

NATIONAL INSTITUTE OF HYDROLOGY, ROORKEE
(Govt. of India Society under Ministry of Jal Shakti, Department of Water Resources, River
Development and Ganga Rejuvenation)
JALVIGYAN BHAWAN, ROORKEE-247667 (UTTARAKHAND)

No. 5(III)/2022/NIH-Pur-3

Date: 25th April, 2022

Quotation NOTICE

Subject : Development of web-portal and web application for site suitability mapping under the project “Capacity development program on site suitability mapping for Managed Aquifer Recharge (MAR) under varying climatic conditions using remote sensing and machine learning based hydrological modelling tools” – regd.

To,

Dear Sir (s)

The Director, National Institute of Hydrology, Roorkee herein after referred to as ‘NIH, Roorkee’, invites sealed quotations for Development of web-portal and web application for site suitability mapping under the project “Capacity development program on site suitability mapping for Managed Aquifer Recharge (MAR) under varying climatic conditions using remote sensing and machine learning based hydrological modelling tools from authorized and reputed dealers/contractors/firms related to above work.

The last date for submission the quotation is **17.05.2022 at 3.00 P.M.** and will be opened on same day at **4.00 P.M.** The Quotation received after due date and time will not be considered, and no correspondence in this regard will be entertained.

Procurement Officer
NIH, Roorkee

Date: 25th April, 2022

To

Procurement Officer,
National Institute of Hydrology,
Jal VigyanBhawan,
ROORKEE.

Subject : Development of web-portal and web application for site suitability mapping under the project “Capacity development program on site suitability mapping for Managed Aquifer Recharge (MAR) under varying climatic conditions using remote sensing and machine learning based hydrological modelling tools

Ref: 1) Your Quotation No. -----Dated -----

I/we have read the contents of the terms and conditions mentioned in your quotation schedule and its enclosures and agree to abide by the same.

I/We have also examined the requisite specifications of the equipment to be supplied and my/our offer is to supply the required Materials/Equipment in accordance with the requisite specifications.

I/We quote the rate inclusive of all taxes, duties, transportation, etc in complete. The articles will be supplied, installed, tested and commissioned within 30 days from the date of receipt of order.

Yours faithfully,

(Signature and stamp of the
quotationer, State legal status,
Whether Prop., Partner, Registered
firm, Company etc.)

Details of Web-portal for MAR under APN study

The web-portal will be utilized for conducting trainings on site suitability mapping for MAR. The first phase of development should include the functionalities as mentioned below and should be completed in 45 days. The training materials (such as manuals, videos and tutorials), training schedule, etc. will be uploaded during second phase which will continue till November 2022. The developer should provide continuous support till November 2022 for various modifications after completion of first phase. Developer should actively involve during the three training programs to be organized between May and September 2022 for timely uploading the training materials. The portal should have the following functionality:

Multi-page contents: The portal should include multiple pages, e.g, home-page, theoretical contents, tutorials, etc. It should be capable of uploading images, scripts and videos on tutorial page. The number of pages may vary based on the contents.

Web application: a web application should be created. It should be able to take user inputs, which may include file uploads, text and number inputs, etc., and save those files and inputs in user directory. Consequently, it should awake another python program to run simulations. The simulation program which is to be run at the back-end will be developed in python and technical support for developing simulation program will be provided by the project PI. Various options are to be added for user choices. A dashboard like interface is to be developed to visualize model outputs. The model should also include user authentication for securing user data.

Schedules: Portal should include a page for upcoming training schedule. It should contain lecture topics, descriptions and faculty profiles.

Registration: An option to register/sign-up should be provided. The registration request should be send to training coordinators for approval through email and a confirm email should be sent to user on approval.

User database: A database is to be created for user data, such as user credentials, model input and output data.

System installation and backup: A systematic installation procedure and configuration files should be developed to ease re-installation of the system. The scripts and database should be created in such a way that back-up database could be reutilized in case of system re-installation. Scripts for system backup should be developed.

Programming language and program structure: The entire system should be developed in 'python'. Python dash (open-source) should be utilized for web development. The scripts should be written in Object Oriented way and proper comments and descriptions should be given wherever needed in the scripts. A front page for NIH website should be designed in any other language which is compatible with NIH web-site.

Certificates: Option to generate certificates with digital signatures and QR code for all approved trainees should be provided in the portal. The certificates should be generated automatically and sent through email.

Hosting: Portal will be hosted from a server at NIH. Installation and configuration should be made in this server for hosting. A domain name should be purchased for hosting, cost of which should be borne by developer. The domain should be valid for three years.

Terms and conditions:

1. The quotations will be opened on the same day at **4.00 P.M.** in the office of Chairman 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 tenders/quotations.
2. The rate of GST should also be indicated in each case against the supply. NIH is exempted from GST/ Excise Duty under notification no. 10/97 dated 01.03.1997. Hence excise duty, if any, should be shown separately.
3. The delivery of goods shall be FOR NIH. In case ready stocks are not available, stocks in hand may please be stated, the best delivery period for the balance quantity may please be given. The firm should clearly mention the delivery period, which normally should not be more than 30 days.
4. Quotations should be inclusive/exclusive all packing and other forwarding expense, freight insurance charges. The quotations, which are exclusive of packing and freight charges etc., should indicate the amount that shall be charged on this account for all part of the items. The firm should give the rates of item per unit also.
5. Complete descriptions, specifications, and make of the goods quoted should be given, Printed literature/pamphlets should be sent with the quotations failing which the same may not be considered.
6. The payment of goods is to be made on completion of satisfactory supply, actual receipts, inspection and approval. The supplier will have to send Supply Challans and Delivery Notes along with the supply and a bill in Triplicate indicating clearly the Purchase Order No., date and other details of supply. While quoting the rate(s) of items the following information invariably be made available.
7. 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. Offer should be from ex-stock, indicating minimum delivery period.
9. The firm on whom the supply order is placed within the period acceptance of the offer will be required to execute the supply within a specified period from the date of issue of the supply order. If the supplier fails to deliver any or all of the goods, the purchaser shall, without prejudice to its other remedies under the contract, deduct from the contract price as liquidated damages, a sum equivalent to 0.5% of the delivered price of the delayed goods for each week of delay, up to a maximum deduction of 10% of supply price.
10. If the firm does not mention percentage of GST /Other charges 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.
11. Against the EMD bid Security Declaration form should be attached.
12. The quotations should be submitted on your letter head for the items as per the Specifications/requirements given in enquiry letter. (GST related papers may also be attached with quotation.
13. All the disputes/litigation, if any will be subjected to Roorkee/Hardwar jurisdiction only.
14. The minimum period of Warranty/Guarantee shall be minimum 12 months from the date of installation/commissioning. The firm may also be liable to deposit the performance

security @ 3% of goods value for the period of warranty of the equipment/Goods in the shape of B.G./FDR/Cash, in favour of, National Institute of Hydrology, Roorkee

15. 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 of purchase order, without assigning any reason, whatsoever, and without incurring any liability or obligation, whatsoever, to the effected tenderer or tenderers.

IMPORTANT NOTE- Please provide the following information in your quotation, otherwise your quotation is liable to be rejected.

1. F.O.R. condition
2. GST
3. Payment
4. Delivery condition
5. Validity
6. Warranty, if any (should be more than one year)

Yours faithfully,

Procurement Officer