

GREATER HYDERABAD MUNICIPAL CORPORATION

*Office of the
Additional Commissioner (IT),
GHMC, Hyderabad*

Lr.No.146/IT/GHMC/2010,

Dated:06.02.2010.

// REQUEST FOR PROOF OF CONCEPT //

Sub:- GHMC – IT – e-governance plan - Implementation of Biometric Attendance System, Automatic Vehicle Tracking System, Remote Operation of Street Light on-off and Scanning Births & Deaths Records, Data Validation – Proof of Concept – Proposals called for – Regarding.

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As part of e-governance plan, Greater Hyderabad Municipal Corporation intends to Implement of Biometric Attendance System, Automatic Vehicle Tracking System, Remote Operation of Street Light on-off System and Scanning Births & Deaths Records & Data Validation.

Bio-metric based Attendance System

The proposed solution should be a hand held terminal capable of enrolling employees with Bio-metric data with authentication at field. The device shall be GPS enabled for online data transfer for MIS purpose to central location.

The customized application will be stored in the device. Once the finger prints of the employees authenticated at various levels, the application in the central server using GPS connectivity with MIS format, monitor and analyze data for improving the efficiency in sweeping activity in the corporation. GHMC has around 20,000 workers spread across 625 Sq. Kms. with more than 1000 reporting points. At each reporting point, a unit of workers comprising of 19 Nos. (18 workers + 1 supervisor) need to be monitored at two spells during the day.

GPS based Vehicle Tracking System

GHMC has around 500 vehicles transporting solid waste and water tankers operating from different locations. It is proposed to design, install, implement, operate and to maintain an intelligent transport tracking system consisting of Global Positioning Systems (GPS) and GSM/ CDMA based connectivity for Automatic Vehicle Tracking System and Monitoring system.

Remote operation of Street Light on-off system

There are 3.11laks street light fittings in GHMC area and these are operated by 20,800 on-off switches. Of the 20,800 on-off switches 3720 are timer controlled and the balance 17080 are manually operated.

The solution should enable remote on – off of all the 3.11lakh street lights from a single location. Preferable to have inbuilt dimmer facility whereby the street lights consume less power during prefixed hours. Also to have current consumption monitoring whereby any lights fused or not working can also be monitored.

Scanning Births & Deaths Records, Validation of Database

The existing Births and deaths registers containing about 3.50lakh pages have to scanned and the customized solution shall have search facility to track the name of any individual with reference to date of birth/death or location or parents name etc.

The existing 54lakh birth/death entries in the database shall be validated w.r.t. manual registers.

Those companies desirous of participating in the demonstration are requested to provide Proof Of Concept (POC) by 13.02.2010.

Contact Person details:

The Additional Commissioner (IT),
3rd Floor, GHMC Head Office,
Tankbund Road, Hyderabad
Phone: 040-23224056,
mail: ac_it@ghmc.gov.in

OR

The Additional Commissioner (Health & Sanitation),
4th Floor, GHMC Head Office,
Tankbund Road, Hyderabad
Phone: 040-23222160,
mail: ac_health@ghmc.gov.in

**Additional Commissioner (IT),
GHMC**