No.: UMC/IT/न153 /2023   Date: 17 /02 /2023

Expression of Interest(EOI) - Notice

Commissioner, Ulhasnagar Municipal Corporation, Ulhasnagar invites Expression of Interest(EOI) through experienced and competent vendors for Empanelment of Vendors of Integrated Transport Management System (ITMS) for Municipal City Bus Service of Ulhasnagar as per following requirements.

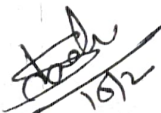## Scope of Work for Intelligent Transport Management System at Ulhasnagar Municipal Corporation

Sr.	ITMS Component	Functional Details
1	Automatic Vehicle Location system	1. Real-time location of all vehicle or any particular vehicle, route play-back mode, analytics of bus running behavior, statistical reports, etc. 2. Information of any events with particular to the operation of transport 3. Real-time information on utilization of fleets with details. 4. Generation of Daily Operation Reports and Violation reports
2	E-Ticketing	1. Track the financial performance and take adequate steps for better management of routes, counseling of crew etc. for better revenue generation. 2. Real time Financial and Revenue collection statistics, Bus wise, Trip wise fare information, data for analysis of income-cost comparison for bus operations. 3. Real time data of Revenues 4. Rout wise. Bus stop wise and Hour wise revenue collection reports. 5. Capturing the data of revenues form concessional passes, students passes
3	Bus Scheduling and Crew Allocation	1. Effective management of resources: buses, bus staff, scheduling of buses 2. Real-time information on Plan vs. Actual operation on ground 3. Utilization of fleets & crew 4. Dynamic Route and Trip Scheduling of buses
4	Business Intelligence System	1. Depot Management software (DMS) 2. Real time information regarding route wise, Day wise revenue statistics. route wise, day wise bus trips, daily number of commuters 3. Forecasting of revenue, commuter density on routes 4. Comprehensive MIS report for KDMT Management 5. Bus Utilization Report 6. Travel Time Analysis Report a) Missed Trip Report b) Performance Report c) Driver Performance Report d) Over speed Report e) Route Deviation Report f) Passenger density report- Route wise, Day wise, Trip wise g) Route Cost-Revenue Analysis Report h) Any other reports as per the requirements of UMC
5	Command and Control Center Set up	1. Set up of Command and Control Center 2. Provision of Hard ware and software of Command and Control center a) Video wall b) Computers

		c) Data storage facilities d) Cameras & other requirements
6	**On Board Intelligent Transport System**	1. Information about next bus-stop on precise time before reaching stop 2. Real-time vehicular data i.e. Location Data, Driving Behavior Data, Engine Data, Speed of vehicle etc. 3. Announcement and display of bus stops in the bus (Before arrival of the bus stop)
7	**Passenger Information System**	1. Estimated Time of Arrival (ETA) and Estimated Time of Departure (ETD) on LED Display in the buses and Bus Stations 2. ETA, Bus Schedule on Mobile App 3. Various alerts e.g. Bus Number, Route Information, Route cancellation data etc. 4. Route Information/status frequency 5. Schedule Information.
8	**Web-Portal & Mobile Application**	1. Mobile Application shall also enable users to get more specific information about their travel, recently used, mostly used routes and associated information. Communication between PIS in Buses, PIS on Bus Stations and SCOC shall be the responsibility of SI. 2. Mobile app services to have real map view as well to show case the bus icon on the map, whenever commuters check the status of the bus's location, this is when a commuter inputs the router number Or Source- Destination. 3. Mobile app shall have functionality to book M-ticket with use of payment gateway/E-purse.

Note: 1) Bidder should submit the Technical & Commercial proposal as per above scope of work including supply, commission, and integrate the ITMS systems with required modules including Hardware and software including operational, maintenance and support services as per above scope of work.

2) The equipment should meet the necessary conformance and operational standards for buses as per prevailing guidelines.

Eligibility Criteria :

1) The bidder must be a registered entity in India under the relevant Acts of India. The bidder should be operating in India for the last five years.

2) Company must have work experience for last 03 years in the Integrated Transport Management System.

3) The bidder shall provide the details of the ownership of the company and details of owners/directors.

4) Average Annual Turnover of the company during last three financial years i.e. 2019-2020,2020-2021 and 2021-2022, should be min. Rs. 2 Crore.

5) The Company Shall be ISO Certified. & Joint Venture is not allowed.

6) The bidder should have its operating office in MMR region.
The Bidder shall be registered for the GST, EPF, ESI & Professional Tax & the latest return copy to be submitted along with EOI.

7) The tenderer should have not been black listed by any central/state Government department/Semi-Government agency/PSU/ULB in India (An undertaking should be provided to certify on letterhead).

(Dr. Subhsh Jadhav)
Dy.Commissioner(IT)
Ulhasnagar Municipal Corporation
Ulhasnagar-421003.