

**MUNICIPAL ADMINISTRATION DEPARTMENT
ANDHRA PRADESH MUNICIPAL DEVELOPMENT PROJECT**

**INVITATION FOR QUOTATIONS FOR SUPPLY OF
GOODS UNDER NATIONAL SHOPPING PROCEDURES**

No. 15021/4/2016-PS SEC-APMDP/Dt. 21-07-2017

To

Dear Sir,

Sub: Invitation for quotations for Procurement of Software application for base map attribute data collection, property updation survey and analysis-Reg.

1. You are invited to submit your most competitive quotation for the following software:-

Brief Description of the Goods	Specifications	Quantity	Delivery Period	Place of Delivery
1) Development of Software application for base map attribute , data collection, property updation survey and analysis	As per annexure enclosed.	1 No.	30 days	Andhra Pradesh Municipal Development Project (APMDP)
2) Bug Support ,Updation, training, Analysis Reports, Maintenance and online help and support for 3 months		3 Months	-	

2. Government of India has received a credit from the International Development Association (IDA) in various currencies equivalent to US\$ 350 towards the cost of the AP Municipal Development Project and intends to apply part of the loan proceeds of this credit to eligible payments under the contract for which this invitation for quotations is issued.

3. Bid Price

- a) The contract shall be for the development of software application.
- b) The quote shall be including of taxes
- c) Sales tax in connection with the sale shall be included in the rates.
- d) The rate quoted by the bidder shall be fixed for the duration of the contract and shall not be subject to adjustment on any account.
- e) The Prices shall be quoted in Indian Rupees only including all taxes, transportation etc., complete.

4. Each bidder shall submit only one quotation.

5. Validity of Quotation

Quotation shall remain valid for a period not less than 30 days after the deadline date specified for submission.

6. Evaluation of Quotations

1. Bidder should be a legal entity having registered and doing business in any of the states of India. Documents in support of legal status, place of registration, Principle place of business etc., should be submitted along with the information.
2. The annual turnover of the bidder in development of similar software should not be less than Rs. 10 lakhs (Rupees Ten lakhs only) in at least one year during the last 3 years. Documents to be supported with Annual Returns filed with the Commercial Tax Department along with the particulars certified by Chartered Accountant.
3. The bidder should have a proof of use of the software in the projects with the scope and deliverable relevant to the attribute collection for Revenue survey in at least two ULBs in India, desirable in Andhra Pradesh. Submit the Work orders for property survey project works in at least last one year in ULB.
4. After the bid opening, eligible bidders will be invited for technical demonstrations, during which all the Technical specifications/requirements mentioned in this bid needs to be demonstrated by the bidders. The technical bid will be evaluated first and price bids will be opened only in respect of those Vendors, who are found technically qualified after evaluation of Technical bids and demonstrations. Confirmed date for Technical evaluation will be intimated after the bid opening.
5. The Purchaser will evaluate and compare the quotations determined to be substantially responsive i.e. which a) are properly signed; a.id b) Confirm to the terms and conditions, and specifications.

7. Award of contract


- 7.1 The Purchaser will award the contract to the bidder whose quotation has been determined to be substantially responsive and who has offered the lowest evaluated quotation price.
- 7.2 Notwithstanding the above, the Purchaser reserves the right to accept or reject any quotations and to cancel the bidding process and reject all quotations at any time prior to the award of contract.
- 7.3 The bidder whose bid is accepted will be notified of the award of contract by the Purchaser prior to expiration of the quotation validity period. The terms of the accepted offer shall be incorporated in the purchase order.

8. Payment shall be made immediately after delivery of the software application.
9. You are requested to submit your offer latest by 17:00 hours on 28 -07-2017 in the office of APMDP, 1st floor, Kavyasri Residency, M.G Inner Ring Road, Guntur.
10. We look forward to receiving your quotations and thank you, for your interest in this project.


Procurement Specialist

Encl: 1. Technical Specification

2. Scope of Work


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TECHNICAL, FUNCTIONAL & SPATIAL SPECIFICATIONS

With Base Map and property survey data collection, following are the broad functional specifications required.

General specifications:

Provision to fill details for the following

1. Select Project/Project Name
2. ULB name
3. Ward wise clip
4. Survey plan/direction
5. Date & Time
6. Survey team details
7. Completion /pending status
8. Total No. of layers
9. User login and password.
10. Admin user login (master User) functionality for survey database accessibility from Cloud.

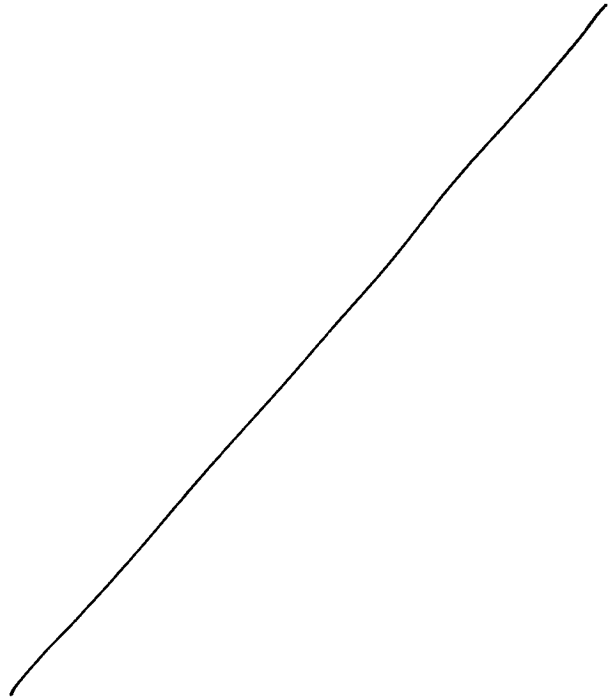
Spatial Functions:

1. Display Satellite Imagery (raster) as backdrop (as reference file) with Road network.
2. Automatically fetch the data for Tax Boundary/Ward Boundary/Election Ward Boundary & Survey numbers from Cadastral data.
3. Selection of data form from drop down menu
4. Fetch the data from ERP server for Assessment Data / Trade License Data / Water Source Details and populate.
5. Export the surveyed data directly to Cloud Server in excel formats respectively.
6. Record Lat/Lon of the Parcels/ Buildings
7. Provision to take photo with auto date and time , save photo, name photo with spatial coordinates to tag (lat and log).
8. Zoom in; Zoom out, on click selection, Pan the map and imagery (equivalent to google map functions)

Module functions: Attribute data collection

1. Attribute data collection as per the fields and forms required by the Technical formats and data model of each layer. Select Saved/Get blank forms to fill, edit or update.
2. For property Survey, facilitate to read only data from ERP data of ULB from the property database, accessibility to the ERP data is critical.
3. Fill all the details required for each property has 3 forms required data to be collected and the data model to be same as that of the ERP. Refer the annexure II enclosed with the form
4. Provision to generate Correlation statements for the properties for each ward wise /ULB wise as per selection of the user and give the correlation assessment statement and reports.
5. Provision for Digital signature of the owner, surveyor and ULB supervisor/officer
6. Attribute data collection in alpha-Numeric and image formats.

Broad specifications mentioned above can be provided module wise separately for base map, property survey and property data analysis and report generation.



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1. About Project

1.1. Introduction:

Revenue Detail Improvement Survey is first of its kind in entire country to be surveyed for every municipality in the state of Andhrapradesh. This project is a key concern that helps in receiving and managing the digital data is collected as a part of survey.

Information about every aspect in view of revenue department of municipality has given priority for improvisation.

For that purpose, a Mobile Application to be developed to help the surveyors as well as the municipal authorities.

1.2 System Statement of Scope

1.2.1 General Requirements

The scope of the project includes development of mobile application for collection of data digitally and save it in the servers for further analysis. This includes friendly user interfaces. It also includes evaluating the type of building on various parameters, collection of plot details etc.

Other main aspects like evaluation of trade, water connections, rain water harvesting were included in this application. In view of maintaining the data consistency and its standardization this application has to interact with ERP Servers of state Municipal Cooperation Authority and broadcast the data where ever that is needed.

The broad scope has been mentioned below.

- Application would be responsible for the development of the software to conduct survey of revenue aspects with respect to municipality and test the software before implementation.
- The proposed system would consists the following key modules.
 - Linking with Zipper application to map the Geo-ordinates of Parcel and Building with Digital Door Number (DDN). For each portion it will allot a Dwelling DDN.
 - Friendly user interface to add variants of buildings occupancy and collect the various data
 - Flashing Data from ERP servers
 - Editing data
 - Reports & Analysis
- Maintenance of software

The detailed scope of the project is listed below

1.2.2. Software development and Implementation

A. Software customization/development

- Requirement gathering and analysis
- System design
- Application development and customization

B. Unit Testing and System Testing

- UAT support
- Bug fixing, minor enhancements of the Software

C. Integration and interfaces

- Interface with banks for transfer of funds

D. Documentation

- Business Process Requirement Document
- SRS & SDD

E. User Manuals

- Consultancy and Training

F. Study of the program and preparation of suitable IT solution

- Participation in brainstorming sessions for evolving suitable processes

G. Training State Level officials

H. Implementation of support

- Support to implementation of software.

1.2.3 Recurring Maintenance and Operational Support

A. Software maintenance

- SOFTWARE Updation and RDBMS maintenance
- Performance tuning
- Data verification, validation and uploading
- Collation of feedback and coordinate on them

B. Implementation of Support

- Support to implementation of software.
- Fault analysis and reporting to the state SW maintenance team.

2.0. Overview of the Proposed Processes in Solution

The Progment Solution facilitates successful implementation all modules through the use of information and Communication Technology by integrating following processes into a single framework

2.1. Modules


- Android Mobile Application
 - Register Mobile Device
 - Parcel
 - Collect Geo Information like ,Latitude,Longitude,revenue Ward, Election Ward, Zone ,Survey Number, Road, Locality, Sub Locality Etc.,
 - Type of Land (Private or Government)-if Government Department Name and other information
 - Plot width, Length and Area
 - Building
 - Collect Building Information like Height ,Floors, Ground Floor Area, Total Area
 - Facilities Available Lift, Parking ,Power Backup, Fire Safety Features, Rain Water Harvesting System and Water Tap Connection Details
 - For Water Tap Connection No of Connections, type of connection ,Water Source, Category, Pipe Size etc.
 - Assessment
 - Owner Of the Property information like Name, Aadhaar Number, Mobile Number and Email
 - Portions
 - Each Portion Information like, Rented or self, Residential or commercial, Structure of Portion, Area, Municipal Permission Records Numbers and issue dates.
 - If Portion is Commercial Trade License and Advertisement Board Details
 - Reports
- Web Application
 - Dashboard
 - Various Analytical and MIS Reports
 - Agency Module
 - Provision for Download the Data to integrate GIS Project as per their requirements.
 - View, Edit and Delete the Records
 - Version Management

3.Training

- Training sessions for the staff to create awareness on the modules at state level.

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