

CHENNAI SMART CITY LIMITED (CSCL)

Design, Supply, Installation, Commissioning, Operations and Maintenance of Intelligent Transport System in Chennai Metropolitan Area

Project Brief:

“The Chennai Metropolitan Area Intelligent Transport Systems Installation project” is meant to construct efficient traffic system to meet increasing traffic demands in Chennai Metropolitan Area. The Government of India (GOI) has received a loan from Japan International Cooperation Agency (JICA) towards the cost of “Project for Installation of Chennai Metropolitan Area Intelligent Transport Systems”. The purpose of the International Competitive Bid (ICB) is to enter into a contract with a qualified bidder for the Design, Supply, Installation, Integration, Commissioning, Operations and Maintenance of integrated solutions to support the Chennai Intelligent Transport Systems (CITS) project on Full Turnkey basis. The Estimated value of the project is approximately Rs.645.59 Cr.

Project Scope:

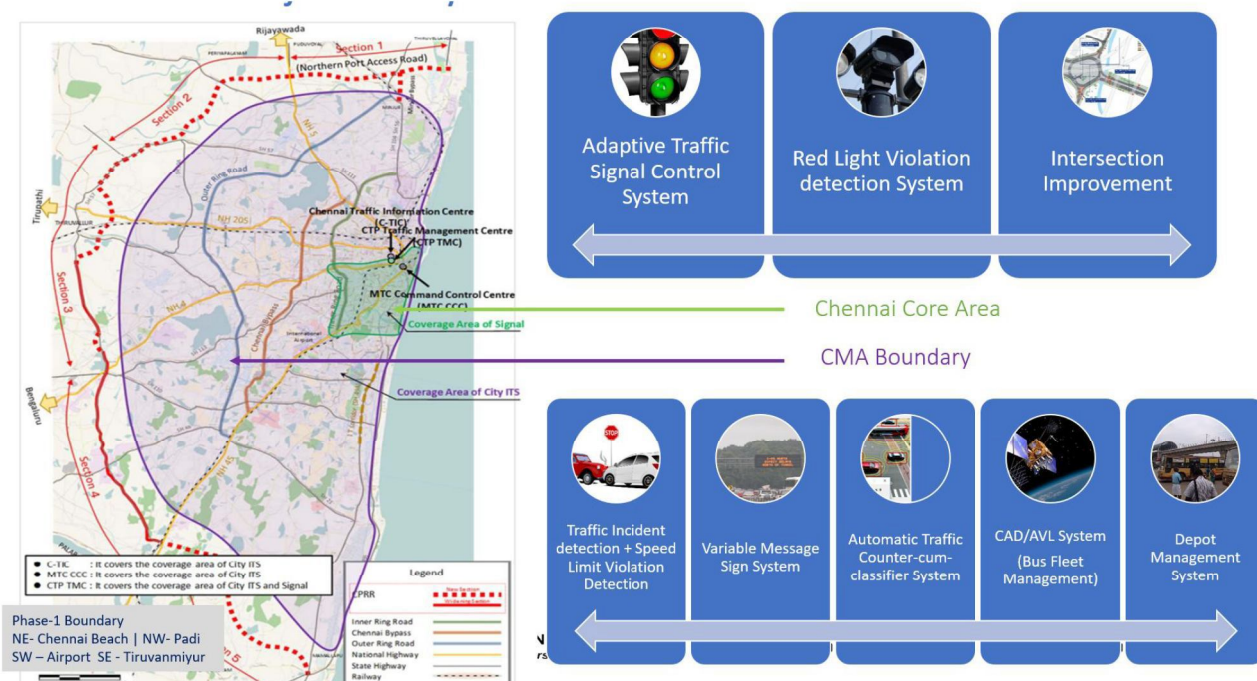
The major components proposed in this CITS project are 1) Traffic Information & Management system (TIMS) and 2) City Bus system (CBS) along with two (2) Command Control Centre (CCC) for the operation of TIMS and CBS. The TIMS Command & Control Centre (TIMS-CCC) will be established with Chennai Traffic Police. & CBS Command Control Centre (CBS-CCC) will be established with the Metropolitan Transport Corporation. The tentative Components and Subcomponents proposed in the project is given below.

| No. | Type | Name | Quantity |
|------|-----------|---|---------------|
| 1. | Component | Traffic Information & Management System (TIMS) | |
| 1-1. | Subsystem | Adaptive Traffic Signal Control System (ATCS) | 165 Junctions |
| 1-2. | Subsystem | Traffic Incident Detection System (TIDS) | 58 Junctions |
| 1-3. | Subsystem | Variable Message Sign System (VMS) | 17 Locations |
| 1-4. | Subsystem | Speed Limit Violation System (SLVD) | 10 Locations |
| 1-5. | Subsystem | Red Light Violation Detection System (RLVD) | 50 Locations |
| 1-6. | Subsystem | Automatic Traffic Counter and Classifier (ATCC) | 230 Units |
| 1-7. | Subsystem | Integrated Traffic Management System (ITMS) with probe system Platform and with required integrations | 1 Location |

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|-----------|------------------|---|-----------------------------------|
| | | | |
| 2. | Component | City Bus System (CBS) | |
| 2-1. | Subsystem | Bus Monitoring System (BMS) including Computer Aided Dispatch / Automatic Vehicle Location (CAD/AVL) system | 2940 Buses |
| 2-2. | Subsystem | Passenger Information System (PIS) | 71 Terminals and 532 Bus shelters |
| 2-3. | Subsystem | Depot Management System (DMS) | 31 Depots |

Coverage Area:

The broad coverage area of the systems proposed is shown below.



Implementation and O&M Schedule:

The project schedule is shown in the table below

| Section No. | Content | Duration |
|-------------|--|--|
| Section 1 | Implementation of ATCS | 31 months (940 days) |
| Section 2 | Implementation of TIMS (excluding ATCS) | 31 months (940 days) |
| Section 3 | Implementation of CBS | 25 months (760 days) |
| Section 4 | Comprehensive O&M of TIMS including ATCS | 60 months (1,825 days) after Section 1 and Section 2 |
| Section 5 | Comprehensive O&M of CBS | 60 months (1,825 days) after Section 3 |