SMAC Center (Smart City Center)Part-3 I-PARK -
Intelligent Parking Management System

1.Name of the Project: Intelligent Parking Management System for Multilevel Parking & Open Parking Lot in ABD area of Surat City

2.Background: Around the world, commuters deal with the daily struggle of finding a parking space. In fact, expertsestimate that this causes 30 percent of urban traffic congestion. Surat is expected to remain one of thefastest growing city in the world with several economic and infrastructure initiatives to happen in nearfuture. With such growth expectation, it is required that the city governance is prepared to tackle theparking requirements of its citizens which will also be growing multifold.

3.Vision: Combining information management and analytics with data gathered from parking sensors and parking management system will allow cities to make smarter and timelier decisions related to parking and their transportation systems. Citizens will be able to use the application over mobile or web to understand the parking situation, live across the city and at the same time officials will be able to use this solution to better understand parking patterns so they can improve citizen services, optimize revenue and more effectively allocate city resources while planning.

SMC wants to use massive amount of transportation data available that can help it alleviate congestion and improve transportation services, such as parking. With this fully integrated offering, in form of Smarter Parking solution SMC can produce tangible results and happier citizens.

4.Sector: Information Technology

5.Cost and financing: Tender Estimated Cost : Rs. 2.75 Cr

6.Brief Description (Technical Details):

The Objective of Smart Parking is to provide a seamless, efficient, customer-friendly, cost-effective parking operation for the Surat City and have the capability to scale and

integrate the latest technology which would include smart parking/navigational capabilities with digital payment platforms.

a) Create smart parking solutions at interchanges to reduce congestions due to parking
b) Enable intelligent decisions using data, including real–time status applications and historicalanalytics reports
c) Optimize workforce management at parking spaces
d) Simplify parking experience and add value for parking stakeholders, such as drivers andmerchants

7. Speciality:

a) Integrated Multilevel parking and off-street parking with advanced real-time parking availability informationon-demand through mobile application to its users in order to enable them to reserve the parkingspaces and make the payment using SURATMONEY CARD or other digital payment platforms
b) Reduced congestion through improved capacity of arterial & collector streets through regulatedparking that does not block smooth movement of through traffic.
c) Reduce leakages in parking through implementation of SURATMONEY CARD and other digitalpayment methods for paying parking charges
d) Optimize parking space usage
e) Enable time and location specific parking tariff to be implemented to facilitate demandmanagement
f) Enable enforcement of penalties on parking violations
g) Provide users with advanced information and guidance on mobile handsets for availability ofparking spaces in and around their destinations
h) Integration with Central Control Centre and connecting to including Data Centre.

8.Implementation Plan:

- **Current status:** Tender re-Invited

9.Impact/ Envisaged Impact of the project:

Combining information management and analytics with data gathered from parking sensors and parking management system will allow citizens to make smarter and timelier decisions related to parking and travel plans.

#	Zone	MLV Location	Google Coordinates
1	Central Zone	Opposite MaskatiHospital ,Bhagal	https://goo.gl/jpmuRj
2		Near Khan Saheb no Delo, Hira Bazar, ahidharpura	https://goo.gl/maps/PrVX7xJS2bF
3		Near Rang Upvan,Nanpura	http://goo.gl/85A5ge
4		Gandhi SmrutiBhavan Chowk	https://goo.gl/PHNp2u
5		KararshaniNal Road	https://goo.gl/maps/QJcovQw7Ga
6		Beside Sai Temple ,Choutha bazar	https://goo.gl/YPFXdS
7	East Zone	Mini Bazzar T.P. Scheme No.4 F.P. no. M	https://goo.gl/RtXE9q
8		SardarSmrutiBhavan T.P. 4 F.P. M-3	https://goo.gl/KTskq8
9	South East Zone	T.P 8 Umarwada F.P. 147 Behind Millennium arket	https://goo.gl/maps/rk2Xn6S6F4n
10		Off Street Open Parking, Behind Millennium arket	https://goo.gl/maps/ruVNsQAzuC
11		Off Street Open Parking, Behind Millennium arket	https://goo.gl/maps/8BaDFRCRXA2