

Surat IT -MAC

(Integrated Transport-Mobility Administration Centre)

1. Name of Project: Surat IT-MAC (Integrated Transport-Mobility Administration Centre)

2. Background:

Surat is among the fastest developing city in the world. It has ranked 4th developing city of the world. Surat city is well-known for its diamond polishing business, textile market business, Real estate business. As a city develops it attracts many people around the city as well as far away from the city. Due to this population increases; and one can say that increase in population is directly proportional to the increase in traffic density. There is a substantial change of transportation condition in Surat city in last 3 years. SMC has introduced a high-quality public transport through BRTS for 30 Km route in Phase-I which has improved liveability and contributed to economic development. Phase-II of BRTS is about 42 Km. At present, in Surat city there are city buses (Sitelink) & BRTS buses in operation. SMC has finalized Master plan for induction of 2000 city buses and 300 BRTS buses, in the next 3 years.

Also SMC introduced SMAC Center is envisaged as an administrative control center for the city of Surat for effective and efficient delivery of all civic services.

SMART City Center will operate in four layers. This centre will collect functioning information of all the departments on real time basis, as far as possible. Automated sensors and systems will send various data sets to the SMAC Center, which are analyzed to derive some conclusions. SMAC Center will play an important role in providing real time information about civic facility utilization in the city. It will help all the departments in maintaining civic service delivery standards on day-to-day basis. It will give support to the departmental heads for taking quick decisions in restoring services while handling unforeseen disturbing situations. In case of emergency situation, SMAC Center will play important role of coordinating all departments with decision support system for effectively managing rescue and relief operations. Thus the SMAC center will be able to address the issue of delivery quality civic services.

3. Vision:

Integrated Traffic and Mobility Administration Centre (IT-MAC) will house various departments/entities involved with managing city traffic and mobility like BRTS, City Bus, Traffic Police, RTO, Fire, Emergency Services, etc. IT-enabled applications, e-governance of administration will help all the concerned agencies to co-ordinate and support each other for smooth traffic operations.

4. Sector: Administration

5. Cost and financing:

SCP Cost	: Rs. 31.00 Cr
DPR Cost	: Rs. 18.28 Cr
Tender Estimated Cost	: Rs. 17.08 Cr
Tender Sanctioned Cost	: Rs. 16.81. Cr
Convergence Scheme/PPP/SMC	: (Write Scheme)
Convergence/PPP/SMC Costing	: Rs. 00.00 Cr

6. Brief Description (Technical Details):

SMC has intelligent transit system for BRTS, which will be extended to the city bus operations. SMC is deploying advance vehicle location system (AVLS) platform as a plug-and-use platform in the IT-MAC. This will offer real-time vehicle location and passenger information. SMC is using Adoptive Traffic Control System (ATCS) in BRTS, which will be extended to all major traffic junctions. Surat city has a network of more than 600 CC surveillance cameras, which will be expanded to all major locations in the city with the IT-MAC. All stakeholder agencies like BRTS, City Bus, Traffic Police, RTO, Fire & Emergency services, utility services, etc. will co-ordinate, share and act on an integrated platform through the IT-MAC. Citizens will be connected through variable message signs, website, mobile app, mobile alerts and social media. Thus, this integrated centre will be single point sources in resolving all traffic & mobility issues to the satisfaction of the citizens.

Proposed IT Mac centre situated at T.P.No.36 (Althan), F.P.No.1, in South West (Athwa) Zone. Plot area in which building will construct is 12545.00 Sq.Mt. Building having Ground + Three & partially fourth floor.

Following amenities are included in proposed IT Mac Centre.

1. Ground Floor:

Reception and waiting, security room, C.C.T.V. monitoring room, locker room, lift, goods lift, ladies toilet, gents toilet, cafeteria, disaster recovery store, CCC store, VIP lounge, media meeting room, conference lounge, VIP conference, housekeeping room, pantry.

2. First Floor:

Space for IT Mac agents, help desk and call centre, fire call centre, ladies toilet, gents toilet, IT Mac staff room, ITCS, ITMS, conference room, training class room, city link office, housekeeping room, office for senior officer, tower.

3. Second Floor:

Data centre, NOC room, VVIP room, emergency operation centre, conference, office for ITCS manager, office for ITMS manager, office for senior officer, tower, ladies toilet, gents toilet, viewing gallery.

4. Third Floor:

S-Mac agents, smart city office, VIP room, space for project team, conference, office for senior officer, tower, ladies toilet, gents toilet, office for Smac manager, area for Smac staff.

5. Fourth Floor:

Maintenance staff room, Maintenance store room, Record room, Housekeeping staff room.

7. Speciality:

- All stakeholder agencies like BRTS, City Bus, Traffic Police, RTO, Fire & Emergency services, utility services, etc. will co-ordinate, share and act on an integrated platform through the IT-MAC.
- It will include all Hi-tech ICT Equipments and devices to monitor and control the all functions.

8. Benefits:

- Citizens will be connected through variable message signs, website, mobile app, mobile alerts and social media.
- In the time of any difficult/emergency situation Administration shall be eligible to control and monitor all the services at one place. This will make the administration more efficient and reliable.

9. Implementation Plan:

- **Current Status:** Column footing work completed. RCC super structure & Dome part plinth work in progress. ICT part project schedule under preparation.
- **Completion Date:** 10/12/2018

10.Photos:

Google Map:



T.P.No.36 (Althan), F.P.No.1 South West (Athwa) Zone

Conceptual photo:



Surat IT MAC Center

Site photos:





(As on Dt.16.03.2018)