

No.5(III)2021/NIH/Pur-07
Dated: 09.08.2021

To,

---as per list attached---

**Subject : Quotation for contraction/installation of 10 Nos. of Borewells
(Piezometers)**

Dear Sir,

The National Institute of Hydrology, Roorkee is invites quotations for the work involves drilling and installation of piezometer of 6" borehole size at 10 different location within 10 km area of UPRVUNL, Harduaganj. The format of submission of quotation along with the terms & conditions is enclosed herewith.

The Quotation must be submitted in sealed envelope only and send by post/courier. The last date of submission of the quotation is 31.08.2021 upto 03:00 P.M. and the quotation will be opened on the same day i.e. 31.08.2021 at 04:00 P.m. The firm can send their representative at the time of opening of the bids.

You are requested to send your quotation on the following address:

Purchase Officer
National Institute of Hydrology
Jal Vigyan Bhawan,
Roorkee-247667, Distt:Haridwar (Uttarakhand)
Phone No. 249217, Mob.9411100378

If the firms have any query, the firm may ask the same before Aug 16, 2021.

Thanking you,

(Omkar Singh)
Scientist 'F' & Purchase
Officer

**FORMAT FOR SUBMISSION OF QUOTATIONS FOR
CONSTRUCTION/INSTALLATION OF 10 NOS OF BORE WELLS
(PIEZOMETERS)**

NAME OF FIRM:

COMPLETE POSTAL ADDRESS :.....

.....

Mobile No. **E-mail Address:**

GST NO.:**PAN NO.:**.....

(Please read all TERMS AND CONDITIONS carefully before filling the quotations)

TERMS & CONDITIONS:

- 1) The quotations must be submitted only in sealed envelope through post or courier so as to receive on or before the last date of submission of quotation. Quotations submitted by e-mail/whats app etc shall be rejected.
- 2) The quotation must be submitted on the letter pad of the firm indicating GST No. In case GST No. is not printed on the letter pad, it must be clearly written. Alternatively, the quotation can also be submitted on print out of this format. However, in this case each page of this format must be have a seal/stamp of the firm.
- 3) The quotation should be duly signed by the authorized signatory of the firm. Quotations without signatures shall be rejected.
- 4) Rate should be quoted for all items in the format. Incomplete quotations shall be rejected.
- 5) The contract shall be for the full quantity as described above.
- 6) All duties, levies, etc. payable on the raw materials and components shall be included in the total price.
- 7) The rates quoted by the bidder shall be fixed for the duration of the contract and shall not be subject to adjustment on any account.
- 8) Each bidder shall submit only one quotation else the quotation shall be rejected.
- 9). Quotation shall remain valid for a period of 90 days after the deadline date for submission.
- 10) The National Institute of Hydrology, Roorkee 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.
- 11). Payment shall be made immediately after satisfactory completion (installation) of the work. The payment shall be based on the actual expenses (actual depth of drilling/casing pipe etc).
- 12). Normal commercial warranty/guarantee shall be applicable to the supplied goods.

(Purchaser)

Name: **Procurement Officer**

Address: C/o Director

National Institute of Hydrology,

Jal VigyanBhawan, Roorkee - 247 667 (Uttarakhand)

Tel. No.: 01332-249217

TECHNICAL SPECIFICATIONS

1. SCOPE OF WORKS

The work involves drilling and installation of PIEZOMETER of 6" borehole size at 10 different locations within 10 km area of UPRVUNL Thermal Power Station at Harduaganj (Annexure-I). The details of the work are given in Annexure-II.

2. SELECTION OF SITES AND PRELIMINARIES

- a) The whole work is to be executed at 10 sites in and around the UPRVUNL Thermal Power Station at Harduaganj (District-Aligarh, UP) (Annexure-I) showing the tentative location of potential sites. The intending Bidders may, if required, visit and study the area of work and satisfy themselves as to the nature, location and lithology of work from all aspects before submitting their bid. The proposed location for borehole drilling and piezometer installation will be shown to the Contractor by a specific Committee of NIH, ROORKEE or its Representative. Although all the sites are approachable but if access to the site necessitates any temporary approach road, the same is to be constructed by the Contractor at his own cost and no extra payment or compensation thereof shall be payable to him on this account. Sites shown to the Contractor will not normally be changed, but in exceptional circumstance, if, it is necessitated, the Committee of NIH, ROORKEE, however, reserves the right to do so and the Contractor shall have no claim, whatsoever, for such change of site.
- b) It will be the Contractor's responsibility to make lighting arrangements for boring operations and arrangement for drinking water and for other purposes for this work at his own cost or tapping other existing resources. No payment shall be made for water and electric charges separately.
- c) The Contractor shall have to furnish in writing to the Committee of NIH, ROORKEE, a programme of borehole drilling and installation of piezometers within a week of handing over the pin pointed sites to the Contractor.

3. ASSEMBLY & DEVELOPMENT OF PIEZOMETERS (OBSERVATION WELL)

After the boring operations are completed, the Committee of NIH, ROORKEE or its Representative shall give the design for each observation well assembly to be lowered in the bore hole drilled as per the Specifications mentioned in the tender document. The assembly shall be lowered in the presence of the Representative or the Committee of NIH, ROORKEE.

4. MODE OF MEASUREMENT

The Contractor shall be paid on actual measurement basis of finished work at each site on the basis of quoted rates.

5. CONSTRUCTION OF PLATFORM, WELLCAP AND PROTECTION BOX

- a) After the completion of drilling and construction of the piezometers (10) in all respects described above, the Contractor shall construct Cement Concrete Platform around the Well, Protection Box, etc. as per the approved design/specifications.
- b) The area surrounding the constructed piezometers (10) has to be leveled, pits, if any, to be filled and the area to be restored to the original condition before handing over the site to the Committee of NIH, ROORKEE or its Representative.



Figure 1. Map showing the tentative locations of the borehole drilling area.

**FORMAT FOR SUBMISSION OF QUOTATIONS FOR
CONSTRUCTION/INSTALLATION OF 10 NOS OF BORE WELLS
(PIEZOMETERS)**

S N.	Description/Items	Unit	Rate per unit (without GST) Rs.	Quantity	Cost (Unit X Cost per unit) (without GST) Rs.
1.	Transportation charges of all machineries, equipment and material to the 10 different sites within 10 km area of UPRVUNL Harduaganj Thermal Power Station at Harduaganj	Site		10 sites	
2.	Drilling/Boring of 6" diameter borehole upto approximately 100 feet at each site for 10 sites. (Drilling depth at each site may vary depending on the water level condition)	feet		Approx. 1000 ft	
3.	Supply & installation of 4" dia. PVC plain casing pipe with strength of 6 Kg/cm ² including screen. The casing pipe length may be approximately 80 feet at each site for 10 sites. (Pipe length may vary depending on the actual drilling length at each site)	Job		Approxi mately 800 ft	
4.	Supply & installation of 4" dia. PVC of ribbed screen pipe (slot size 1.5 mm) of about 20 ft length with a strength of 6 Kg/cm ² at the bottom, for each casing for 10 nos of casings	feet		200 ft	
5.	Supply of bail plug of PVC pipe of dia 4" at the bottom of each observation bore well (piezometer) for 10 nos of piezometers	No.		10 Nos	
6.	Supply and packing of medium size gravel (5 to 10 mm dia. free from dust) around the PVC Pipe 4" dia. as per design/specifications	Quintal		Approx. 10 quintals	
7.	Supply & fixing of well cap on each piezometer of 4" dia with locking arrangement	No.		10	
8.	Development of boreholes (cleaning with pumping)	Job		10	
9.	Miscellaneous charges, if any (for clamps, <i>Jali</i> , water arrangement etc & any other items not included above)	Materia l/ Job		Lump Sump Charge	
10	TOTAL COST (Sum of costs of items at SN 1 to 9)				
11	GST				
12	GRAND TOTAL (Total Cost + GST) (Sum of SN 10 and 11)				

(Note: Where ISI certification marked goods are available in market, procurement should generally be limited to goods with those or equivalent marking only)

Table 1 List of firms and their contact details

S. No	Firm and Address	Contact No.	E-mail
1	M/s Greentech Instruments T-98, 2nd floor, Tehkhand village near prime tower Okhla Phase-1, New Delhi 110020	8368007576	greentech.kumar@gmail.com
2	M/s Hydro Flow Tech Engineers 302, B-Square, College Road, Nashik 422005, Maharashtra.	9822083050	Sales.hydroflowtech@gmail.com
3	M/s Dak Infosoft Private Limited OF-05, GF, Tower-B-4 Spaze I Tech Park, Sector-49, Gurgaon-122001, Haryana	9266639002	sales@dakininfosoft.com
4	M/s Screw and Nuts D4, Naaz Residency, New S S Nagar Aligarh, 202001, UP	8266998466	screwsandnut@gmail.com
5	M/s Velvet Crown Plot 41, Dhorra Bypass Road, Aligarh, 202001, UP	7417167927	velvetcrown.in@gmail.com
6	M/s Engineering and Environmental solutions 4/1309, New Sir Syed Nagar, Aligarh, 202001, UP	9540990415	enggenvsolution@gmail.com faizankhan1716@gmail.com
7	M/s Next Sense Technologies Pvt Ltd Street 4, Iqra Colony, Dhorra Mafi, Aligarh, 202001, UP	7417886270	Hamzakhowaja70@gmail.com
8	M/s Clean Environmental Instruments & Services Plot No 54, Block A, Sai complex, Gali No 6, Wazirpur Road, Sector 87, Industrial Area, Greater Faridabad 121003	9953528612	environment.ravisharma@gmail.com
9	Geoscience Consultancy Services, H. No. 52, Lane No.5, Krishna Nagar, Roorkee-247667, Uttarakhnad (India)	8077387859	info.gcs2016@gmail.com
10	Sardar Tubewell Store 11-Civil Lines Roorkee, distt-haridwar-247663, Uttarakhnad-India	9837064092	sardartubewellstore@yahoo.co.in