

CIDCO Smart City Action Plan

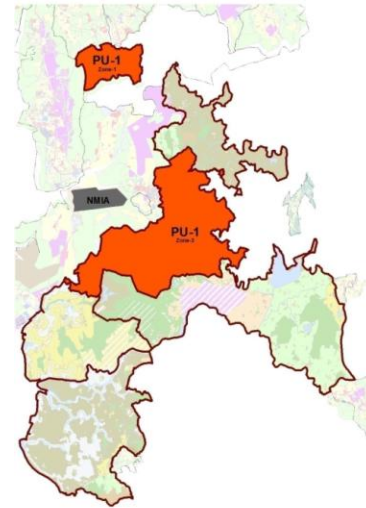
Niti Aayog, New Delhi, 2nd September 2015



Background

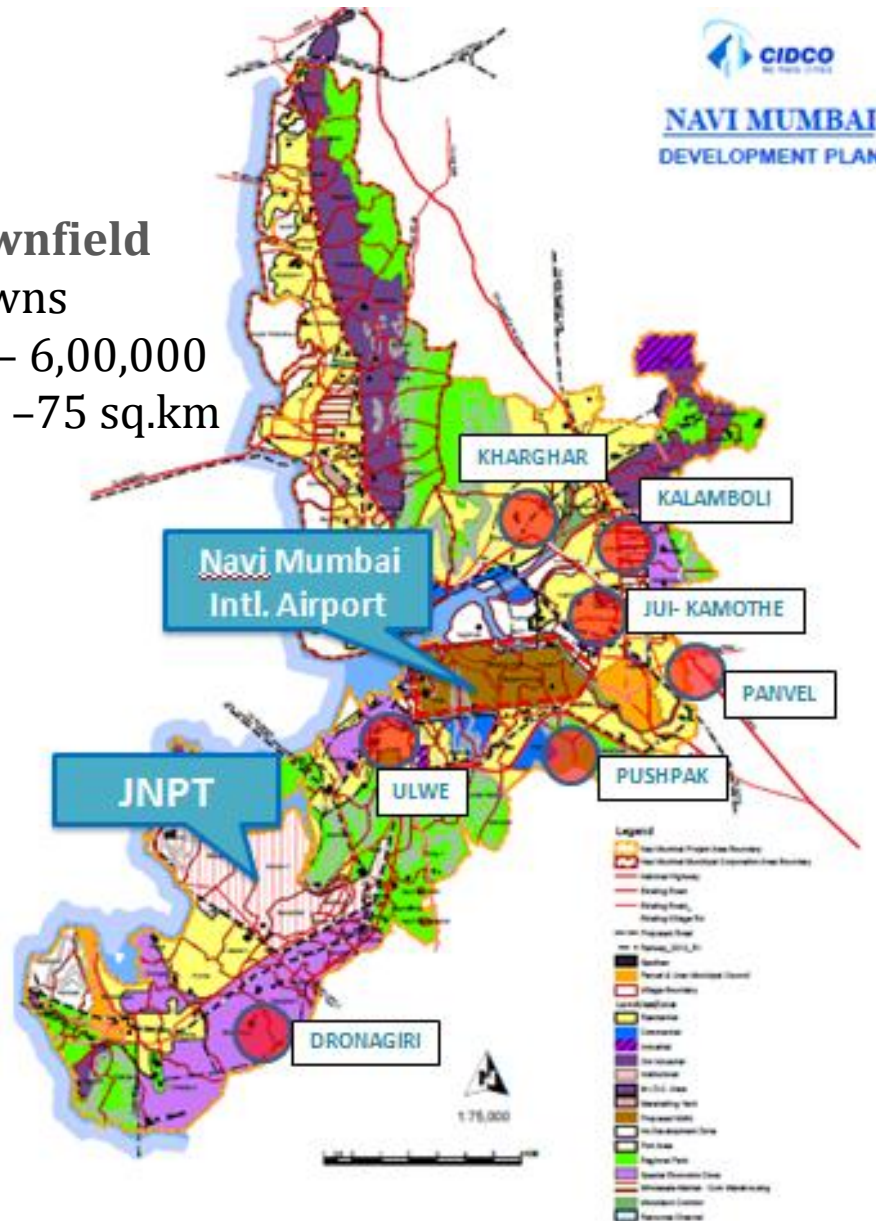
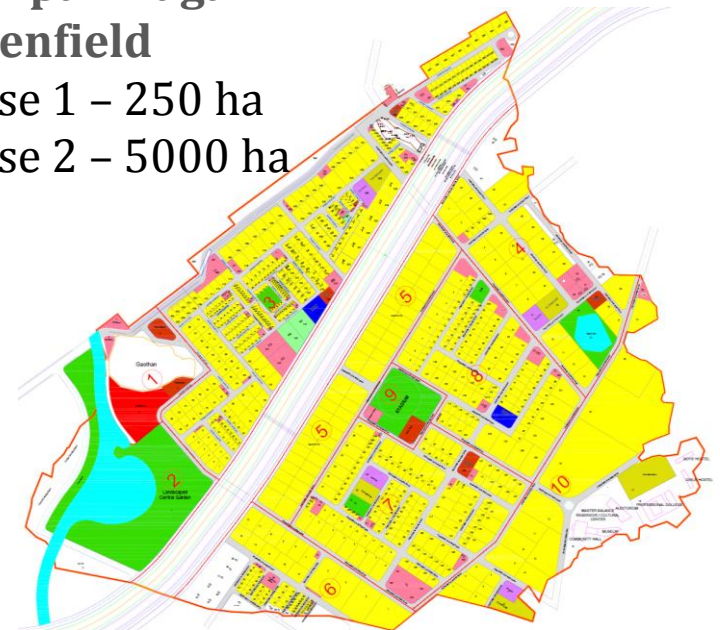
1. Incorporated in 1970 to decongest Mumbai, Area – 300 sq.km, Population – 20 lakhs.
2. **Navi Mumbai** – Fully Planned 14 towns (nodes)
3. **Self Financing** - Using land as a resource
 - Total Revenue - Rs 22,403 crores
 - Total Expenditure - Rs 15,917 crores
 - Surplus – Rs 6,486 crores
 - Proposed 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



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





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






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) 
 - Legal Tracking System (2015), Auto DCR (2015) 
 - Citizen Portal (2016), Social Media Strategy (2016) 
 - Video Crime Monitoring (2015), Computerized Encroachment Detection (2015) 
 - E-Payments(2015), E-Office(2015), Computerized Marketing (2016) 
 - Public Wifi (2016)


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) 










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