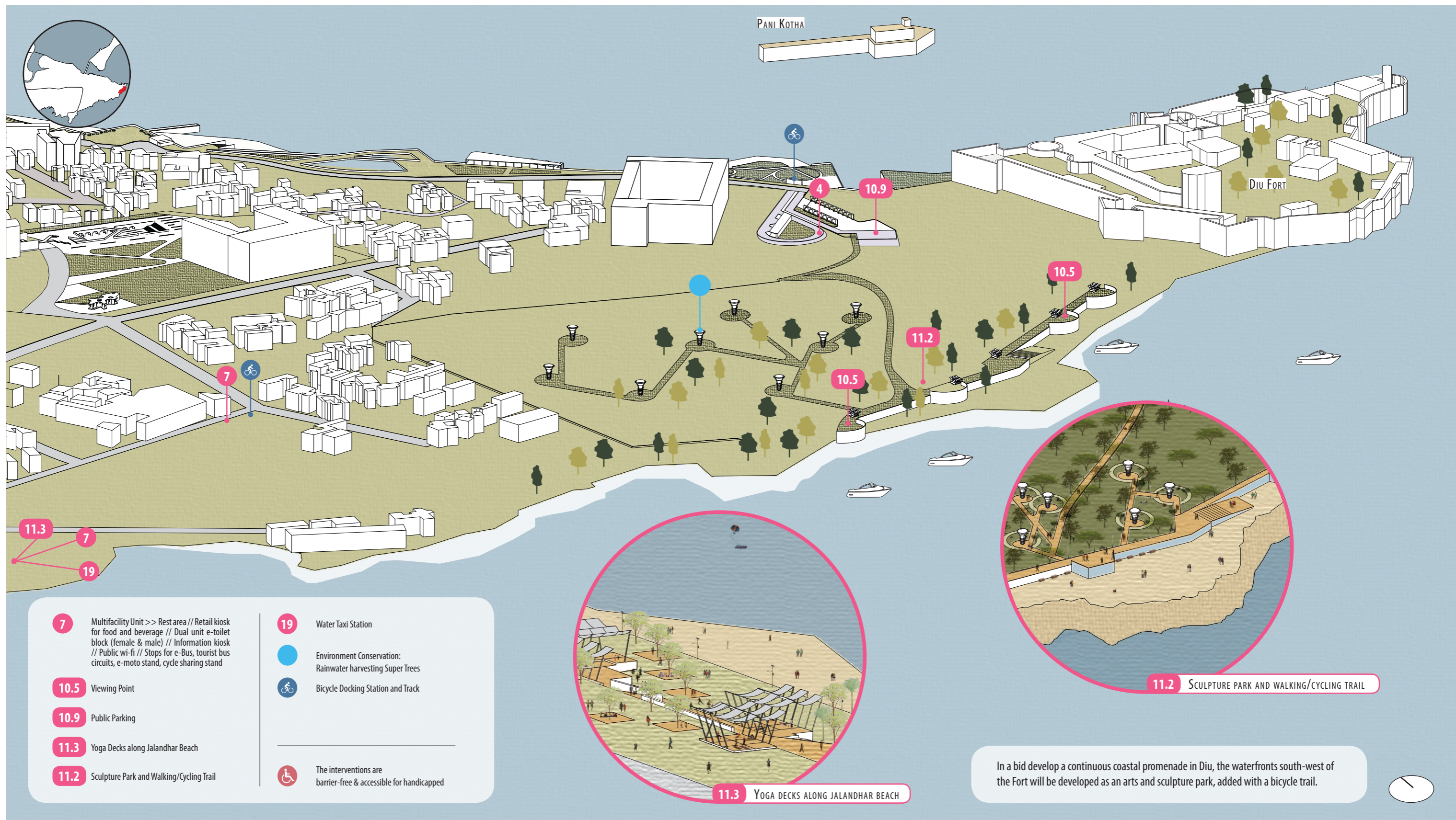


**3 URBAN DESIGN AND RESTORATION OF CHOWKS**



**2 CONSERVATION AND RESTORATION OF PRIVATELY OWNED BUILDINGS OF ARCHITECTURAL INTEREST**





**7** Multifacility Unit >> Rest area // Retail kiosk for food and beverage // Dual unit e-toilet block (female & male) // Information kiosk // Public wi-fi // Stops for e-Bus, tourist bus circuits, e-moto stand, cycle sharing stand

**10.5** Viewing Point

**10.9** Public Parking

**11.3** Yoga Decks along Jalandhar Beach

**11.2** Sculpture Park and Walking/Cycling Trail

**19** Water Taxi Station

**Environment Conservation:**  
Rainwater harvesting Super Trees

**Bicycle Docking Station and Track**

**Accessibility:**  
The interventions are barrier-free & accessible for handicapped

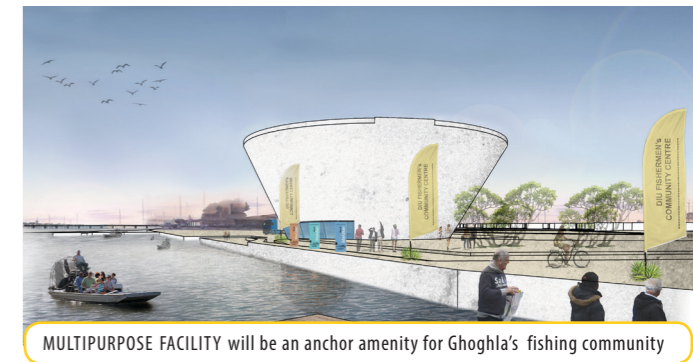
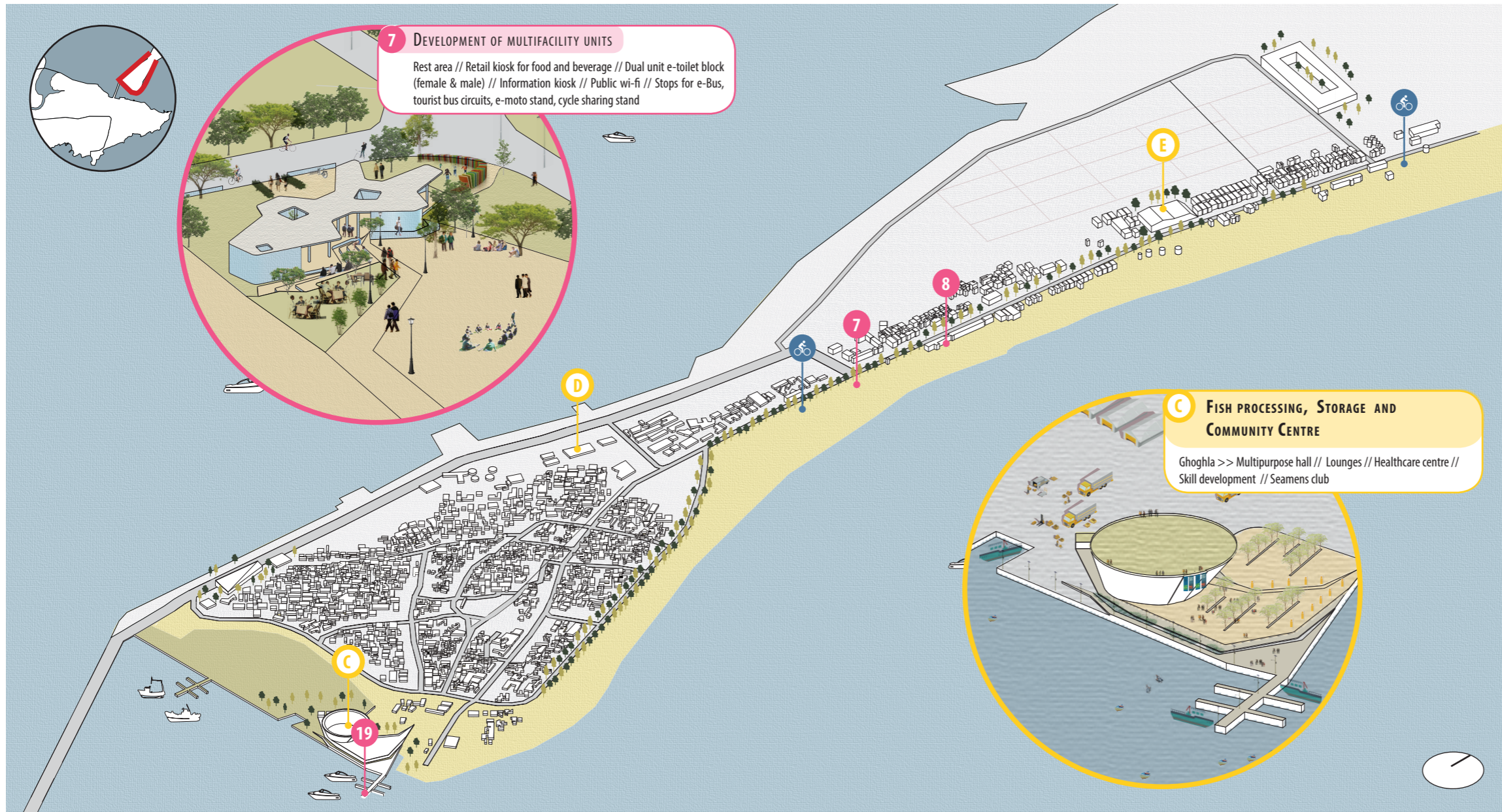
**11.3** YOGA DECKS ALONG JALANDHAR BEACH

**11.2** SCULPTURE PARK AND WALKING/CYCLING TRAIL

In a bid develop a continuous coastal promenade in Diu, the waterfronts south-west of the Fort will be developed as an arts and sculpture park, added with a bicycle trail.



**11** SCULPTURE PARK AND WALKING/CYCLING TRAIL ALONG THE SOUTHERN EDGE OF DIU



The Ghoghla area will receive a new lease of life. Activities such as dredging of the water channel, development of a cold storage and fish processing, creation of a community and welfare centre, etc. will benefit the fishing community.

Development of the Ghoghla beach into an attractive water sports centre and a beach front promenade, will present new recreational venues to the visitors in Diu.

**7** Multifacility Unit >> Rest area // Retail kiosk for food and beverage // Dual unit e-toilet block (female & male) // Information kiosk // Public wi-fi // Stops for e-Bus, tourist bus circuits, e-moto stand, cycle sharing stand

**8** Ghoghla Beach Coastal Park >> Rest area // Retail kiosk for food and beverage // Dual unit e-toilet block (female & male) // Information kiosk // Public wi-fi // Stops for e-Bus, tourist bus circuits, e-moto stand, cycle sharing stand

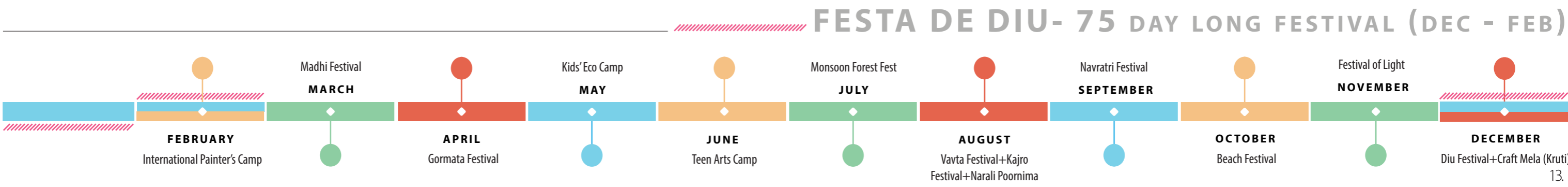
**D** Skill Development and Incubation Centre >> Shared office spaces, common conferencing centre, auditorium // Classrooms workshops, research and development spaces // Canteen and other ancillary uses

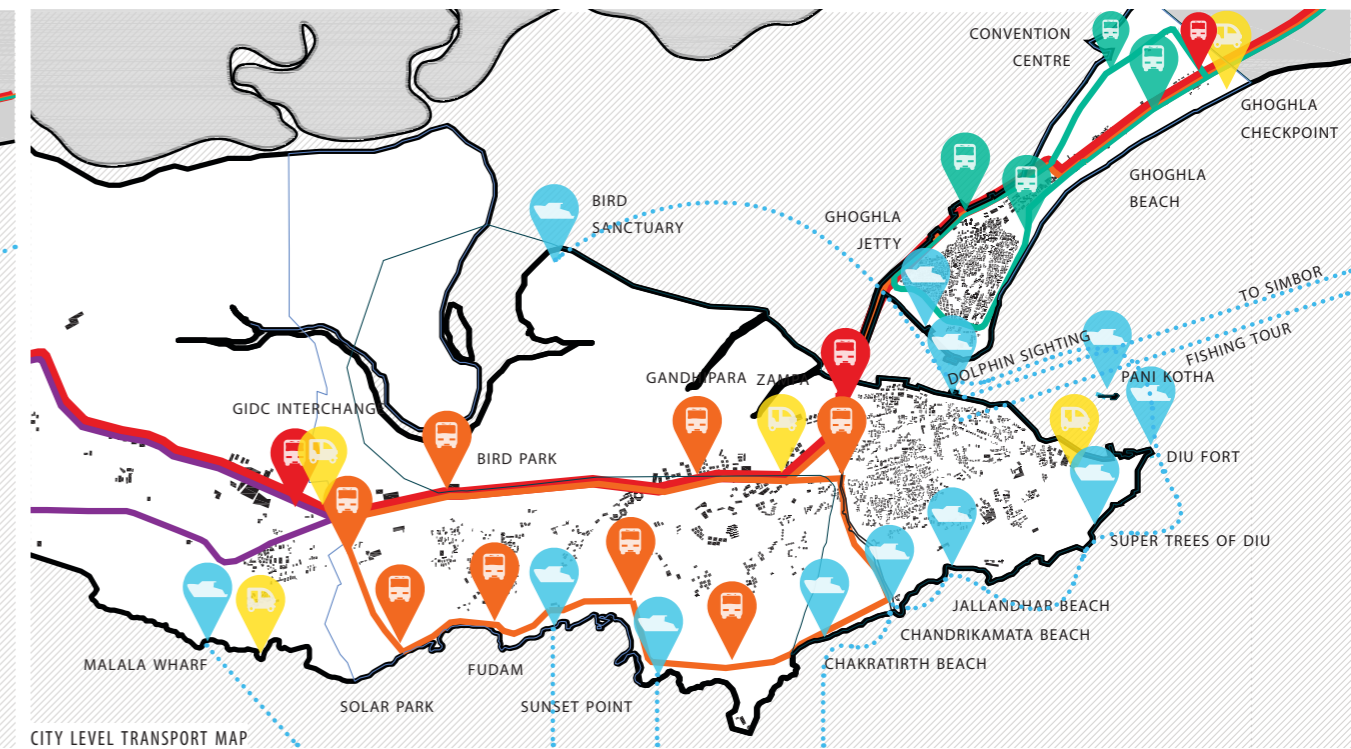
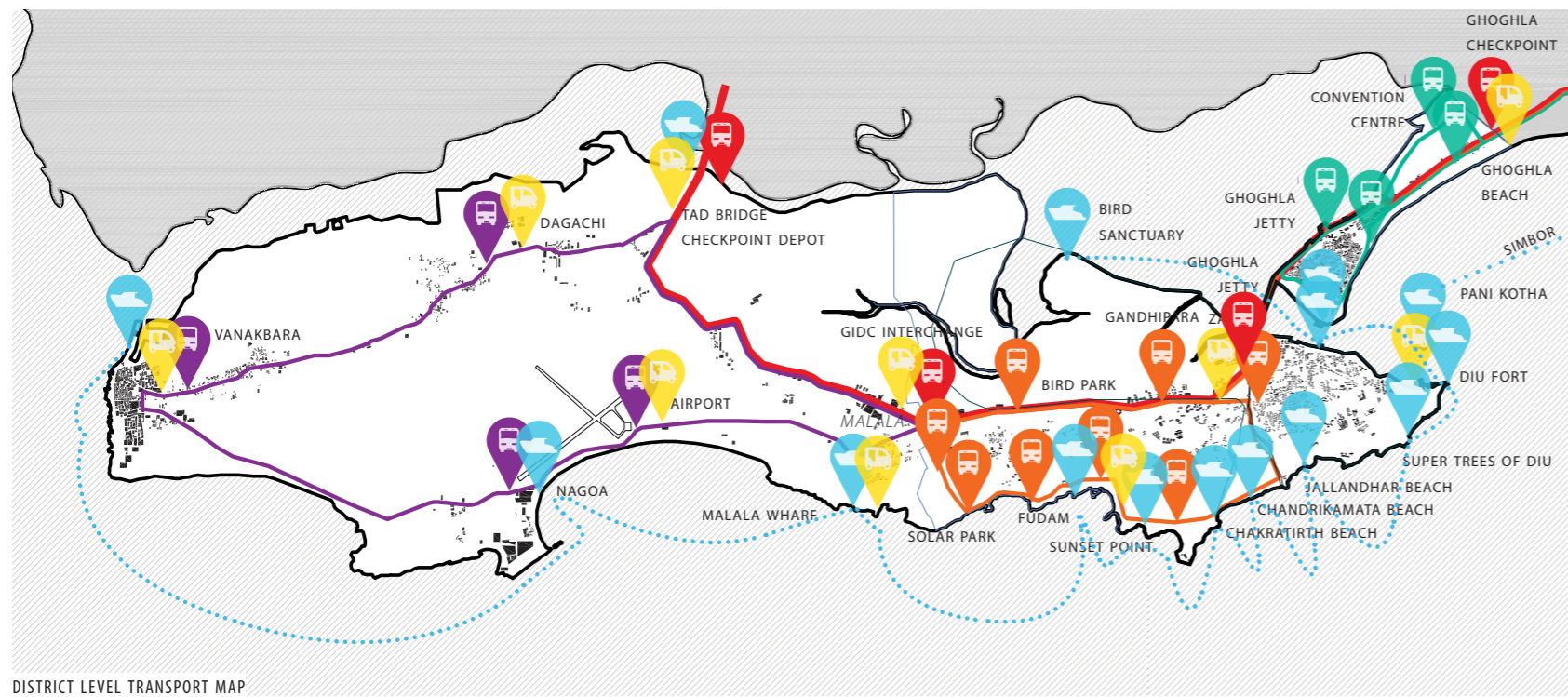
**C** Fish Processing, Storage and Community Centre

**E** Multifacility Centre

Bicycle Docking Station and Track

The interventions are barrier-free & accessible for handicapped



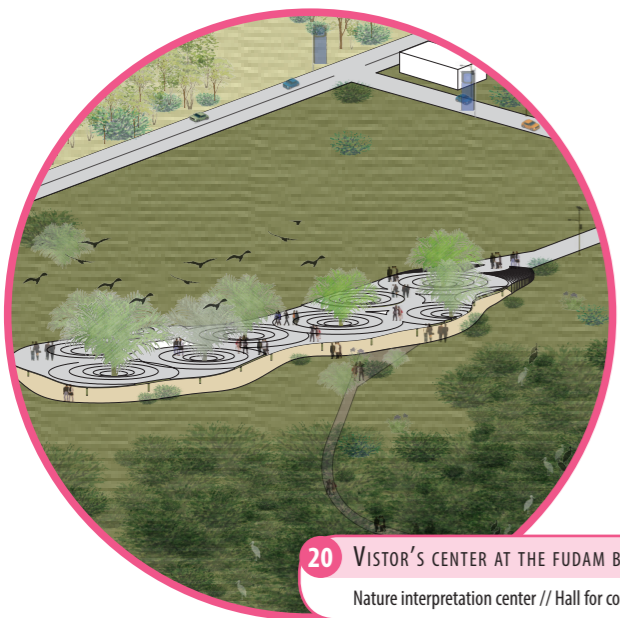


The unique environmental features of Diu are the fundamental elements which make Diu an attractive tourist spot.

The fragile ecosystem of Diu is proposed to be preserved by various green measures such as - a reliance on pollution free electric vehicles & water based commute for public transit, development of a wetland & bird trail at Fudam, protecting the coastline through shore protection measures, promotion of rain water harvesting, and increasing the green cover in the City.

- Intercity Bus Route
- E-Bus Line 01: Tab-Bridge-Nagoa-Vanakbara
- E-Bus Line 02: Ghoghla- Jethibhai-Fudam-Malala
- E-Bus Line 03: Ghoghla Circuit
- ⋯ Round Island Tourist Water Taxi Route
- 📍 Bus Terminus/ Interchange (4 in nos.)
- 📍 Bus Stop with integrated rest stop
- 📍 Tourist Water Taxi (including Dolphin Sighting Tours, Fishing tour point and Ferry to Simbor island)
- 📍 E-Rikshaw Stand

- 20 Visitor's Centre at Fudam Bird Sanctuary
- 21 Board Walks and guided Boat Safari
- 🌿 Shore and Wetland Protection
- 🌳 Urban Greenery
- 🏠 Air Quality Monitoring
- 🔊 Noise Levels Monitoring
- 💧 Water Quality Monitoring
- 🌳 Rainwater harvesting Super Trees
- 🚲 Bicycle Docking Station and Track
- ♿ The interventions are barrier-free & accessible for handicapped





## CREATING A HI-TECH TOURIST EXPERIENCE

- FACILITATING TOURISTS
- PROMOTING DIU

'My Tour' application will be a one stop solution to availing services, accessing information and booking arrangements. This mobile application will act as an indirect service platform rather than the service itself. The direct impact will be achieved through proposals made in area based development.



The Bird Sanctuary

The Naida Caves

Diu Fort

Art & Culture Shows

Light & Sound Shows

Nature, Heritage walks

Fishing Village Tours

Water Sports

Hotels, Restaurants, Food Plazas etc

Lodgings, Boardings, 3, 4, 5 Star Hotels

Bed & Breakfast

Smart Parking

Bike Sharing

E-Rickshaws, Battery operated cars

ATTRACTIONS

FOOD

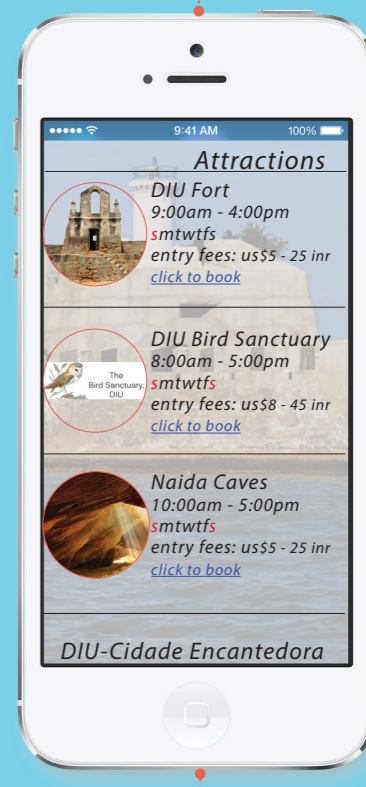
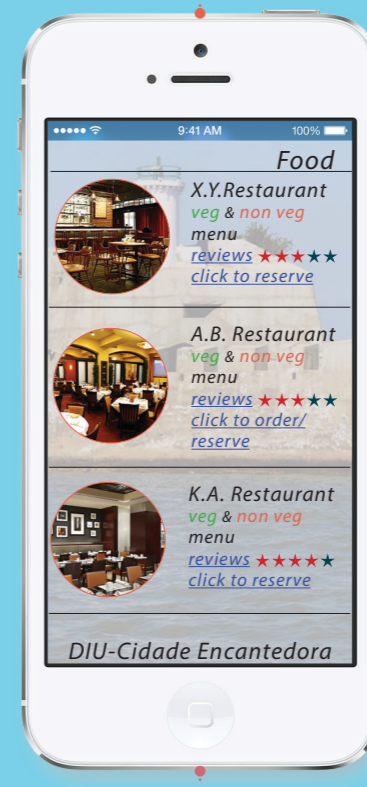
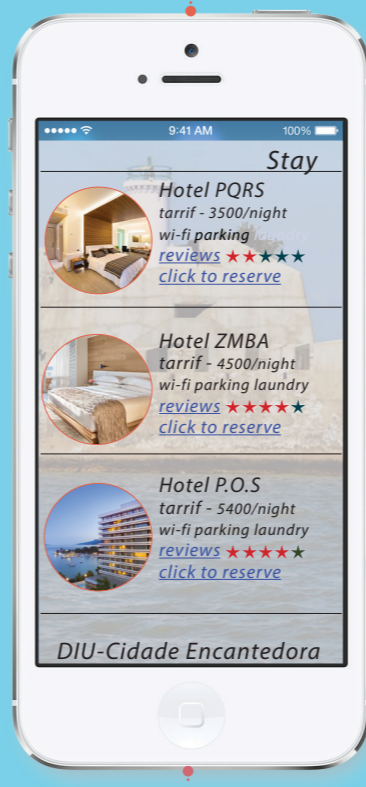
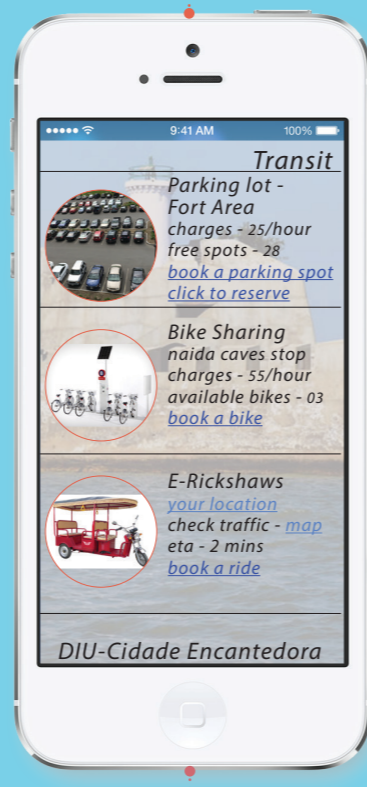
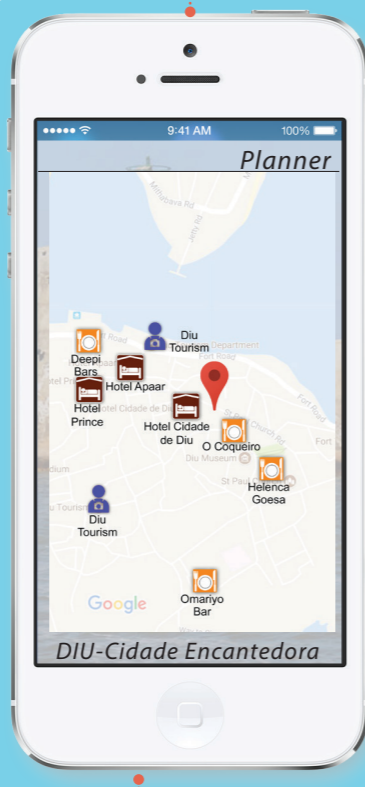
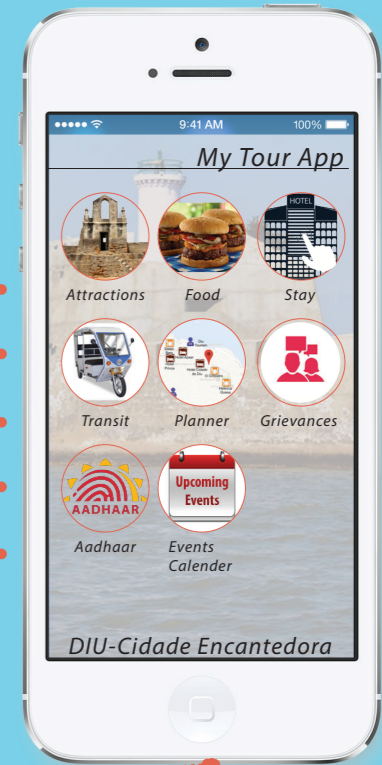
STAY

TRANSIT

PLANNER

prescheduled data transfer

DMC SERVER



## Become a technologically advanced service provider - Internal and External

**ISSUES:**

- Dependency on Gujarat for Raw Water.
- Need for Efficient Water Management.
- Meters not working.
- Loss of revenue due to lack of water loss.
- Online complaint redressal.

**Smart Water Module**

AMRs: Smart water metering, Water quality monitoring, Hydraulic and energy modelling

CONSUMERS: Row houses, Townships, Residential complexes, Hotels etc.

Smart Water Metering, Scada Bulk Flow Meter, Customer Care 24x7, Automated Bill Generation, Excess Consumption Alert, MIS for Service Level Monitoring

**SMART WATER MODULE:**  
By using "SMART WATER UTILITY" solution, the distribution management issues can be eliminated.

01. Installation of AMRs to improve metering and billing coverage.
02. Installation of bulk flow meters to record water flow to various locations on activity chain.
03. Installation of SCADA to generate accurate data automatically.
04. Setting up centralized control center for managing the data, sending auto-generated messages, alerts to consumers, generating bills, complaint registration & tracking.
05. Setting up MIS to monitor service levels by integrating various datas.

**ISSUES:**

- Need to monitor treatment quality to avoid pollution.
- Facilitate tourists with automated toilet facility.
- Online Consumer Grievance facility.

**Sewerage Management Module**

Consumers, E-toilets, Pump Operations Monitoring, Sewage Quantity Monitoring, Sewage Treatment Plant, Treatment Quality, Automated Bill Generation, Customer Care 24x7

- Automated Incident reporting.
- Automated Grievance Redressal

**ISSUES:**

- Need to monitor treatment quality to avoid pollution.
- Facilitate tourists with automated toilet facility.
- Online Consumer Grievance facility.

**Solid Waste Management Module**

Consumers, Dry Waste Recycling, Wet Waste On Site Composting, GPS mounted vehicles, RFID garbage bins, Recycle/ Distribution to NGOs etc, Automated Weighbridge for Solid Waste quantity monitoring, Customer Care 24x7

**ISSUES:**

- Need to monitor treatment quality to avoid pollution.
- Facilitate tourists with automated toilet facility.
- Online Consumer Grievance facility.

**Traffic Management Module**

Synchronized Signals, Smart Parking, Smart Signages, Smart Parking Kiosks

**E.R.P. Automation**

- Double entry Accrual based Financial Transactions
- Automated Building Approval Process- Auto-DCR
- Property and Infrastructure related data management/Property tax and GIS based Land Management tool.
- Automated Bill generation and Tax payment
- Interdepartmental Communication and Coordination Module
- Governance Service Module
- Citizen's Services Module
- GIS Mapping of 08nos. of layers
  - 01. Base Layers
  - 02. Urban Land Use/Land Cover
  - 03. Building Footprints
  - 04. Utilities
  - 05. Hypsography
  - 06. Cadastral Layer
  - 07. Boundaries
  - 08. Hazard Prone Areas

**E.R.P. Automation**

**Advantages of Integrated Service Management System**

- Conserved water
- Increased revenue
- Adequate water supply, Adequate quantity, Adequate pressure, Good quality
- Check and Increase number of public toilets in the city
- Real Time monitoring of sewage disposal
- Real Time monitoring of Solid Waste Generation
- Revenue Generation on Recycling

Performance Monitoring & Management

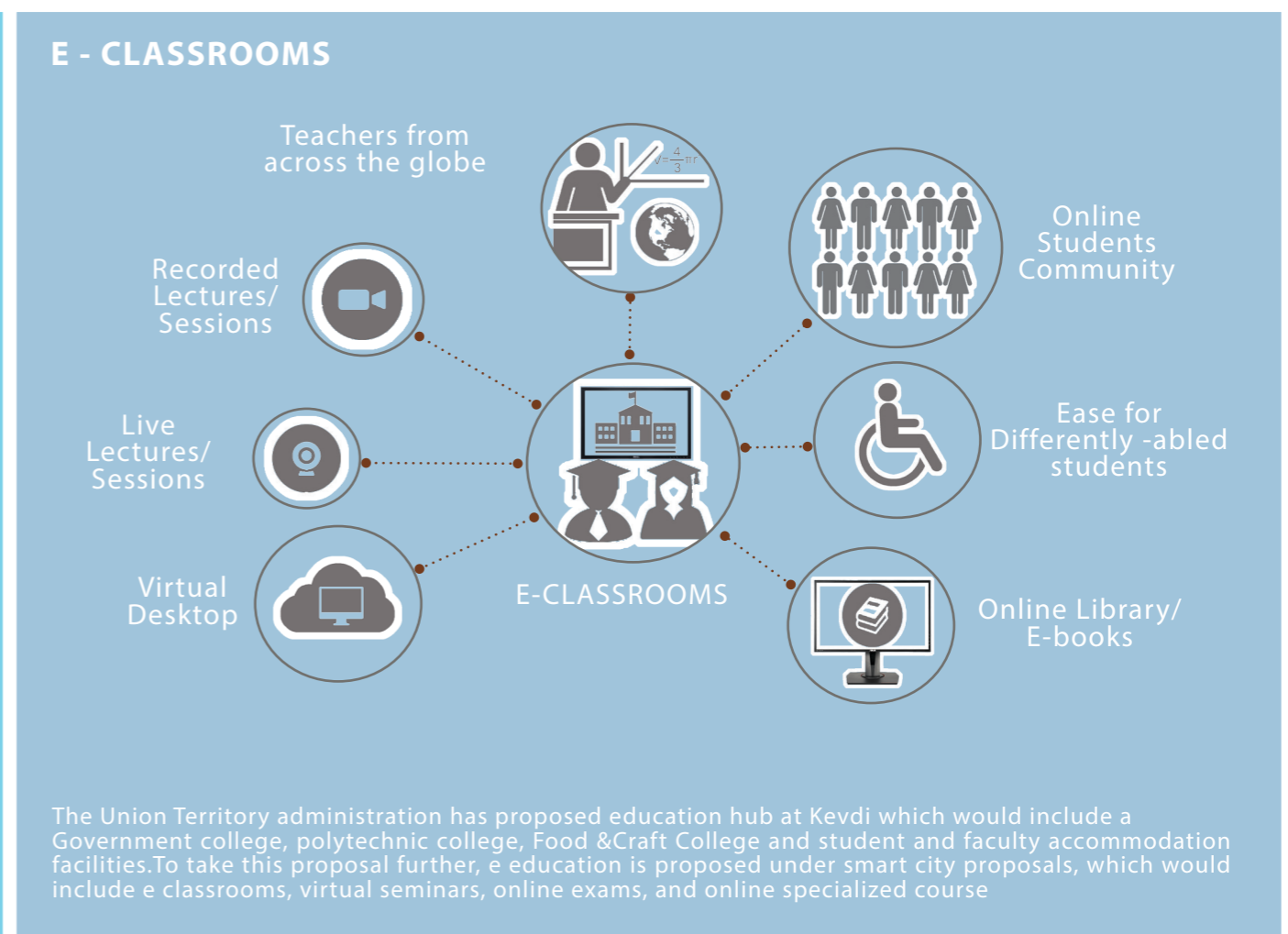
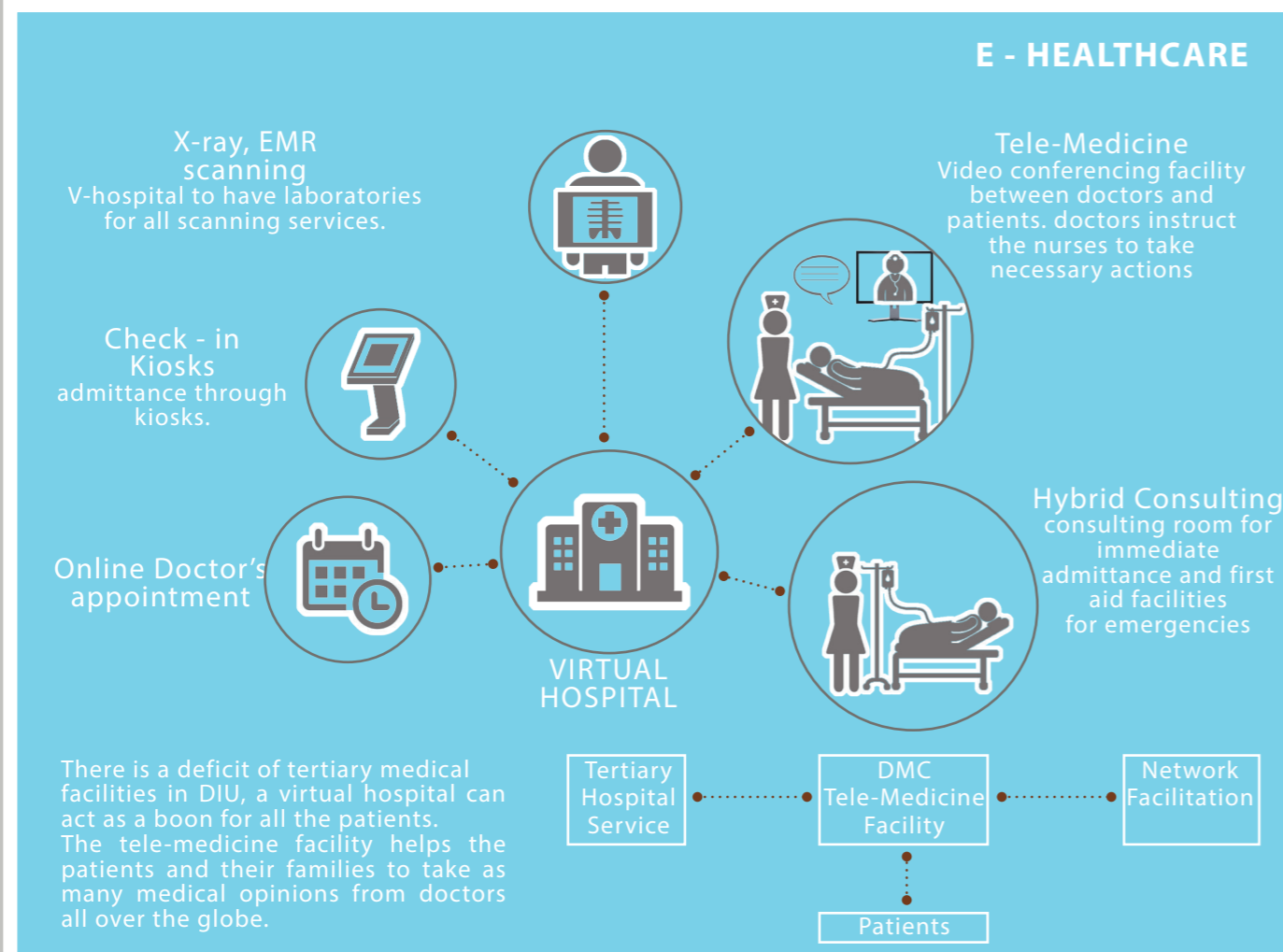
Dashboard - decision making based on accurate data

citizen's interface

**OTHER ADVANTAGES:**

01. Integration of data from various operations of multiple departments for better time and process compliance in obtaining permits/approvals.
02. Centralised call centre to interact with citizens and connect them to the right department for further actions.
03. Complaint redressal and an automatic feedback collection mechanism will also be introduced, for tracking of complaints.
04. Mobile application and web-portal linked to the control centre to disseminate information.

Using Technology to enhance Quality of Life



**PAN CITY SOLUTIONS:** SAFETY&SECURITY, MULTI-FUNCTIONAL BOARDS, E-HEALTHCARE & E-CLASSROOMS



### VARIABLE MESSAGING SYSTEM

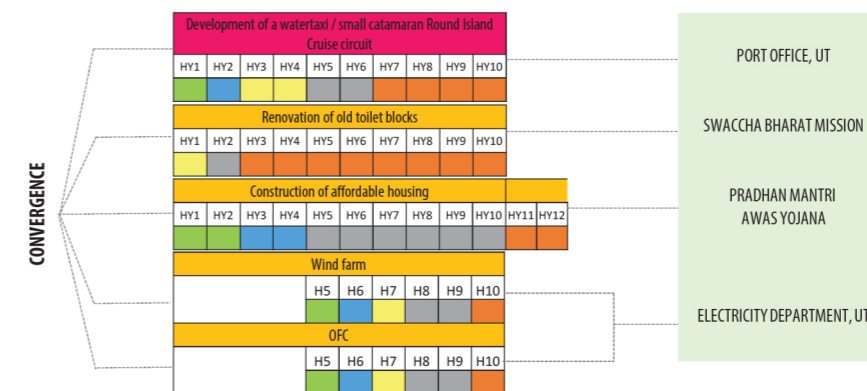
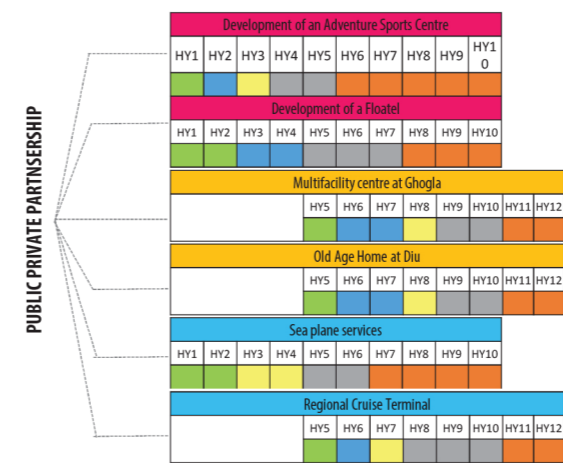
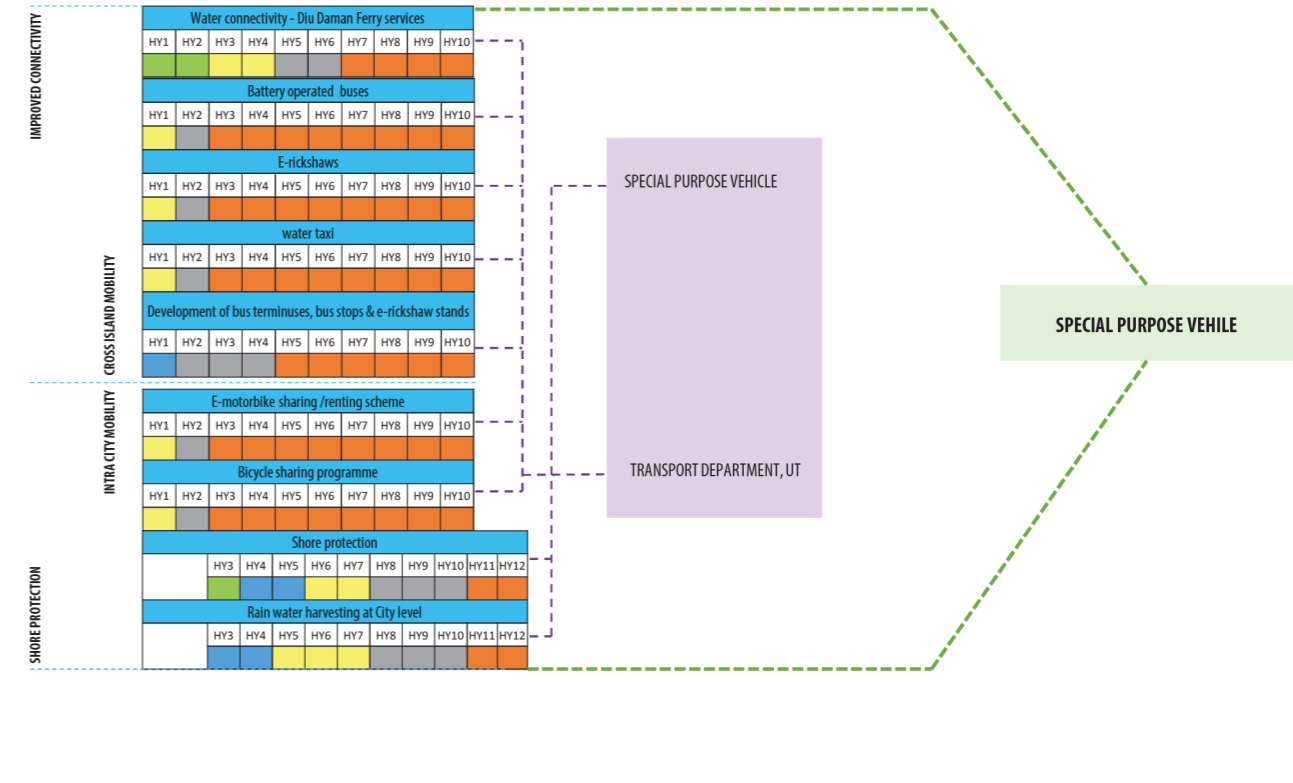
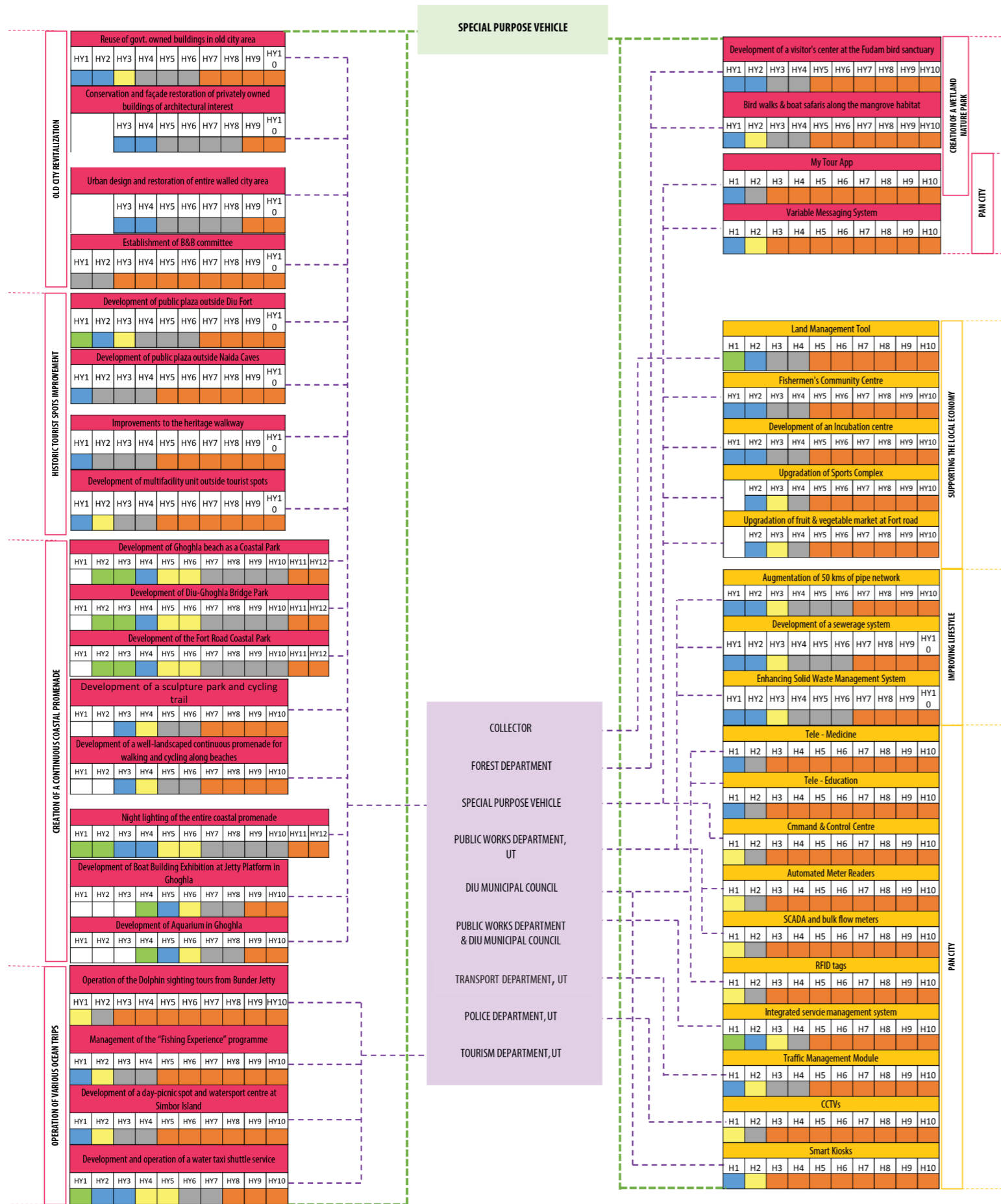
Data collected from various sources like the air, noise sensors and from weather department will be fed to the boards.

Pollution Sensors + Weather Department

PARAMETERS	CONCENTRATION	STD. LIMIT	UNIT
SO <sub>2</sub>	182	200	UG/M
NO <sub>2</sub>	58.5	200	UG/M
CO	10.3	80	UG/M
PM10	22.25	80	UG/M
PM2.5	22.25	80	UG/M

**NEWS FLASH**  
INDIA VS NEW ZEALAND - INDIA WIN BY 4 WICKETS | CHINA TO GET FIRST TESLA FACTORY | SRK TO HOST THE NEW KBC SERIES 1

Multi-functional Boards to be installed at all major locations throughout the city displaying the air and noise quality data along with weekly climatic data. the same will also be used for branding/advertisements to generate revenue and can also help in displaying upcoming events for the tourists.



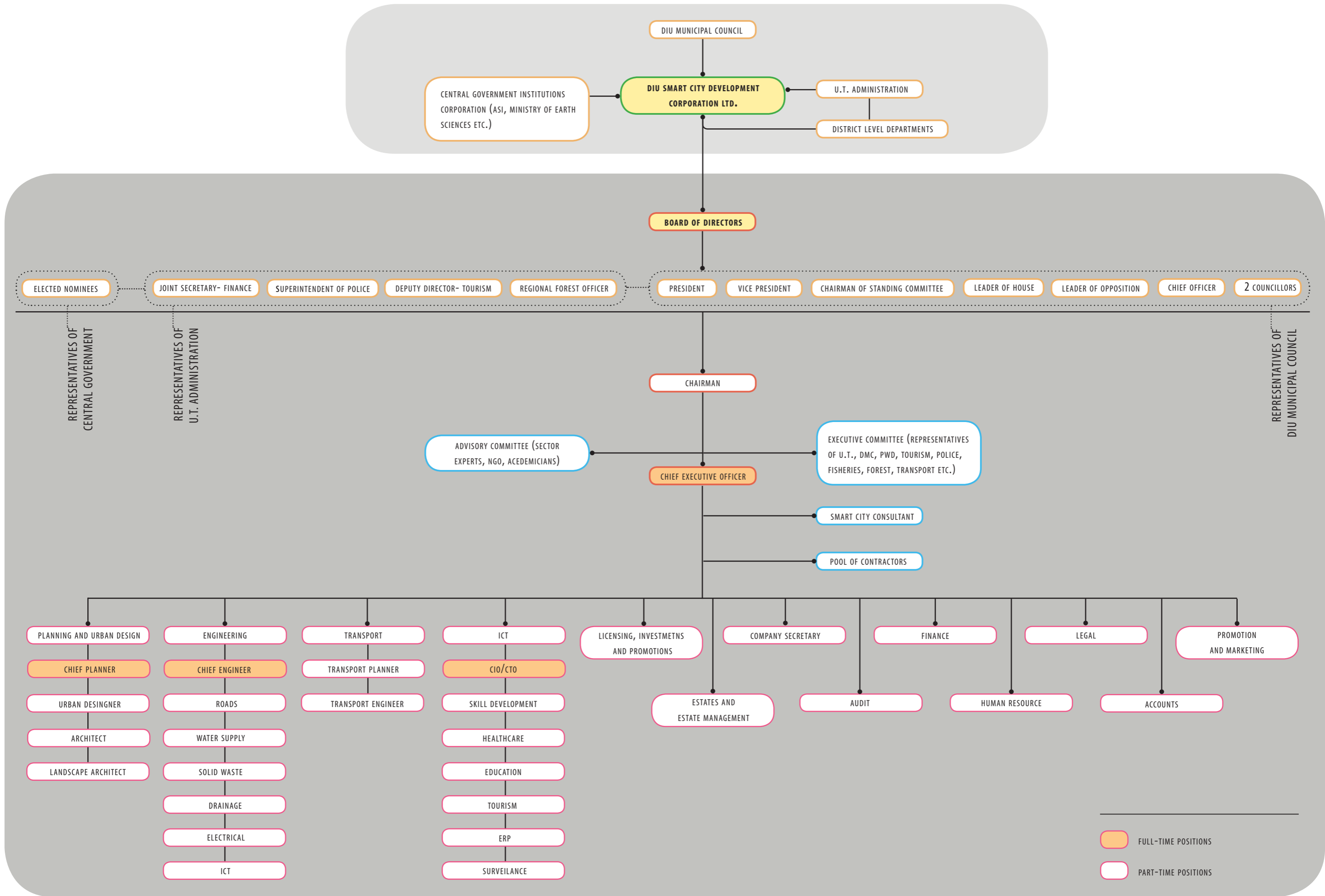
The Implementation Plan:

**Stage 1** – Year 2018: completion of quick wins & soft interventions, achieved through building on existing assets, rolling out the easily available projects & building upon the convergence projects.

**Stage 2** – Year 2020: completion of midterm projects related to improving facilities for tourists & locals, completing urban design works, transit and governance.

**Stage 3** – Year 2022: completion of long-term, large scale, infrastructure & tourism projects.

- IMPLEMENTATION BODY
- O & M BODY
- INITIATION
- PLANNING
- PROCUREMENT
- EXECUTION
- O & M
- GOAL 1
- GOAL 2
- GOAL 3



ABD CAPEX (RS. IN LACS)

PROJECT	TOTAL COST (in lacs)	CAPEX PHASING				
		YR 1	YR 2	YR 3	YR 4	YR 5
<b>GOAL 1: Theme 1 - Heritage Tourism</b>						
<b>A: Old City Revitalization</b>						
Reuse of govt. owned buildings in old city area	2885	577	1442	865	0	0
Conservation and façade restoration of privately owned buildings of architectural interest	1939	388	969	582	0	0
Urban design and restoration of entire walled city area	3573	715	1786	1072	0	0
Establishment of B&B committee	0	0	0	0	0	0
<b>TOTAL</b>	<b>8396</b>	<b>1679</b>	<b>4198</b>	<b>2519</b>	<b>0</b>	<b>0</b>
<b>B: Historic tourist spots improvement</b>						
Development of public plaza outside Diu Fort	2025	405	1013	608	0	0
Development of public plaza outside Naida Caves	5400	2700	2700	0	0	0
Improvements to the heritage walkway	146	73	73	0	0	0
Development of multifacility unit outside tourist spots	486	0	486	0	0	0
<b>TOTAL</b>	<b>8057</b>	<b>3178</b>	<b>4271</b>	<b>608</b>	<b>0</b>	<b>0</b>
<b>GOAL 1: Theme 2 - Waterfront Tourism</b>						
<b>A: Creation of a continuous coastal promenade</b>						
Development of Ghoghla beach as a Coastal Park	2160	0	324	756	540	540
Development of Diu-Ghoghla Bridge Park	302	0	45	106	76	76
Development of the Fort Road Coastal Park	1766	0	265	618	441	441
Development of a sculpture park and cycling trail	579	0	116	463	0	0
Development of a well-landscaped continuous promenade for walking and cycling along beaches	1026	0	205	821	0	0
Night lighting of the entire coastal promenade	162	16	16	32	49	49
Development of an Adventure Sports Centre at warehouse along Fort Road	648	0	648	0	0	0
Development of Boat Building Exhibition at Jetty Platform in Ghoghla	216	0	0	0	216	0
Development of Aquarium in Ghoghla	432	0	0	0	432	0
<b>TOTAL</b>	<b>7291</b>	<b>16</b>	<b>1619</b>	<b>2796</b>	<b>1754</b>	<b>1106</b>
<b>B: Operation of various ocean trips</b>						
Operation of the Dolphin sighting tours from Bunder Jetty	540	540	0	0	0	0
Management of the "Fishing Experience" programme	540	270	270	0	0	0
Development of a day-picnic spot and watersport centre at Simbor Island	572	286	286	0	0	0
Development and operation of a water taxi shuttle service	216	65	65	86	0	0
Development of a Floatel	216	0	108	108	0	0
Development of a watertaxi / small catamaran Round Island Cruise circuit	432	130	130	173	0	0
<b>TOTAL</b>	<b>2516</b>	<b>1291</b>	<b>859</b>	<b>367</b>	<b>0</b>	<b>0</b>
<b>GOAL 1: Theme 3 - Wetland Tourism</b>						
<b>A: Creation of a wetland nature park</b>						
Development of a visitor's center at the Fudam bird sanctuary	540	270	270	0	0	0
Bird walks & boat safaris along the mangrove habitat	65	0	65	0	0	0
<b>TOTAL</b>	<b>605</b>	<b>270</b>	<b>335</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>CAPEX FOR GOAL 1</b>						
<b>GOAL 2: Theme 1 - Supporting the local economy</b>						
Development of Outbound Centre and Convention Centre at Ghoghla	8208	0	2462	3283	2462	0
Outbound Water Sport & Adventure Sport Centre at Simbor	1080	0	324	432	324	0
fish sorting, cold storage and processing facility	1080	324	756	0	0	0
Fishermen's Community Centre	486	0	486	0	0	0
Development of an Incubation centre	648	0	648	0	0	0
Upgradation of Sports Complex	1080	0	1080	0	0	0
Upgradation of fruits and vegetable market at Fort Road	162	0	162	0	0	0
<b>TOTAL</b>	<b>12744</b>	<b>324</b>	<b>5918</b>	<b>3715</b>	<b>2786</b>	<b>0</b>
<b>GOAL 2: Theme 2 - Improving quality of life &amp; Citizen facilities</b>						
Multifacility centre at Ghoghla	1296	0	0	0	648	648
Old Age Home at Diu	1296	0	0	0	648	648
Augmentation of 50 kms of pipe network	1080	0	0	324	324	432
Development of a sewerage system	4644	0	1393	1393	1858	0
Enhancing SWM	1404	0	842	562	0	0
Construction of affordable housing	2203	0	1102	1102	0	0
Renovation of old toilet blocks	26	26	0	0	0	0
<b>TOTAL</b>	<b>11949</b>	<b>26</b>	<b>3337</b>	<b>3380</b>	<b>3478</b>	<b>1728</b>
<b>CAPEX FOR GOAL 2</b>						

<b>GOAL 3: Theme 1 - Green Transport</b>						
<b>A: Improved connectivity to Diu</b>						
Water connectivity - Diu Daman Ferry services	32400	0	25920	6480	0	0
Sea plane services	10800	0	8640	2160	0	0
Regional Cruise Terminal	5400	0	0	540	2160	2700
<b>TOTAL</b>	<b>48600</b>	<b>0</b>	<b>34560</b>	<b>9180</b>	<b>2160</b>	<b>2700</b>
<b>B: Cross island mobility</b>						
Battery operated buses	3240	3240	0	0	0	0
E-rickshaws	540	540	0	0	0	0
Water taxis	0	0	0	0	0	0
Development of bus terminuses, bus stops & e-rickshaw stands	1836	918	918	0	0	0
<b>TOTAL</b>	<b>5616</b>	<b>4698</b>	<b>918</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>B: Intra city mobility</b>						
E-motorbike sharing /renting scheme	86	86	0	0	0	0
Bicycle sharing programme	32	32	0	0	0	0
Development of pedestrian amenities	0	0	0	0	0	0
<b>TOTAL</b>	<b>119</b>	<b>119</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>GOAL 3: Theme 2 - Environmental Conservation</b>						
<b>A: Nature protection</b>						
Shore protection	162	0	24	57	41	41
Rain water harvesting at City level	1080	0	162	378	270	270
Wetland protection & habitat restoration	0	0	0	0	0	0
Urban greenery	0	0	0	0	0	0
<b>TOTAL</b>	<b>1242</b>	<b>0</b>	<b>186</b>	<b>435</b>	<b>311</b>	<b>311</b>
<b>CAPEX FOR GOAL 3</b>						
<b>GRAND TOTAL</b>	<b>107135</b>	<b>11601</b>	<b>56202</b>	<b>23000</b>	<b>10488</b>	<b>5844</b>
<b>Grand total with cost escalation at 5%</b>						
	<b>120976</b>	<b>12181</b>	<b>61963</b>	<b>26625</b>	<b>12748</b>	<b>7459</b>

PAN-CITY CAPEX (RS. IN LACS)

PROJECT	TOTAL COST (in lacs)	CAPEX PHASING				
		YR 1	YR 2	YR 3	YR 4	YR 5
<b>GOAL 1: Promotion of Tourism</b>						
My Tour App	395	198	198	0	0	0
Variable messaging system	329	165	165	0	0	0
<b>CAPEX FOR GOAL 1</b>	<b>725</b>	<b>362</b>	<b>362</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>GOAL 2: Creation of a vibrant Economy &amp; Society</b>						
E-Healthcare	1620	1620	0	0	0	0
E-Education	1620	1620	0	0	0	0
Automated Meter Readers	648	130	518	0	0	0
SCADA and bulk flow meters	1080	540	540	0	0	0
RFID tags	22	0	13	9	0	0
Integrated service management system	540	0	270	270	0	0
Traffic Management Module	1080	0	1080	0	0	0
Control Centre	2212	2212	0	0	0	0
CCTVs	108	108	0	0	0	0
Smart Kiosks	405	405	0	0	0	0
Land Management Tool	1080	540	540	0	0	0
Wind farm	5574	0	0	2230	1672	1672
OFC	4320	2160	2160	0	0	0
<b>CAPEX FOR GOAL 2</b>	<b>20308</b>	<b>9334</b>	<b>5121</b>	<b>2508</b>	<b>1672</b>	<b>1672</b>
<b>GRAND TOTAL</b>	<b>21033</b>	<b>9697</b>	<b>5484</b>	<b>2508</b>	<b>1672</b>	<b>1672</b>
<b>Grand total with cost escalation at 5%</b>						
	<b>23298</b>	<b>10182</b>	<b>6046</b>	<b>2904</b>	<b>2033</b>	<b>2134</b>

### CASH FLOW STATEMENT- SPECIAL PURPOSE VEHICLE

Year	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6	Year 7	Year 8	Year 9	Year 10	Total
ABD	12181	61963	26625	12748	7459	0	0	0	0	0	120976
Pan city	10182	6046	2904	2033	2134	0	0	0	0	0	23298
<b>Capital account - Rupees in lacs</b>											
Capital expenditure	22362	68009	29529	14781	9593	0	0	0	0	0	144274
Capital income - PPP	340	11193	3251	4201	5100	0	0	0	0	0	24084
Capital income - Convergence	2295	32173	11358	2033	2134	0	0	0	0	0	49992
Capital income - Smart City Grant	19727	24643	14921	8548	2359	0	0	0	0	0	70197
Gov	14039	7020	7020	7020	0	0	0	0	0	0	35099
UT	5687	17624	7901	1528	2359						35099
<b>Revenue account - Rupees in lacs</b>											
Operations and maintenance expenditure	0	0	90	267	310	548	581	616	653	692	3756
Revenue income	0	0	292	488	640	687	728	772	818	867	5291

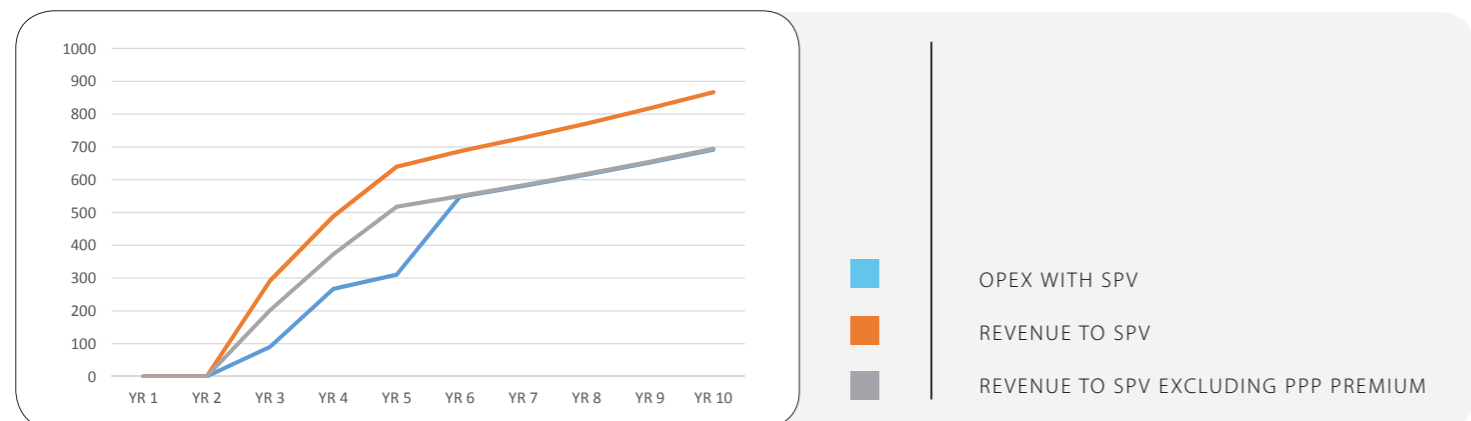
### OPERATION AND MAINTAINANCE- EXPENDITURE STATEMENT

Year	OPEX PHASING										TOTAL
	YR 1	YR 2	YR 3	YR 4	YR 5	YR 6	YR 7	YR 8	YR 9	YR 10	
TOTAL OPEX - ABD	0	507	1215	7093	9039	10451	11078	11743	12447	13194	76768
TOTAL OPEX - PAN CITY	0	219	353	388	411	734	778	825	874	927	5507
TOTAL OPEX	0	725	1568	7481	9450	11185	11856	12567	13321	14121	82275
OPEX under PPP projects	0	0	231	1827	1936	2665	2825	2995	3174	3365	19017
OPEX under Convergence Projects	0	1	1	3913	4148	4984	5283	5600	5936	6292	36159
Smart City Grant OPEX	0	724	1336	1742	3366	3536	3748	3973	4211	4464	27100
OPEX with SPV	0	0	90	267	310	548	581	616	653	692	3756
OPEX with other agencies	0	724	1246	1475	3056	2988	3167	3357	3559	3772	23344

### FINANCING AND RISK MANAGEMENT STRATEGY

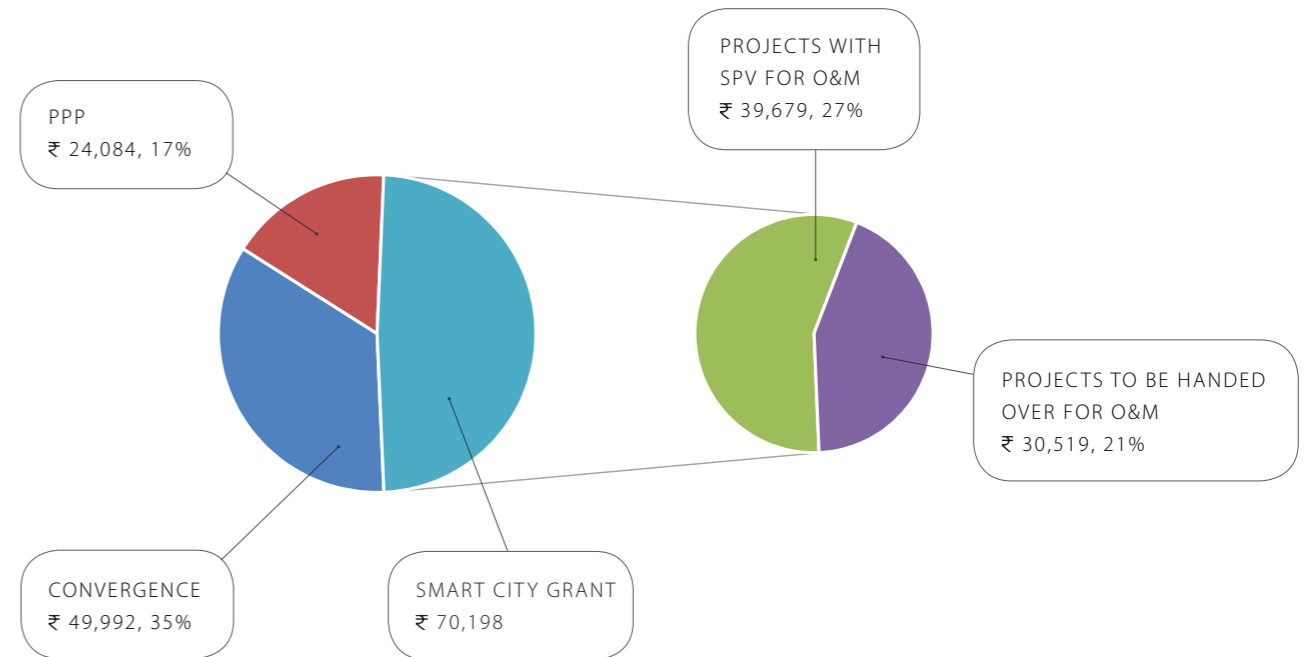
- Fund Resources:**  
Support from UT towards mission funded projects. // PPP projects which capitalize on available high tourist demand and have high feasibility. // Building on convergence projects which support the smart city agenda.
- Revenue sources to SPV:**  
Leasing / rentals, licensing, ticketing, and user fees. // Premium from PPP projects
- O&M expense to SPV:**  
Bulk of SPV implemented projected to be handed over to DMC/ UT Departments. // O&M expenses with SPV to be funded from SPV revenues.

### REVENUE ACCOUNT- SPV (RS. IN LACS)

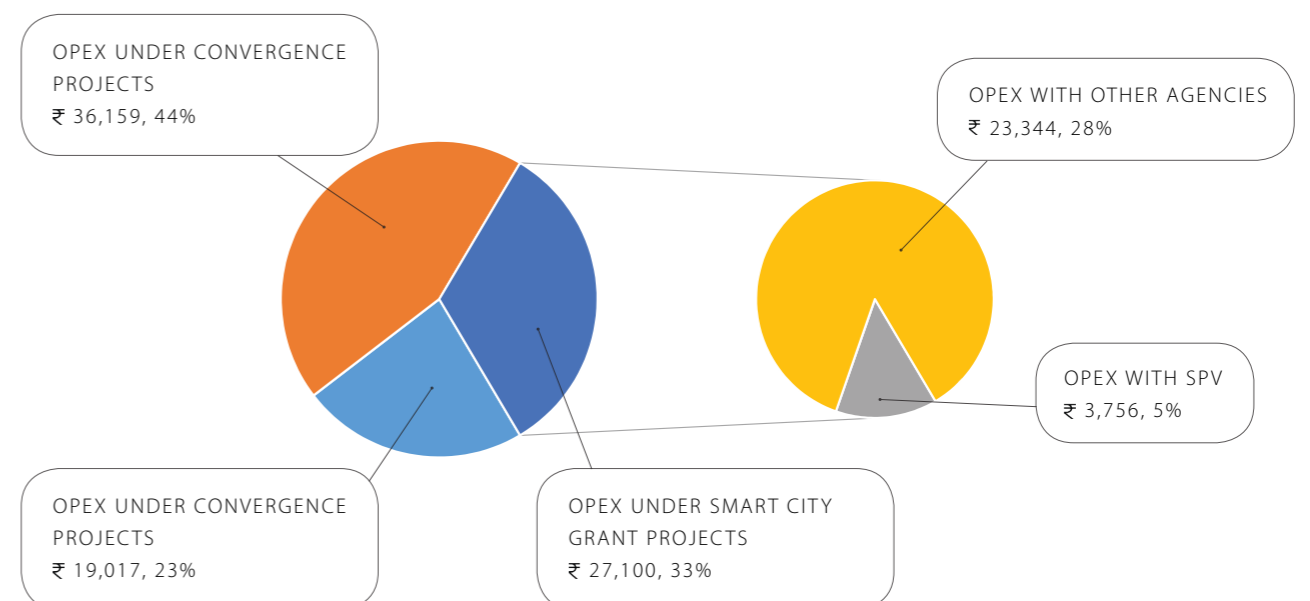


### SOURCES OF FUNDING (RS. IN LACS)

	ABD	Pan City		Total	
	Inclusive of cost escalation	Net	Inclusive of cost escalation	Net	Inclusive of cost escalation
Total SCP	120976	195	23298	1187	144274
Smart City					
Mission Grant	58297	103	11901	582	70197
Gov share	29148	52	5950	291	35099
UT Share	29148	52	5950	291	35099
PPP	24084	0	0	192	24084
Convergence	38595	92	11397	412	49992



### OPERATION AND MAINTAINANCE EXPENDITURE FOR 10 YEARS (RS. IN LACS)



# DIU MUNICIPAL COUNCIL

**MINUTES OF SPECIAL MEETING HELD IN THE CONFERENCE HALL, DIU MUNICIPAL COUNCIL ON DATED 24<sup>TH</sup> OCTOBER 2017 AT 10:00 AM**

Special Meeting of Diu Municipal Council was held on 24<sup>TH</sup> OCTOBER 2017 AT 10:00 AM in Conference Hall, of the Diu Municipal Council to discuss the Smart City Proposal for submission to MoUD as part of Round 4 of the Smart City Mission. The following Councilors were present:

Sr. No.	Name	Ward No.	Designation
01	Shri. Hitesh G. Solanki	7	President
02	Shri. Mansuclal Carsane	6	Vice President
03	Smt. Solanki Asha Hemal	2	Councillor
04	Smt. Solanki Dudhmal Bhavnaben Pradeep	3	Councillor
05	Smt. Nikita Devang	5	Councillor
06	Shri. Kapadia Hareshbhai Panchabhai	8	Councillor
07	Smt. Solanki Bhagyavanti Chunilal	9	Councillor
08	Shri. Ravindra Deugi	10	Councillor
09	Smt. Ranjan Raju	11	Councillor
10	Shri. Jitendra Govind Solanki	12	Councillor
11	Smt. Vandana Rao,	--	Chief Officer

The President welcomed all present to the meeting. The following items were discussed:

1) **Regarding the Smart City Proposal** prepared by consultant M/S Crisil Risk and Infrastructure Solution Ltd. for the Smart City Challenge Round 4 for submission to the MoUD. The Council has reviewed the concept plan and draft plan prepared by the consultant and has approved the same. The Council directs the Chief Officer to take necessary action for the submission of the proposal to the Ministry of Urban Development.

2) **Regarding Special Purpose Vehicle** for implementing the Smart Cities Challenge. The Council members have directed the Chief Officer to propose a SPV structure and take approval from UT Administrator for incorporation of the SPV as Public Limited Company.

3) **Regarding Policy Decisions to be taken by DMC for Smart Cities Challenge**

The council has agreed to work on the following policies which shall help Diu become a Smart City:

- Implementation of the B&B policy
- Roll out of the Green Building initiative as part of the building approval project
- Rain Water Harvesting as part of the building approval project
- Increase the revenue stream of DMC through:
  - Property Tax Reform
  - Collection efficiency for water supply revenue
  - Public parking management
  - PPP projects

Meeting ended with a vote of thanks.



**Hitesh G. Solanki**  
President

**Diu Municipal Council, Diu**

No. DMC/DIU/CONST/SMART CITY/REP WO-43/2017-18/

Copy to:

- 1) PS to the Hon. Collector / Director (Municipal Administration), UT of Daman & Diu
- 2) All the Councilors, Diu Municipal Council, Diu – for information please
- 3) Chief Officer, , Diu Municipal Council – with a request to take further necessary action



No.3/105/FD/DMN/2017/4702  
U.T. Administration of Daman & Diu,  
Finance Department,  
Secretariat, Moti Daman, Pin- 396220.  
e-Mail:- [jsfin-dd@nic.in](mailto:jsfin-dd@nic.in)  
Tel:(0260) 2230979 Fax: (0260) 2230550.

Dated:- 24<sup>th</sup> November 2017.

To,  
The Mission Director,  
Smart Cities Mission,  
Ministry of Urban Development,  
Govt. of India,  
New Delhi.

Sub:- Recommendation of Diu City for the Final Round of the Smart City Challenge.

Sir,

A meeting of Union Territory Administration's High Power Steering Committee for considering the revised Smart City Proposal of Diu was held on 24<sup>th</sup> November, 2017 at 1.00 p.m. under the Chairmanship of Hon'ble Administrator, Union Territory of Daman and Diu and Dadra & Nagar Haveli.

The Committee has decided to recommend the Smart City Proposal of Diu city for participating in the final round of the Smart City Challenge.

A copy of minute of the said meeting is attached herewith.

Yours faithfully,



(Kishore Bamania)  
Joint Secretary (UD)

**Minutes of the Meeting of High Powered Steering Committee (HPSC) held on 24.11.2017 at 1.00 pm under Chairmanship of the Administrator, Daman and Diu and Dadra & Nagar Haveli for consideration of proposal for implementation of Smart City for Diu City.**

A meeting of High Power Steering Committee (HPSC) constituted vide Notification No.UD/DMN/Smart Cities/30/2014/407 dated 24.07.2015 for implementation of Smart City Mission for the Union Territory of Daman & Diu was held on 24.11.2017 at 1.00 pm to consider the revised Smart City Proposal of Diu.

The following were present in the meeting:

1.	Shri Prafulbhai K. Patel Administrator, Daman and Diu, UTs of Daman and Diu and Dadra & Nagar Haveli	Chairman
2.	Shri S. S. Yadav, IAS Adviser to Administrator	Member
3.	Shri Sandeep Kumar, IAS Collector, Daman/Director, Municipal Administration, Daman and Diu	Member
4.	Smt. Pooja Jain, IAS Secretary (Tourism), Daman and Diu and Dadra & Nagar Haveli.	Nominated member
5.	Shri Hemant Kumar, IAS Collector, Diu	Nominated member
5.	Dr. V. K. Das, Director, Medical and Health Services, Daman and Diu and Dadra & Nagar Haveli.	Member
6.	Shri Rakesh Kumar, EG DANICS, Deputy Secretary (Planning and Statistics), Daman and Diu	Member
7.	Shri Kishore Bamaia, Joint Secretary (Urban Development), Daman and Diu	Member Secretary

1. At the outset, the Adviser to Administrator gave overview of the Smart City proposal for Diu City.



2. A team of Consultants appointed by Diu Municipal Council i.e. M/s. CRISIL Risk and Infrastructure Solutions (CRIS) Limited has made detailed presentation before the Committee and explained the revised proposal and component of the project of Diu Smart City.
3. The Committee, after detailed deliberations approved the revised Smart City proposal of Diu submitted by the consultant for Diu Smart City project for submission to the Govt. of India.



  
( Kishore Bamania )  
Joint Secretary (Urban Dev.)

**Copy to:**

1. All members of HPSC, Daman and Diu.
2. The Mission Director, Smart Cities Mission, Ministry of Housing & Urban Poverty Alleviation, G Wing, Nirman Bhawan, Government of India, New Delhi.

No.3/105/FD/DMN/2017/4698  
U.T. Administration of Daman & Diu,  
Finance Department,  
Secretariat, Moti Daman, Pin- 396220.  
e-Mail:- [jsfin-dd@nic.in](mailto:jsfin-dd@nic.in)  
Tel:(0260) 2230979 Fax: (0260) 2230550.

Dated:- 24<sup>th</sup> November 2017.

To,  
The Mission Director,  
Smart Cities Mission,  
Ministry of Urban Development,  
Govt. of India,  
New Delhi.

Sub:- Financial Support from U.T. Administration in implementation of Diu Smart City proposal.

Sir,

Diu is competing in the final round of Smart City Mission of Ministry of Urban Development and the Diu Municipal Council has made a sincere effort to improve the proposal based on the comments provided by you in the last round.

As per the Smart City guidelines, Diu Municipal Council and Union Territory (U.T.) Administration together need to fund 50% of the total project cost. The U.T. Administration extends its financial support to Diu Municipal Council throughout the lifecycle of the Smart City Proposal implementation.

If given an opportunity, the U.T. Administration is very keen to make a large difference to Diu City by utilizing Smart City Mission grant from the Central Government.



Yours faithfully,

( Kishore Bamania )  
Joint Secretary (Fin.)

U.T. Administration of Daman & Diu,  
Department of Tourism,  
Information & Publicity,  
Diu.

No.3-4/DT-ADM/GEN/2017-18/234

Dated:28/11/2017

To,  
The Chief Officer,  
Diu Municipal Council,  
Fort Road, Diu.

**Subject: - Letter of support towards Diu's Smart City initiative under the Smart Cities Mission**

**Dear Madam,**

The Diu, Union Territory Administration office is very pleased to have Diu shortlisted as one of the 100 cities competing for Smart City Challenge of Ministry of Urban Development, Government of India. We at the Tourism Department of Diu, Union Territory, Administration have been involved in the overall process of preparing smart city proposal for Diu Municipal Council.

With reference to the same, we shall extend our full support to the Special Purpose Vehicle (proposed as Diu Smart City Development Corporation Ltd.) in implementation of the following projects:

1. **Dolphin tours**
2. **'Fishing Experience' tours**
3. **Day picnic spot at Simbhor island**
4. **Water taxi service to Panikotha**
5. **Aquarium at Ghoghla**

The department shall also take over the operation and maintenance of the given projects post implementation phase.

With regards,

Yours sincerely,

  
(HEMANT KUMAR)

Collector &  
Additional Director (Tourism)  
Diu.

No.86-02-1998/MV/GEN/2017-18/ 400  
U.T. Administration of Daman & Diu  
Office of the Addl. Director of Transport,  
Collectorate, Diu  
Dated:- 27-11-17

To,  
The Chief Officer,  
Diu Municipal Council,  
Fort Road, Diu.

**Subject: - Letter of support towards Diu Smart City initiative under the Smart Cities Mission**

**Dear Madam,**

The Diu, U.T. Administration office is very pleased to have Diu shortlisted as one of the 100 cities competing for Smart City Challenge of Ministry of Urban Development, Government of India. We at the Transport Department of Diu, U.T. Administration have been involved in the overall process of preparing smart city proposal for Diu Municipal Council.

With reference to the same, we shall extend our full support to the Special Purpose Vehicle (proposed as Diu Smart City Development Corporation Ltd.) in implementation of the following projects:

1. **Battery operated buses with bus-terminus, bus station, bus stop**
2. **E-rickshaws**
3. **Water taxis for round island cruises**
4. **E-motorbike sharing /renting scheme**
5. **Bicycle sharing programme**
6. **Traffic management module**

The department shall also take over the operation and maintenance of the given projects post implementation phase.

With regards.

Yours sincerely,  
  
Deputy Director(Transport)  
Transport Department  
Diu U.T. Administration

**U.T Administration of Daman & Diu**  
**Office of the Assistant Engineer,**  
**Electricity Department**  
**Sub Division No. II Diu**  
**E-mail:- [ed-aesd2-dd@nic.in](mailto:ed-aesd2-dd@nic.in)**  
**Phone No.:- 02875 252157**

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**ED/AE-II/TECH-3/2017-18/12310**

**Date: 28/11/2017**

To,

The Chief Officer,  
Diu Municipal Council,  
Fort Road, Diu.

**Subject: - Letter of support from Electricity Department towards Diu's Smart City initiative under the Smart Cities Mission**

**Dear Madam,**

The Electricity Department of Diu U.T. administration has been involved in the process of preparing smart city proposal for Diu Municipal Council.

We have prepared a Detailed Project Report of the **Windfarm project** for Diu and as the Project converges very well with Diu Smart City Proposal having an objective of protecting environment, we are aware that it has been included as a convergence project in the proposal. With reference to the same, we being the implementation and operation and maintenance agency of the project, will establish close coordination with the Special Purpose Vehicle (proposed as Diu Smart City Development Corporation Ltd) and the Diu Municipal Council during the Smart City Proposal implementation.

With regards,

Yours sincerely,



I/c Assistant Engineer  
Electricity Department  
Sub Division No. II, Diu

U.T. ADMINISTRATION OF DAMAN & DIU  
DEPARTMENT OF ENVIRONMENT & FORESTS  
O/o THE RANGE FOREST OFFICER  
DIU – 362 520

No. RFO/DIU/MISC/2017-18/ 524

DATE: 28.11.2017

To,  
The Chief Officer,  
Diu Municipal Council,  
Fort Road, Diu.

**Subject: - Letter of support from Forest Department towards Diu's Smart City initiative under the Smart Cities Mission**

Dear Madam,

The Diu, U.T. Administration office is very pleased to have Diu shortlisted as one of the 100 cities competing for Smart City Challenge of Ministry of Urban Development, Government of India. We at the Forest Department of Diu, U.T. Administration have been involved in the overall process of preparing smart city proposal for Diu Municipal Council.


With reference to the same, we shall extend our full support to the Special Purpose Vehicle (proposed as Diu Smart City Development Corporation Ltd.) and the Diu Municipal Council in implementation of the following projects:

1. Development of visitor and nature interpretation centre at Fudam bird sanctuary to promote awareness about wildlife and native ecosystem of Diu
2. Initiation of board walks and boat safari along the mangrove habitat

The department shall also take over the operation and maintenance of the given projects post implementation phase.

With regards,

Yours sincerely,

  
Enquiry Officer &  
Head of Office,  
Forest Range Office, Diu.

 28/11/17  
Despatch Clerk,  
Diu Municipal Council, Diu.



**UT Administration of Daman & Diu**  
**Department of Information Technology**  
**Fort Are, Moti Daman**  
**Daman- 396220**

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No: 02/IT/DDeGS/File No.431/2017-18/ 313

Date: 28/11/2017

To,  
The Chief Officer,  
Diu Municipal Council,  
Fort Road, Diu.

Subject: - Letter of support from Information Technology (IT) Department  
towards Diu's Smart City initiative under the Smart Cities Mission

Dear Madam,

The Union Territory Administration office of Daman and Diu is very pleased to have Diu shortlisted as one of the 100 cities competing for Smart City Challenge of Ministry of Urban Development, Government of India. The Information Technology (IT) Department of U.T. Administration of Daman & Diu recognizes that several digital platforms have been proposed as a part of Smart City Proposal and good internet connectivity is very critical in success of these proposals.

We at the Information Technology Department have prepared a Detailed Project Report of 'UT Wide Fiber Network' with the same objective. With this reference, the project has been included as a convergence project in the Smart City Proposal of Diu. We being the implementation agency of this project shall establish close co-ordination with the Special Purpose Vehicle (proposed as Diu Smart City Development Corporation Ltd.) and the Diu Municipal Council with respect to all the phases of implementation of the project.

Yours sincerely,



Director (IT),  
Information Technology Department  
UT Administration of Daman & Diu

Copy to,  
PA to Secretary (IT), DD & DNH for kind information please.

U.T. Administration of Daman & Diu,  
Police Department of Daman & Diu,  
Office of the Sub- Divisional Police Officer,  
Fudam, Diu .

Dated: 28/11/2017.

SDPO/DIU /2017/No. 1204

To,

The Chief Officer,  
Diu Municipal Council,  
Fort Road, Diu.

**Subject: - Letter of support towards Diu's Smart City initiative under the Smart Cities Mission**

Dear Madam,

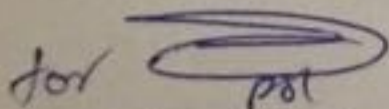
The Diu, U.T. Administration office is very pleased is very pleased to have Diu shortlisted as one of the 100 cities competing for Smart City Challenge of Ministry of Urban Development, Government of India. We at the Police Department of Diu, U.T. Administration have been involved in the overall process of preparing smart city proposal for Diu.

Diu is a very safe city with crime rate at 92.4 as compared to National average of 234.2. However, it is essential that the safety of the city is maintained and the surveillance system is well equipped technologically. With this objective, CCTV cameras are proposed to be installed in public areas. Following the same objective, the Police Department extends full support to the Special Purpose Vehicle (proposed as Diu Smart City Development Corporation Ltd.) in installation of CCTV cameras across the city.

The department shall also take over the operation and maintenance of the installations post implementation.

With regards,

Yours sincerely,



Deputy Superintendent of Police  
Diu U.T. Administration

MD/PO-DIU/Catamaran Ferry Service/25-Part/2017-18/650  
UT Administration of Daman & Diu,  
Office of the Port Officer,  
Marine Department, Diu.  
Date: 28/11/2017.

To,

The Chief Officer,  
Diu Municipal Council,  
Fort Road, Diu.

**Subject: - Letter of support towards Diu's Smart City initiative under the Smart Cities Mission**

**Dear Madam,**

The Diu, U.T. Administration office is very pleased to have Diu shortlisted as one of the 100 cities competing for Smart City Challenge of Ministry of Urban Development, Government of India. We at the Port Office of Diu, U.T. Administration have been involved in the overall process of preparing smart city proposal for Diu Municipal Council.

The Diu Smart City Proposal has conceptualized the project of **High Speed Craft Service between Mumbai-Daman- Diu** and is in the process of preparation of Techno-economical and feasibility study for the same. We are aware that the project has been included as a convergence project in the Smart City Proposal and we being the implementation and operation and maintenance agency for the project will establish close coordination with the Special Purpose Vehicle (proposed as Diu Smart City Development Corporation Ltd.) in implementation of the project.

Apart from this, we will extend our full support in implementation of the **Round Island Cruise project** and **Regional Cruise Terminal Creation project** and we will also take over the operation and maintenance of these projects post the implementation phase.

With regards,

Yours sincerely,

  
Mamlatdar & H.O.(Port)  
Diu U. T. Administration

**U.T. ADMINISTRATION OF DAMN AND DIU  
OFFICE OF THE EXECUTIVE ENGINEER  
PUBLIC WORKS DEPARTMENT,  
WORKS DIVISION-II,  
DIU – 362520**

No.PWD/WD-II/DIU/TB/F.140/2017-18/ 1546

Date: 28/11/2017

To,  
The Chief Officer,  
Diu Municipal Council,  
Fort Road, Diu.

**Subject: - Letter of support towards Diu's Smart City initiative under the Smart Cities Mission**

**Dear Madam,**

The Diu, U.T. Administration office is very pleased to have Diu shortlisted as one of the 100 cities competing for Smart City Challenge of Ministry of Urban Development, Government of India. We at the Public Works Department of Diu, U.T. Administration have been involved in the overall process of preparing smart city proposal for Diu Municipal Council.

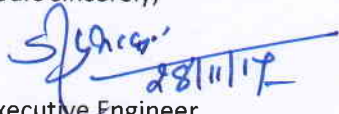
With reference to the same, we shall extend our full support to the Special Purpose Vehicle (proposed as Diu Smart City Development Corporation Ltd.) in implementation of the following projects:

- 1. Revamping of 50 kms of water supply network**
- 2. Development of sewerage network**
- 3. Development of the Solid Waste Facility site**
- 4. Automated meter readers, bulk flow meters, pressure readers, SCADA**

The department shall also take over the operation and maintenance of the Water supply network project and AMR, flow meters and SCADA projects post implementation phase.

With regards,

Yours sincerely,



Executive Engineer  
Public Works Department  
Diu U.T. Administration

No.3-109/D1-ADM/Part/2016-2017/ 184  
Administration of Daman & Diu,  
Department of Tourism,  
Daman.

Dated:-10/07/2017.  
07

**NOTIFICATION**

Whereas, certain draft rules, which the UT Administration of Daman and Diu proposed to make in exercise of the powers conferred by sub-section (1) of section 42 of the Goa, Daman and Diu Registration of Tourist Trade Act, 1982 were published as required by sub-section (3) of section 42 of the said Act in the Official Gazette No.42, Series II dated 23/10/2015 under Notification No.3-109/DT-ADM/Part/2015-16/155 dated 23/10/2015 of the Department of Tourism, Daman and Diu inviting objections and suggestions from all persons likely to be affected thereby on or before the expiry of 30 days from the date of the publication of the said Notification in the Official Gazette;

And whereas, the said Gazette was made available to the public on 23-10-2015;

And whereas, No suggestions and objections were received from the public on the said draft.

Now, therefore, in exercise of the powers conferred by sub-section (1) of section 42 of the Goa, Daman and Diu Registration of Tourist Trade Act, 1982 (10 of 1982), Administrator of Daman & Diu hereby makes the following rules.

1. Short title and commencement –

- (1) These Rules may be called the Daman & Diu Registration of Tourist Trade (2<sup>nd</sup> Amendment) Rules, 2017.
- (2) They shall come in force at once.

2. Amendment in rule – 3:- in rule 3 of the Goa, Daman and Diu Registration of Tourist Trade Act, 1985 (herein after call the principal rules) the following shall be inserted after (ii) Hotel Keeper.....Rs.200/- per year for 'D' Category.

**“ Rs.200/- per year for 'E' Category”**

3. Amendment in Annexure 'A' :-

After Annexure "A" (PART D) Paying Guest Accommodation ("D" Category), a new Category shall be inserted namely:-

## ANNEXURE "A" (PART E)

### Bed & Breakfast / Homestay Establishment ( "E" Category)

**Locality and Building :-** The Owner/promoter of the Establishment alongwith his / her families is physically residing in the same establishment in the suitable locality.

**Guest Rooms:-** The following amenities should be available:-

- a. Well maintained and well equipped house and guest rooms with quality carpets/area rugs/tiles or marble flooring, furniture, fitting etc. in keeping with traditional lifestyle.
- b. Minimum one lettable room and maximum 6 rooms. all rooms should be cleaned, airy, without dampness and with outside window/ventilation.
- c. Minimum floor area standard prescribed for 40 Sq. ft. for each bed.
- d. Attached private bathrooms with every room alongwith toilet (WC toilet with a seat and lid, toilet paper) with minimum area of 30 Sq. ft.
- e. Well maintained smoke free, clean, hygienic odour free, pest free kitchen.
- f. Dining area serving fresh Continental and / or Traditional Indian Breakfast and Complimentary aqua guard / RO/mineral water.
- g. Wardrobe with at least four clothes hangers in the rooms.
- h. Facilities of refrigerator in each room.
- i. Fans should be provided in all the rooms.
- j. Fire extinguishers.

By order & in the name of  
Administrator of UT of Daman & Diu

*Nishi Singh*  
18/17

Deputy Secretary (Tourism), Daman.

To,

1. The PPS to the Administrator, Secretariat, Daman.
2. The Development Commissioner, Secretariat, Daman.
3. The Finance Secretary, Secretariat, Daman.
4. The Secretary (Tourism), Daman & Diu, Daman.
5. The Collector, Daman.
6. The Collector, Diu.
7. The Deputy Director (Tourism), Daman/Diu.
8. The Deputy Director (P & S), Daman for publication in Extraordinary Official Gazette
9. The President, Hoteliers Association, Daman & Diu.



**Nikita Devang**

Councillor, Ward No 5

**Diu Municipal Council, Diu**

149, Suthar wada, Diu - 362520

Mob : 8141663666, 9825409772 Email : devshah012@gmail.com

Date: 27/10/2017

To,  
The President,  
Diu Municipal Council,  
Fort Road,  
Diu.

Subject:- Letter of support towards the implementation of the B&B policy proposed under the Smart Cities Mission

Dear Sir,

It gives me immense pride that, Diu has been shortlisted to be developed as a Smart City under the Smart Cities Mission of the Government of India.

I support all the initiatives proposed in Diu's SCP, however, I am particularly excited about the proposed B&B policy.

My ward (ward no.5) has a sizable number of vacant buildings that have strong heritage, cultural and historical value but are currently not adequately maintained. Hence, I am confident that this policy will open up these buildings for tourists and promote proactive maintenance of all such buildings, thereby making the area more vibrant and lively

I hereby would like to extend my support towards implementation of this policy.

With regards,

Yours sincerely,

*Nikita D. Shah*

(NIKITA DEVANG)  
Councillor, Ward No.5,  
Diu Municipal Council,  
Diu.

*[Signature]*  
Diu Municipal Council  
Inward No. 5536  
Section Const  
Date 28 OCT 2017

*Deesne*  
31/10/17

*Vimal for SCP.*

*[Signature]*  
2.11.17.

## Udan Yojana | UDAN Scheme | Ude Desh ka Aam Nagarik Flights @ Rs 2500

After the railways now it is time for the flights where you can travel in cheap fare. In a recent event the Civil Aviation Minister has announced about UDAN Scheme in which any traveller can book a seat at only Rs. 2500/- Ude Desh ka Aam Nagarik namely UDAN Yojana scheme will soon be launched sometimes in January when the first flight will be started between Delhi and Kolkata.

### The Scheme:

- UDAN Scheme was declared by the civil aviation ministry in India in October 2016. The scheme will be launched in January 2017.
- Under this yojana traveller can buy tickets at Rs. 2500/- only. From 9 seats to maximum 40 seats can be booked by single user under this scheme.
- The rate 2500/- is not for the entire seats available in the flights. If the traveller is taking the scheme then only 50% of the seats in a flight will belong to the scheme. The rest of the seats will be cost as per the market rate.
- 2500/- will be the ceiling price under this scheme. No other charges will be levied on this price while availing this scheme. This price will be valid only for the one-hour flights.

### List of Udan Scheme Routes

Sno	Routes
1	Delhi to Bhatinda,
2	Delhi to Shimla,
3	Delhi to Kulu,
4	Delhi to Agra,
5	Delhi to Pathankot,
6	Delhi to Pantnagar,
7	Delhi to Ludhiana
8	Delhi to Bikaner,
9	Jalpur to Agra
10	Jalpur to Jaisalmer,
11	Shillong to Agartala,
12	Shillong to Aizawl,
13	Shillong to Dimapur,
14	Shillong to Imphal
15	Shillong to Bicher,
16	Kolkata to Bampur,
17	Kolkata to Cooch Behar,
18	Kolkata to Durgapur,
19	Kolkata to Jamshedpur
20	Kolkata to Rourkela,
21	Puducherry to Hyderabad,
22	Puducherry to Salem
23	Puducherry to Chennai,
24	Ahmedabad to Dlu,
25	Ahmedabad to Dwarika,
26	Ahmedabad to Jamnagar
27	Ahmedabad to Mundra,
28	Mumbai to Kandla,
29	Mumbai to Porbandar,
30	Mumbai to Jalgaon,
31	Mumbai to Nashik
32	Mumbai to Sholepur



# UNDER GROUND SEWERAGE SYSTEM FOR DIU TOWN

DIU MUNICIPAL COUNCIL, DIU ( DAMAN & DIU )

VOLUME- I

PROJECT REPORT & DESIGNS



**Consultant :-**



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**Client :-**

**The Chief Officer**

Diu Municipal Council,

Fort Road,

Diu. ( Daman & Diu )

Ph. No. 02875-252126

**UNDER GROUND SEWERAGE SYSTEM FOR DIU TOWN  
DIU ( DAMAN & DIU)**

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	TOPOGRAPHICAL SURVEY MAP ( GHOGHALA )	DIU/SEW/02/B
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7	DRAINAGE PIPELINE NETWORK ( EAST ZONE - II, DIU ) ( 1 TO 6 )	DIU/SEW/7.A TO 7.F
8	DRAINAGE PIPELINE NETWORK ( WEST ZONE - II, DIU ) ( 1 TO 2 )	DIU/SEW/8.A TO 8.B
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11	DRAINAGE PIPELINE NETWORK ( WEST ZONE - II, DIU ) GROUP NO.3	DIU/SEW/11
12	DRAINAGE PIPELINE NETWORK ( WEST ZONE - II, DIU ) GROUP NO.4	DIU/SEW/12
13	DRAINAGE PIPELINE NETWORK ( WEST ZONE - II, DIU ) GROUP NO.5	DIU/SEW/13
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# Project Report

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<b>A.C.</b>	Asbestos Cement
<b>DMC</b>	Diu Municipal Council
<b>°C</b>	Degree Centigrade
<b>CPHEEO</b>	Central Public Health & Environmental Engineering Organisation
<b>DIA. /dia</b>	DIAMETER
<b>GI</b>	Galvanized Iron
<b>GOG</b>	Government of Gujarat
<b>GOI</b>	Government of India
<b>Gvt.</b>	Government
<b>GWSSB</b>	Gujarat Water Supply and Sewerage Board
<b>hr</b>	HOUR
<b>Ha./ ha</b>	HECTARE
<b>HDPE</b>	High Density Poly Ethylene
<b>I/D</b>	Inner Diameter
<b>Km</b>	Kilometer
<b>LPH</b>	Liter per Hour
<b>LPM</b>	Liter per Minute
<b>LPS</b>	Liter per Second
<b>Mt./Rmt.</b>	Meter/ Running Meter
<b>ML</b>	Million Liters
<b>MLD</b>	Million Litres per Day
<b>MS</b>	Mild Steel
<b>mm</b>	Millimetre
<b>N</b>	North
<b>O/D</b>	Outer Diameter
<b>PVC</b>	Poly Vinyl Chlorine
<b>SOR</b>	Schedule of Rates
<b>Sq. km</b>	Square Kilometre
<b>WSS</b>	Water Supply Scheme

**CONTENT OF VOLUME-I**

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<b>IX</b>	<b>Sewerage Treatment Plant</b>	<b>---</b>



# Cost Estimates

<b>UNDER GROUND SEWERAGE SYSTEM FOR DIU TOWN</b>		
<b>DIU ( DAMAN &amp; DIU)</b>		
<b>RECAPITULATION SHEET</b>		
<b>SR.NO.</b>	<b>DESCRIPTION</b>	<b>ESTIMATED COST</b>
<b>1</b>	SEWERGE PUMPING WELL ZONE-I (GHOGHLA)	<b>6,794,010.00</b>
<b>2</b>	SEWERGE PUMPING WELL ZONE-II (DIU)	<b>7,495,610.00</b>
<b>3</b>	I.P.S 1 TO 3 ( CIVIL WORK )	<b>507,390.00</b>
<b>4</b>	RISING MAIN ZONE-I (GHOGHLA) & ZONE -II (DIU)	<b>8,984,570.00</b>
<b>5</b>	SEWERGE RISING MAIN I.P.S ( 1 TO 3)	<b>763,610.00</b>
<b>6</b>	SEWERGE SYSTEM ZONE-I (GHOGHLA)	<b>36,022,300.00</b>
<b>7</b>	SEWERGE SYSTEM ZONE-II (EAST)	<b>38,548,370.00</b>
<b>8</b>	SEWERGE SYSTEM ZONE-II (WEST)	<b>20,603,760.00</b>
<b>9</b>	SEWERGE SYSTEM GROUP (1 TO 9)	<b>26,585,260.00</b>
<b>10</b>	PUMP HOUSE NEAR PUMPING WELL -2 NOS.	<b>1,620,940.00</b>
<b>11</b>	S.T.P. 10.0 MLD CAPACITY	<b>95,400,000.00</b>
<b>12</b>	PUMPING MACHINERY FOR I.P.S. 1 TO 3	<b>828,080.00</b>
<b>13</b>	DISPOSAL PIPE FROM S.T.P.	<b>3,369,130.00</b>
<b>14</b>	GENERATOR SET	<b>887,600.00</b>
<b>15</b>	HOUSE CONNECTION CHAMBER	<b>33,681,790.00</b>
<b>16</b>	REINSTATEMENT OF C.C. ROAD	<b>19,725,500.00</b>
<b>17</b>	COMPOUND WALL & SITE DEVELOPMENT	<b>12,947,170.00</b>
<b>18</b>	O & M COST OF SEWAGW PUMPING STATIONS	<b>8,127,890.00</b>

	NET TOTAL RS.=	<b>322,892,980.00</b>
	ADD 3% CONTINGENCY =	<b>9,686,789.40</b>
	GROSS TOTAL	<b>332,579,769.40</b>
	2.00 % FOR THIRD PARTY INSPECTION & MONITERING CHARGES	<b>6,651,595.39</b>
	1.50% FOR DPR PREPARATION RS.	<b>4,988,696.54</b>
	0.25% SCRUTINY CHARGES	<b>831,449.42</b>
	TOTAL COST FOR APPROVAL RS.	<b>345,051,510.00</b>

# UNDER GROUND SEWERAGE SYSTEM FOR DIU TOWN

DIU MUNICIPAL COUNCIL, DIU ( DAMAN & DIU )

VOLUME –III

DRAWINGS



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Email : surat@facilemaven.com

## Client :-

**The Chief Officer**

Diu Municipal Council,

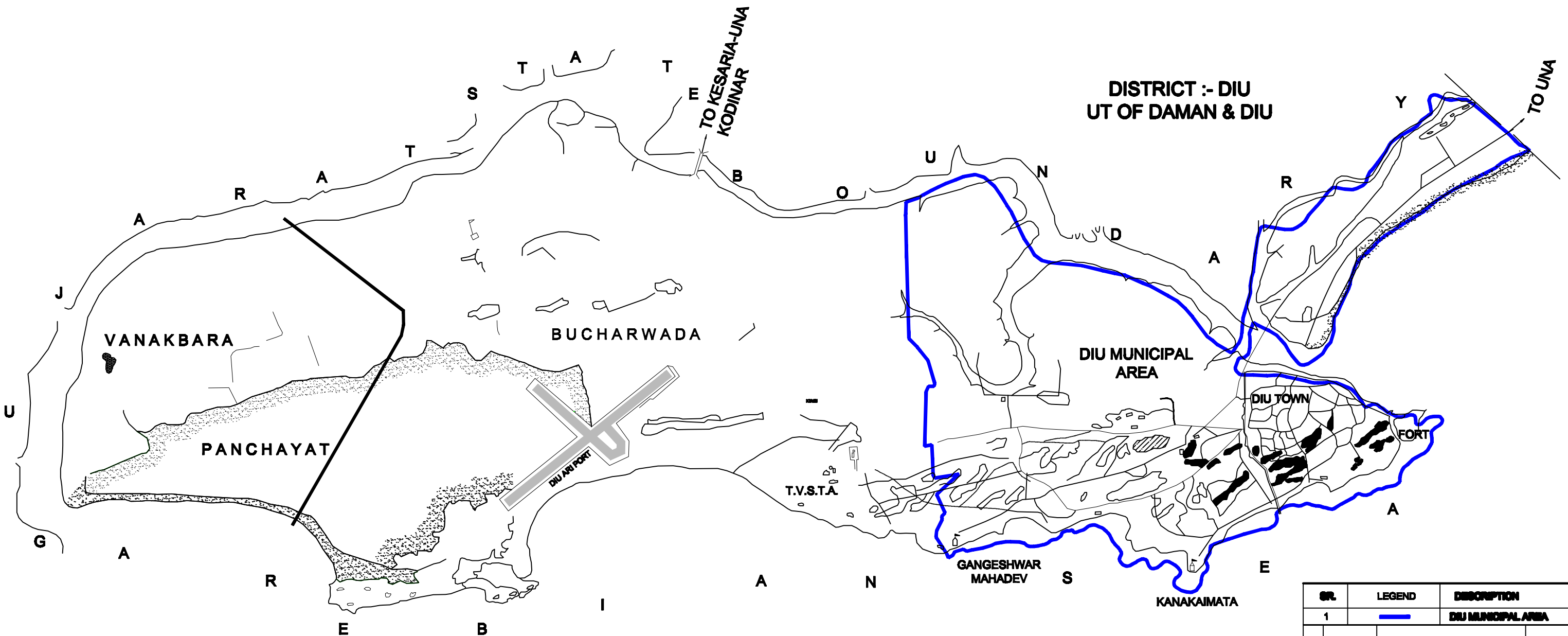
Fort Road,

Diu. ( Daman & Diu )

Ph. No. 02875-252126

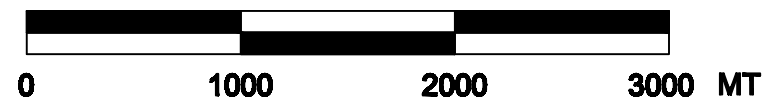


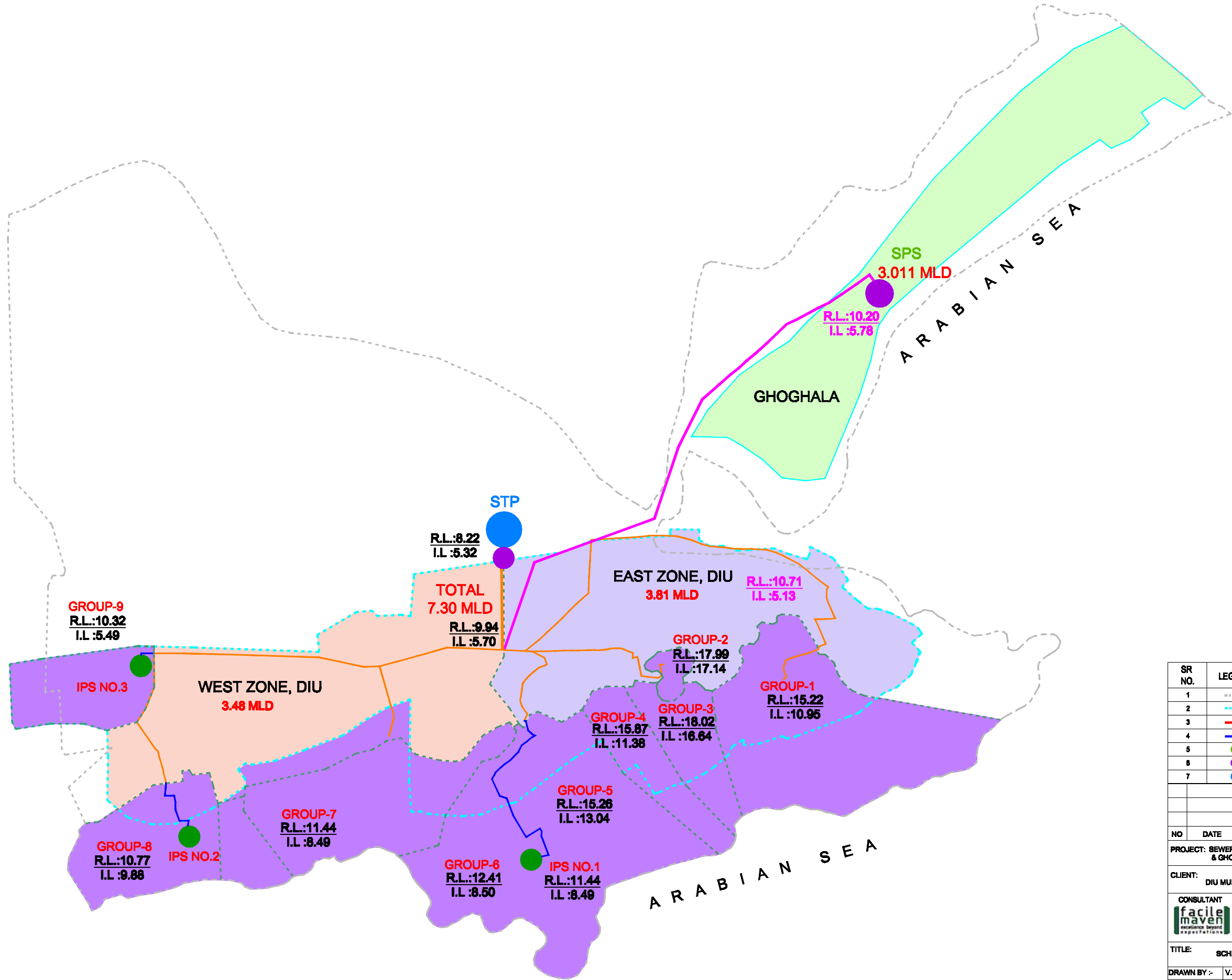
**DISTRICT :- DIU  
UT OF DAMAN & DIU**



SRL	LEGEND	DESCRIPTION	
1		DIU MUNICIPAL AREA	
NO	DATE	DESCRIPTION	SIGNATURE
PROJECT: SEWERAGE SYSTEM WITH TREATMENT PLANT OF DIU TOWN UNDER UIDSSMT SCHEME			
CLIENT: DIU MUNICIPAL COUNCIL, DIU ( DAMAN & DIU )			
<b>CONSULTANT</b>  <small>facile maven</small> <small>excellence beyond expectations</small>		<b>FACILE MAVEN PVT. LTD.</b> <small>A-7002, Acon Plaza, Anand mahal road, Adajan, SURAT, 395009</small> <small>Ph: + 91 - 261 - 9575998 Fax: + 91 - 261 - 2733994 Email: sura@facilemaven.com</small>	
TITLE: LOCATION MAP OF DIU TOWN ( DIU DISTRICT - DAMAN & DIU )			
DRAWN BY >	V.J.PATEL	DESIGNED BY >	S.G.GOSWAMI
CHECKED BY >	HARSHUL PAREKH	PROJ. NO. >	CPN/138
SCALE >	N.T.S.	DRG. NO. >	DIU / SEW / 01
DATE >	2011/10/13	REVISION >	RO

**SCALE**





SR NO.	LEGEND	DESCRIPTION
1	-----	DIU TOWN BOUNDARY
2	-----	DEVELOPMENT BOUNDARY
3	-----	PUMPING MAIN
4	-----	RISING MAIN
5	●	PROPOSED IPS
6	●	PROPOSED STS
7	●	PROPOSED STP

NO	DATE	DESCRIPTION	SIGNATURE

PROJECT: SEWERAGE SYSTEM WITH TREATMENT PLANT OF DIU TOWN & GHOGHLA UNDER UIDSSMT SCHEME

CLIENT: DIU MUNICIPAL COUNCIL, DIU ( DAMAN & DIU )

CONSULTANT: FACILE MAVEN PVT. LTD.  
 A-7002, Ascon Plaza, Anand mahal road, Adajan, SURAT, 3960008  
 Ph: + 91 - 261 - 6575998 Fax: + 91 - 261 - 2733584 Email: surat@facilemaven.com

TITLE: SCHEMATIC DIAGRAM FOR DIU TOWN

DRAWN BY :-	V.N.PATEL	DESIGNED BY :-	S.G.GOSWAMI
CHECKED BY :-	HARSHUL PAREKH	PROJ. NO. :-	CPN/138
SCALE :-	N.T.S.	DRG. NO. :-	DIU / SEW / 04
DATE :-	2012-09-28	REVISION :-	R1

# **Technical Estimates for the proposed Solid waste management plant at Diu** **for Diu Town and Four Village Panchayats**

## **1. BACKGROUND**

The “Diu Municipal Council” (DMC) has initiated various interventions to improve provision and delivery system of solid waste management services within the broad framework of prevailing legal and administrative parameters along with emphasis on optimum utilization of resources, institutional strengthening and financial capacity building to act as catalyst for improving performances of Municipal council of Diu, so as to perform to meet the needs of the citizens without conflicting their interests. Diu Municipal Council and 4 Village Panchayat namely Vanakbara, Saudiwadi, Bucharwada, Zolawadi (hereinafter referred collectively as DMC) is issuing this Request for Proposal .In furtherance of its objectives to improve the solid waste management services to the resident of the town in compliance with the Municipal Solid Waste (Management & Handling) Rules, 2000, CPHEEO Manual, **DMC** has decided to undertake development of Sanitary landfill for the waste generated in Diu Municipal town and the 4 village Panchayats by floating the Turnkey tender for “Civil works and procurement of equipment for development of sanitary landfill, Compost and internal access”. (the project)

## **2. SITE INFORMATION.**

The proposed sanitary landfill site is located at Govt.Land bearing Survey No.53/0.(part) situated at GIDC, Malala of village Bucharwada of Diu district admeasuring 20000Sq.mts.

## **3. BRIEF DESCRIPTION OF THE WORK.**

The scope of work includes

- A. Supply of Primary collection & Transportations items.
- B. Design and construction of Compost plant, Sanitary landfill and associated items including
  - (a) Land development (b) Road works (c) Land scaping with green belt (d) Building works
  - (e) Mechanical works and (f) Electrical works and (g) Other Infrastructure works. The general abstract of works based on the tentative design is tabulated as under

<b>1</b>	<b>LAND DEVELOPMENT</b>
1	Site grading
2	Storm water drain
5	Tube well with pumping arrangement
6	Ground level reservoir
7	Green belt
8	Septic tank (2 nos. for 25 users, each)
<b>2</b>	<b>ROAD WORKS</b>
2	Internal road (1.326 Km in length & 6m in width)
3	Pipe culvert (5 Nos.)
<b>3</b>	<b>CIVIL WORKS</b>
1	Compost plant building with waste receiving yard, compost pad, and maturation yard
2	Sanitary land fill
3	Leachate collection drainage and leachate collection tank
<b>4</b>	<b>BUILDING WORKS</b>
1	Security house
2	Administrative building
3	Substation cum D.G building
4	Toilet block
5	Garage shed
6	Weigh bridge control room
<b>5</b>	<b>MECHANICAL WORKS</b>
1	Supply of equipments for compost plant
2	Supply of equipments for solid waste dumping site
<b>6</b>	<b>ELECTRICAL WORKS</b>
<b>7</b>	<b>LABORATORY</b>
<b>8</b>	<b>WATER SUPPLY, LANDSCAPING, PARKING AREA, ENTRANCE GATE, SECURITY CABIN, ETC</b>

#### **4. SUPPLY OF PRIMARY COLLECTION & TRANSPORTATIONS ITEMS.**



**Following items will be supplied as a part of this contract**

**1. Primary Collection and Transportation**

S.No	Description	Units	Qty	Unit Rate (Rs)	Amount (Rs)
1	Supply & Delivery of single Plastic Bins of Green colours of ISI make 10 liters capacity	No.s	6942	130	902460
2	Wheel Barrows for sweepers at the rate of one number for two sweepers - 4 cft capacity MS make.	No.s	50	3527	176350
3	Mini Autos (0.5 MT) for collection of waste	No.s	14	500000	7000000
4	Metalic wheeled storage bins	No.s	32	28000	896000
5	Tractor	No.s	4	800000	3200000
6	Twin Dumper Placer	Nos	2	1100000	2200000
7	Compactors 6 cum	No.s	2	2000000	4000000
	<b>Total</b>				<b>18374810</b>

**Technical specifications for the above mentioned supply items**

**1. 10 LTR CAPACITY HOUSEHOLD BINS**

The Bin should be one piece molded, heavy duty waste bin of approximately 10 litre capacity made out of FDA approved virgin grades of polyethylene material manufactured from blow molding process absolutely smooth and sanitary, chemical resistant, blended with stabilizers, anti-corrosive, anti-acidic, non-toxic and free from joints, welds or rims provided with molded projections and with molded lids to prevent spreading of smell, flies, mosquitoes etc. Green bins meant for storage of segregated bio-degradable waste at source and blue / black bins meant for storage of segregated non-biodegradable/recyclable waste at source. The bins should satisfy the critical requirement of MSW Rules, 2000.

Top Diameter	240 mm	Bottom diameter	210 mm
Height	300mm	Volumetric Capacity	10 liters
Design of Bin	Specially molded projection for extra strength; high impact strength, rough and tough; round in shape without sharp corners or welds; molded built-in bottom grip (2 Nos.) for easy lifting of bin and unloading of waste.		
Lid	Fully openable	Color	Green and Blue / Black

Durability	Reusable, washable, absolutely smooth and sanitary to satisfy the critical needs of MSW Rules, 2000; 100% rust free and maintenance free; painting and slogan writing as per directions of JNAC.
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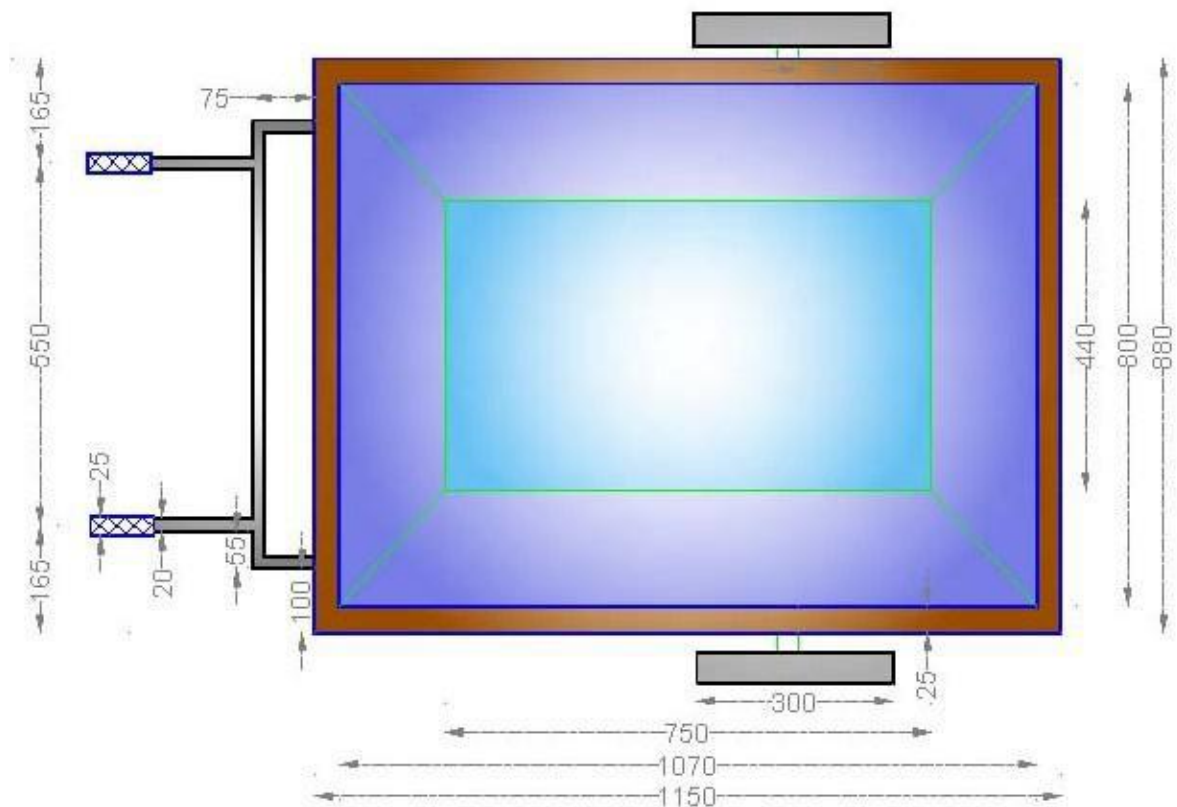
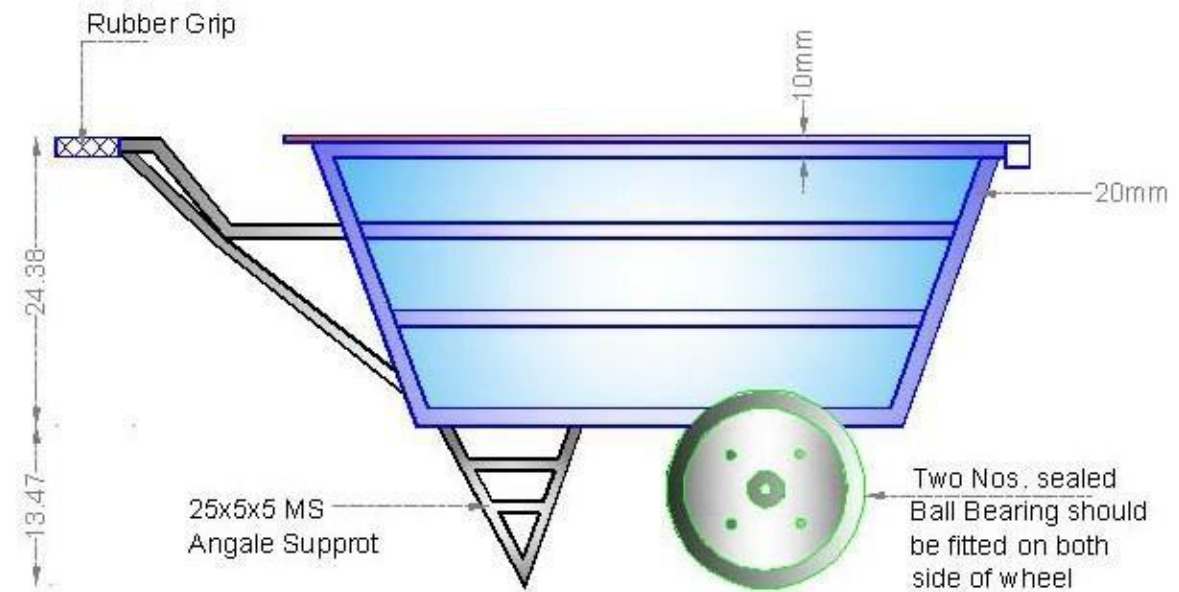
## Household Bin of 10 Ltr. Capacity



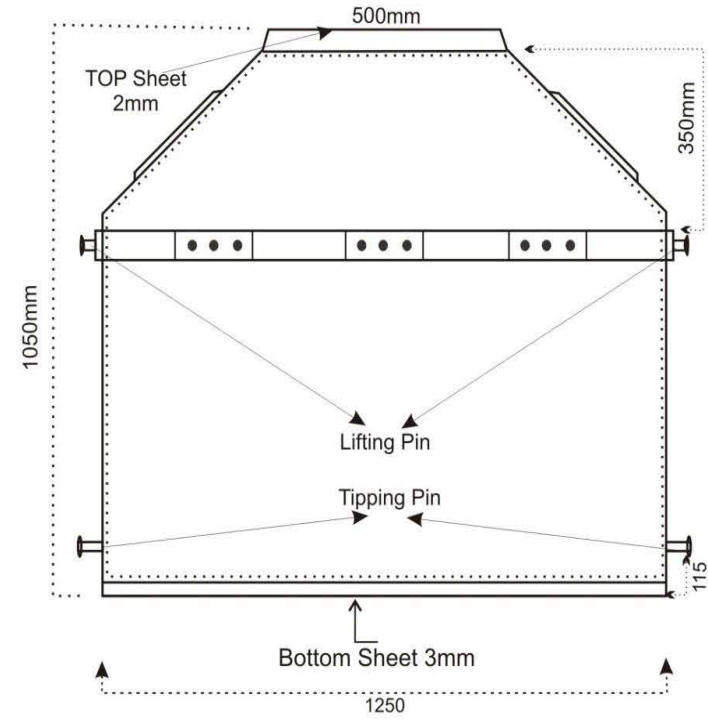
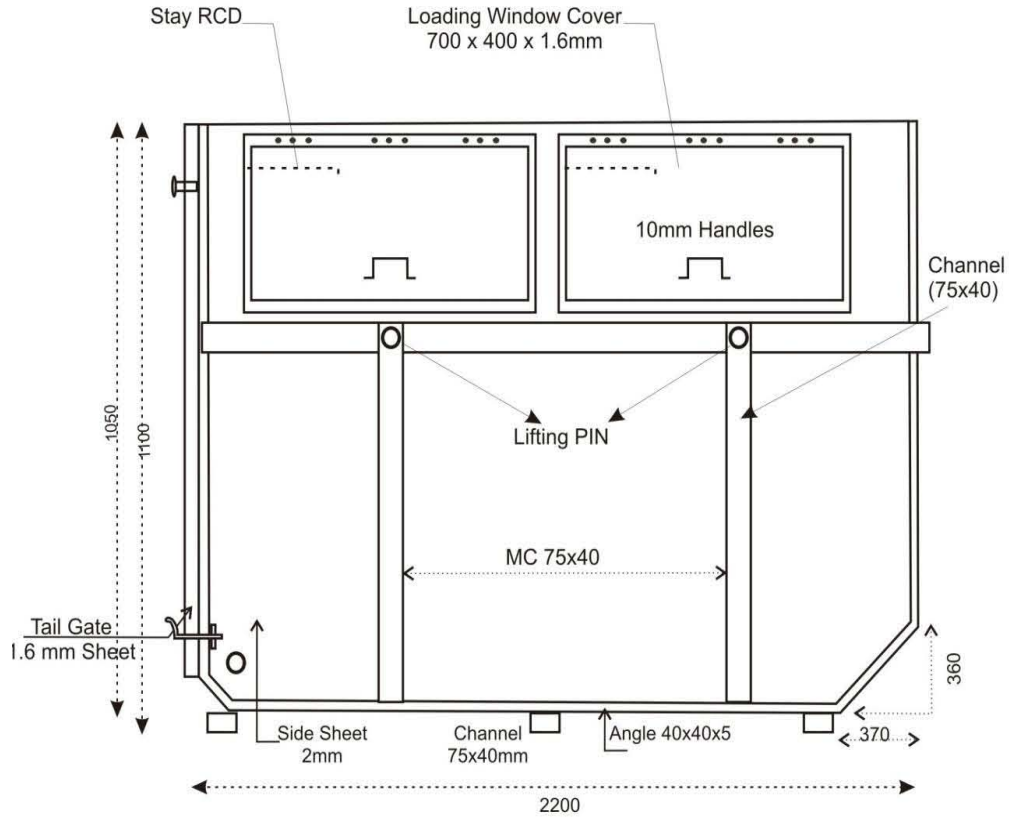
SECTION A.A.

(Tolerance +/- 5%)

**2. LLDPE WHEEL BARROW FOR STREET SWEEPING (CAPACITY 200 LITER)**



### 3. DUMPER PLACER CONTAINER (CAPACITY 2.5 M<sup>3</sup>)





## THE SHIPPING CORPORATION OF INDIA LTD.

(TECHNICAL & OFFSHORE SERVICES DIVISION)

Shipping House, 5th floor, 245, Madame Cama Road, Nariman Point, Mumbai - 400 021

E-Mail: "dirtos.sect@sci.co.in"

(Phone: +91-22-2277 2540; Fax: +91-22-2285 4790)

RFX No.	<b>9000014130</b> Dated 19.09.2017
TENDER TITLE:	<b>CONSULTANTS FOR UTDD PROJECT</b>
TENDER DESCRIPTION	TENDER FOR APPOINTMENT OF CONSULTANTS WITH AN OBJECTIVE TO CARRY OUT TECHNO-ECONOMICAL & FEASIBILITY STUDY OF HIGH SPEED CRAFT SERVICE BETWEEN MUMBAI-DAMAN-DIU
DUE DATE & TIME	<b>03/10/2017</b> (DD/MM/YYYY), <b>1700 HOURS</b> (IST)
TENDER FEE	<b>Rs.1,500/-</b> (RUPEES ONE THOUSAND FIVE HUNDRED ONLY)

### A) BACKGROUND & OBJECTIVE:

The Administration of Daman & Diu and Dadra & Nagar Haveli (UTDD) has proposed to promote a High Speed Craft service between Mumbai and Daman & Diu, using Catamarans. UTDD has appointed SCI as Technical Consultants and requested to arrange for a detailed technical feasibility and economic viability study for the proposed High Speed Craft service.

It is known that there is significant traffic movement between Gujarat and Mumbai by road and rail. This movement is time taking and the routes are extensive because of the geographic peculiarities. The nautical distance between these two locations is quite short in comparison. It is hence believed that there is scope for launching a High Speed Craft service between the these locations and this can result in time saving for the passengers, besides the other antecedent benefits of road traffic shift to a more fuel efficient and carbon friendly mode. In order to evaluate the feasibility of such a service offering, it seeks to appoint suitably qualified consultants.

View above, SCI invites through this tender from Consultants, preferably having office in Mumbai/Gujarat region, a short proposal addressing the following scope:

## **B) SCOPE OF WORK FOR CONSULTANTS:**

The scope of work will include but not limited to the following:

1. **Market / Traffic study:**
  - a) Undertake a detailed market study to establish the need and demand for passenger traffic movements between Daman-Diu-daman and Mumbai-Diu-Mumbai (including traffic growth prospects/ projections & pricing strategy)
  - b) Assess the cost and time profile of the passenger movement between Mumbai - Diu and daman to Diu & vice versa,
  - c) Conducting survey of travellers between these locations and assess their reaction to the concept of travel by sea instead of the current mode considering various ticketing options (rail/road/air) & passenger comfort ability during the trip.
  - d) Assess time preferences departure/arrival at Mumbai, Daman, Diu and any other special requirements the potential passengers may have to prefer such mode of transport and examine scope for service differentiation and differential pricing.
2. **Infrastructure study & planning:** Detailed analysis of existing infrastructure at Daman/Diu and Mumbai and recommended infrastructure requirements ex: water depth in approach channel/ berthing jetty, connectivity from terminal /Jetty to other nearby destinations, passenger terminal facilities, fuel oil facilities, dredging requirements, sea state etc and recommend terminal development and management options (BOOT, BOT etc.).
3. **Technical study:** Proposed catamaran service of about 150 Pax High Speed craft Ferry with 30knots speed for the movement of passengers. However, based on traffic and passenger forecast, consultant /expert agency may also recommend appropriate alternative vessel type for passengers to meet the overall objective of the Project (ex: carriage of passengers & vehicles if the model is prospective/type of vessel/ship/craft-No. of seats/berth-types of berths/seats-sitting/sleeping etc). Consultant may also suggest viable route and time for the round trip. Also, listing out various regulatory aspects applicable to such proposed business venture.
4. **Financial study and operating model:** Based on the projections for revenue and expenses, suggest a financial model for the project highlighting the rate of return from the project (forecast of revenues, forecast of profitability, forecast of financial position, for next 10 years, forecast of liquidity, project financial feasibility etc).
5. **Mode of acquisition & Operating model:** Evaluate various procurement models for the proposed catamaran service (Ownership, wet-lease or any other mode) and present a buy Vs wet-lease analysis and options or opportunities to operate through private vessel operators. Cost of the project (capex and opex)
6. Make a suitable recommendation regarding the Techno-commercial feasibility of the venture and submit a Feasibility Report for the proposed project.

C) **TIMELINES:**

Consultant has to compile the report in all respects within 2 months from the date of award of contract.

D) **SUBMISSION OF OFFER:**

Bids have to be submitted through the website/portal <https://etender.sci.co.in/irj/portal> with RFQ No. 9000014130. Ready Reckoner for the bidders is provided on the home page of this above referred site.

E) **DUE DATE AND TIME FOR SUBMISSION OF OFFER:**

Both the offers (i.e. Technical and Commercial) should be submitted not later than 1700 hours (IST) on 3<sup>rd</sup> OCTOBER 2017 which is the last prescribed date and time for receipt of the offers. The technical offers shall be opened on 4<sup>th</sup> October 2017 at 1100 hrs (IST). Bidders may depute their representatives and shall carry authorization letter (on official letter head) to attend technical bid opening meeting at the following address:

Conference room, 5<sup>th</sup> floor, T&OS Division,  
The Shipping Corporation of India Ltd.,  
Shipping House, 5<sup>th</sup> floor, 245, Madame Cama Road,  
Nariman Point, Mumbai - 400 021, India

F) **CONSULTANCY CHARGES/FEEES:**

- i. Consultants should quote an **ALL INCLUSIVE** Consultancy charges/fees in INR.
- ii. The Rates quoted/ negotiated & agreed by the tenderer shall remain firm during the tenure of the contract/ extended period of contract and **NO ESCALATIONS** whatsoever shall either be claimed or considered.
- iii. The Rates quoted shall be inclusive of all out of Pocket/ travelling/ Miscellaneous Expenses incurred by the Successful bidder while rendering services.
- iv. The rates should be quoted excluding Service tax/GST.

v. **BILLING**

- a. The Consultant shall submit their original invoice, complete in all respect, to the T&OS division of the Corporation, Mumbai.
- b. 100% payment for the consultancy services would be paid on acceptance of Consultant's Report by UTDD and upon release of payment by UTDD.
- c. Any dispute regarding payment must be raised within 90 days from the date of settlement of relevant bills failing which the same will not be entertained.

G) **VALIDITY:**

The rates given in tender should be valid for acceptance by the Corporation up to TWO MONTHS from the due date. In case processing/ acceptance of the tender takes more than two months, the tenderer who wishes to withdraw his Price Offer, shall have to write

to the Corporation within a week of expiry of two months withdrawing his Price Offer, else the rate will hold valid till the tender finalisation.

#### **H) TECHNICAL BID EVALUATION CRITERIA**

The bidders have to score minimum 25 marks in aggregate (out of 50 marks) to qualify in the Technical Bid Stage (as detailed in Section-I). The decision of the Corporation in this regard shall be final and binding on the tenderer.

Once a tender is accepted on technical grounds, then the selection among such technically qualified tenderers would normally be only on the basis of rates quoted. However, the Corporation reserves the right to reject all / any of the tenders, and the decision of the Corporation in this regard shall be final and binding.

Pre-bid meeting can be scheduled, if required, for discussion on scope of works and terms of tender.

#### **I) E-TENDER FEES**

A non-refundable e-tender fees of Rs. 1,500/- (Rupees One Thousand Five Hundred only) has to be paid through electronic remittance only to the following bank account of the Corporation.

Name of Beneficiary: The Shipping Corporation of India Limited  
Current A/C No- 416197198  
IFSC: IDIB000N052  
MICR: 400019020  
Bank Name: Indian Bank  
Bank Address: Nariman Point Branch, Mittal Towers, Ground Floor, 210, Nariman Point, Maharashtra 400021

The tender fees shall be paid before the due date of the tender and the scanned copy of the payment receipt should be uploaded along with the technical bid documents.

Tenders received without tender fees will not be accepted.

#### **J) EARNEST MONEY DEPOSIT**

The Tenderer is required to submit EMD (refundable) of Rs. 15,000/- (Fifteen Thousand only) in either of the following manner:

- i. **Direct online remittance** in SCI's bank account as follows:  
Name of Beneficiary: The Shipping Corporation of India Limited  
Current A/C No- 416197198  
IFSC: IDIB000N052  
MICR: 400019020  
Bank Name: Indian Bank  
Bank Address: Nariman Point Branch, Mittal Towers, Ground Floor, 210, Nariman Point Maharashtra 400021



EMD will be refundable, except on withdrawal of the offer before decision and/or failure of the Tenderer to accept the contract, if awarded.

The copy of Bank's electronic remittance for EMD must be scanned and uploaded along with other technical offer documents. TENDERS RECEIVED WITHOUT EARNEST MONEY DEPOSIT ARE LIABLE TO BE REJECTED.

**K) DESIGNATION AND CONTACT DETAILS OF PERSONS FOR THIS TENDER ARE:**

Vice President I/C (SB&S) or DGM (Projects)

Phone No. +91 22-2277 2540 or 2277 2182; Fax: +91 22 2285 4790

Email: [upendra.kumar@sci.co.in](mailto:upendra.kumar@sci.co.in), [maddila.kumar@sci.co.in](mailto:maddila.kumar@sci.co.in)

**Name of Department : PORT DEPARTMENT, DIU & Daman.**

Sr. No.	Issues	Status
01.	<p><b>Operation of Catamaran by Shipping Corporation of India</b></p>	<p>On 25/06/2014, O IDC in its 118<sup>th</sup> Board meeting discussed to start ferry services between Daman &amp; Diu and gave approval to take up the issue with the UT Administration for operation and maintenance of the vessel and providing sea connectivity between Daman &amp; Diu and for this, the Shipping Corporation of India (SCI) will procure and operate the Catamaran initially atleast for one year.</p> <p>On 15/09/2014, a request from O IDC on the matter received by the Secretary cum Director, Ports &amp; Lighthouse.</p> <p>On 19/09/2014, an agreement by the Chairman, O IDC and SCI for technical consultancy and managerial services for 1 no. New 150 Pax Hogh Speed Passenger Craft was entered into. The SCI has agreed to provide the following services :</p> <ol style="list-style-type: none"> <li>(1) Finalization of Technical Specification including the markets list, Ship Building contract and coordinating in Technical and Commercial Short Listing of participating shipyard to arrive at the copmetative shiyard.</li> <li>(2) Scrutinization and approval of drawing and plans in accordance with the Technical Specification.</li> <li>(3) Arranging for supervision of construction work at the shipyard by deputing / posting required officers to supervise the construction.</li> <li>(4) Corresponding with the shipyard, Classification Society, O IDC and other concerned services as may be required.</li> <li>(5) Certifying the stage, completion and recommending the stage payment as per the terms of the Shipbuilding contract.</li> <li>(6) Any other Technical or Commercial servoces required from SCI.</li> <li>(7) Post delivery and Gurantee matters.</li> </ol> <p>On 01/09/2015, O IDC has asked SCI to float global on wet- lease basis for 8 months from October to May for a period of three years between Daman &amp; Diu. On 04/09/2015, the SCI submitted draft EOI and brief specifications of the Craft for approval to O IDC. On 08/9/2015, O IDC asked SCI to f;oat EOI. On 07/10/2015, Global EOI floated by SCI. On 17/11/2015, for global EOI, only one response received.</p> <p>On 12/05/2016, O IDC aagain asked SCI to hire 150 Pax High Speed Catamaran vessel on wet- lease basis from October to May, 2015 for a period of three years between Daman and Diu.</p> <p>On 20/06/2016 – SCI submitted a draft EOI and specification for approval. On 02/09/2016, O IDC asked SCI to carry out economic and technical feasibility study for operation of Catamaran Services between Mumbai to Diu via Daman.</p>

		<p>Advisor to Administrator had meeting with CMD of Shipping Corporation of India. It was decided to float the tender for economic &amp; Technical feasibility study. This department has also requested to widen the scope of Study as per this office letter dated 09/05/2017.</p> <p>On 03/05/2017, SCI, asked to the MD, Indian Ports Associations, New Delhi for submitting a comprehensive Techno –Economic feasibility study of the project with various operating models. On 15/05/2017, Indian Ports Association, submitted a brief note consisting in three parts, i.e.- (i) Market Study, (ii) Technical – Infrastructure study and planning, (iii) Financial study and selection of Operational model.</p>
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**Cont... 2**

... 2 ...

<b>Sr. No.</b>	<b>Issues</b>	<b>Status</b>
		<p>On 02/06/2017, Indian Ports Association shown willingness to take up the assignment with the certain terms &amp; Condition, total cost to carry out the above study of Rs. 20.54 Lakhs with terms of Payments.</p> <p>Letter dated 12/07/2017 and consequently letter dated 13/07/2017 from the Dy. Secretary (Ports), D&amp;D, Daman informed to SCI, Mumbai that SCI should have the competency to select the agency on nomination basis.</p> <p>Advisor to Hon. Administrator of Daman and Diu and DNH, Daman had meeting with the CMD of Shipping Corporation of India (SCI) at Mumbai on 08/04/2017 .</p> <p>on 25/07/2017 at Silvassa on the Chair of Advisor to Hon. Administrator and Representatives of SCI, Mumbai and DCI, Vizakhapatnam and it was decided SCI to engage expert agency on nomination basis for preparing detailed Economic and Technical Feasibility report. SCI has also to find out berthing places at Diu and Daman for berthing of Catamaran and for embarkation &amp; disembarkation of passengers and also security amenities/ facilities at all ports. And SCI has to submit complete report to UTADD at earliest. The SCI has also to suggest the type of craft suitable for operation and journey like Catamaran, Ship, Cruise, etc.</p> <p>Vide letter No. PO/DMN/TEFS/232/2017-18/124 dated 01/09/2017 convey approval for floating of tender by SCI and confirms</p>

	<p>the scope of work stated in draft letter by UTADD to Vice- President, SCI, Mumbai in respect of Techno- Economic feasibility report for catamaran service.</p> <p>SCI, Mumbai floated Notice Inviting E-Tender (NIT)- Tender for appointment of consultants with an objective to carry out Techno-Economical &amp; Feasibilit Study of High Speed Craft Services between Mumbai- Daman-Diu on 19/09/2017 and due date was fixed 03/10/2017, 1700 hrs (IST).</p> <p>Final status awaited.</p>
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**(P. K. Solanki)**  
**Port Officer, DIU & Daman**



20 Oct 2017

The President,  
Diu Municipal Council,  
Fort Road, Diu.

Subject: Letter of support towards the heritage promotion program & heritage walks  
in the City of Diu

Dear Sir,

We at Khaki Tours are glad to know that Diu has been shortlisted to be developed  
as a Smart City under the Smart Cities Mission of the Government of India.

Khaki Tours has been established with the mission of 'Heritage Evangelism' –  
propagation of heritage conservation through tourism. We promote heritage  
through a slew of activities like walks, open jeep tours, food walks, ghost walks, kids'  
camps, cruises etc. Our initiatives have been covered by various media houses:  
[NatGeo Traveller](#) [The Hindu](#) [The Indian Express](#) [Hindustan Times](#) [DNA](#) [Mid-day](#) [The  
Asian Age](#) [The Mint](#). Most of the activities related to Khaki Tours are currently based  
in Mumbai but we are looking at expanding to the Western parts of India soon.

We are quite heartened to hear that the Diu Municipal Council is intending to  
document and promote the heritage legacy of Diu, and hereby extend our support  
to all the heritage related initiatives proposed in Diu's Smart City Proposal.

A/209, Aster, Dosti Acres, Wadala (E), Mumbai -400037

hi@khakitours.com ✪ www.khakitours.com ✪ +91-8820100111



Particularly, on the subject of heritage walks, if the occasion does arise, we will be keen to develop content, market, promote and conduct heritage walks in this Island City.

We wish Diu Municipal Council the very best in their Smart City Mission initiative.

Regards

A handwritten signature in black ink, which appears to read 'Bharat Gothoskar'. The signature is written in a cursive style and is underlined with two parallel lines.

Bharat GOTHOSKAR  
Founder

# New Diu Auto Ricksha Association



Jethibai Bus Station, D I U - 362 520 ( U.T.)

ન્યુ દીવ ઓટો રીક્ષા એસોસીએશન

જેઠીબાઈ બસ સ્ટેશન - દીવ - ૩૬૨ ૫૨૦

Ref. No.....

Date : 21-10-2017

To,

The President,  
Diu Municipal Council,  
Fort Road, Diu.



**Subject:- Letter of support towards the implementation of the E-rickshaw project proposed under the Smart Cities Mission by Rickshaw Associations**

Dear Sir,

It gives me immense pride that, Diu has been shortlisted to be developed as a Smart City under the Smart Cities Mission of the Government of India.

I support all initiatives proposed in Diu's SCP, however, we are particularly excited about the proposed E-rickshaw project that is going to be implemented in Diu city.

E-Rickshaws is an energy-efficient mode of transport which will help Diu preserving its pollution free status. So, The rickshaw association extends our support to convert over AutoRickshaw to E-rickshaw project under the Smart City Mission.

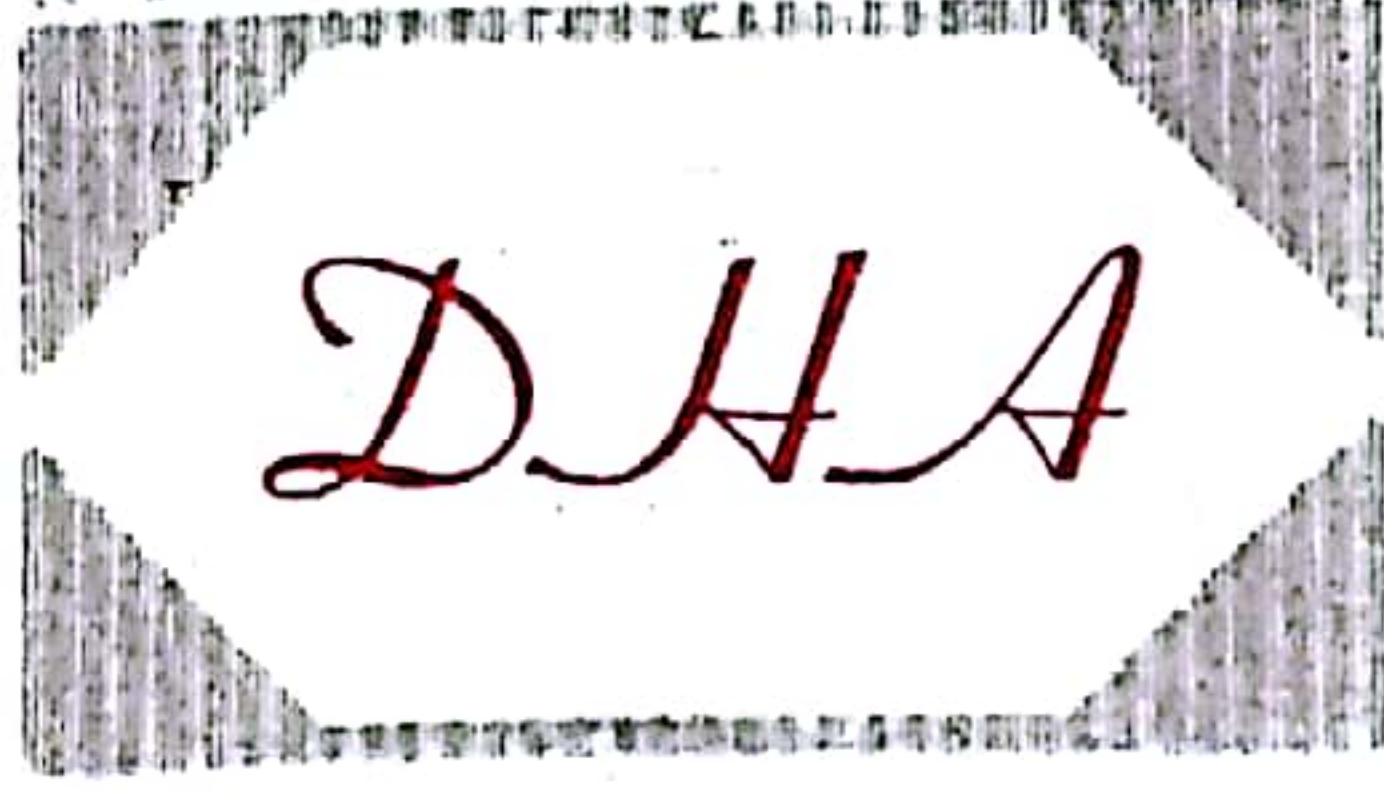
With regards,  
Yours sincerely,

President  
Rickshaw Associations

President  
Diu Auto Rickshaw Association  
D I U

*N. M. Jadhav*

# DIU HOTEL ASSOCIATION - DIU



C/o. HOTEL KOHINOOR,  
FOFRARA-FUDAM-DIU-362 520  
Ph. : (02875) 252209, 253575 - 6 - 7  
Fax : (02875) 252613

Reg. No. 1/1999

Ref. No.....

Yatin K. Fugro  
President

October 16, 2017

Nasrubhai Jiwani  
Vice President

To,  
The President  
Diu Municipal Council,  
Fort Road, DIU

Ganpatlal Daramci  
Secretary

Sub: Letter of support towards Diu's Smart City initiatives under the  
Smart Cities Mission

Mustak kasmani  
Treasurer

Dear Sir,

*It gives us immense pride that, Diu has been shortlisted to be developed as a Smart City under the Smart Cities Mission of the Government of India.*

*We hereby pledge our support to Diu Municipal Council for all its initiatives under this mission.*

With warm regards,  
Yours sincerely,

  
Yatin Fugro  
Diu Hotel Association  
President





**U. T. ADMINISTRATION OF DAMAN & DIU**  
**Diu Municipal Council**  
**DIU-362520**

Dated: 08 /11 /2017

**EMPANELMENT e-TENDER NOTICE NO. 06 /2017-2018/ 1537**

Tender ID no: \_\_\_\_\_

The Chief Officer, Diu Municipal Council, Diu invites on behalf of the President of India, the Request for Proposal under QCBS for Architect Consultancy service from the empanelled Architect Consultants of U.T. of Daman & Diu for the following works:

Sr. No	Name of work and location	Tender Fee none refundable	EMD
1	<b>Selection of Architectural Firms for Providing Comprehensive Architectural &amp; Structural Services for Renovation and Retrofitting work of Heritage building "PANSAO BEIRA MAR" Dak bungalow near Diu Municipal Council, Fort road, Diu.</b>	Rs. 1500/-	Rs.10,000/-

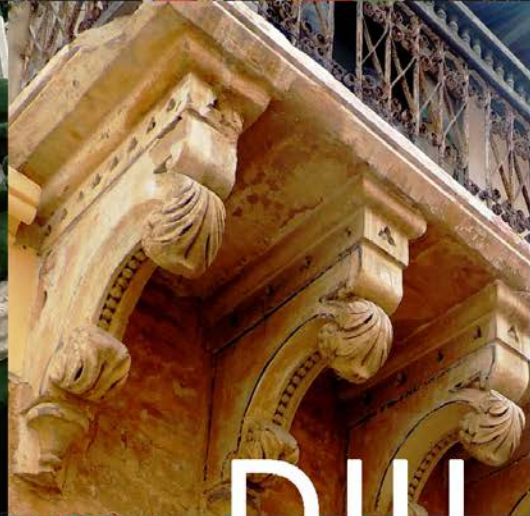
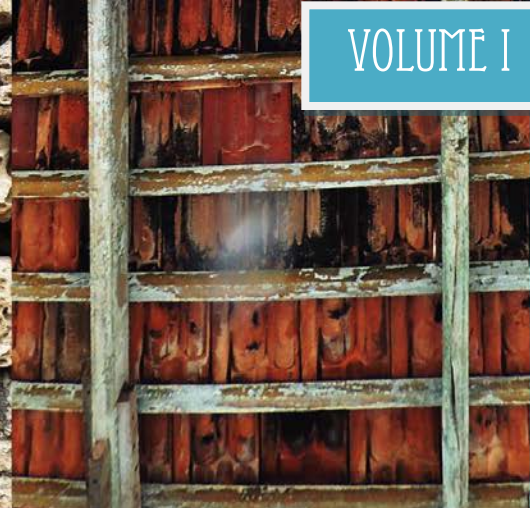
1) RFP documents will be available on [www.nprocure.com](http://www.nprocure.com) Notice also can be seen at [www.diu.gov.in](http://www.diu.gov.in). and [www.diumunicipalcouncil.com](http://www.diumunicipalcouncil.com)

- 2) Downloading of RFP Documents : 08 /11/2017 to 22/11/2017 upto 16.00 hrs.
- 3) Date of online submission : 24/11/2017 upto 16.00 hrs.
- 4) Date of Presentation : 28 /11/2017
- 5) Date of opening of Financial Bid : 30 /11/2017 (if possible)
- 6) Right to accept or reject any or all the Bids without assigning to any reason thereof is reserved by the undersigned.

*Jandans*  
8.11.17.  
Chief Officer,  
Diu Municipal Council, Diu.  
Email : [dmc\\_diu@yahoo.co.in](mailto:dmc_diu@yahoo.co.in)  
☎: 02875-252126

To,

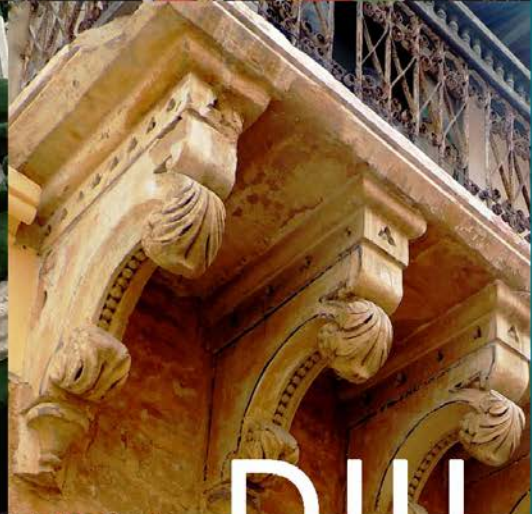
1. M/s Hiren A. Gandhi & Associates, Architect planner & Interior Designers, 2, 'KANUJ' Muni. Staff Housing Society, Behind St. Xavier's Loyala Hall, Memnagar, AHMEDABAD-380052.
2. M/s L. J. Purani and Associates, 303, Gala Business Centre, St. Xavious Collage Corner, Off C.G. Road, Navrangpura, , AHMEDABAD-380009.
3. M/s Parekh Associates, 2nd floor, Shree Complex, 1-Azad Society, AHMEDABAD-380015.
4. M/s. Enarch Consultanta Pvt. Ltd., Consulting Engineer, Planners & Architects, B-66, Sector-63, Naida – 201301 (U.P.)
5. M/s Jag Designers Pvt. Ltd., Jay Ambe House. 4, Sumangalam Society, Opp. Druive in Cinema Gate, B/h Café Coffee day, Bodakdev, Ahmedabad. Mob. No.:- 91 9099902227



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## INVENTORY FORMS

<b>VOLUME</b>	<b>SERIAL NO.</b>	<b>TOWN/VILLAGE</b>
<b>I</b>	DIU/DWC/001 to DIU/DWC/150	DIU WALLED CITY
<b>II</b>	<b>DIU/DWC/151 to DIU/DWC/302</b>	<b>DIU WALLED CITY</b>
<b>III</b>	DIU/FDM/001 to DIU/FDM/023	FUDAM
	DIU/M/001	MALALA
	DIU/VNK/001 to DIU/VNK/034	VANAKBARA
	DIU/BUW/001 to DIU/BUW/004	BUCHARWADA
	DIU/NGA/001 to DIU/NGA/002	NAGOA
	DIU/NAI/001 to DIU/NAI/007	NAIDA
	DIU/GHG/001 to DIU/GHG/065	GHOGLA
	DIU/SIM/001	SIMBOR



# बाल भवन बोर्ड - दीव

## BAL BHAVAN BOARD - DIU

LUHARWADA, DIU - 362520 (U.T.). PH. (02875) 254516. Email : balbhavandiu@gmail.com

Date: 10-11-2017

To,  
The President,  
Diu Municipal Council,  
Fort Road,  
Diu.

**Sub.:- Letter of support towards organizing various events and exhibitions in Diu City Museum.**

Dear Sir,

It gives me immense pride that, Diu has been shortlisted to be developed as a Smart City under the Smart Cities Mission of the Government of India.

I support all the initiatives proposed in Diu's SCP, however, I am particularly excited about the proposed redevelopment of current Diu Museum to City Museum.

I am an artist and Director of Bal Bhavan where I have been facilitating various Exhibitions, Painting Workshops, Poster and Painting Competitions, Events, Dance Competitions and outdoor sessions in Diu for past 40 years. As a Complimentary activity to City Museum I want to implement these activities at a large scale by attracting different artists/historians. This will make the City Museum a vibrant space thereby contributing significantly to the Tourism of Diu.

Hence, I hereby would like to extend my support towards the development of City Museum and operationalization of these activities.

With regards.

Yours sincerely,

**(Premjit Baria)**

Bal Bhavan Board, Diu.

**Director**  
**Bal Bhavan Board, Diu.**



# बाल भवन बोर्ड - दीव

## BAL BHAVAN BOARD - DIU

LUHARWADA, DIU - 362520 (U.T.). PH. (02875) 254516. Email : balbhavandiu@gmail.com

### Festival Calender of D.M.C., Diu.

Tentative Programmes (2017 - 2018)

Sr. No.	Programme	Period	Venue	Artists / Experts from	Collaboration with
1	Diu Festival - 2017	19th to 21st December, 2017	Sports Complex, Diu	Local Groups of Diu	Diu Tourism
2	Kruti - 2018 (A Craft Mela)	19th to 26th December, 2017	Diu Jetty, Diu	Craftsmen from various States of India	WZCC, Udaipur
3	Group Dance Competition	26th January, 2018	Malala Auditorium	Local Groups of Diu	----
4	International Painters Camp	February, 2018	Circuit House - II, Diu	Artists from India and abroad.	WZCC, Udaipur
5	Painting Competition on Earth Day	22nd April, 2018	Open Air Theatre, Chakratirth Beach, Diu.	Invite participate from Daman, Diu & Dadra Nagar Haveli	CEE, Ahmedabad
6	Beach Festival - 2018	30th & 31st October, 2018	Open Air Theatre, Chakratirth Beach, Diu.	Artists from coastal India	WZCC, Udaipur

### Traditional Festival in Diu (With Food Festival and Crafts Mela)

Sr. No.	Programme	Period	Venue	Community	Remarks
1	Gormata Festival	April, 2018	Vanakbara	Koli Gnati	----
2	Vavta Festival	August, 2018 (Rakshabandhan)	Ghoghla	Kharva Gnati	----
3	Kajro Festival	August, 2018 (Shravan ni Choth)	Diu	Vanza Gnati	----

  
10-11-17  
Director  
Bal Bhavan Board, Diu.



# DIU MUNICIPAL COUNCIL

No.24-04-2017/CONST/BYE-LAWS/1404

Dated:-18/10/2017

## PUBLIC NOTICE

**Subject: - Promotion of energy efficient 'green' buildings and rain water harvesting practices in the DMC area.**

All the Citizens of DMC area are hereby informed that on account of projects proposed under Smart Cities Mission, Diu Municipal Council hereby declare its intention to amend its prevailing building bye-laws and Zoning regulation in order to promote energy efficient 'green' building and rainwater harvesting initiatives in Diu . The proposed "green building standards to be followed as under.

1. Green rating for integrate habitat Assessment (GRIHA).
2. Leadership in energy and Environmental Design (LEED)
3. Indian Green Building Council (IGBC)
4. Any other equivalent standard.

All the citizen/public of DMC area are hereby informed to submit their comments, suggestions and objection if any in the above matter within 15 days from the issue of above circular.

The comments, suggestion and objections received form the Citizens of the DMC area will be put up in General meeting of DMC for Consideration for preparing Draft of Amendment in prevailing Building Bye laws and zoning regulation.

*Vandana*  
18.10.17

VANDANA RAO, IAS

Chief Officer

*o/c*  
DIU Municipal Council.

To,

1. All the Councilors of Diu Municipal Council.
2. All the leading Citizens, DMC area, Diu.
3. Office notice board,
4. At Bunder Chowk library notice board.
5. Ghoghla Panchayat office notice board,
6. Panchavati Road Notice Board.
7. Diu Zampa Gate Notice Boards,

1002/2017/ESS/CBG

13 November 2017

To

**The Chief Officer  
Diu Municipal Council**

Dear Sir,

**Sub: Expressing interest to partner with the Diu Municipal Council to establish a Smart City with a network of Connected eToilets**

Greetings from Eram Scientific!

At the onset, we are extremely delighted to note that **Diu Municipal Council** has been selected for the Smart City scheme. It is with much excitement and hope that we look ahead to the positive transformations anticipated in sectors requiring special focus such as infrastructure, technology, sanitation and the like.

The commendable initiative undertaken by the Government in bringing sanitation to the limelight through the Swachh Bharat has created a favorable and promising outlook for innovative solutions in this sector. In this context, I would like to bring to your kind attention the work that we have carried out in the sanitation sector during the past eight years and propose eToilet as a holistic sanitation solution which would align with the overall concept of a Smart City. The unique public sanitation solution offered by eToilets and treatment plants, integrated with Internet of Things aligns with the overall objective of the smart city initiative w.r.t. sanitation.

The highlights such as **unmanned, self-cleaning features, auto pre flush and post flush mechanisms, remote monitoring** through web and mobile app and the eToilet locator app are unique for eToilets. eToilets are 100% environment friendly and is developed on a holistic convergence of the latest technologies in electrical, mechanical, web and mobile. The **"eToilet" Mobile App** can now be downloaded from Google Playstore. Its unique features include locating the nearest eToilets via Map & Address Listings, understanding the mode of operations, mode of access and information on facilities and can be utilized by the authorities to ensure accountability and transparency of operations.



Till date, we have deployed over 2500 eToilets across 23 states, covering the whole of Kerala and major locations in Tamil Nadu, Karnataka, Andhra Pradesh, Telangana, Chattisgarh, Maharashtra, Gujarat, Bihar, Uttar Pradesh, Assam, New Delhi, Haryana, Punjab, Himachal Pradesh, Tripura etc. We have set up eToilets in Smart Cities like Solapur, Jaipur, Tumkur, etc. and the public response for the eToilets have been highly encouraging.

**Eram Scientific being a pioneer in establishing networks of connected eToilet infrastructure in the country, hereby extends our interest to partner with the Diu Municipal Council to establish a network of clean, hygienic and state-of-the-art public sanitation infrastructure and develop a smart technology enabled toilet network in Diu.** Hence, in this context, we request you to include us also in the Smart Cities ecosystem wherein we can offer our expertise for the development of a sustainable public sanitation infrastructure. We look forward to your guidance and support to take up this ambitious project for providing world class public sanitation facilities for the public. Our brochure is enclosed for your kind perusal. More details about us are available at [www.eramscientific.com](http://www.eramscientific.com)

We look forward to your feedback and advice regarding the above.

Thanking You,

Yours faithfully,



**Binay Baby**  
Director



# To-Be Report

Project Management Consultant  
for  
UT Wide Fiber Network

UT Administration of DD and DNH

November 2017

*Submitted to:*

*Dadra and Nagar Haveli e-Governance Society (DNHeGS),  
UT Administration of Daman & Diu and Dadra Nagar &  
Haveli (DD & DNH)*



## Abbreviation

Abbreviation/Acronym	Description
AMC	Annual Maintenance Contract
BOQ	Bill of Quantity
BSNL	Bharat Sanchar Nigam Limited
CAPEX	Capital Expenditure
CCTV	Closed-circuit television
CNO	Cut Not Out
CPE	Customer Premises Equipment
DC	Data Centres
DD	Daman and Diu
DDEGS	Daman and Diu e-governance Society
DG	Diesel Generator
DLC	Digital Loop Carrier
DNH	Dadra and Nagar Haveli
DNHEGS	Dadra and Nagar Haveli e-governance Society
DPR	Detailed Project Report
DR	Data Recovery/ Disaster Recovery
DWC	Double Wall Corrugated
EPC	Engineering, Procurement, Construction
ERP	Enterprise Resource Planning
FTTC	Fiber to the Curb
FTTH	Fiber to the Home
FTTN	Fiber to the Node
GB	Gigabyte
GIS	Geographical Information System
GOI	Government of India
GP	Gram Panchayat
GPON	Gigabit Passive Optical Networks
HDPE	High Density Polyethylene
HQ	Headquarters
INR	Indian Rupee
IP	Internet Protocol
ISP	Internet Service Provider
ISP	Internet Service Provider
IT	Information Technology
KM	Kilometres
KML	Keyhole Markup Language
KMZ	Keyhole Markup language Zipped
KPI	Key Performance Indicators
LAN	Local Area Network
Lat	Latitude
Long	Longitude

LIU	light interface unit
MB	Megabyte
MCU	Multi Conferencing Unit
MOU	Memorandum of Understanding
MPLS	Multiprotocol Label Switching
MTR	Metre
MTTR	Mean Time To Repair
NMS	Network Management System
NOC	Network Operations Centre
NOFN	National Optical Fibre Network
O&M	Operations and Maintenance
ODN	Optical Distribution Networks
OEM	Original Equipment Manufacturer
OFC	Optical Fibre Cable
OLT	optical line terminal
ONT	optical network terminals
OPEX	Operating Expenditure
OTDR	optical time domain meter
P2P	Point to Point
POP	Point of Presence
PPP	Public Private Partnership
PWC	PricewaterhouseCoopers Pvt. Ltd.
QOS	Quality of Service
RCC	Reinforced concrete
RFP	Request For Proposal
ROW	Right of Way
SDN	Software-defined networking
SFP	Small form-factor pluggable
SI	System Integrator
SLA	Service Level Agreement
SNMP	Simple Network Management Protocol
SOW	Statement of Work
TSP	Telephone Service Providers
ULB	Urber Locale Bodies
UPS	Uninterrupted Power Supply
UT	Union Territory
UT Administration	UT Administration of DD and DNH
UT Administration of DD and DNH	UT Administration of Daman & Diu and Dadra & Nagar Haveli
UT DD and DNH	UT Administration of DD and DNH
UTP	Unshielded twisted pair
UTWAN	Union Territory Wide Area Network
VPN	Virtual Private Network

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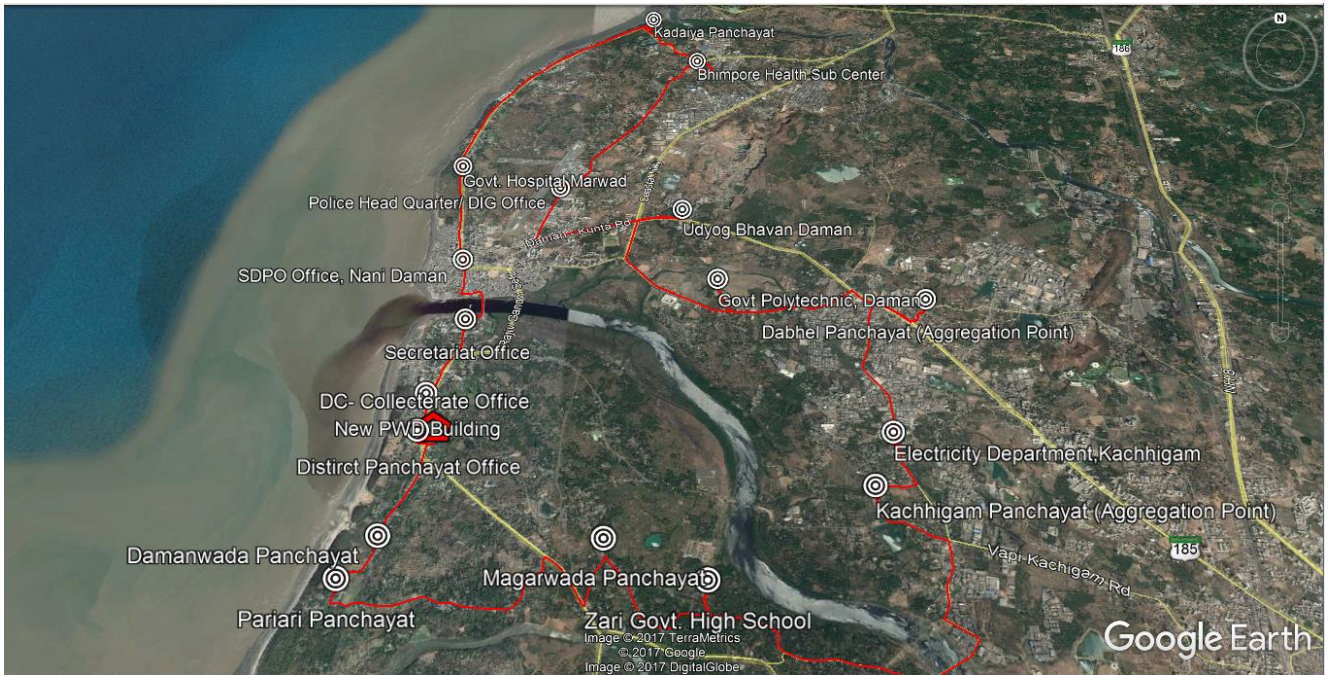
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With the intent of simplifying the points discussed in the above table, we have taken a real example from the proposed design\* of Daman and discussed:



\* There might be changes to the above example due to revisions as per reviews held with UT Administration. However, the conceptual points and advantages shall remain applicable as they are on the architecture and not dependent on a particular path or aggregation point.

Advantages of Ring connectivity compared to Linear or Point to Point (Star) connectivity:

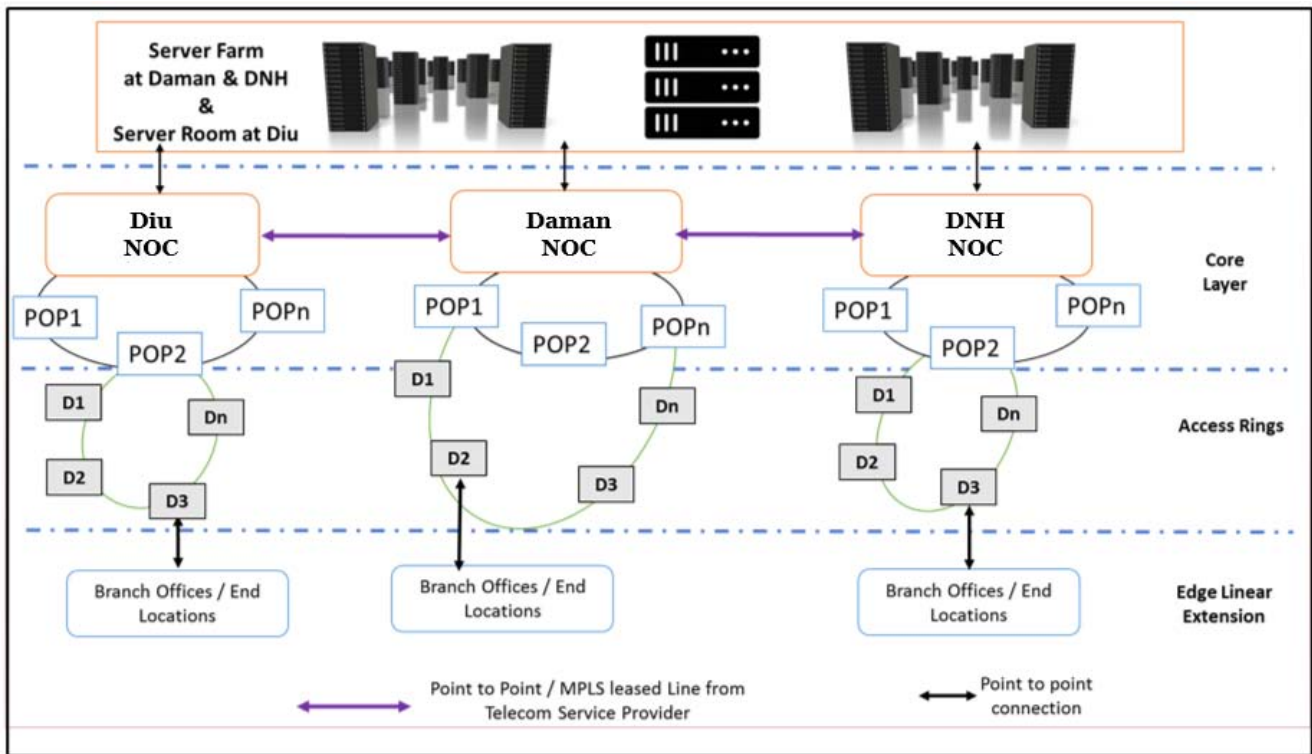
1. Ring connectivity provides 1CNO connectivity. As its name suggests, the location connectivity is not out even if fiber is cut from one side. The connectivity resumes from other side. This is not the case in linear connectivity.  
For ex. RTO office and Kachhigam Panchayat locations which are located approximately 1 Km inside from main road where ring is planned, these locations also get advantage of 1CNO because of 2 separate fiber paths are planned on both sides of road.
2. If these locations were planned with linear topology with only 1 fiber cable on any side of road, they will be disconnected from the Network in the event of fiber cut. But there is little possibility of cutting fiber cables on both sides of road simultaneously because of activities like digging from various Government / private bodies like telecom operators, gas pipe line work, drainage work etc.
3. Generally, RoW permissions are not provided by any authority to work on both sides of road simultaneously because it will impact vehicular traffic considerably. So, ring architecture will reduce the probability of service failure to a great extent.
4. Network design for fully owned Network with cable size in the range of 48C, 24C and 12C will provide high level of scalability in future for ring splitting, future OLT connectivity etc.
5. In case of present linear Network, scalability will not be possible.

### 3.2. Proposed Network Architecture

After the study of current state scenario, a few shortcomings in the current architecture have been identified as detailed in the As-Is Report. The proposed Network Architecture has been designed considering the design principles such as Scalability, Redundancy etc. to provide an optimum robust connectivity solution.

#### 3.2.1. Network Architecture

The below diagram represents the proposed network architecture.



- Collector Office (Diu and Daman) & PDCL office (Silvassa) shall act as central hub location for aggregating traffic and hosting setup of Data Centre/ Server Room/ NOC its respective geography.
- The DC/NOC/Server Room of one geography will act as DR location for other territory to achieve redundancy in monitoring of Network (NOC functionality). In future the DR scope can be increased to achieve redundancy for data, Internet, applications and services depending on the strategy of UT.
- Ring topology proposed connecting through geographically identified- strategic and critical location as POP / Aggregation points.
- MPLS is **proposed between NOC's/Server rooms at Diu, Daman & DNH.**
- The access ring can start and terminate at same POP location as per geography feasibility to achieve higher redundancy of network.
- Internet Bandwidth is proposed at each Server rooms/ NOC/ DC location. All users shall be managed and monitored centrally for internet access as per policy identified for - UT office and Public hotspot users.

The above diagram represents the generic architecture in principle that has been designed.

approx. 1250 meters.

14. Additional chambers to be constructed wherever there is a road crossings or at sharp turns.
15. Additional 12C Fiber shall be used for last mile from chamber joint to the rack enclosure.
16. Additional 12C Fiber shall be used to extend the Silvassa core ring to the Khanvel core ring.

### *3.2.2.2. Access Layer*

#### **Diu:**

1. The access layer comprising of ring topology design which is connected to each aggregation point location.
2. Diu has 12 access ring which are connecting to government offices, Junctions, Schools, PHC, Hospitals, anganwadi etc. to provide connectivity. The Access ring fiber shall be designed based on the number of access locations connected through the access ring. The access ring will be constructed using armored Single mode Optical Fiber Cables (OFC).
3. It shall utilize a 1 Gigabit Ethernet technology.
4. It shall have (1 + 1) configuration of 40mm High Density Polyethylene (HDPE) pipes.
5. The access architecture shall be formed using ring topology.
6. The distance between two Hand Holes/RCC Chamber should not exceed 125 meters.
7. The proposed Access ring length considered is 20% more than surface length i.e. 10% for looping in chambers, 5% for modulation, 1% for splice joint preparation & remaining 4% for wastage.

#### **Daman:**

1. The access layer comprising of ring topology design which is connected to each aggregation point location.
2. Daman has 16 access ring which are connecting to government offices, Junctions, Schools, PHC, Hospitals, anganwadi etc. to provide connectivity. The Access ring fiber shall be designed based on the number of PoP location connected through the access ring. The access ring will be constructed using armored Single mode Optical Fiber Cables (OFC).
3. It shall utilize a 1 Gigabit Ethernet technology.
4. It shall have (1 + 1) configuration of 40mm High Density Polyethylene (HDPE) pipes.
5. The access architecture shall be formed using ring topology.
6. The distance between two Hand Holes/RCC Chamber should not exceed 125 meters.
7. The proposed Access ring length considered is 20% more than surface length i.e. 10% for looping in chambers, 5% for modulation, 1% for splice joint preparation & remaining 4% for wastage.

#### **Silvassa:**

1. The access layer comprising of ring topology design which is connected to each aggregation point location.
2. Silvassa has 16 access ring which are connecting to government offices, Junctions, Schools, PHC, Hospitals, anganwadi etc. to provide connectivity. The Access ring fiber shall be designed based on the number of PoP location connected through the access ring. The access ring will be constructed using armored Single mode Optical Fiber Cables (OFC).
3. It shall utilize a 1 Gigabit Ethernet technology.
4. It shall have (1 + 1) configuration of 40mm High Density Polyethylene (HDPE) pipes.
5. The access architecture shall be formed using ring topology.
6. The distance between two Hand Holes/RCC Chamber should not exceed 125 meters.
7. The proposed Access ring length considered is 20% more than surface length i.e. 10% for looping in

**DETAILED PROJECT REPORT  
FOR  
6.8 MW WIND ENERGY  
PROJECT IN DIU,  
U.T OF DAMAN & DIU**



**Estimated Cost Rs. 51.61 Crore**



Electricity Department of Daman & Diu  
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(October 2017)

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# CONCEPT NOTE ON TELE HEALTH SERVICES PROGRAMME FOR DIU DISTRICT



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## 1. BACKGROUND

World Health Organization (WHO) defines health as a “state of complete physical, mental, and social wellbeing, and not merely the absence of disease or infirmity.” Initially health was looked at in ‘silos’, rather than perceiving it as a component of a whole range of services to the community. With the advent of new scenarios and perspectives within health care, Governments around the world are realizing that health care can no longer be looked at as a single and separate entity. Countries around the world, are striving to provide health care holistically. However, all countries are facing challenges in one form or the other, in achieving this goal. With an ever increasing population on one side, coupled with changing lifestyle and disease patterns, the list of challenges acting as barriers for providing comprehensive health care, are increasing incrementally.

India is no exception to this, as it faces similar or additional challenges in health care service delivery. With the ever increasing number of patients, there is ever increasing demand for health care professionals and infrastructure. However, there is paucity of manpower in health care, starting from qualified medical professionals (doctors) to nursing professionals and lab technicians. Added to this, majority of the existing health work force is concentrated in urban localities, resulting in urban and rural divide. This is leading to lack of accessible, affordable and quality health care. Dual burden of Communicable (CDs) and Non Communicable Diseases (NCDs) is further aggravating the situation.

On one hand CDs are on resurgence, as infectious agents are developing drug resistance and are resulting in mass outbreaks. On the other hand NCDs are not only permeating and affecting both urban and rural areas equally, but also affecting younger and productive age groups. Furthermore, NCDs are leading to reduction in quality of life, by causing morbidity at an early age and mortality (NCDs contribute to 60% of deaths in India). Last but not the least, the lack of primary, preventive and promotive health seeking behavior, among the communities is affecting the fabric of health care.

With an increasing disease burden and resource crunch in terms of availability of health care human resource, and accessibility to available health care services, there is a need for innovative initiatives that can help in overcoming the existing challenges. Technology has evolved as one of the prime enablers or medium, through which various services are being provided to majority of the populace, irrespective of their location. More importantly, there is an increased acceptance of technology among the general public for utilizing services. Information and Communication Technology (ICT) enabled solutions like Telemedicine and Tele-Health services, effectively bridge the existing gap between the supply and demand for health care services. This note is an attempt to enable quality health care services under the leadership of Health Department, Diu, using Apollo Hospitals Telemedicine as a service delivery medium.

## 2. OVERVIEW OF DIU DISTRICT & ITS HEALTH CARE PROFILE:

Diu district forms part of Daman & Diu (Union Territory), and is located in the western part of India. Diu district is spread over 40 sq. kms., and is ranked the 9<sup>th</sup> least populous district in the country, with total population of 52074 and a population density of 1301/ sq. km. The district had a population growth rate of 17.73% (2001-2011) over the decade, with a sex ration of 1030 females for every 1000 males and a literacy rate of 83.36% (2011 Census). The district has predominant rural population, with industries primarily contributing to economy of the district followed by agriculture and tourism. However, the main source of livelihood for the inhabitants of Diu is agriculture.

Health care in Diu district has its own set of positives and challenges. In terms of benefits, the district has well distributed public health care facilities, with 6 Sub Centers, 1 PHC, and 1 CHC. In addition to the above the district also has a Government Hospital. The table provided below outlines details of public health facilities in the district:

*Table 1: Infrastructure of Medical & Health Services in Diu district*

Sr. No.	Health Care Facility	Nos.	Bed capacity
1	Govt. Hospital Diu	1	40
2	Community Health Centre, Ghoghla-Diu	1	30
3	Primary Health Centre, Ghoghla-Diu	1	06
4	Sub Health Centre	6	-----

*Table 2: Health & Demographic Indicators*

Indicator	Total Number
<b>Average Population covered by Sub-Centre</b>	8676
<b>Average Population covered by PHC</b>	52,056
<b>Doctor Population Ratio</b>	1:3253
<b>Bed Population ratio</b>	1 : 684
<b>Birth Rate</b>	16.00
<b>Death Rate</b>	6.00
<b>Infant Mortality Rate (IMR)</b>	2.40
<b>Maternal Mortality Rate (MMR)</b>	0.00
<b>Total Fertility Rate (TFR)</b>	2.3

In addition to the above public health care facilities there are around 31 private health care facilities located across the district.

(Source for the above: <http://diu.gov.in>)

Although, the above indicators reflect availability of health care services in the district, there are challenges in terms of both health care resource availability and disease burden. On the health care resource front, the district faces paucity of specialist doctors for, especially, at the CHC level, which is represented in the table provided below:

*Table 3: Human Resource status unde CHC, PHC & Sub Center*

Indicator	Specialists	Doctors	Nurses	Paramedical Staff	Technical Staff
<b>Sanctioned Strength</b>	02	09	09	18	12
<b>In Position</b>	00	07	00	18	05
<b>Vacancy against sanctioned</b>	02	02	09	00	07

In terms of disease burden, the district faces challenges, especially pertaining to Non Communicable Diseases (NCDs). The table provided below depicts indicators leading to challenges in disease burden:

*Table 4: Maternal & Child Health Challenges (Source: NFHS 2015-16)*

Sl. No.	Health Indicator	Value	
		Urban	Rural
1	Mothers who had full antenatal care	33.2%	44.1%
2	Children under 5 years who are stunted	27.4%	43.3%
3	Children under 5 years who are wasted	21.2%	14.6%
4	Children under 5 years who are underweight	30.0%	31.7%
5	Children age 6-59 months who are anaemic	75.9%	70.1%

*Table 5: Adult Health Indicators contributing to disease burden (Source: NFHS 2015-16)*

No.	Health Indicator	Men		Women	
		Urban	Rural	Urban	Rural
1	Body Mass Index (BMI) below normal	19.4%	19.4%	12.6%	18.9%
2	Overweight or Obese	19.1%	35.0%	34.3%	28.4%
3	15-49 years who are anaemic	13.3	15.1	57.2	52.8
4	Blood sugar level (>140 mg/dl & >160 mg/dl)	2.6% & 2.6%	5.9% & 2.9%	6.2% & 3.0%	6.5% & 2.5%
5	Hypertension	5.2%	8.1%	6.7%	5.7%

### ***Scope for Improvement:***

- 🔥 Requirement for building capacity to improve extended service provisioning among the front line health care service providers
- 🔥 To create healthcare awareness among the rural communities especially pertaining to:
  - Communicable Diseases
  - Non Communicable Diseases
  - Preventive health care seeking behavior
- 🔥 Scope to integrate Telemedicine and ICT infrastructure for betterment of health care service provision in remote and underserved areas of the district
- 🔥 Provisioning, improving and promoting effective utilization of diagnostic facilities such as labs, X-rays and diagnostic services
- 🔥 Tackling emerging diseases, Non-communicable diseases (NCD) like diabetes and hypertension, cardiac problems and COPD; through dynamic combination of screening, and health education
- 🔥 Need to improve health care outreach and access into remote and inaccessible locations

### **3. TELEMEDICINE**

Telemedicine is defined by WHO as, “the delivery of health care services, where distance is a critical factor, by all health care professionals using information and communication technologies for the exchange of valid information for diagnosis, treatment and prevention of disease and injuries, research and evaluation, and for continuing education.” Telemedicine is provision of remote health care services through Information and Communication Technology (ICT), in situations where the healthcare professional and the patient, cannot meet for a physical consultation. Telemedicine is useful in optimizing quality of care by providing timely medical consultation, to benefit patients, who require an appropriate and fast response, for their health condition. By promoting virtual dialogue, it prevents unnecessary transportation of patients between hospitals and allows their monitoring from patient’s location. It not only, provides an important improvement in the supervision of patients, but also, contributes to new means that facilitate sharing of knowledge between health professionals and biological, radiological and ultrasound data. Thus, it is an important factor in better functioning of health system.

### **4. APOLLO TELE HEALTH SERVICES**

Apollo Tele Health Services (ATHS) is an Apollo Hospitals Group Company. Apollo Hospitals is India’s most trusted, private health care service provider with over 3 decades of successful health care service delivery in the Country. Apollo hospitals spectrum of health care services has touched more than 40 million lives at a global level.

Some of the key achievements of Apollo hospitals are:

- More than 10000 beds across 64 hospitals in the Country and abroad
- 7 JCI accredited hospitals
- 9.5 million Preventive health checks
- Servicing patients from over 120 countries and rated among some of the best hospitals in the world
- Conducted over 1,60, 000 cardiothoracic surgeries
- Over 31000 joint replacements
- 2600 liver transplants performed by Apollo Hospitals
- Over 750 bone marrow transplants

ATHS is an affiliate of Apollo Hospitals Group focused on using healthcare IT in innovative ways to deliver quality health care services to the remote and distant parts of India and the deprived nations in the world.

ATHS intends to create a means to deliver cost effective and accountable access to quality medical doctors for primary and expert consultation which will empower rural and semi urban patients at a global level. This objective of ATHS is coupled with building the required awareness and knowledge on basic and primary healthcare among the communities, to ensure that proactive health care seeking behavior is inculcated amongst them. This enables better quality of life even among general and below poverty line communities.

Apollo Tele Health Services evolution and journey so far:

- World’s first V-SAT enabled Rural Hospital commissioned in March 2000 by then US President, Mr. Bill Clinton
- Over 200 Telemedicine centres including overseas Tele clinics
- India’s 1 st high altitude Telemedicine provider on a PPP frame work
- 1st to start Tele-Emergency services for high altitude regions on a PPP framework
- More than 175,000 Tele consultations in more than 25 specialties.
- More than 100,000 primary care tele-consultations (voice & video)
- Using 3G also to deliver healthcare as part of mHealth initiative.
- Inter Apollo Hospital Grand rounds.





Most active establishment in PAN-AFRICAN NETWORK. Largest number of Tele consultations & CME programs provided to 29 African countries under the Pan Africa Project. ATNF represented in National Task force on Telemedicine and other Government of India Committees.

## 5. SCOPE FOR PPP (PUBLIC PRIVATE PARTNERSHIP) PROGRAM, AN INNOVATION TO PROVIDE COST EFFECTIVE & QUALITY HEALTH CARE IN DIU, AS A TURNKEY SOLUTION:

Based on the secondary data study for Diu district; Apollo Tele Health Service (ATHS) is proposing a turnkey solution as part of the Tele Health services programme. Moreover, the key aspects that need to be addressed through this Tele Health Services program are as follows:

- Help eliminate distance barriers and improve access to quality multi-specialty health care services, *virtually*. Provide information that will assist the community in reducing the unnecessary travel to distant locations and thus save money. Enable the community to access seamless health care services as and when the need arises, through the existing Government health system.
- Play an invaluable role in emergency and critical care situations where moving a patient may be undesirable and/or not feasible. Appropriate pre hospital management can often make a major difference
- Facilitate patient and government doctors in rural areas to have access to specialist health information, services and support.
- Reduce rural health practice isolation by enhancing physician, nurse and allied health professionals access to specialists and education
- Use the Tele Health program to create a community linkage program for preventive, promotive health care seeking behavior among the communities, especially to fight against Non Communicable Diseases

The 4 key intervention areas proposed using ICT enabled Tele medicine program through Government health facilities are:

### **5.1. Multi-Specialty Tele-Consultation services at GOVERNMENT HEALTH FACILITIES in existing outpatient departments:**

ATHS will set up in the existing Out Patient Departments-OPDs of the government health facilities, a well-integrated Tele consultation node with the required remote diagnostic devices and seamless Internet connectivity of 2Mbps which will enable Tele-Health Services to the government health facilities from Apollo hospitals. This Telemedicine system will be established in a manner in which, the established system will blend seamlessly with the existing OPDs work flow process and with the support of a well-trained Tele-Health facilitator; patients will be able to get tele-consultation with various specialty doctors from the Apollo hospitals ecosystem in the

presence of government medical officers or trained paramedics. The multi-specialty consultations will be enabled under 2 systems of consultations:

### 5.1.1. System-1 Consultation:

For all patients for whom the duty doctor at the government health facilities requires validation and advice from specific specialty or super specialty doctor (such as orthopedics, cardiology, neurology, etc.). This system of tele-consultation will provide the same, through an online appointment booking system facilitated by the Tele-Health coordinator provisioned by AHS at the government health facilities to book the appointments with multispecialty doctors from Apollo hospitals and will ensure that the patient has consulted with the concerned doctor without any difficulty and the outcome of the consultation is explained to the patient in their regional language along with the patient CEPHIS (Comprehensive Electronic Patient Health Information System) being updated and the concerned referral doctor also being informed both over electronic medium and through personal update by the Tele-Health Coordinator of the concerned government health facilities



### 5.1.2. System-2 Consultation:

Along with System-1 consultations, scheduled virtual Out Patient services for few high demand medical care specialties, will also be activated at specified date and time by AHS in OPDs of the government health facilities, such as: General Medicine, Obstetrics & Gynecology, Orthopedics, Pediatrics, Dermatology, Pulmonary ENT/Ophthalmology, etc.

Remote diagnostic kit comprising of digital ECG, Spirometer, BP meter, etc. will be provisioned at government health facilities in addition to the existing medical equipment already available at the government health facilities. These equipment will help the remote doctors providing tele consultation to check for health parameters of the patients in real time. Thereby aiding in quicker decision making by the tele-consultants for providing medical advice to the remote patients.

*Note: Based on actual field implementation learnings the above specialties can be further expanded or reduced*

## 5.2. Tele-Emergency Support Services at Government Health Facilities:

Tele-Emergency Services is an innovative approach to utilize the urban Emergency specialist to advise a primary physician in remote areas. Studies suggest that 1 in 10 patients brought to Casualties/ICUs/Trauma wards may have survived if, well trained emergency doctor can intervene and provide the initial medical support to stabilize the patient. AHS proposes to use the Tele-Emergency ICT technology with combination of well-defined clinical equipment and medical protocols to provide this service through the available front line medical officers in the government health facilities in their casualty departments. The proposed Tele-Emergency solution will be a

combination of the following, in line with prescribed protocol of the Emergency facilities in Apollo Hospitals:

- 🔥 Training and Orientation in emergency best practices to front line medical teams at government health facilities with an objective of clinical coordination over Telemedicine system between government health facilities doctors and Apollo emergency interventionists.
- 🔥 Clinical equipment being made available at government health facilities as per Apollo hospitals emergency protocol for managing trauma/emergency treatment.
- 🔥 Availability of prescribed emergency medicines at the government health facilities
- 🔥 Availability of medical disposables for emergency wards.
- 🔥 Mission critical availability of Telemedicine system comprising of hardware /software, and video conferencing systems for seamless interactions between casualty department doctors and Apollo emergency doctors.



**Expected Outcomes:**

- 🔥 Improved outcome of patient stabilization, revival and saving lives during emergency admissions in casualty.
- 🔥 Training and capacity building for frontline medical officers at the government health facilities through hands on learning and Continuing Medical Education (CME) programmes.
- 🔥 Innovative model for much needed intervention in rural India.

**5.3. Tele-Radiology services:**

Apollo Hospitals has set up state of the art Tele-Radiology facility with a blend of high end technology infrastructure and well trained, experienced radiologists with required national and international accreditations. This time tested PACS/RIS system has been supporting and servicing various hospitals inside and outside the Apollo group for their Radiology reporting Services. The Tele-radiology department of Apollo hospital is now fully geared to support both domestic and international requirements from medical facilities, clinics and hospitals that have a need for diagnostic radiology report reading services. The radiology department has also trained and created the required sub specialty radiologists such as;

- Neuroradiology,
- Pediatric Neuroradiology,
- Thoracic Imaging Musculoskeletal Radiology,
- Nuclear cardiology, etc.

The proposed model will revolve around using the existing radiology equipment such as XRAY and CT in the government hospitals, existing government radiology technicians will capture and

send investigations to Apollo Radiology department for report inference and reporting back to the respective government health facilities. The required training on the Tele-Radiology system will be provided by AHS to the technicians.

#### 5.4. Tele Ophthalmology Services:

Tele-Ophthalmology, a programme for comprehensive primary and preventive eye care services will form a base for effectively utilization of the benefits of Information technology initiatives to perform the outreach program effectively, with the aim of improving access to quality eye health care in rural areas.

The ICT enabled Tele-Ophthalmic Centres are envisaged as the next generation delivery points for alternate eye care services. The primary objective being defined as follows:

- 🔥 To make eye-care accessible, affordable and accountable
- 🔥 Provide comprehensive eye care by integrating information technology effectively that would facilitate providing easy access to quality care at the doorsteps of the community.
- 🔥 Collaborate with the community and promote eye health education and create awareness proactively.
- 🔥 Develop a system where each patient is accounted and provided best of health care services



Build a robust platform for the front line service providers (Ophthalmic assistants) to learn as they work where by building capacity into the remote eye care - health workers to provide quality and timely services to the citizens.

#### 5.5. Non communicable disease screening services with referral to government health care facilities:

Since Non Communicable Diseases (NCDs) are contributing to major disease burden in the district, AHS proposes to provide an integrated approach, for prevention and control of NCDs. Through Information and Communication Technology (ICT) enabled system, AHS proposes to deploy screening and health education as tools, for permeating awareness among the communities. Under this program, screening services can be enabled on an outreach mode for identifying people ‘at risk’ for risk factors of NCDs. The identified ‘at risk’ can then be referred to government health facilities for further consultation (through telemedicine system for specialty and super specialty) and management. This program will also help in identifying the severity of NCDs, in already affected people, and suggest course correction for avoiding complications and achieving better health outcomes.

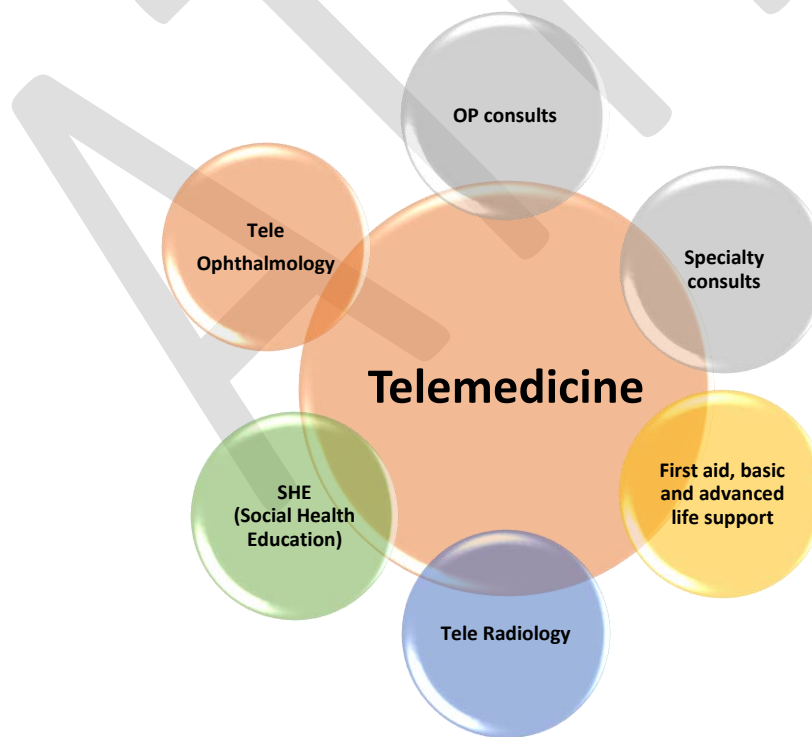
Social Health Education (SHE) plays a very important role in providing awareness on health issues in the community. However, the way of approach towards delivering health education must be specific, focused and understandable to the local communities. For achieving better outcomes under prevention and control of NCDs, health education can be done on an outreach mode. Audio Visual content in local vernacular language can be deployed to seamlessly communicate information to the communities. The program would be implemented with a three-Level approach:

**Level-1: Information and Awareness- IA; *Provide Facts, Remove Myths and Misconceptions***

**Level-2: Empowerment with Accountability-EA; *Reduce ‘at Risk’ Behaviour, Increase Responsible Behaviour***

**Level-3: Collective Community Action-CCA; *Create a Group with individual involvement & Facilitate a Movement***

The 3rd Level, an outcome of the 1st two levels, would result in a group of informed and empowered people who will be able to form powerful action groups to collectively work for creating health care awareness among other people. People who have participated in such programs are trained to resist a variety of unwanted social pressures and protect themselves with better health seeking behaviour. They can also make informed decisions and bring in a change.



## 6. WAY FORWARD

Based on the acceptance of this concept note and number of health centers to be activated under these services, AHS would be happy to provide a detailed proposal with budget.



*All birds find shelter during a rain.  
But Eagle avoids rain by flying above the Clouds  
Problems are common, but attitude makes the difference!*

## Advisory Data Operator

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**From:** Gayatree Oak  
**Sent:** 22 November 2017 11:44  
**To:** Nitesh Ramesh Avhad  
**Subject:** FW: Submission of Concept Note for Tele Health Services in Diu UT  
**Attachments:** CONCEPT\_NOTE\_DIU\_THS\_ATHS 19th Nov 2017.pdf

**From:** dycoll-diu-dd@nic.in [mailto:dycoll-diu-dd@nic.in]  
**Sent:** Monday, November 20, 2017 10:04 AM  
**To:** Hrydhal Damani <Hrydhal.Damani@crsil.com>; Gayatree Oak <gayatree.oak@crsil.com>  
**Subject:** Fwd: Submission of Concept Note for Tele Health Services in Diu UT

----- Original Message -----

**From:** **Krishna Murthy** <[krishnamurthy\\_v@apollohospitals.com](mailto:krishnamurthy_v@apollohospitals.com)>  
**Date:** Nov 19, 2017 10:56:55 PM  
**Subject:** Submission of Concept Note for Tele Health Services in Diu UT  
**To:** [apurva.sharma@gov.in](mailto:apurva.sharma@gov.in), [dycoll-diu-dd@nic.in](mailto:dycoll-diu-dd@nic.in)  
**Cc:** 'Premanand S' <[Premanand\\_S@apollohospitals.com](mailto:Premanand_S@apollohospitals.com)>, 'Lovakanth Nukala' <[drlovakanth\\_n@apollohospitals.com](mailto:drlovakanth_n@apollohospitals.com)>

Sunday, 19<sup>th</sup> November 2017

To,

Shri Dr.Apurva Sharma.EG, DANICS

Deputy Collector & Deputy Director – Health,

Union territory of Diu.

Respected Sir,

*Ref: Telephone discussion on Tele Health Services for the Diu, 18<sup>th</sup> November 2017.*

Thank you for giving us your valuable time in understanding the Tele Health Services for your esteemed Diu Union Territory.

Kindly find the enclosed a detailed concept note of Tele Health services for the Diu for your kind perusal.

we are also sharing the following links about the Apollo Hospitals - Himachal Pradesh Tele Health Services & NCD screening program, Get Active – Targeted community engagement:

1. Real case story of one of the Tele Emergency patient whom we revived through the Himachal Pradesh-Tele Health Services programme for your kind perusal.

<https://www.youtube.com/watch?v=qAed7Vz8Z3A>

2. NCD screening – Get Active – Technology enabled and Targeted health screening program.

<https://www.youtube.com/watch?v=almbM7hB7To>

Looking forward to hearing for your good office sir.

Thank you.

Sincerely,

**Krishna Murthy V** | Sr. Manager - Program Management | Apollo Tele Health Services (ATHS) | Board Number: +91 44 28296638 | Hand phone: +91-9551091887 |

Contact email: [krishnamurthy\\_v@apollohospitals.com](mailto:krishnamurthy_v@apollohospitals.com) | [www.apollotelehealth.com](http://www.apollotelehealth.com) | [www.apollohospitals.com](http://www.apollohospitals.com) |

**| Apollo Hospitals Enterprise Limited | Apollo Hospital Group | Apollo Main Hospital |** Greams Road, Greams Lane, Chennai | Tamil Nadu -600006 | INDIA |

### **Head Quarters**

**Apollo Hospitals Enterprise Limited | Apollo Hospitals Group |** Board Number: +91 40 23606868 | Apollo Health City | Jubilee Hills, Hyderabad | Telangana -500096 | INDIA |

[www.billionheartsbeating.com](http://www.billionheartsbeating.com). Take the pledge to save your heart. Spread the message, you have the power to touch over a billion lives.

[www.askapollo.com](http://www.askapollo.com) Log on for online appointments with doctors or Health Checks at Apollo Hospitals and Clinics.



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Date: 15<sup>th</sup> November, 2017

To,

**The Chief Officer,**  
Diu Municipal Council,  
Fort Road, Diu.

**Subject: - Letter of support towards Diu's Smart City initiatives under the Smart Cities Mission.**

Dear Sir,

We at Nanavati Hospital are pleased to know that Diu has been shortlisted to be developed as a Smart City under the Smart Cities Mission of the Government of India.

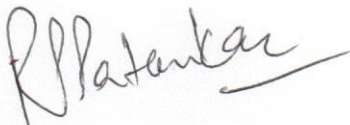
At present, we are successfully offering telemedicine services to more than 20 districts in Maharashtra under the National Health Mission Project of Govt. of MH and other Private center's in the state of Madhya Pradesh. We are conducting on an average 700 teleconsultations per month across more than 30 specialties (general and super speciality).

We are in process to implement Tele-ICU pilot project and have been conducting Tele-CME for doctors under e PAN African network project of Ministry of External Affairs – Govt. of India.

We hereby pledge our support to Diu Municipal Council for all its initiatives under this Mission.

With regards,

Yours sincerely,



**Dr. Rajendra Patankar**  
Chief Operating Officer  
Authorized Signatory



STATISTICS OF TOURIST ARRIVAL IN DIU DISTRICT

Sr. No.	Years	Indian	Foreign	Total
01	1987	17000	1500	18500
02	1988	22100	1900	24000
03	1989	20000	2000	22000
04	1990	22000	5000	27000
05	1991	26000	6000	32000
06	1992	42000	9000	51000
07	1993	55000	12000	67000
08	1994	65000	4000	69000
09	1995	65000	5000	70000
10	1996	66000	6000	72000
11	1997	65000	7200	72200
12	1998	70284	7028	77312
13	1999	74312	6066	80378
14	2000	97164	8768	105932
15	2001	108540	3212	111752
16	2002	129282	1744	131026
17	2003	156361	2566	158927
18	2004	167231	3525	170756
19	2005	166789	5283	172072
20	2006	194728	4369	199097
21	2007	212504	4593	217097
22	2008	219198	5454	224652
23	2009	241192	3629	244821
24	2010	296416	3986	273627
25	2011	327939	3369	331308
26	2012	355688	3669	359357
27	2013	380382	3613	383995
28	2014	354756	2906	357662
29	2015	433985	2724	436709
30	2016	400275	2312	402587
31	2017(July)	249394	1343	250737



# PRADHAN MANTRI AWAS YOJANA-HOUSING FOR ALL (URBAN)

DETAILED PROJECT REPORT  
FOR 260 UNITS UNDER AFFORDABLE HOUSING IN PARTNERSHIP COMPONENT OF PMAY (U)  
FOR DIU TOWN

SUBMITTED BY,  
DEPARTMENT OF URBAN DEVELOPMENT,  
UNION TERRITORY OF DAMAN AND DIU

SUBMITTED TO,  
MINISTRY OF HOUSING AND URBAN POVERTY ALLEVIATION,  
GOVERNMENT OF INDIA, NEW DELHI  
SEPTEMBER 2017

# Format for projects under Affordable Housing in Partnership (AHP)

1	Name of the state	Union Territory of Daman and Diu
2	Name of District	Diu
3	Name of the City	Diu
4	Project Name	DPR under PMAY (U) Under Affordable Housing in Partnership (AHP) Component for Diu Town for 260 Beneficiaries
5	Project Code*	25000001013N0 (state code -25(AB), City code – 000001(CDEFGH), Running no. of Project – 01(IJ), Component code – 3(K), New- N(L), new ) (M)..
6	State Level Nodal Agency	Town & Country Planning Department
7	Implementing Agency(Urban Local Body/ Development Authority/ Housing Board/ Urban Improvement Trust/ Private agency/ Developer)	Diu Municipal Council, Diu

8	Date of approval by state level sanctioning and monitoring Committee (SLSMC)	18/09/2017						
9	Project Cost (Rs. in Lakhs)	Housing	Infrast- ructure	Other	Total			
		2040.865	-	-	2040.865			
10	No. of EWS beneficiaries covered in the project	Gen	SC	ST	OBC	Total	Minority	Person with disability
		14	31	0	215	260	-	-
11	No of houses constructed/ Acquired please specify ownership? (any of these)	Joint		Female		Male		Transgender
		0		244		16		0

12	No. of beneficiaries covered in the project	Male	Female	Transgender
		456	505	--
13	Construction cost of EWS Unit (Rs. In Lakhs)	7.29		
14	Project Duration (in months)	24		
15	Whether Sale price is provided by State/ UT?	No		
16	If yes, Sale price of EWS unit (Rs. In Lakhs)	7.29		
17	Carpet area of EWS unit (in sqm.)	31.00		
18	Total No of houses proposed in the project	280		

	<b>i) No. of EWS units</b>	<b>280</b>
	<b>ii) No. of LIG units</b>	<b>-</b>
	<b>iii) No. of MIG units</b>	<b>-</b>
	<b>iv) No. of HIG units</b>	<b>-</b>
	<b>v) No. of commercial units, if any</b>	<b>-</b>
<b>19</b>	<b>Whether open and transparent procedure has been envisaged to select private partner, if private partner has been considered?</b>	<b>NA</b>
<b>20</b>	<b>No. of EWS houses eligible for Central Assistance</b>	<b>260</b>
	<b>i) Gol grant required (Rs.1.5 lakh per eligible EWS houses) (Rs. in lakhs)</b>	<b>Rs. 390 lakhs</b>
	<b>ii) State grant (Rs. in lakhs)</b>	<b>Rs. 390 lakhs</b>



	<b>a. Land Cost (Rs. In Lakhs)</b>	<b>0</b>
	<b>b. Cash Grant (if any) (Rs. In Lakhs)</b>	<b>0</b>
	<b>iii) Implementing Agency share (Rs. in lakhs)</b>	<b>0</b>
	<b>iv) Beneficiary Share (Rs. in lakhs)</b>	<b>Rs. 1115.089 lakhs</b>
	<b>v) Total (Rs. in lakhs)</b>	<b>Rs. 2040.865 lakhs</b>
<b>21</b>	<b>Whether technical specification/ design for housing have been ensured as per Indian standards/NBC/ state norms?</b>	<b>Yes</b>
<b>22</b>	<b>Whether trunk infrastructure is existing or is being provided through AMRUT or any other scheme? (Yes or No)</b>	<b>No</b>
<b>23</b>	<b>Whether the provision of Civic infrastructure has been made as per applicable State norms/ CPHEEO norms/IS Code/NCB?</b>	<b>Yes</b>
	<b>i) Water Supply (Yes/No)</b>	<b>Yes</b>
	<b>ii) Sewerage (Yes/No)</b>	<b>No (In campus STP may be opted for)</b>

	<b>iii) Road (Yes/No)</b>	<b>Yes</b>
	<b>iv) Strom water Drain (Yes/No)</b>	<b>Yes</b>
	<b>v) External Electrification (Yes/No)</b>	<b>Yes</b>
	<b>vi) Solid Waste management (Yes/No)</b>	<b>No (Door-to-door collection is available)</b>
	<b>vii) Any Other, specify</b>	<b>NA</b>
	<b>viii) In case, any infrastructure has not been proposed, reasons thereof</b>	<b>Already existing</b>
<b>24</b>	<b>Whether adequate social infrastructure facilities covered in the project; If no, whether the same are available in vicinity?</b>	<b>Available in vicinity</b>
<b>25</b>	<b>Whether disaster (earthquake, flood, cyclone, landslide etc.) resistant features have been adopted in concept, design and implementation?</b>	<b>Yes</b>
<b>26</b>	<b>Whether Quality Assurance is part of the Project, if not, how it is proposed to be ensured?</b>	<b>Through TPIM</b>

27	Whether O&M is part of Project, if yes, for how many years?	No
28	Whether encumbrance free land is available for the project or not?	Yes
29	Whether any innovative/cost effective/Green technology adopted in the project	No
30	Comments of SLAC after techno economic appraisal of DPR	-
31	Project brief including any other information ULB/ state would like to furnish	<p>The extra 20 flats (costing around Rs 1, 45, 77,608.20/-) would be funded entirely through the UT Administration and will be used as accommodation for government staff to cope with the shortage of accommodation for government staff. This will allow the UT Administration to leverage the economies of scale and get the government accommodation constructed at a lower cost while still maintaining the quality.</p> <p>O and M would be done through formation of a Residents' Welfare Association. The infrastructure like internal roads, lighting, etc. would be built by the U.T. administration through its P.W.D.</p>
32	Project Submission date to SLSMC	18.09.2017

### INDIVIDUAL HOUSEHOLD LATRINE(IHHL) APPLICATION

Ministry of Housing and Urban  
Affairs, Government Of India



Welcome - Jaydeep Rameshchandra  
Solanki

Thursday, October 5, 2017

Select Language :

English ▼

Logout

[DashBoard](#) [Verify](#) [Status](#) [Profile](#) [Swachhalaya](#) [Aadhaar Updation](#) [Report](#)

[Help](#) (Help.aspx?PageId=ujhva40ctxfhc30p5cjynde4lw1uifq3)

## STATUS OF INDIVIDUAL HOUSEHOLD LATRINE(IHHL) APPLICATION

ULB Name : Diu (M CI)

Commenced Toilets are not counted where Constructed Toilet Photos have been uploaded.

**682**

Application

Received

[More info](#)

**375**

Application

Verified

[More info](#)

**375**

Application

Approved

[More info](#)

**292**

Application

Rejected

More info

**375**

Application

Constructed Toilet Photo

More info

**1**

Application

Commenced Toilet Photo

More info

SNO	Ward No.	Received	Verified	Approved	Rejected	Closed	Constructed Toilet Photo	Commenced Toilet Photo
1	1	46	19	19	26	0	19	1
2	2	53	21	21	32	0	22	0
3	3	2	0	0	2	0	0	0
4	4	1	0	0	1	0	0	0
5	5	1	0	0	1	0	0	0
6	6	0	0	0	0	0	0	0
7	7	27	15	15	11	1	15	0
8	8	100	67	67	31	2	67	0
9	9	109	39	39	68	2	39	0
10	10	113	51	51	59	3	51	0
11	11	93	63	63	26	2	62	0
12	12	48	36	36	11	0	36	0
13	13	89	64	64	24	1	64	0

of India. Content Owned and Maintained by Ministry of Housing and Urban Affairs.