

Selection of System Integrator for Development of Web GIS based Maharashtra State Urban Geo Spatial Portal for Decision Support System

Project Objective:-

The objective of this project is to create a web based GIS platform for spatial data enriched with locational information in the form of attributes and image data to be used as a Decision Support System for enhanced governance having the following:

- Updated base maps with various natural and man-made features extracted from latest satellite images
- Conduct field survey to capture buildings/property data for all the areas of urban local bodies of Maharashtra
- Interactive web based platform for MIS report generation and analysis by various departments should be capable of:
 - supporting huge number of simultaneous transactions
 - integrating with other Enterprise Systems (like Property tax system, water billing solutions)
 - comply with OGC Standards to enable easier integration with other systems
 - (preferred) reusable functionality across Desktop, Web and Mobile platforms

The project will aim at providing complete geospatial platform for the state of Maharashtra, which will create a holistic spatial data for all the ULBs, citizens of Maharashtra. The platform created will be used by all the department of Maharashtra to have locational information integrated with all e-governance application implemented.

Scope of Work: -

MRSAC

- Procurement of the latest (not older than 6 months) 0.6 m resolution satellite data
- Fresh creation of the GIS database as per the Standards especially of the features of plot boundaries (Land property) and building foot-prints (Asset properties on land property) and new planning data, if any
- Digitize any map data available with the ULBs and integrate with the GIS database
- Provide this geo data base and base maps to the successful Bidder for integration in to the web GIS system.

Successful Bidder/System Integrator

- Conduct field survey to capture buildings/property details (mentioned in the RFP document)
- Integrate surveyed data with GIS database prepared by MRSAC
- Design and develop a web based system to incorporate the integrated data
- Conduct analysis of the integrated data with the property data available with the ULBs to identify any deviating properties from the property tax perspective
- Conduct the detail survey of all the building assets to collect property data
- Host the solution at a Primary Data Center in India, preferably in Mumbai and Provide 24x7 solution accessibility to identified users.

- Provide training on complete solution
- Provide handholding support to the identified users
- Provide a dedicated development team to undertake future customization of the application as per requirements of various user departments

Project Area:

Municipal Corporation/ Council Type	Number of Councils
Municipal Corporations	21
Municipal Council- Category A	17
Municipal Council- Category B	73
Municipal Council- Category C	141
Nagar Panchayat	130
Total	382

360 degree and LiDAR survey

The project also aims at conducting 360 degree and LiDAR survey for 33 municipal councils, to capture the existing conditions on the ground.