



The BBMP represents the third level of government, (the Central government and State Government being the first two levels). Bruhat Bangalore Mahanagara Palike is run by a city council. The city council comprises elected representatives, called "comptotators", one from each of the wards (localities) of the city. Elections to the council are held once every 5 years, with results being decided by popular vote. Members contesting elections to council represent one of more of the state's political parties. First elections to the newly-created body was held on 28th of March 2010, after the delays due to delimitation of wards and finalising voter lists.



The Bruhat Bangalore Mahanagara Palike is responsible for civic and infrastructural requirements of the city. It often works in conjunction with other civic bodies such as the Agenda for Bangalore Infrastructure Development Task Force (ABIDe) and the Bangalore Development Authority (BDA) to design and implement civic and infrastructural projects.

The Bruhat Bangalore Mahanagara Palike is the fourth largest Municipal Corporation in India, after the city corporations that administer Mumbai, Delhi and Chennai. The BBMP is responsible for infrastructural assets of the Greater Bangalore Metropolitan area, spread across 741 km<sup>2</sup>, with a population of 6.8 million.

### **1.3 Tender SURE(Specification for Urban Road Execution)**

Tender SURE is a street design manual that gives specifications on how a particular road should be built. Apart from detailing the amenities that every road should have, it also specifies the materials that are to be used for a particular kind catering to a specific type of traffic. SURE specification roads ensure that water lines, OFC cables and electrical cables are shifted to the roadside and are covered with a trench so that work can be completed without digging up the road. The improved road will also ensure right of way for pedestrians.

The Bangalore City Connect Foundation (BCCF) is an initiative which brings various urban stakeholders outside government together on a single platform. It assists government agencies by providing knowledge, assistance and support for better planning and implementation of urban infrastructure in Bangalore. It has begun its work by focusing on Traffic and Transportation.

### **1.4 PROJECT OBJECTIVES**

The main objectives of the project are as under:-

- To conduct necessary surveys, studies, investigations and designs required to prepare Detailed Project Report for the selected roads in Bangalore City.

- To prepare Bill of Quantities, estimates and specifications based on the detailed designs.
- To prepare tender documents and implementation plan.

**Bruhat Bangalore Mahanagara Palike (BBMP)** has entrusted **M/s. Infra Support Engineering Consultants Pvt. Ltd.**, with the work of preparation of the concept scheme, detailed designs and detailed project report for the above project.

### **1.5 SCOPE OF SERVICES FOR THE PROJECT**

The scope of services as reproduced from the RFP document is given below

- Detailed Topographical Survey
- Road Inventory and Pavement Condition Survey
- BBD and Sub grade soil Investigations
- Traffic Volume Counts and Pedestrian Volume Counts (Peak Hour)
- Traffic network flow mapping and existing Signal Timings
- Existing RoW mapping, cross section detailing & Strip plan with entry exit mapping.
- Identification of existing utility lines on survey drawing.
- Design of alignment, median, kerbs, driveway and pedestrian walk way/sidewalk.
- Flexible/Rigid Pavement evaluation and design.
- Proposal for Relocation of utilities and provision for utility duct wherever required and possible.
- Road side storm water drain design
- Detailed design of Junctions with plan, levels, drainage, islands, marking, etc.,
- Traffic flow diagrams and recommendations on change in traffic flow (one way, two way, no right turn, etc) to improve the traffic efficiency.
- Proposals for change in bus stop locations, design of bus bays, auto bays, etc.,
- Proposals for non-motorized traffic, wherever possible.
- Proposals for pedestrian subways/skywalks
- Cost Estimation and Bill of Quantities.
- To coordinate with other departments like survey/ BESCO/ BWSSB/ BSNL etc., towards receipt of estimate for utility shifting wherever utility shifting is being proposed.
- Traffic diversion plan for construction purpose.
- Action plan for implementation and completion of project.
- Power Point Presentation, meetings and discussions on the project at various levels.
- Preparation of Technical Specifications and tender documents.





- viii) Soil and Material Investigations
- ix) Traffic Analysis
- x) Estimation and Costing
- xi) Preparation of tender documents

Activities related to field studies, design and documentation will be carried out as per the latest guidelines / circulars of MoRT&H and relevant publications of Indian Road Congress (IRC) and Bureau of Indian Standards (BIS). Tender sure guidelines are also followed while preparing the project report.

### **1.8 STRUCTURE OF THE REPORT:**

This Report consists of following chapters.

Volume I: Main Report

- Chapter 1: Introduction
- Chapter 2: Site Visit and Road Inventory
- Chapter 3: Traffic Surveys and Analysis
- Chapter 4: Design Standards
- Chapter 5: Pavement Investigation and Design
- Chapter 6: Improvement Proposals
- Chapter 7: Project Costing and Estimation

Annexure

Volume II: Drawings

Volume III: Cost Estimate