CIDCO Smart City Action Plan

Niti Aayog, New Delhi, 2\textsuperscript{nd} September 2015
1. Incorporated in 1970 to decongest Mumbai, Area – 300 sq.km, Population – 20 lakhs.

2. **Navi Mumbai** – Fully Planned 14 towns (nodes)

3. **Self Financing** - Using land as a resource
   - Total Revenue - Rs 22,403 crores
   - Total Expenditure - Rs 15,917 crores
   - Surplus – Rs 6,486 crores
   - Proposed Smart City Expenditure - Rs 15,000 crores

4. Assured water supply, full electricity supply, planned roads, affordable housing, markets, community services, gardens and playgrounds.

5. **Pioneer** in development of railways and road networks.

6. **Own** Golf Course, Exhibition Center, Central Park

7. **Organizational Capacity** consisting of 55 planners, 12 architects, 500 engineers, 61 health specialists, 5 economists, 10 GIS specialists etc.
Proposed Smart City Projects

**Brownfield**
- 7 towns
- Pop – 6,00,000
- Area – 75 sq.km

**NAINA Greenfield**
- IDP1 – 37 sq.km
- IDP2 – 50 sq.km (Phase 1)
- IDP3 – 475 sq.km

**Pushpak Nagar Greenfield**
- Phase 1 – 250 ha
- Phase 2 – 5000 ha
1. E-governance, IT Connectivity and Digitization

- **Current:**
  - Computerized Grievance Redressal Forum
  - Computerized Citizen Facilitation Center, Citizen Advisory Body
  - E-Tendering, Third party Quality Monitoring, Integrity Pact
  - Whatsapp technology for encroachments, illegal disposal of waste and debris, especially mangroves
  - Vigilance Complaints Portal

- **Future:**
  - SAP integration of all departments (2016), all planning data on GIS platform (2016)
  - Citizen Portal (2016), Social Media Strategy (2016)
  - Public Wifi (2016)
CIDCO Smart City Initiatives
(Current and Future)

2. **Water Supply**
   - **Current:** Current Demand – 210 MLD, Current Supply – 190 MLD
   - Water Quality Monitoring
   - **Future:** Projected Demand – 784 MLD (2031). Projected Capacity – 903 MLD
   - Automatic meter reading; Smart billing systems; Online water quality monitoring and leakage identification (2017)

3. **Power Supply**
   - **Current:** Capacity – 285 MW, fulfills 100% of demand
   - SCADA systems
   - Single Window System for power connections
   - **Future:** Capacity – 500 MW (2030)
   - Remote Metering (2017)
4. Sanitation and Solid Waste Management
   - **Current:** Waste generated – 300 TPD (landfill system)
   - **Future:**
     - Projected waste generation – 600 TPD
     - Extrusion Based Mechanical Biological Treatment (2016)

5. Urban Mobility and Public Transport
   - **Current:**
     - 429 km of roads, 52 km of suburban rail
     - All nodes have **bus services** to serve 5 km of last mile connectivity
     - Intermodal connectivity and pedestrian infrastructure
   - **Future:**
     - 11.1 km of Metro under construction (2017), 4 new Metro corridors of 14 km, 133 km of suburban rail corridors
     - Bicycle paths in Pushpak Nagar (2017)
     - Smart Parking (2016)
     - Intelligent Traffic Management (2016)
     - Water based transport to Greater Mumbai (2017)
CIDCO Smart City Initiatives

(Current and Targeted)

6. **Affordable Housing** (Housing For All)
   - **Current:** 1,24,000 affordable housing units constructed by CIDCO.
   - **Future:** · Affordable 54,000 units under construction in 5 years for EWS/LIG housing
     · Prefab technology to minimize construction time

7. **Public Safety**
   - **Current:** Disaster management cell
   - **Future:** · Analytics based CCTV public safety system. 500 cameras at various points (2016)
     · Single toll free number for public grievances and traffic management (2015)
8. Sustainable Environment

- **Current:**
  - 26 Gardens, 33 Playgrounds and 100 Open Spaces
  - As per DCR new construction approvals dependent on:
    - Green space provision, 5 times re-plantation
    - Rainwater harvesting, Solar heating

- **Future:**
  - 100% recycling of sewage water (2017)
  - Energy efficient street lighting (LED - 2016)
  - Energy Audit of Buildings (2016)
  - GRIHA/LEED standards for energy efficiency of buildings (2016)
  - Air Quality Monitoring (2015)
  - Annual Environmental Status Review and Reporting (2016)
  - Green-Blue Networks (2016)
  - 47 New Gardens and rejuvenation of existing Playgrounds & Open Spaces
9. Health and Education (Smart People)

- **Current:**
  - Health Infrastructure - 75 hospitals, 100 nursing homes, 1200 clinics
  - Education Infrastructure - 431 schools, 115 colleges (18 engineering and 11 medical)

- **Future:** In next 3 years
  - 32 new hospitals
  - 52 new schools
  - 4 new colleges

All future schools to be connected to broadband infrastructure

10. Culture

- **Current:**
  - Each node has minimum one community center
  - Urban Haat, Open Air Theatre, Exhibition Centre

- **Future:**
  - Museum (2018)
  - Additional land allocation (subsidized rates) for cultural associations
Thank You