Enterprise GIS Implementation

Municipal Corporation of Greater Mumbai

Comprehensive approach towards sustainable GIS Implementation
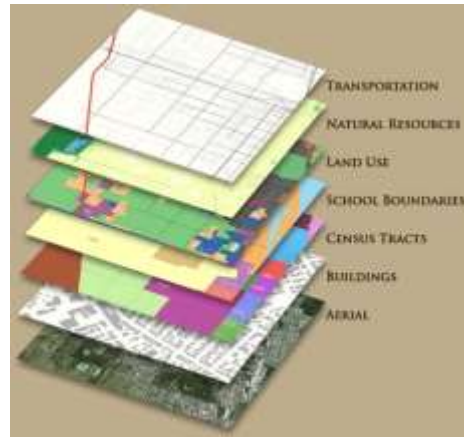
Mumbai City

- Area   appx. 437 sq.km.

- Population   appx. 12.5 million#
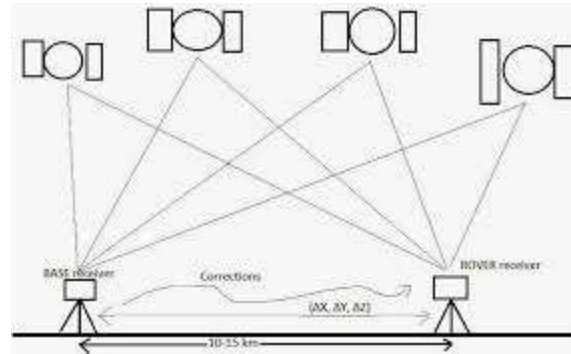
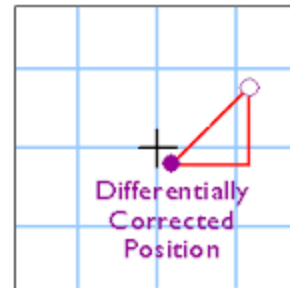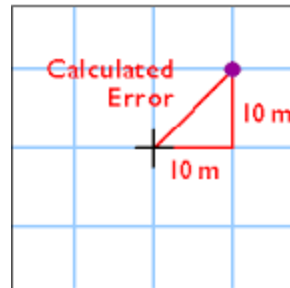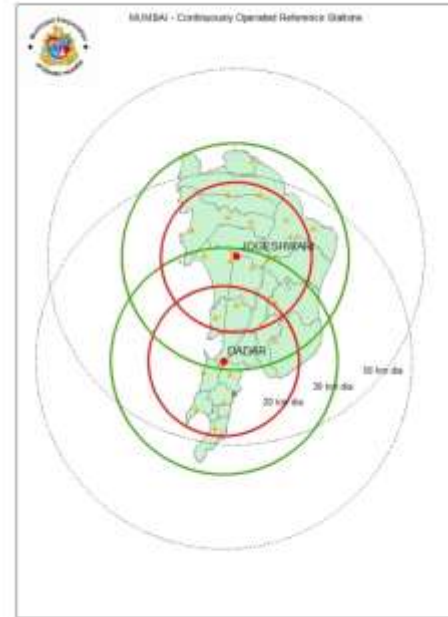- Population Density   appx. 29,000 / sq.km#

 # As per 2011 census

Base Map

D.G.P.S.

Base Ref. Stations (C.O.R.S.)

NetR9

Data Updation Protocol

Sewer Network Data Updation Protocol
for Sewer Remedial Works
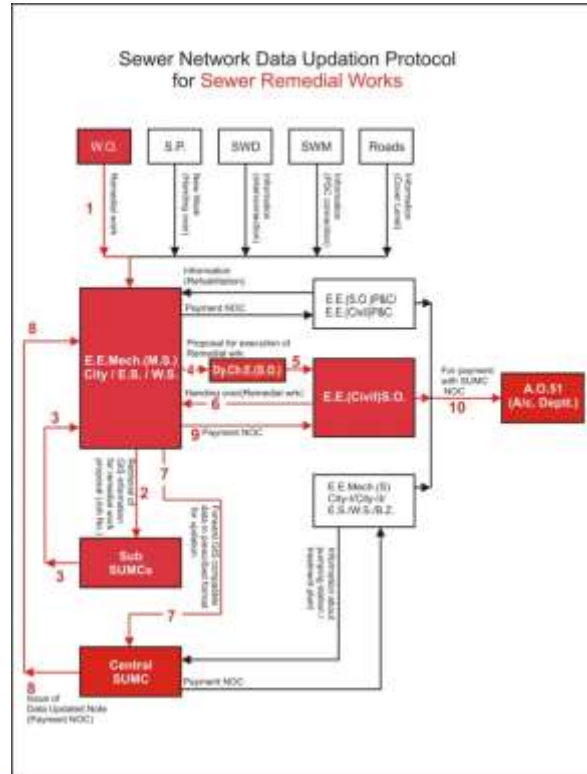
Enterprise GIS ….

… Enterprise GIS

MCGM GIS Centre

Departmental Authorized Users

Department hired agencies

GIS Data Updates

GIS application Development

Enterprise GIS database with <u>One Base Map</u>

GIS Viewing & Reports Generation

Administration

Departmental

Citizens
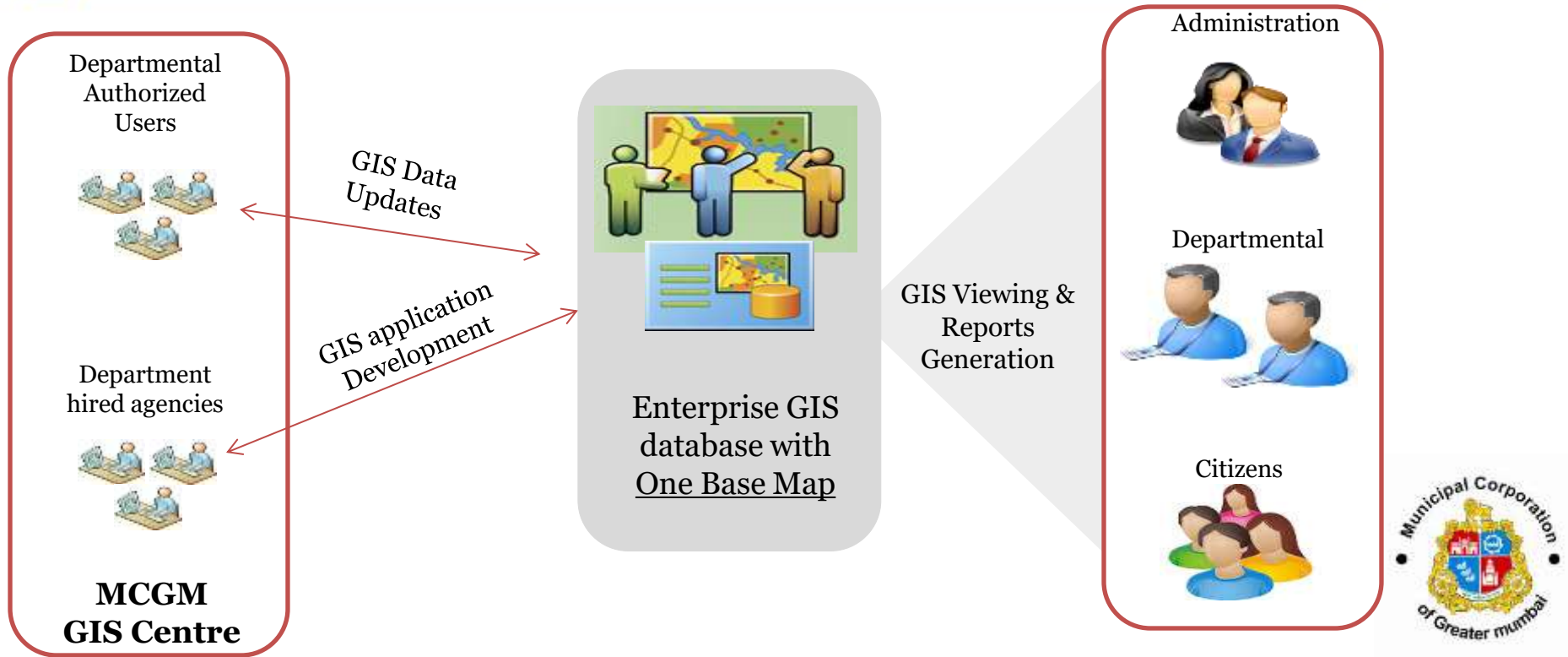
G.I.S. Centre

GIS Web Application …..
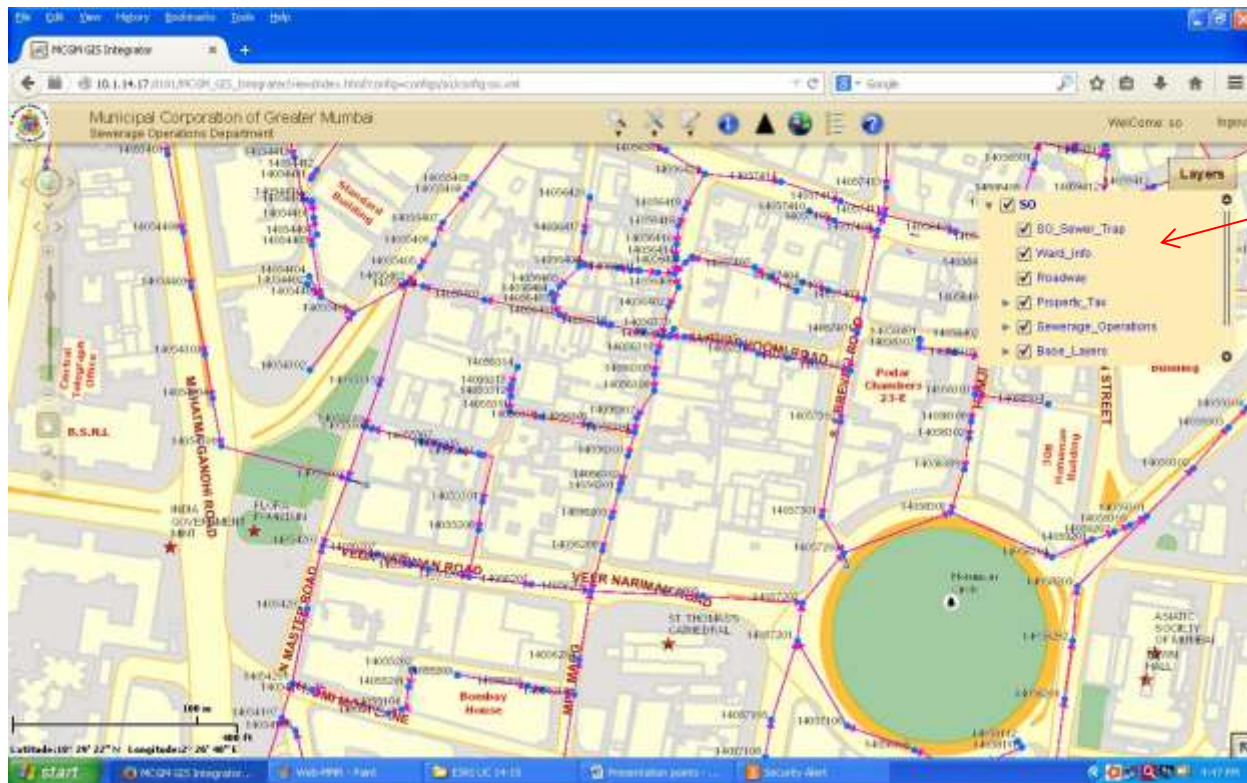
Various Layers
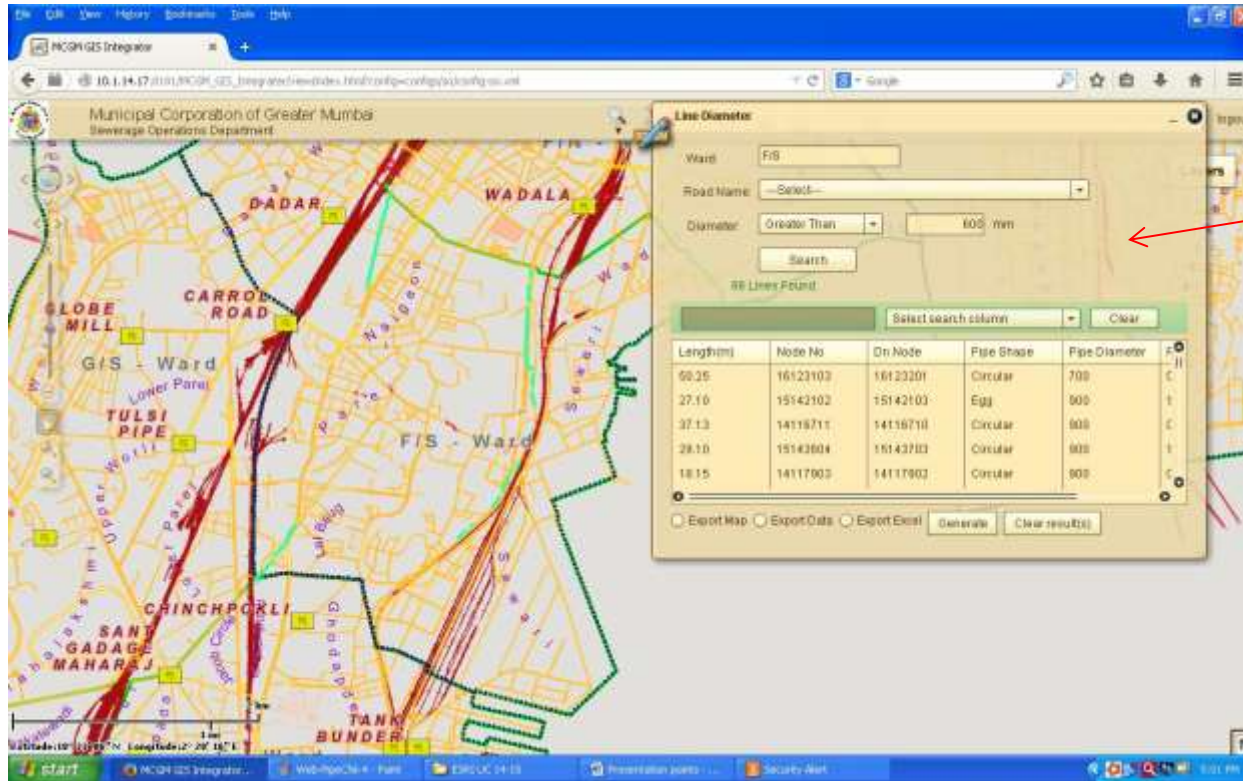
… GIS Web Application

Attribute
Data
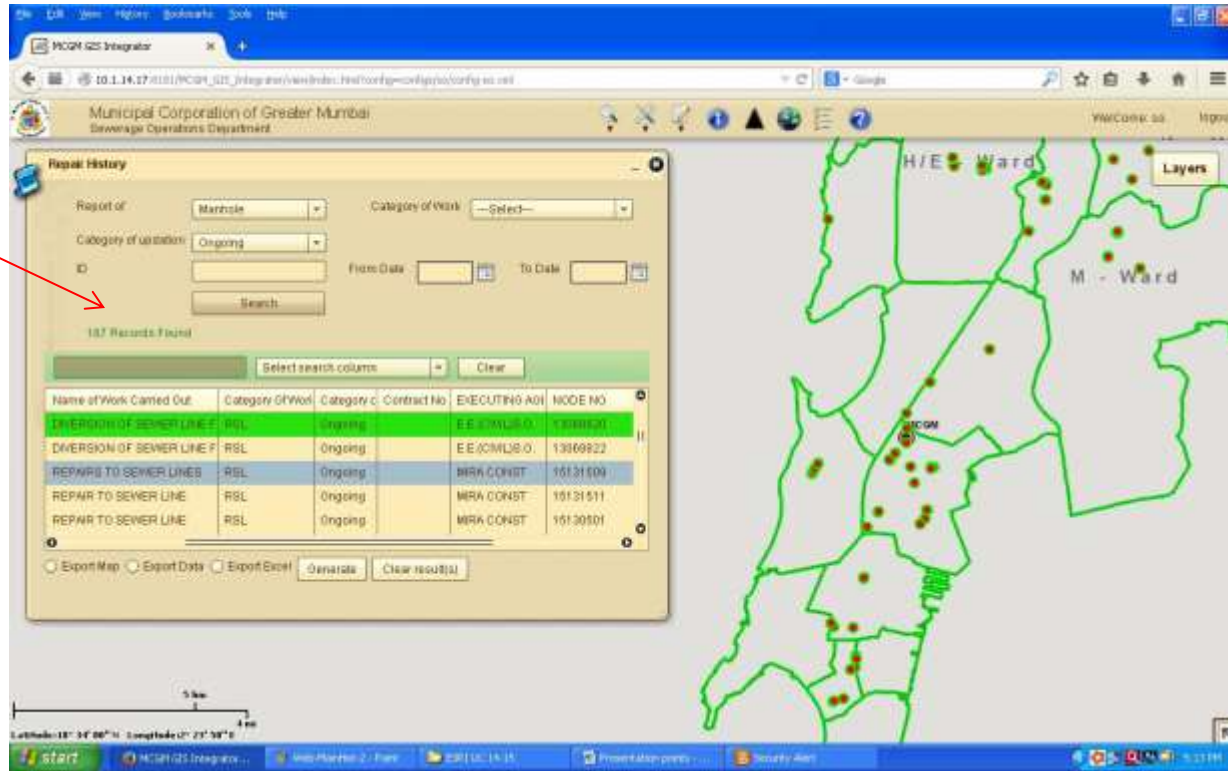
… GIS Web Application

Asset Management

… GIS Web Application

Repair
History

… GIS Web Application

Maintenance Planning

Advanced Analysis

G.I.S. Stake Holders

- Develop Plan
- Building Propsal
- Property Tax
- Water Supply
- Storm Water Drains
- Roads
- Fire Brigade
- Hospitals

 etc.

Dadar G.I.S. Centre

MCGM's Disaster Control Room

GIS Policies under consideration

- Common mapping ref. for surveying agencies
- Real time data sharing with MCGM
- Empanelment of qualified surveyors
- Formation of "Mumbai GeoSpatial Repository"

THANK YOU

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