

NATIONAL INSTITUTE OF HYDROLOGY
(A Govt. of India Society under Ministry of Water Resources, River Development & Ganga Rejuvenation)

JALVIGYAN BHAWAN, ROORKEE – 247 667 (UTTARAKHAND)

NOTICE INVITING QUOTATION

File No.5(XXVII)/2018-Pur-2

Registered post/Speed Post

Dated: 27.9.2018

From: The Director,
National Institute of Hydrology,
Jalvigyan Bhawan,
Roorkee – 247 667 (Uttarakhand)

To:

List Attached

Dear Sir(s)

Sealed Quotations are invited from the registered firms/contractors for the following works mentioned below, so as to reach by **22.10.2018 at 15.00 Hours** in the Office of Purchase Officer, National Institute of Hydrology, Jalvigyan Bhawan, Roorkee – 247 667. The quotations received after due date and time will not be considered, and no correspondence in this regarding will be entertained:

Sl.	Particular of works	Quantity	EMD (Rs.)
1	Georectification of cadastral sheets for FBP land	330 cadastral sheets	6,000.00

2. The quotations complete in all respect with telephone number, etc. be sent to “The Purchase Officer, National Institute of Hydrology, Jalvigyan Bhawan, Roorkee – 247 667 (Uttarakhand) in sealed envelope.

3. **The firm should clearly mention on the top of the sealed envelope “Quotations for Georectification of cadastral sheets for FBP land” and “to be opened on 23.10.2018 at 1100 hours”.**

TERMS AND CONDITIONS:

1. The tender document containing specifications of work, terms and conditions, etc. can be obtained from the Purchase Section (Admn.), National Institute of Hydrology, Roorkee on payment of Rs. 590/- (Rs. Five hundred ninety only) (non-refundable) in the form of crossed Demand Draft/Pay order in favour of National Institute of Hydrology, payable at Roorkee, which has to be attached along with the Bid.
2. The tender document can also be downloaded from NIH website **www.nihroorkee.gov.in**. However, the demand draft towards the cost of tender document as prescribed above will have to be enclosed along with the tender document while submitting the same. In case the offer is not accompanied with the valid demand draft for the cost of tender document as detailed above, the tender will be rejected.
3. In case the date of opening is declared holiday on any account the said date shall be substituted by the next working day.

4. Tender complete in all respect should be deposited in the Tender Box kept in the Purchase Section (Admn), National Institute of Hydrology, Jalvignyan Bhawan, Roorkee – 247 667.

LAST DATE & TIME FOR SUBMISSION OF BID WILL BE	22.10.2018 at 15.00 Hours
DATE/TIME OF OPENING OF BIDS WILL BE	23.10.2018 (1100 HOURS)
VENUE OF BID OPENING AT NIH, ROORKEE	OFFICE ROOM OF CHAIRMAN, TENDER OPENING COMMITTEE, NIH, ROORKEE

PLEASE NOTE: Please strictly adhere to the dates/times mentioned in this document.

5. The Tender/Bid will be opened in the presence of representatives of tenderers, if any. Request for postponement will not be entertained. Fax/e-mail bids may not be accepted. Late/Delayed tenders shall not be opened. **The Bids will be opened on 23.10.2018 at 1100 hours in the office room of the Chairman of the Tender Opening Committee in presence of such of the tenderers/or their authorized agents, who are interested to be present at the spot at the time of opening the quotations.**
6. The Director, NIH, reserve the right to accept or reject all or any of the quotations in part or full at any time prior to award the work order, without assigning any reasons, whatsoever, and without incurring any liability or obligation, whatsoever, to the effected bidders.
7. The work has to be completed within **120 days** from the date of award of contract work for Georeferencing of land area/plots belonging to FBP. The quotation shall remain valid for acceptance for a period of not less than 90 days after the specific date of opening of the quotation.
8. If the firm does not mention percentage of GST etc., it would be assumed that the rates include all these, and subsequently no request for charging them as extra will be entertained in this regard.
9. The quotations should be submitted on your letter head for the work as per the specifications/requirements given in enquiry letter. GST number and Tax related papers may also be attached with quotation.
10. All the disputes/litigation, if any will be subjected to Roorkee/Haridwar jurisdiction only.
11. **IMPORTANT NOTE: Please provide the following information in your quotation, otherwise your quotation is liable to be rejected:**
- GST and PAN, if any
 - Payment terms
 - Delivery/work conditions
 - Software/ online sub- meter resolution satellite data to be used in the Contract work.

Yours faithfully,

(Omkar Singh)
Scientist F & Purchase Officer

Copy to:

1. P.I. of the Project.
2. OIC, Computer Centre
3. Finance Officer

(Omkar Singh)
Scientist F & Purchase Officer

TENDER DOCUMENT

Tender Notice No. 5(XXVII)/2018-Pur-2

NAME OF THE PROJECT: Consultancy study " Land use planning of Farakka Barrage Project (FBP) area: Land use mapping "

NAME OF THE WORK : Georectification of cadastral sheets for FBP land



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**NATIONAL INSTITUTE OF HYDROLOGY
ROORKEE – 247 667
UTTARAKHAND
September, 2018**

TERMS OF REFERENCE AND INSTRUCTION TO BIDDERS

INTRODUCTION

National Institute of Hydrology intend to undertake the work of ‘**Georectification of cadastral sheets for FBP land**’

Description of Work

Georectification of cadastral sheets for FBP land.

Area description

General Information about area

FBP land is located in West Bengal, Jharkhand and Bihar. Major part of the area is in Murshidabad and Malda district of West Bengal. Cadastral sheet is an individual map covering part of a village or complete village.

RESPONSIBILITIES OF NATIONAL INSTITUTE OF HYDROLOGY ROORKEE

To provide cadastral sheets (shape or image format)

INSTRUCTIONS TO BIDDERS

1. The bidder shall submit cost including all taxes as applicable in the financial bid. Unit cost for cadastral sheet should also be quoted as the number cadastral sheets to be awarded may vary depending of updated information available etc.
2. Your tender should reach us at our NIH office by 22.10.2018 by 1500 hrs. in the office of Purchase Officer, NIH shall not be responsible for any delay in receipt of the tender. Late tenders shall not be considered. NIH reserves the right to reject any or all the tenders, without assigning any reasons thereof. The Financial Bids shall be opened on the 23.10.2018 at 1100 hrs.

GENERAL TERMS AND CONDITIONS

1. Time period for the work – **120 days** from the date of award of the work.
2. Supervision: The contractor shall provide at all times access to and facilitate inspection and supervision of the works and records for the authorized personnel/scientist of NIH.
3. Responsibilities of the bidder: The bidders shall be solely responsible for following sound technical and other methods and practices of GIS work, accuracy of the equipment, and field work.
4. Incomplete tender or tender received after the last date shall not be considered under any circumstances.

Financial Conditions

1. The bill of quantities is only indicative in order to arrive at the total contract value. The payment shall be made as per actual quantities at the rates accepted by NIH.
2. The Payment towards carrying out various items of works as detailed shall be made to the successful bidder in the following manner.
3. 100% of contract value on completion of the works in all respects and submission of georectified cadastral sheets along with data etc. and acceptance by NIH.
4. In the event of any dispute, the decision of the DIRECTOR, NIH shall be final & binding. The venue of the arbitration shall be at local court, Roorkee.
5. NIH reserves the right to reject any one or all the tenders without assigning any reason thereof.

6. The bidder will have to quote the rates for aforesaid work as per their respective sites inclusive of all taxes/service tax. No extra payment will be entertained by NIH in respect of any claim whatsoever in the same case.
7. The bidder shall comply with proper and legal orders and directions of the local or public authority or municipality and abide by their rules and regulations and pay all fees and charges, which may be liable.

SPECIAL CONDITIONS OF CONTRACT

1. The bidder shall nominate one person for liaisoning with NIH personnel in connection with the work.
2. NIH may, at its discretion, award total or part of the work depending upon their technical capabilities and financial offers and fund availability with NIH.
3. NIH shall deduct taxes at source, demand draft charges etc. as may be applicable and shall provide a certificate to this effect.
4. The work details/ data/ output collected/ generated shall not be passed on to any other person or organization or used anywhere else by the contractor without the prior permission of NIH.
5. Firm shall use single source for online sub- meter resolution satellite data.
6. Cost should be inclusive of licensing requirements of digital online sub- meter resolution satellite data and software etc., if any and shall be arranged by firm. No additional payment will be made in this respect.

SCOPE OF WORK AND SPECIFICATIONS

Work of georectification of cadastral sheets for FBP land

Brief Scope of Work

- (i) The scope of work has been described in Annexure I.
- (ii) To provide any clarifications/justification required by client during the acceptance of deliverables for the work carried out by the bidders.

Technical Specifications

Georectification of cadastral sheets

For georectification of cadastral sheets, 25 or more GCPs per sheet (good quality and well distributed points) shall be taken. The georeferencing shall have mean error of less than five pixels/ four metre whichever is better (first order transformation).

Derivable

Work at S No 1

1. Georectified vector data for cadastral sheets (for input cadastral sheet in vector format)
2. Georectified raster cadastral sheets (for input cadastral sheet in image format)
3. Georectification control points files for all sheets (text/ CSV and native format) shall be provided.

Schedule - 'A'

NAME OF WORK: Carrying out 'Georectification of cadastral sheets for FBP land'

Sl No.	Detail of Works	Qty	Unit rate Rs.		Amount Rs.	
			In Figures	In words	In Figures	In words

1.	Georectification of cadastral sheets for FBP land	330 cadastral sheets				
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We agree to execute the above work (S. no. 1) in accordance with the technical specifications and terms and conditions mentioned in this tender documents for a total contract price of Rs.....(Rupees.....) within the period specified in the invitation for tender.

Date

Name & Signature of the Authorized Signatory

Details for georectification of cadastral sheets for FBP land

FBP land area, structures and plots are located in states of Bihar, Jharkhand and West Bengal. Cadastral sheets in which FBP land lies, are required to be georectified to facilitate ease in locating their land assets. The work involved georectification of vector or raster cadastral sheets with any one of the online sub- meter resolution satellite data e.g. Google Earth, Bing etc. Details of the work involved in given below.

Georectification cadastral sheets with online sub- meter resolution satellite data

- i. For sheets in vector form, use vector georectification (no digitization and scanning is involved).
- ii. For sheets in image form, use raster georectification (no digitization and scanning is involved).

List of Agency / Firms

			Reference
	Spa Geo Technologies Pvt. Ltd. 8A, 3rd Floor, Mahaluxmi Metro Tower C-2 Sector-4 Vaishali, Ghaziabad (U.P)-201010 Tel: +91-120-4567200, 2771577, 4567100 info@spageo.co.in http://spageo.co.in/contact_us.php		
	GIS Consortium India Private Limited H-112, First Floor, Sector 63, Noida Uttar Pradesh – India – 201 309 Fax : +91-120-4640020 91-120-4640000 info@gisconsortium.net http://giscindia.com/contact/	Services: Georeferencing (ISO 9001:2008 Certified	GISIndia.com
	InfoTech Enterprises, Pankaj Plaza, Sector 10, Dwarka, New Delhi – 110075 info@infotechit.net + 91 989-100-0445 https://www.infotechenterprises.net/contact.php	Services: Georeferencing (Vector, raster) USA, Brazil, UK	
	Matrix-Geo Solutions (P) Limited B-3 First Floor, Patel Garden New Delhi - 110059 Phone: 91 98915 66550 / 91 98915 08001 Office: +91 11 6543 6550 For general info info@matrix-geo.com For Sales sales@matrix-geo.com	Services: Georeferencing ESRI Development Partner ISO 9001:2008	
	Esri India Technologies Ltd (erstwhile NIIT GIS Ltd) Address: H-7, Sector 63 City: Noida State: Uttar Pradesh, INDIA PIN: 201301 Phone: +91 (120) 4285000 / 5200 Fax: +91 (120) 4285333 E-mail: newdelhi@esriindia.com Esri India Technologies Ltd (erstwhile NIIT GIS Ltd) Address: 3B-501, 5th Floor, City: Kolkata State: West Bengal PIN: 700 156 Phone: +91 (33) 4072 4446 / 4463 Fax: E-mail: kolkata@esriindia.com	Data services	

<p>VS Geospatial Technology O-8, A-5 Dilshad Garden, New Delhi, 110095, India hr@vsgeospatialtechnologies.com +91-011-43044109 http://vsgeospatialtechnologies.com/</p>	<p>INDIA, US, UK & Middle East</p>	
<p>Geo Adithya Technologies # 7, Zackaria Colony, Main Road, Kodambakkam, Chennai - 600 024. Tamil Nadu INDIA info@geoadithya.com +91 - 86088 777 66 http://www.geoadithya.com/contact.php</p>	<p>Cadastral mapping Argentina, Canada, Malaysia ISO 9001:2015</p>	
<p>Surryapps Consulting INDIA 54 RedhillsKolatur Road AravindAppartment Chennai - 66 HP : +91-787 133 9379 MAIL : surryapps@gmail.com http://surveyapps.in/services.html</p>	<p>GIS services</p>	
<p>Opsis System Pvt. Ltd. Keota Shibtala, P.O – Sahaganj, District – Hooghly, PIN – 712104 , West Bengal, India Tele-fax – (033) 26318058, 9830078253(mobile), email – admin@opsis-system.com, opsiset@yahoo.com www.opsis-system.com</p>		
<p>Geomatic Scientific Technology Services Pvt. Ltd. A/45/1, Baghajatin, Kolkata-700092 Phone : +91 9734628690 Email : sayantan.jana@geomaticx.com info@geomaticx.com Phone: +91 033 2423 5353 +91 033 6555 1114 http://www.geomaticx.com/</p>		
<p>PCI Software Pvt. Ltd. J1-14, Kredent Tower, 3rd Floor EP & GP Block, Sector V, Salt Lake Kolkata – 700 091 Phone: +91 33 4601 7515 E-mail: bhaskar@pciindia.net http://pciindia.net/</p>		
<p>IGeomaps Technologies 8/316, Indira Nagar, Lucknow-16 Uttar.Pradesh (India) Phone: +919711431272</p>	<p>Cadastral GIS mapping</p>	

	<p>Website: www.igeomaps.in Email: info@igeomaps.in</p>		
	<p>i-Infotech Indira Nagar, Khairatabad, Hyderabad, Telangana (India), India Pin Code - 500082. +91 8899775587 +91 8899775388 vipin@sgsinfotech.com info@sgsinfotech.com</p>	<p>Cadastral mapping, georeferencing</p>	
	<p>CyberSwiftInfotech Address : DN 52, PS Srijan Tech Park, 6th Floor, Salt Lake City, Sector-V, Kolkata - 700091 Phone No : 033-3354-6600 FAX No : 033-3354-6603 Contact Person : Mr. Dip Mitra Contact Email : dip.mitra@cyber-swift.com Office : (+91) 033-3354-6633 Mobile : (+91) 98833-22994</p>	<p>GIS, Cadastral mapping</p>	