Draft Smart City Proposal for Diu Municipal Council
Outline of Presentation

- Smart City Mission
- Town Profile
- Diu progress
- Citizen Engagement
- SWOT Analysis
- Vision Statement
- Goals
- Area based Development
  - Retrofitting
- Pan-City Initiatives
• The Prime Minister launched Smart Cities Mission under MoUD on June 25, 2015
• Along with this, two other missions, namely, Atal Mission for Rejuvenation and Urban Transformation (AMRUT) and Housing for All in urban area were also launched
• Under the mission 100 prospective smart cities are to be funded Rs. 500 crores each over the next five years.
• The smart city is expected to provide the citizens with physical and social infrastructure as per bench marks. An added advantage is the provision of e-services in order to improve citizen convenience.
• All the schemes will converge in order to realize the aims of smart city.
• Geographical area of DMC is 17.81 sq. km. with population of 23,976 and divided into 13 wards.
• 100 cities – 1.60 crore population to 11200 population.
COMPANY PROFILE – NCPE Infrastructure India Pvt. Ltd.

Year of Establishment : 1996
Company Ownership : Pvt. Ltd.,
Nature of the Company : Infrastructure Designers and Urban Planners

Specializations:

- GIS and Mapping including TS and DGPS Surveys
- Urban Water Supply
- Solid Waste Management
- Sewerage and City Sanitation Plans including Wastewater Treatment
- Financial Management and preparation of FOPs
- Design of Roads & Bridges and preparation of transportation plans
- 3rd Party QA/QC including Materials Testing
- Design of Storm water drainage systems and Sullage Treatment Plants including Septage Management
- Structural Engineering (Municipal Building, Bus Terminus etc., Markets, Commercial complexes etc.)
- Parks, Smriti Parks (graveyards) and conservation of lakes
- Watershed Management
- Project Management Consultancy
- IRMA / TPIMA
### DETAILS OF SIMILAR PROJECTS UNDERTAKEN BY
M/s NCPE Infrastructure India Private Limited

<table>
<thead>
<tr>
<th>Sl. No.</th>
<th>Sector/Type of Projects</th>
<th>No. of Projects/ Cities</th>
<th>Total Project Cost (Approx. Rs. Cr.)</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>GIS and Mapping including TS and DGPS Surveys</td>
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<tr>
<td>2</td>
<td>Urban Water Supply</td>
<td>69</td>
<td>5692</td>
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<tr>
<td>3</td>
<td>Solid Waste Management</td>
<td>6</td>
<td>364</td>
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<tr>
<td>4</td>
<td>Sewerage and City Sanitation Plans including Wastewater Treatment</td>
<td>28</td>
<td>3910</td>
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<tr>
<td>5</td>
<td>Financial Management and preparation of FOPs</td>
<td>12</td>
<td></td>
</tr>
<tr>
<td>6</td>
<td>Design of Roads &amp; Bridges and preparation of transportation plans</td>
<td>11</td>
<td>1921</td>
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<td>7</td>
<td>3rd Party QA/QC including Materials Testing</td>
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<td>2840</td>
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<td>8</td>
<td>Design of Storm water drainage systems and Sullage Treatment Plants including Septage Management</td>
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<td>714</td>
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<tr>
<td>9</td>
<td>Structural Engineering (Municipal Building, Bus Terminus etc., Markets, HAJ House, Vinayak Sagar and Commerical complexes etc.)</td>
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<td>470</td>
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<tr>
<td>10</td>
<td>Parks, Smriti Parks (graveyards) and conservation of lakes</td>
<td>23</td>
<td>97</td>
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<tr>
<td>11</td>
<td>Watershed Management</td>
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<tr>
<td>12</td>
<td>Project Management Consultancy</td>
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<td>884</td>
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<tr>
<td>13</td>
<td>IRMA / TPIMA</td>
<td>116</td>
<td>7600</td>
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<tr>
<td><strong>TOTAL</strong></td>
<td></td>
<td><strong>577</strong></td>
<td><strong>24492</strong></td>
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</table>
# Details of Professionals Involved in Various Projects Undertaken by M/s NCPE Infrastructure India Private Limited

<table>
<thead>
<tr>
<th>Sl. No.</th>
<th>Specialisation</th>
<th>No. of professionals with NCPE</th>
<th>Cumulative Professional Experience (No.of years)</th>
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</thead>
<tbody>
<tr>
<td>1</td>
<td>Urban Planners</td>
<td>3</td>
<td>31</td>
</tr>
<tr>
<td>2</td>
<td>Water Supply Engineers</td>
<td>7</td>
<td>121</td>
</tr>
<tr>
<td>3</td>
<td>Sewerage Specialists</td>
<td>6</td>
<td>109</td>
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<tr>
<td>4</td>
<td>SWM experts</td>
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<tr>
<td>5</td>
<td>Transport Planners</td>
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<tr>
<td>6</td>
<td>Traffic and Highway Engineers</td>
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<tr>
<td>7</td>
<td>Architects</td>
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<tr>
<td>8</td>
<td>Landscape Architects</td>
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<td>9</td>
<td>Interior designers</td>
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<tr>
<td>10</td>
<td>Structural engineers</td>
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<td>11</td>
<td>GeoTechnical engineers</td>
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<tr>
<td>12</td>
<td>SWD experts</td>
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<tr>
<td>13</td>
<td>Irrigation Engineers</td>
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<tr>
<td>14</td>
<td>QA/QC Engineers</td>
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<td>163</td>
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<tr>
<td>15</td>
<td>PMC Experts</td>
<td>43</td>
<td>468</td>
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<tr>
<td><strong>TOTAL</strong></td>
<td></td>
<td><strong>121</strong></td>
<td><strong>1356</strong></td>
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</tbody>
</table>
Strategy

**Area based Development**

- **Retrofitting**
  Introducing planning in an existing built up area to make the existing area more efficient & livable *(500+ acres)*

- **Redevelopment**
  Replacement of the existing built-up environment, creating new layout plan (like mixed land use, increased density) *(50+ acres)*

- **Greenfield**
  Introducing smart solutions in vacant land with innovative planning, affordable housing *(250+ acres)*

**Pan-city Initiatives**

- Applying smart solutions to the existing city-wide infrastructure by using technology
There is no universally accepted definition. Conceptualization varies from city to city and country to country.

Provision of core infrastructure and give a decent quality of life to its citizens, a clean and sustainable environment and application of ‘Smart’ solutions.

Smart city proposal is Conceptual report defining the projects mapped with vision of Diu.

The proposals in the SCP will be implemented by setting up of SPV.
Preparation of Smart City Proposal
PROCESS OF CONCEPTUALISATION

**AIM:** To make DIU a ‘SMART CITY’

**FIRST PHASE CONSULTATIONS**
- Social media/internet
  - Face book, twitter, Mygov.in, newspaper
- Workshops/seminars/awareness camps
- Primary citizen surveys

**Assessment Requirement based on secondary data**
- Deficiency analysis in each sector (area level/ward level/city level)
- List of projects
- Preparation of Line Estimates
- Ground Validation of projects

**SECOND PHASE CONSULTATIONS**
- Prioritization of projects based on need basis and financial viability (STRATEGIC PLAN)

**VISION STATEMENT & GOALS**
- Selection projects (Smart city Mission)
  - Redevelopment projects
  - Retrofitting projects
  - Green Field projects
  - Pan-city projects

**FINANCIAL PLAN/MODEL**
- Phasing of Proposals

**IMPACTS & BENEFITS**
- SMART CITY PROPOSAL
Citizen Engagement

**Online consultation**
- Mygov.in
- Facebook
- Emails

**Questionnaires**
- Citizens
- Councilors, experts, subject matter specialists

**Meetings**
- Councilors, Citizens, chamber of commerce

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<table>
<thead>
<tr>
<th>Activity</th>
<th>Count</th>
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</thead>
<tbody>
<tr>
<td>Upload on Mygov.in portal</td>
<td>430</td>
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<tr>
<td>Response by Questionnaires</td>
<td>480</td>
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<tr>
<td>Essay writing competition</td>
<td>64</td>
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<tr>
<td><strong>Meetings:</strong></td>
<td></td>
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<tr>
<td>Ward councilors</td>
<td>1</td>
</tr>
<tr>
<td>Focus Group discussions</td>
<td>6</td>
</tr>
<tr>
<td>Expert interactions &amp; discussions</td>
<td>8</td>
</tr>
</tbody>
</table>
Preliminary Interactions

Purpose
- Preliminary interactions with stakeholders
- Sensitization on smart city mission
- Preliminary views on smart city Initiatives

Outcome
- Citizen engagement procedure
- Stakeholder list
- Schedule
Awareness through newspaper and audio announcement in town
Essay & Painting Competition

Purpose
• Sensitization on smart city mission
• Seeking views of all age groups
• Visualization of smart city

Outcome
• Awareness on smart city
• Reach out to wide public
• Vision Statement
Interaction with inter department officials in presence of District Collector

**Purpose**
- Introduction of initiative
- Seeking views from inter-department
- Departmental vision
- Preparedness for mission
- Sector wise tentative projects

**Outcome**
- Tentative projects
- Baseline data
- Ongoing projects
- Projects in pipeline
- Possible convergence
Now....

- Initiatives taken by DMC
  - Sewerage System with Treatment Plant for Diu Town & Ghoghla.
  - Construction of 8 MLD Water Treatment Plant
  - Solid Waste Management for Diu Municipal Council Area and District Panchayat, Diu.
  - Beautification of Sunset Point and Chakratirth Beach, Jogging Track
  - Construction of New Vegetable/Fish Market at Diu.
  - Construction of Gym, Indoor Games with Swimming Pool
  - Construction of Viewing Deck on Heritage Wall at Chandikamata, Diu.
  - Construction of Flood Protection Wall with Beautification at Mithabava, Ghoghla-Diu.
  - Beautification of Bunder Chowk and Jethibai Bus Stand, Diu
Diu Progress during last three years

- **Project cost**
  - Amount sanctioned – Rs.38.60 crores
  - Cost of works done till now Rs.11.77 crores

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WTP UNDER CONSTRUCTION AT DIU

Solid waste Dumping yard
Initiatives Under Progress

- CYCLE TRACK, AIRPORT ROAD
- SWIMMING POOL & INDOOR STADIUM
- CONSTRUCTION OF JOGGING TRACK, ASHOK NAGAR
- CONSTRUCTION OF VEGETABLES & FISH MARKET
Photographs of Field Visits
Existing Condition / Status of Physical, Social and Housing in various parts of DIU Municipal Area
Existing Condition / Status of Physical, Social and Housing in various parts of DIU Municipal Area
Existing Condition / Status of Physical, Social and Housing in various parts of DIU Municipal Area
Citizen consultations and Essay Competition
Priority 1: Water supply
Priority 2: Sewerage
Priority 3: Solid Waste Management
Priority 4: Communication
Priority 5: Health
- Water supply
- Housing
- Solid waste management
- Parking
- Employment for locals
- Conservation of heritage
- Protection of coastal line from sea erosion
- Improving teaching aids
- Beautification of tourist places
- Public transport
- Security at beaches
- Employment generations
- Skill development courses
**STRENGTHS**
- Potential Smart City
- Picturesque island with pristine marine life
- High potential for tourism development
- High literacy rate
- High per capita income
- Peaceful social life with low crime rate
- Steady population growth

**WEAKNESSES**
- Deficiency of infrastructure
- Lack of industrial development
- Skewed growth concentrated in southwest pockets
- Migration of workforce to European countries
- Dependence on mainland
- Lack of Irrigation facilities

**OPPORTUNITIES**
- Development of tourism and fisheries
- As a union territory, ease of mobilization of developmental budget
- Use of renewable energy sources like solar power leading to environmental conservation
- Waterfront recreational developments for attracting tourists
- Establishment of incubation center for development of innovative ideas as literacy level is high

**THREATS**
- Susceptible to natural disasters like floods, high tides, Tsunami, earthquakes etc.
- Non-sustainability of the economy and dependence on grants
- Migration of qualified citizens to the mainland
- Old and depleted buildings with inadequate safety equipment
- Possibility of damage to the fragile ecological balance due to unplanned development
To develop Diu as a zero carbon footprint city & promote as tourist destination, preserving its heritage and to enhance the social & economic living of citizens by guiding the development in sustainable manner, conserving eco-fragile areas and inviting investments.
**Smart city Goals – Diu**

**SUSTAINABILITY (Environmental & Economic)**
- Solar power plant
- Waste Water Recycling
- Tourism Promotion

**BASIC SERVICES (100%)**
- Water Supply
- Sanitation
- Solid Waste Management
- Housing

**URBAN MOBILITY**
- Battery operated buses
- Cycle tracks
- Pedestrian pathways
- Vehicle free zones

**SMART SOLUTIONS**
- Smart Metering
- E-governance
- Surveillance cameras
- Grievance portal

**SOCIAL SERVICES (100%)**
- Education
- Healthcare
- Recreation
- Protection at beaches

**ECONOMY & EMPLOYMENT**
- Skill development centers for women and youth
- Enhancing tourist facilities to create employment
- Strengthening of fishing sector

**SUSTAINABILITY (Environmental & Economic)**
- Solar power plant
- Waste Water Recycling
- Tourism Promotion
Features of Smart City

**Urban Planning**
- Mixed use
- Compactness
- Housing and inclusiveness
- Identity and culture

**Water supply and sanitation**
- Water supply
- Waste water management
- Water quality
- Sanitation
- Waste management

**Urban Mobility**
- Transportation and mobility
- Walkable
- Air quality

**Social facilities**
- Health
- Education
- Open spaces
- Safety

**Economy**
- Economy and employment

**Energy Management**
- Energy efficiency
- Energy supply
- Energy source
- Underground electric wiring

**E- governance**
- IT connectivity
- Intelligent Government services

**Citizen engagement**
- Citizen participation
Strategy for Diu

SMART DIU

Area based Development
- Smart meter waters
- Rainwater harvesting
- Waste water recycling
- Segregation of waste
- Upgradation of street lights
- Vehicle free zones
- Battery operated buses
- PIS in health sector
- Regularization of Informal sector
- Strengthening teaching aids
- Free Wifi zones
- Skill development centers
- Kiosks for tourists and citizens

Pan-city Initiatives
- Online Municipal services
- Dial a service facility
- Surveillance cameras
- Complaint registration centers
Area based Development Proposals
Water supply

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Water treatment Plant - 8 MLD – under progress
Smart water meters
Rain water harvesting

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Sewerage

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Sewerage system
Recycling of waste water
Dual pipe system in Government buildings and Institutions
Public Toilets at fort road, opposite to fisher-man shed in Ghogla and in tourist locations
Solid Waste Management

| Provision of bins for segregation at source - household level |
| Solid waste trucks with separate bins for dry and wet waste |
| Walky - talky system to get updates on management of waste |
| Online monitoring system of Source to disposal point |

Energy

| Replacement of Conventional street lights with LED lights |
| Provision of Solar LED lights in street lights, public places and parks |
| Solar Power Plant 6 MW - under progress |
### Walkable

<table>
<thead>
<tr>
<th>Making fort road as Vehicle-free zone</th>
</tr>
</thead>
<tbody>
<tr>
<td>Foot paths, street furniture and signage along fort road, all tourist locations, entry and exit of Ghogla bridge</td>
</tr>
<tr>
<td>Provision of cycle tourism - fort to jalandhar beach - Bandhar chowk to fort</td>
</tr>
</tbody>
</table>
Cycle track from Fort Road to Jalandhar Beach

Diu Museum Area

Naida Caves

Way to circuit house

Diu Fort

Jalandhar Beach
Transportation and Mobility

<table>
<thead>
<tr>
<th>Redevelopment of bus station, bus shelters with smart display</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fitment of GPS on buses and Passenger information system at sub shelters</td>
</tr>
<tr>
<td>Battery operated buses on major feeder roads and fort road</td>
</tr>
<tr>
<td>Multi-level parking facilities at Bandar Chowk, behind the vegetable market near Diu-Ghoghla bridge</td>
</tr>
</tbody>
</table>

**View of Existing Bus station (Diu)**
A view of Proposed Bus station (Diu)
Views of Proposed Bus station (Ghoghla)
Three Tier Hierarchy Network System
Vehicle free Lane – Fort Road
### Compactness, Housing & Inclusiveness

<table>
<thead>
<tr>
<th>Project Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Retrofitting of foreign bazar with new building at fort road</td>
</tr>
<tr>
<td>Development of recreation center at Diu - Goghla bridge - Gandhipura by providing laser show, multiplex, open air theatre, boating</td>
</tr>
<tr>
<td>Provision of housing in G+2 pattern at land behind court in Gandhipura</td>
</tr>
<tr>
<td>Provision of parking facilities for residents to park their vehicle for longer periods</td>
</tr>
<tr>
<td>Food court at Diu-Goghla Bridge</td>
</tr>
<tr>
<td>Enhancement of the informal sector at bandhar Chowk, Diu gate by providing designated stalls</td>
</tr>
</tbody>
</table>
Recreational center at Ghoghla – Diu bridge
• Open air auditorium
• Multiplex
• Laser Show
• Food Court

Multi-level parking
Retrofitting of Market places

Food court – Regularization of informal sector

Retrofitting of foreign bazar & vegetable Market
New Vegetable & Fish Market at Diu
Indoor Sports Complex with Swimming Pool & Gym at Ghoghla-Diu
## Education

- Improvement of education facilities by introducing e-classrooms
- Technical training for youth
- Career counselling centers
- Smart Teaching aids (Digital boards, Projectors, computers, labs)
Health

Patient information system with dial a doctor, online medical assistance facility
<table>
<thead>
<tr>
<th>Skill Development Centers for Women and Youth Providing Job Training in Mechanical, Computer, Fishing, Handicrafts, Cottage Industrial Skills, Cooking, Hotel Management, Language Skills.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Creating Job Opportunities by Strengthening the Tourism Sector, Improving Tourist Locations and Promoting Tourism</td>
</tr>
<tr>
<td>Strengthening of Fishing Industry by Providing Cold Storage Near Panjarapura &amp; SP Office</td>
</tr>
</tbody>
</table>
### Identity & Culture

- Conservation of Heritage buildings
- Safe-guarding of existing beaches by discouraging encroachments and new developments
- Beautification of Naida caves
- Color code for buildings
- Improvement of major road intersections with urban elements - news paper/book stands, route map displays, history boards
- Protecting the fort wall on seafront and the coastal belt from sea erosion
Sunset viewpoint & Viewing Deck
Sunset Point at Chakratirth Beach, Diu
Viewing Deck on Heritage Wall
Beautification of Naida caves

Beautification of Naida Caves
Flood Protection wall at Ghoghla
Beautification of Jogging Track Ghoghla
Intelligent Government services

- Citizen information centers
- Tourist information kiosks in the city

Safety

- Lifeguard and beach safety
- Display of help line numbers in all locations
# PAN CITY PROPOSALS

## IT enabled public service delivery system
- Online Registration of Birth & deaths
- Online utility payments
- Online application for building permission
- Online tax Payment
- Know your city Page for new developments/amendments
- Online grievance facility
- Provision of service core trench under ground

## Safety & Security
- Surveillance cameras in the city

## Social Security
- “Dial a Service” facility for Senior Citizens through 24X7 call center
- Complaint registration centers in the town with telephone and drop box service
# Projects Identified under Smart City Initiative for Diu Municipal Council

<table>
<thead>
<tr>
<th>S. No.</th>
<th>Sector</th>
<th>Project</th>
<th>Proposal being implemented by DMC/ Proposal Stage (Cost Rs. Crores)</th>
<th>Project cost/ SCP (in crores)</th>
<th>Convergence</th>
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</thead>
<tbody>
<tr>
<td>1</td>
<td>Water Supply</td>
<td>Water Supply Project (8 MLD)</td>
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<td>Smart water meters</td>
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<td></td>
<td></td>
<td>Rain water harvesting</td>
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<td>3.50</td>
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<tr>
<td>2</td>
<td>Sewerage</td>
<td>Sewerage system</td>
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<td>43.00</td>
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<td></td>
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<td>Recycling of waste water</td>
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<td>1.50</td>
<td></td>
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<tr>
<td></td>
<td></td>
<td>Dual pipe system in Government buildings and Institutions</td>
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<td>1.00</td>
<td>Swachh Bharath Mission</td>
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<tr>
<td></td>
<td></td>
<td>Public Toilets at fort road, opposite to fisher-man shed in Ghogla and in tourist locations</td>
<td></td>
<td>0.50</td>
<td></td>
</tr>
<tr>
<td>3</td>
<td>Solid Waste Management</td>
<td>Provision of bins for segregation at source - household level</td>
<td></td>
<td>0.35</td>
<td>Swachh Bharath Mission</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Solid waste trucks with separate bins for dry and wet waste</td>
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<td>1.00</td>
<td></td>
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<tr>
<td></td>
<td></td>
<td>Walky - talky system to get updates on management of waste</td>
<td></td>
<td>0.50</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>Online monitoring system of Source to disposal point</td>
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<td>1.00</td>
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<tr>
<td></td>
<td></td>
<td>Solid waste treatment plant</td>
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<td>13.5</td>
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<tr>
<td>4</td>
<td>Energy efficiency</td>
<td>Replacement of Conventional street lights with LED lights</td>
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<td>10.00</td>
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<td></td>
<td></td>
<td>Smart power grid with auditing at all levels (Generation, Transmission and House Service Connection Level)</td>
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<tr>
<td></td>
<td></td>
<td>Fulfill all power requirements through solar energy only to make Diu 100% Solar Energy City including roof toping with solar panels</td>
<td></td>
<td></td>
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<tr>
<td></td>
<td></td>
<td>Provision of Solar LED lights in street lights, public places and parks</td>
<td></td>
<td></td>
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</tr>
</tbody>
</table>
## Projects Identified under Smart City Initiative for Diu Municipal Council

<table>
<thead>
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</thead>
<tbody>
<tr>
<td></td>
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<td><strong>Area Based Development Proposals</strong></td>
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<td>5</td>
<td>Walkable</td>
<td>Making fort road as Vehicle-free zone</td>
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<td>1.00</td>
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</tr>
<tr>
<td></td>
<td></td>
<td>Foot paths, street furniture and signage along fort road, all tourist locations, entry and exit of Ghogla bridge</td>
<td></td>
<td>2.50</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>Provision of cycle tourism - fort to jalandhar beach - Bandhar chowk to fort</td>
<td></td>
<td>2.50</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>Jogging track at Ashok Nagar, Ghogla</td>
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<td>3.95</td>
<td></td>
</tr>
<tr>
<td>6</td>
<td>Transportation and mobility</td>
<td>Redevelopment of bus stations/terminus with smart display</td>
<td></td>
<td>9.00</td>
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<tr>
<td></td>
<td></td>
<td>Bus stops/ shelters with information system and revenue generation by allowing advertisements with GPS enabled system</td>
<td></td>
<td>2.00</td>
<td></td>
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<tr>
<td></td>
<td></td>
<td>Fitment of GPS on buses and Passenger information system at sub shelters</td>
<td></td>
<td>0.50</td>
<td></td>
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<tr>
<td></td>
<td></td>
<td>Green mobility - Cycle tracks and battery operated buses to make Diu a &quot;Zero Carbon foot print City&quot;</td>
<td></td>
<td>8.00</td>
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</tr>
<tr>
<td></td>
<td></td>
<td>Multi-level parking facilities at Bandar Chowk, behind the vegetable market near Diu-Ghogla bridge</td>
<td></td>
<td>10.00</td>
<td></td>
</tr>
<tr>
<td>7</td>
<td>Tourism/ Conservation of Heritage structures/ Compactness Housing &amp; inclusiveness and Mixed use</td>
<td>Retrofitting of foreign bazaar with new building at fort road</td>
<td></td>
<td>8.00</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>Development of recreation center at Diu -Ghogla bridge - Gandhipura by providing laser show, multiplex, open air theatre, boating</td>
<td></td>
<td>18.00</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>Development of theme parks (water) at potential locations to form permanent revenue source to the ULB and boost tourism</td>
<td></td>
<td>20.00</td>
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<tr>
<td></td>
<td></td>
<td>Improvement/ Protection/ Conservation of Heritage structures (Integrate with INTACH proposals)</td>
<td></td>
<td>8.00</td>
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<tr>
<td></td>
<td></td>
<td>Provision of housing in G+2 pattern at land behind court in Gandhipura</td>
<td></td>
<td>18.00</td>
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</tr>
<tr>
<td></td>
<td></td>
<td>Provision of parking facilities for residents to park their vehicle for longer periods</td>
<td></td>
<td>1.00</td>
<td></td>
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<tr>
<td></td>
<td></td>
<td>Food court at Diu-Ghogla Bridge</td>
<td></td>
<td>0.50</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>Enhancement of the informal sector at bandhar Chowk, Diu gate by providing designated stalls</td>
<td></td>
<td>0.50</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>Construction of vegetable and Fish market, Diu</td>
<td></td>
<td>7.09</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>construction of Gym, Swimming pool, Ghogla</td>
<td></td>
<td>7.21</td>
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</tr>
</tbody>
</table>
# Projects Identified under Smart City Initiative for Diu Municipal Council

<table>
<thead>
<tr>
<th>S. No.</th>
<th>Sector</th>
<th>Project</th>
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<th>Project cost/ SCP (in crores)</th>
<th>Convergence</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
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<tr>
<td><strong>Area Based Development Proposals</strong></td>
<td></td>
<td></td>
<td></td>
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<tr>
<td>8</td>
<td>Education</td>
<td>Improvement of education facilities by introducing e- classrooms</td>
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<td>4.00</td>
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<tr>
<td></td>
<td></td>
<td>Technical training for youth</td>
<td></td>
<td></td>
<td>1.20</td>
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<tr>
<td></td>
<td></td>
<td>Career counselling centers</td>
<td></td>
<td></td>
<td>0.50</td>
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<tr>
<td></td>
<td></td>
<td>Smart Teaching aids (Digital boards, Projectors, computers, labs)</td>
<td></td>
<td></td>
<td>5.00</td>
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<tr>
<td></td>
<td></td>
<td>Reconstruction of two school buildings as per RTE at Kamaleshwar &amp; Panjarapare</td>
<td></td>
<td></td>
<td>11.00</td>
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<tr>
<td>9</td>
<td>Health</td>
<td>Patient information system with dial a doctor, online medical assistance facility. Machinery, labs etc.</td>
<td></td>
<td></td>
<td>15.00</td>
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<tr>
<td>10</td>
<td>IT connectivity</td>
<td>wi-fi zones in the city</td>
<td></td>
<td></td>
<td>2.00</td>
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<tr>
<td>11</td>
<td>Economy &amp; Employment</td>
<td>Skill development centers for women and youth providing job training in mechanical, computer, fishing, handicrafts, cottage industrial skills, cooking, hotel management, language skills.</td>
<td></td>
<td></td>
<td>2.00</td>
</tr>
<tr>
<td></td>
<td></td>
<td>creating job opportunities by strengthening the tourism sector, improving tourist locations and promoting tourism</td>
<td></td>
<td></td>
<td>5.00</td>
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<tr>
<td></td>
<td></td>
<td>International Convention Centre</td>
<td></td>
<td></td>
<td>10.00</td>
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<td></td>
<td></td>
<td>Strengthening of fishing industry by providing cold storage near Panjarapura &amp; SP office</td>
<td></td>
<td></td>
<td>6.00</td>
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</tbody>
</table>
## Projects Identified under Smart City Initiative for Diu Municipal Council

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<th>S. No.</th>
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<th>Proposal being implemented by DMC/ Proposal Stage (Cost Rs. Crores)</th>
<th>Project cost/ SCP (in crores)</th>
<th>Convergence</th>
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</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td>Conservation of Heritage buildings</td>
<td></td>
<td></td>
<td>3.00</td>
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<td></td>
<td></td>
<td>Safe-guarding of existing beaches by discouraging encroachments and new developments</td>
<td></td>
<td></td>
<td>1.00</td>
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<td></td>
<td></td>
<td>Beautification of Naida caves</td>
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<td>11.00</td>
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<td></td>
<td></td>
<td>Color code for buildings</td>
<td></td>
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<td>5.00</td>
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<td></td>
<td></td>
<td>Improvement of major road intersections with urban elements - newspaper/book stands, route map displays, history boards</td>
<td></td>
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<td>2.00</td>
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<tr>
<td></td>
<td></td>
<td>Protecting the fort wall on seafront and the coastal belt from sea erosion including protection wall at Ghoghla</td>
<td></td>
<td></td>
<td>88.00</td>
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<tr>
<td></td>
<td></td>
<td>Sunset point at Chakrathirt</td>
<td></td>
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<td>7.70</td>
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<td></td>
<td></td>
<td>Viewing Deck at Chandrikamata</td>
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<td>3.50</td>
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<td></td>
<td></td>
<td>Citizen information centers</td>
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<td>8.00</td>
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<tr>
<td></td>
<td></td>
<td>Tourist information kiosks in the city</td>
<td></td>
<td></td>
<td>6.00</td>
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<td></td>
<td></td>
<td>Lifeguard and beach safety</td>
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<td></td>
<td>2.00</td>
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<td></td>
<td></td>
<td>Flood Protection wall at Ghoghla</td>
<td></td>
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<td>24.00</td>
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<td></td>
<td></td>
<td>Display of help line numbers in all locations</td>
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<td>0.25</td>
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</tbody>
</table>

### Area Based Development Proposals

12 | Identity and culture | Conservation of Heritage buildings | | | 3.00 |
13 | Inteligent Government services | Citizen information centers | | | 8.00 |
14 | Safety | Lifeguard and beach safety | | | 2.00 |
# Projects Identified under Smart City Initiative for Diu Municipal Council

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</tr>
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<tbody>
<tr>
<td><strong>PAN CITY PROPOSALS</strong></td>
<td><strong>IT enabled public service delivery system</strong></td>
<td>Online Registration of Birth &amp; deaths</td>
<td></td>
<td></td>
<td>55</td>
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<td></td>
<td></td>
<td>Online utility payments</td>
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<td>Online application for building permission</td>
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<td></td>
<td></td>
<td>Online tax Payment</td>
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<td></td>
<td></td>
<td>Know your city Page for new developments/ amendments</td>
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<td></td>
<td></td>
<td>GIS Mapping of all infrastructure facilities including property assessments</td>
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<td>Central unit to address and monitor public grievances</td>
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<td></td>
<td></td>
<td>Optical Fibre Cable (OFC) network to improve internet communication system in the city</td>
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<td></td>
<td></td>
<td>Online grievance facility</td>
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<tr>
<td>1</td>
<td>Safety and Security</td>
<td>Provision of service core trench under ground</td>
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<td>62.00</td>
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<tr>
<td></td>
<td></td>
<td>Provision of Gas pipeline</td>
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<td>24.00</td>
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<tr>
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<td>Surveillance cameras in the city</td>
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<tr>
<td>2</td>
<td>SOCIAL SECURITY</td>
<td>“Dial a Service” facility for Senior Citizens through 24X7 call center</td>
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<tr>
<td></td>
<td></td>
<td>Complaint registration centers in the town with telephone and drop box service</td>
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<tr>
<td>3</td>
<td></td>
<td><strong>Total</strong></td>
<td>155.94</td>
<td>464.38</td>
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</tbody>
</table>
Strive towards Smart, Clean and Green Diu

SMART CITY INITIATIVE

DIU CITY SMART CITY

DIU MUNICIPAL COUNCIL

Thank you