

# Siliguri Jalpaiguri Development Authority

Tenzing Norgey Road, Pradhan Nagar, Siliguri-734403



Phone : Siliguri : (0353) 512922, 515647  
: Jalpaiguri : (03561) 30874  
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Memo No. : 3429/I/Adm/218/13 /SJDA

Date: 08/8/2013

## NOTICE INVITING BID

**NOTICE NO: 13/ 13-14 / Plg/ SJDA dated 07.08.2013**

Siliguri Jalpaiguri Development Authority (SJDA) is the nodal agency for the development of infrastructure facilities at Siliguri Jalpaiguri Planning Area of West Bengal.

SJDA intends to have a GIS based map prepared for the old planning area, SJDA area (1162 sq.km.) by a suitable agency.

Now, SJDA invites Bid in two bid system from experienced firms / agencies having necessary infrastructure for preparation of digitized GIS based map for SJDA area by using Cadastral Survey Maps & Satellite Images.

### Eligible Criteria:-

1. The firm / agency should have experience of similar kind of work of at least three jobs each not less than one hundred sq.km area each.
2. The firm / agency should have at least three years experience in this field.
3. The agency should have necessary infrastructure including expert manpower.

### Scope of Work:-

#### A. Statement of Objective:-

- a) Preparation of plot level multiplayer digital GIS based land use map for old planning area of Siliguri Jalpaiguri Development Authority (area 1162 Sq. Km) in 1:3960 scale for development of an accurate base map of SJDA area required for all type of future planning and implementation.
- b) Preparation/Revision/Amendment of Land Use & Development Control Plan.
- c) Land Record & Land transaction management at micro level and in general Proper Land management.
- d) Preparation of zonal development plan.
- e) Water supply & distribution network management.
- f) Storm water drainage management.
- g) Sewage Management.
- h) Transport Management Plans etc.

#### B. Outline of the tasks to be carried out.

##### (I) Collection of data, Maps etc.

- a) Procurement of scanned images of latest mouza maps (preferably L.R. maps) from DLR & S, West Bengal or from any authentic source, for the area mentioned above.
- b) Works related to procurement of Satellite (Quick bird) imagery of 0.6 mtr. resolution for the Area of Interest i.e. the old planning area of SJDA:- The indent of procurement of Quick Bird imagery of 0.6 mtr. resolution with 0% cloud coverage for pre-monsoon of the latest year by select tasking shall be filled up by the agency with all technical details required and shall be place before SJDA for signature of the appropriate authority. SJDA will pay the actual cost of procurement. All works related to contacting the NRSC, submission of INDENT to NRSC, etc. shall be done by the agency. Verification and Quality of the Image should be ensured by the agency and necessary action is to be taken up with the NRSC.

For the post monsoon LISS-III & LISS-IV imagery of recent years, the latest available archive data for the Area of Interest preferably for the year of high rainfall is to be procured by the agency at its cost.

- c) Procurement Survey of India Topographic sheets for the concerned area.
- d) To collect Police Station map.
- e) To collect data on Administrative boundaries from respective offices.
- f) To collect hard copy of existing Land Use map from SJDA.



- g) To collect data on Property line of major organisations like Indian Railway, National Highway Authority, P.W.D, State Highway, Siliguri Municipal Corporation, etc. from respective organisation and / or Land Record office Forests Department, Land Records Office.

**Tasks for Geo-referenced map preparation:**

- a) The map should be prepared by seamless mosaicing and geo-referencing of scanned images of mouza map (Revenue map) and extracting themes by superimposing these on high resolution multi spectral satellite image (pixel resolution better than 1m in panchromatic and better than 2m on multi spectral) and using DGPS survey as will be required.
- b) The map should depict administrative boundary of SJDA, Municipality / Block boundary, Ward / Gram Panchayat boundary, mouza boundary and plot boundary.
- c) All physical features like water bodies, Roads (NH, SH, other major roads & minor roads, culverts, bridges, High Tension Lines, drainage system, rivers, channels pipelines, railway lines, railway stations etc. ) are to be clearly shown with measurements like length & area.
- d) Property line of major organisations like Indian Railway, National Highway Authority, PWD, Irrigation & Water Ways, State Highway, SJDA, Siliguri Municipal Corporation, Jalpaiguri Municipality etc are to be depicted.
- e) Transferring of existing land use data on the digitized map.
- f) The map should be made in Arc. GIS software as well as Auto CAD format.
- g) The procedure to be followed will be.  
Seamless mosaicing of scanned mouza maps → Geo-referencing → Digitization in Arc-GIS compatible format with geo database.
- h) In the final output, there should not be any silver polygon, no overshoot and undershoot and no null classes.
- i) The geographical co-ordinates and projections system of the final map should be on WGS-84 and UTM.

**Monthly Appraisal of the Work:** Monthly appraisal of the work is to be done on each Tuesday of the first week of each month at this office or as will be suitably decided by the authority

**C. Schedule for completion of Tasks:**

One year for the date of engagement of agency.

**D. The support or inputs to be provided by SJDA:**

Hard copy of existing Land Use (as available)

**E. Final output:**

Plot level multiplayer digital GIS based land use map of old planning area of Siliguri Jalpaiguri Development Authority (area 1162 Sq. Km) in 1:3960 scale in Arc. GIS format and also in Auto CAD format with geo-database for various administrative variables.

**F. Other Terms & Conditions:**

- (i) The satellite imagery procured which will be at the disposal of the agency for preparation of the GIS based Map shall not be used by the agency for its own use or shall not allow anybody to access and use that imagery. After completion of the work, the satellite imagery shall be returned to SJDA by the agency and no copy of that imagery shall be made or retained by the agency and the agency will not allow anybody to copy or retain the satellite imagery.
- (ii) In case of delay in the work an amount of Rs.1,000.00 per day of delay may be deducted from the quoted / accepted amount provided that the delay is not caused due to reason / factor beyond control of the agency and on the issue that whether any such reason / factor is beyond the control of the agency, the decision of SJDA shall be final.
- (iii) The payment will be made after the work is found in order by our expert committee.

No payment will be made if the work is not completed as per the provision of scope of work with required accuracy.



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Memo No. : /SJDA

Date: \_\_\_\_\_

1. **Submission of Bids:**

- a) **Mode of submission:** The bidders shall submit their bids in two sealed covers enclosed in a main sealed envelope addressed to the Chief Executive Officer, Siliguri Jalpaiguri Development Authority, Tenzing Norgey Road, Pradhan Nagar, Siliguri – 734 003.

The sealed cover no. 1 shall be superscribed as "Part – I (Technical Bid)" containing technical and financial specifications / particulars as detailed under 1 (b) below.

The sealed cover no. 2 shall be superscribed as "Part – II (Financial Bid)" containing the rate in Rupees per acre which should be quoted on bidders letter head.

- b) **Documents to be submitted:** Copy of the following documents will be submitted by the bidder / (s) for pre-qualification.

- i) Trade License.
- ii) Income Tax (I.T.) PAN.
- iii) Detailed proposal for method of work, time schedule.
- iv) Experience on eligible criteria as Credentials.

2. **Receiving of bids:** Bid will be received in the office of the Chief Executive Officer, Siliguri Jalpaiguri Development Authority, Tenzing Norgey Road, Pradhan Nagar, Siliguri.

3. **Last date & time of Submission:** 29<sup>th</sup> August 2013 up to 5.00 PM

4. **Opening of bids:** "Part – I" will be opened on 30<sup>th</sup> August 2013 at 11.00 AM and the "Part – II" of the qualified bidders will be opened on 30<sup>th</sup> August 2013 1.00 PM.

5. The bidders shall have to show original copies of the submitted documents at the time of evaluation of the bids.

6. The bidders or their authorized representatives may like to present at the time of opening of the bid. The schedule of opening may be altered depending on unavoidable circumstances.

7. Bidder shall not be in a conflict of interest with one or more parties in the bidding process.

8. SJDA reserves right to withdraw from whole process or any part thereof to accept or reject any or all offer at any stage of the process. No formal obligation shall accrue to SJDA or in such an event authority shall not be responsible for non-receipt of correspondence sent by post / e-mail / fax / courier.

9. The lowest bidders for the project will have to enter into an agreement in SJDA's format within 7 (Seven) Days else the same will be treated as cancelled.

4522-11  
08/08/13  
Chief Executive Officer,

Siliguri Jalpaiguri Development Authority





Memo No. 3429/1(17)/I/Adm/218/13  
/SJDA

Date 08.8.2013

**Copy forwarded to:-**

Copy to: With request to display in their Notice Board.

1. Sabhadhipati, Siliguri Mahakuma Parishad.
2. Mayor, Siliguri Municipal Corporation.
3. District Magistrate, Darjeeling.
4. District Magistrate, Jalpaiguri.
5. Chairman, Jalpaiguri Municipality, Jalpaiguri.
6. Secretary, Jalpaiguri Jilla Parishad, Jalpaiguri.
7. Superintendent of Police, Darjeeling.
8. Superintendent of Police, Jalpaiguri.
9. Superintending Engineer, PWD (Roads), SHC-IV, Shaktigarh, Siliguri.
10. Superintending Engineer, Northern Circle, PWD, Jalpaiguri.
11. Executive Engineer, North Bengal Construction Division, PWD, Siliguri.
12. Executive Engineer, Construction Board, Gayaram Build, H.C. Road, Siliguri.
13. Executive Engineer, Darjeeling Division, PWD.
14. DIO, NIC, Siliguri for publishing in official website.
15. A. P., Siliguri Jalpaiguri Development Authority, Siliguri for uploading in website.
16. Notice Board, Siliguri Jalpaiguri Development Authority, Siliguri.
- ✓ 17. Notice Board, Siliguri Jalpaiguri Development Authority, DCRPD Building, Near Sadar Hospital, Jalpaiguri.

  
**Chief Executive Officer,**  
Siliguri Jalpaiguri Development Authority  
