

## **REQUEST FOR PROPOSAL (Including Corrigendum)**

1. JHARKHAND EDUCATION PROJECT COUNCL, RANCHI invites request for proposal for the following works -

**Work - 1.**

GPS based data collection for GIS enabled school mapping for approx 42,000 schools of Jharkhand State. The details of data collection using Handheld GPS device will be prescribed below:

- a) The technical specification related to GPS data collection requires to collect under following parameters:
  - a. Projection: Geographic Lat-Long (DD.MM.SS.ss)
  - b. Spheroid: Everest
  - c. Datum: India Bangladesh
  - d. Units: Meters
- b) The deliverable file format will be:
  - a. \*.mps(GPS file format), in Hard and SoftCopy
  - b. \*.shp or coverage or geo database (vector file format), in Hard and SoftCopy
  - c. \*.xls (Microsoft Excel Sheet), in Hard and SoftCopy and
  - d. Hard copy and compiled softcopy of filled GPS data captured format (DCF). Deliveries must not be in more than 5 phases.
- c) In the field, the location of schools will be recorded using GPS Receiver. DISE code (11 digits) will be used as unique code. The ground data collected using GPS Receiver must be exported to \*.mps file format having latitude, longitude, altitude and unique id. These data must also be converted to \*.shp (vector) data format, having latitude, longitude, altitude and unique id. In the ground, the location data must be filled in GPS Data Capture Format (see annexure 3), mentioning latitude, longitude, altitude and DISE Code (11 digits) , habitation name, village name, panchayat name, DISE school Code(11 digits) and block name. This DCF will be submitted to the first party i.e., JEPC.
- d) Ideal situation to acquire GPS data collection:-
  - a. The GPS receiver should have clear sky view while collecting the location.
  - b. At least **10** meters away from high rise buildings, high tension wire lines, electric transformer, tree canopy etc. which may cause errors in location. If possible, the location data should be collected from the top roof of school building.
  - c. The horizontal positional accuracy will be restricted to less than 3 meters.

- d. The location will be determined using at least 4 satellites and after stabilizing the full signal strength.

**Work-2.**

- a) Drawing of School campus showing scale plan (scale 1:100 ) of school campus, building blocks, toilets, water facility with DISE code (11 digits) and DISE code as the file name of the school of approx 32,000 schools of Jharkhand in AutoCad and .doc format. School map for approx 10,000 Schools in Autocad format (.dwg) with School Name will be provided to the successful bidder by JEPC. However the bidder shall map the DISE code with the School Name and varify the same from school.
- b) Environmental analysis (Study) in the prescribed format (Annexure -1 ) with DISE code of the school of approx 42,000 schools of Jharkhand
- c) Asset Details in the prescribed format(Annexure -2 ) with DISE code of the school of approx 42,000 schools of Jharkhand.
- d) Three Photographs (4”X6”) each from different angles showing school campus, building, toilet, hand pump, fencing/boundary wall with DISE code and DISE code as the file name of the school of approx 42,000 schools of Jharkhand.

1. Deliveries –

- a. One hardcopy of the above works including coloured photographs in proper order and format Softcopy in DVD. Each of the above works for each district of Jharkhand must be in different DVD.

2. Deliveries must be in maximum of 5 phases.

3. For b) and c) above the delivery must be in MS Access database in CD for entire schools

2. Eligibility criteria for bidding

- a. The Bidder should be a Registered firm/Company.
- b. The bidder should be registered with Service Tax, Income Tax Dept.
- c. The bidder should have experience of working in GPS data collection, GIS survey and Civil Drawing.
- d. Annul turnover should be minimum of 20 lakhs any of the last three financial years or a total of 50 lakhs in last three consecutive financial years.

3. The bidder should submit both "Technical" and "Financial" Bids in two separate envelop indicating proper heading on the envelop.

- a. Technical Bid should accompanied with –

- i. Firm/Company registration Certificate
- ii. Service tax Registration certificate and copy of upto date service tax clearance and Income tax Return filled last year
- iii. Proof of working experience as mentioned in para 2.c
- iv. Audited Balance sheet of last three financial years.
- v. Manpower details.

- b. Financial Bid should contain document showing Rate Quoted per school(Including all taxes/duties) for all the above works in a single column.

4. Implementation Schedule

- a) Start of the Field Work - Within 15 days of work allotted
- b) 25 % of the total work ( survey and delivery ) - Within 40 days of work allotted
- c) 50 % of the total work (Survey and delivery) - Within 70 days of work allotted
- d) 75 % of the total work (Survey and delivery) - Within 100 days of work allotted

e) 100 % of the total work (Survey and delivery) - Within 130 days of work allotted  
If district/State authority declares a vacation/Holidays for more than 6 days, a grace period equivalent to vacation/Holidays so declared in that particular district will be allowed.

**5. Payment terms :**

- a) No payment will be done in advance
- b) Amount to be paid will be as per the actual work done taking school as unit and the rate approved thereof.
- c) 25% of the total amount will be paid after submission of 50 % of work and after sample verification by JEPC or any agency assigned by JEPC
- d) Another 10 % of total amount will be paid after submission of 75 % of work and sample verification by JEPC or any agency assigned by JEPC
- e) Another 15 % of total amount will be paid after submission of 100 % of work and sample verification by JEPC or any agency assigned by JEPC
- f) Rest 50 % will be paid after complete deliveries and complete sample verification by JEPC or any agency assigned by JEPC.
- g) Penalty :
  - a. Delay in Deliveries (for each case mentioned in schedule mentioned in Para 4.) for more than 15 days and less than 30 days – 3% of the total contract value as penalty will be deducted from the payment amount or from performance security
  - b. Delay in Deliveries (for each case mentioned in schedule mentioned in Para 4.) for more than 31 days and less than 45 days –5% of the total contract value as penalty will be deducted from the payment amount or from performance security
  - c. Delay in Deliveries (for each case mentioned in schedule mentioned in Para 4.) for more than 46 days – 10% of the total contract value as penalty will be deducted from the payment amount or from performance security

**6. Bid Price, EMD and performance security**

- a) The bid price must be quoted in Rs \_\_\_\_\_ per school. It must be valid for 180 days from the date of bid submission
- b) An EMD of Rs. 50,000/- (Fifty thousand only) in the form of Demand Draft or Bank Guarantee from any nationalized bank in the name of Jharkhand Education Project Council, Ranchi payable at Ranchi which must be valid up to six months from the date of opening of technical bid, should be submitted along with Technical Bid.
- c) Performance security in the form of Bank Guaranty from any nationalized bank in the name of Jharkhand Education Project Council, Ranchi payable at Ranchi which must be valid up to 1 year from the date of allotment of work for Rs 5% of total contract value must be submitted for getting any payment and EMD submitted.

**7. Cost** of Rs 1000/- for Tender document can be deposited either in cash or in form of Demand Draft from any nationalized bank in favour of Jharkhand Education Project Council payable at Ranchi.

**8. Pre Bid** meeting will be held on 1<sup>st</sup> April '2010 at 11:00 AM at our above office.

9. Bidders can be asked to present their detailed plan of action, if required before and after allotment of work.
10. Terms and conditions
- a) No. of schools may vary up to 10 % till the end of final submission and sample verification thereof.
  - b) List of schools with DISE Code will be provided by JEPC after work allotment.
11. Evaluation of Quotations -- Received quotation will be opened at 3:00 PM on dated 24<sup>th</sup> April '2010 and will be evaluated on lowest cost subject to confirmation to the terms and conditions. The rate so quoted will be evaluated for the entire work together.
12. Award Of Contract -- The purchaser will award the contract to the bidder whose quotation has been determined to be substantially satisfying the terms and condition and who has offered lowest evaluated quotation price for the entire work.
13. Interested Bidders are requested to provide the offer in sealed envelope latest by 2:30 PM on 24<sup>th</sup> April '2010.

Sd./-  
**(Mridula Sinha)**  
**Secretary HRD –cum- State Project Director**

ANNEXURE -1

**ENVIRONMENTAL ASSESSMENT OF SSA SCHOOL BUILDINGS**

**1. Details of school :**

- a. Name of school : .....
- b. DISE Code (11 digits) : .....
- c. Type/P/UP/HSS : .....
- d. Number of Students
- e. Number of section/division
- f. Number of classrooms available
- g. Number of teachers
- h. Number of toilets
- i. Number of urinals

**2. Location of School :**

- a. Near main road, railway line :
- b. Near highway congested area, market place :
- c. Near any water body (canal, open drain –waste water :
- d. Near industries – type (thermal power house, cotton industries, ginning, weaving etc. wood, plastic, milk, leather etc.) (yes/no) :
- e. If the above is nearby the schools Yes  No
- f. Whether the school has protection/compound wall Yes  No
- g. Whether the school is free from (yes/no) : (i) Noise pollution  (ii) Air pollution   
(ii) Water pollution

**3. Campus :**

- a. Whether the school is having sufficient space for carrying out various activities  
Yes  No
- b. Whether the campus is clean Yes  No

c. Whether the solid and liquid waste is disposed off as per standards, norms and guidelines prescribed.

YES  No

d. Whether the campus is free from any hazards.

Yes  No

e. Whether the campus is having even or uneven land or any depressions.

Even  Uneven

f. Whether the campus is having trees, gardens, etc.

Yes  No

**4. Play Elements including child friendly elements :**

Type available condition

**5. Location of Toilet :**

a. Whether the toilet and urinals are constructed as per prescribed norms, guidelines, and standards.

Yes  No

b. Whether the toilet is located 10m away from the drinking water source if it is a point source.

Yes  No

c. What is the arrangement for maintenance of the toilet? Whether the toilet or urinal is maintained well?

d. Quality of construction, whether it is approachable by everyone including the disabled?

e. How the water from toilet and urinals is disposed off through septic tank, leach pit others.

f. Facility Available

Number of Toilet Units	Total units available	Functional units with water facilities within toilet complex	Functional units without water facilities within toilet complex	If non-functional, number of repairable units	Number of units funded by agency		
					SSA/ DPEP	TSC	Others
Boys							
Girls							
Teachers							
Total Toilet Units							
No Facility							

- Yes      No
- g. Whether the toilet is provided with water taps for hand washing, soap etc.
- h. Whether the hand washing facility is provided.  
Yes  No
- i. What is the arrangement for disposal of hand wash water? Leach pit, gardening, others.
- j. Whether the taps provided are at appropriate height.  
Yes  No
- k. Any stagnation of water near the wash areas?  
Yes  No

**6. Drinking Water Source :**

- a. Type (Bore well with power pump, Bore Well with hand pump and type of pump (IM-II, IM-III, others), open wall with lifting device, without any lifting device, pipe water).

Number of water facilities	Functional	Non- Functional	If non functional, repairable or non repairable	Number of units funded by		
				SSA/ DPEP	ARWSP/ NRDWP	Others
Hand pump						
Well						
Tap water						
Others						
None						

Quality: In case of bore well and rain water harvesting and open well physical, chemical and bacteriological, quality. In case of pipe water physical and bacteriological quality. (Physical through observation, chemical through field Test Kit and bacteriological through H2S Oil Kit.)

- b. Quantity: whether sufficient quantity of water is available for the daily needs/for the consumption of the student, teachers etc.
- c. Arrangements for supply of water- through over head tank and battery of taps other methods- please specify.

- d. What is the arrangement for disposal of waste water from taps? Leach pit, garden, others please specify.

- e. Whether stagnation of water nears the drinking water/tap areas?

**7. Classroom :**

- a. Type of construction- bricks cement plaster with RCC roof, burnt bricks with cement plaster with Mangalore tile roof, GI sheet, asbestos, other un-burnt bricks with mud plaster with (indicate) type of roof, Random Rubble Masonry with mud, cement plaster with type roof.

- b. Whether the classroom construction and size area etc. is as per standard including earthquake, fire and other natural calamities.

- (i) Number of doors, windows, provided in each classroom and whether they as per standards and whether safe to handle by students.

- (ii) If electric connection provided whether it is as per standards – prevention of overload short circuiting etc.

- (iii) Ventilation arrangements.

- (iv) Natural lighting arrangement – whether all corners of the room is getting light and whether the children are able to read without electric light on a normal day.

- (v) Type and conditions of benches, table provided whether they are child friendly and harmless to use.

- (vi) Quality to material used.

- (vii) Paints and varnishes used for painting are they safe eco-friendly and as per standards?

(viii) Type and size of verandah provided.

(ix) Are there safety exit provided for children in case of emergency.

(x) What are the safety arrangements provided for e.g. fire etc.

(xi) Laboratory

(xii) Reading Room

(xiii) Computer Lab

**8. Kitchen Shed**

a. Location of kitchen shed and area surrounding it.

b. Whether the kitchen shed has cooking, storing (fire wood, cooked material, cooking material, water etc.) water for cooking, cleaning of grains, vegetables, utensils and washing area.

c. Hygiene condition in

d. Distance of Kitchen from nearest toilet (in meters)

e. Distance of Kitchen from nearest water source (in meters)

Facility	Yes/No	If No, give reason
Classroom and school premises are clean		

Wall, floors and basin are clean in toilets and urinals		
Confirm the availability of hand washing facilities in the schools		
Safe drinking water is available throughout the year		
Is the water quality of the source tested		
Waste water is disposed off properly (No sign of water stagnation)		
Number of students having toilet at home		
Health check-up of students and referral in last one year		

**Signature of  
Teacher/Headmaster**

