

TENDER NOTICE No. 5(III)/2016-Pur-16, Dated: 23.12.2016

**TENDER DOCUMENT
FOR
SUPPLY AND INSTALLATION
OF
A SET OF THREE SOIL MOISTURE SENSOR WITH DATA LOGGER
AT
NATIONAL INSTITUTE OF HYDROLOGY**

**NATIONAL INSTITUTE OF HYDROLOGY
(A Govt. of India Society under Ministry of Water Resources, River
Development & Ganga Rejuvenation)
JALVIGYAN BHAWAN,
ROORKEE – 247 667 (UTTARAKHAND) INDIA
Tel: 91-1332-272108, 272106, Fax: 91-1332-272123. 273976
E-mail: sao@nih.ernet.in; Website: www.nihroorkee.gov.in**

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Dated: 23.12.2016

Schedule of Tender

TENDER DOCUMENT
FOR
SUPPLY AND INSTALLATION
OF
A SET OF THREE SOIL MOISTURE SENSOR WITH DATA LOGGER
AT
NATIONAL INSTITUTE OF HYDROLOGY

PRICE OF TENDER DOCUMENT: Rs. 568/-

Last date & time for sale of Tenders	:	16.01.2017 up to 10.00 A.M.
Last date of Submission of Tender	:	16.01.2017 up to 03.00 P.M.
Date of opening of Tenders	:	16.01.2017 at 04.00 P.M.
Date of Sale of Tenders	:	From 26.12.2016 to 16.01.2017 up to 10.00 A.M.

SENIOR ADMN. OFFICER

NATIONAL INSTITUTE OF HYDROLOGY
(A Govt. of India Society under Ministry of Water Resources
River Development & Ganga Rejuvenation)
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TENDER NOTICE No. 5(III)/2016-Pur-16

Dated: 23.12.2016

TENDER NOTICE

National Institute of Hydrology, Roorkee invites sealed tenders in two bid form (Technical & Financial) separately from reputed manufacturer/authorized dealers in India for the supply and Installation of **A SET OF THREE SOIL MOISTURE SENSOR WITH DATA LOGGER AT NATIONAL INSTITUTE OF HYDROLOGY** as per technical specifications specified in tender documents.

The details of tender notice, eligibility of bidder, instructions to bidders, scope of work, bidding procedure and terms and conditions are available in the bidding document. Bidding document may be downloaded from NIH website www.nihroorkee.gov.in. The Last date of Submission of Tender is 16.01.2017 up to 03.00 P.M.

SENIOR ADMN. OFFICER

NATIONAL INSTITUTE OF HYDROLOGY
(A Govt. of India Society under Ministry of Water Resources
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TENDER NOTICE No. 5(III)/2016-Pur-16

Dated: 23.12.2016

TENDER NOTICE

TENDER NOTICE FOR SUPPLY AND INSTALLATION OF A SET OF THREE SOIL MOISTURE SENSOR WITH DATA LOGGER AT NATIONAL INSTITUTE OF HYDROLOGY, ROORKEE.

National Institute of Hydrology, Roorkee invites sealed tenders in two bid form (Technical & Financial) separately from reputed manufacturer/authorized dealers in India for the **SUPPLY AND INSTALLATION OF A SET OF THREE SOIL MOISTURE SENSOR WITH DATA LOGGER AT NATIONAL INSTITUTE OF HYDROLOGY, ROORKEE** as per technical specifications specified in tender documents.

A complete set of tender documents may be purchased by interested eligible bidders from 26.12.2016 to 16.01.2017 up to 10.00 A.M. on submission of a written application with a non-refundable Bank-draft of Rs. 568/- (Rupees Five hundred sixty eight) only towards cost of Tender Document in favour of "National Institute of Hydrology" payable at Roorkee. The same can also be downloaded from Institute's website: www.nihroorkee.gov.in. In this case bid shall be accompanied along with a demand draft Rs. 568.00 as cost of tender document.

Tenders (technical & financial) must be submitted in two separate envelopes on or before 3.00 P.M on 16.01.2017 at "National Institute of Hydrology, Jalvigyan Bhawan, Roorkee – 247 667 (Uttarakhand). Techno-commercial bids will be opened on the same day i.e. 16.01.2017 at 4.00 P.M in the presence of bidders or their authorized representatives, who would like to be present? The date of opening of financial bid will be communicated latter on to the successful bidders whose techno commercial bid is found suitable by the Institute.

All the tenders must be accompanied by bid security in accordance with the instructions given in bidding document.

National Institute of Hydrology reserves the right to reject any or all the bids without assigning any reason whatsoever.

In the event of date being declared as holiday, the date for submission and opening of bids shall be the following working day of the appointed date and time.

SENIOR ADMN. OFFICER

1.0 GENERAL TERMS AND CONDITIONS

- 1.1 (i)** The Tender Document along with detailed specifications of the equipments can be obtained in person from the office of the Senior Admn. Officer, National Institute of Hydrology, Roorkee on submission of prescribed tender fee in the form of demand draft drawn in favour of National Institute of Hydrology, Payable at Roorkee.
- (ii)** The bid document may also be downloaded from Institute's website www.nihroorkee.gov.in. Bidders using downloaded tender forms from Institute's website must submit cost of tender document by demand draft drawn in favour of National Institute of Hydrology, Payable at Roorkee along with technical bid. The bid form downloaded through Institute's website submitted without tender fees will not be accepted.
- (iii)** The Bid must be submitted in English. In the case of foreign manufacturers, the bids should be submitted by the authorized agents / representatives, they must enclose authorization letter issued by their manufacturer. In case of the equipments / instruments of Indian origin the bids shall be accepted from manufacturer or its authorized representative/agent.
- 1.2** The tender document is not transferable by the purchaser. The bid form in the tender document at **Annexure-II** will be used for technical bid. Bids made on photocopy etc. will not be considered. However, the additional sheets containing the same Pro-forma may be used for each item. Each sheet must be signed by the bidder. The price bid must be in the form provided herewith at **Annexure-III**. It should be sealed in separate envelope.
- 1.3** The tender will not be accepted from the firm to whom the document has not been issued by the Institute or bid form downloaded from the Institute's website www.nihroorkee.gov.in without tender fee.
- 1.4** The Institute reserves the right to accept or reject any of all the tenders in part or full without assigning any reason thereof.
- 1.5** The bidder is expected to examine all instructions, forms, terms and conditions and specifications mentioned in the bid document carefully. Failure to furnish all information required by the bid documents or submission of a bid not substantially responsive to the bid document in every respect will be at the bidder's risk and may result in the rejection of its bid.
- 1.6** The NIH at its discretion may extend the last date of submission of tender and opening of tenders. The final authority for acceptance of a tender will rest with the Senior Admn. Officer, National Institute of Hydrology, Roorkee who does not bind himself to accept the lowest tender and may accept or reject any or all of the bids received without assigning any reason.
- 1.7** Documents, literature, diagrams / leaflets, original catalogue of equipment and samples etc., enclosed with the bids shall become the property of the Institute without any cost.
- 1.8** The tender would be regarded as turned down, if no award of contract has been obtained till the expiry of the tender validity. No separate communication will be made in this regard.
- 1.9** In case of the date of submission and the date of opening of tender is declared as Public Holiday, the tender shall be submitted and opened on the next working day at the same

time.

- 1.10** The bid shall contain no interlineations, erasures or overwriting words except as necessary to correct errors made by the bidder, in such case, correction shall be initialed by the person or persons signing the bid.
- 1.11** Late and delayed tenders will not be considered and shall be returned unopened to the Bidder.
- 1.12** It is advised that the outside suppliers should send the tender through Registered Post. However, the local supplier may drop their tenders in tender Box kept in, Admn. Section, NIH, Roorkee for this purpose. In no case, tender should be handed over to any employee of the Institute.
- 1.13** The Bidder can submit the bid for any or all kinds of instrument at Sl. No. 1,2,3 and 4 given in Annexure-V.
- 1.14** Canvassing in any form will disqualify the bid.
- 1.15** Request for the tender document for bidding through Telex, Telegram, Telephone, Money Order and Tele-fax shall not be entertained.
- 1.16** **All the Tenders should be addressed to:**
Senior Admn. Officer,
National Institute of Hydrology,
Jalvgyan Bhawan,
ROORKEE – 247 667 (Uttarakhand)

2.0 SUBMISSION OF BID

- 2.1** The bid prepared by the bidder and all correspondence and documents relating to the bid shall be written in English language. The check list for submission of bid is available at **Annexure – V.**
- 2.2** The Bidders are requested to quote the rates item-wise for each equipment on FOR,NIH, Roorkee destination basis including total price of each instrument separately indicating the Govt. levies, and other expenditure item-wise. The freight charges and insurance will be borne by the buyer in the case of imported items. **For Indigenous Items supplied by Indian firms, the rate should be FOR NIH, ROORKEE,** Excise Duty excluded price should be quoted as necessary exemption certificate as applicable will be supplied by the Institute. Taxes and other levies, insurance, freight etc., if any, should be indicated separately also. No C/D form will be issued by the Institute for CST/VAT.
- 2.3 IMPORTANT: Bidder is expected to examine the bidding documents carefully and is deemed to have received and read all relevant documents. It shall be the responsibility of the bidder to request for copy of any missing document. Failure to do so will be at bidders risk. Technical brochure/specification sheet/pamphlet of the Instrument to be supplied are required to be submitted along with the Technical Bid.**

The Supplier should attach a copy of financial bid / Pro-forma Invoice of the Instrument quoted (without cost / price figures) along with the technical bid to assess the Item / components quoted in the bid. The manufacturer will give the undertaking (Annexure IV) that he or his authorized dealer will service /repair the equipment during guaranty / warranty / maintenance contract.

2.4 It may be noted that mere quoting lowest rates will not entitle any firm to get the order. For qualifying technical bid the quality of the item being offered, the past performance, supply etc. will also be taken into consideration. The NIH may call for any details, explanation, regarding technical & financial aspect.

2.5 Bidder can quote the rates for all the equipments tendered or some of the instruments or one instrument. Separate price bid and technical bid should be submitted in separate envelopes for each item clearly mentioning the item code number, item name on the top of the envelopes with senders name and address. EMD should be submitted for each item. Item-wise technical specification and price should be in separate sheets i.e. there should be separate envelope for each item containing technical, price bid and item-wise EMD, in case, bidders desire to quote more than one item.

2.6 The tender is to be submitted "**Single Stage- Two Envelope System**" i.e. the first sealed envelope will contain full information required to judge pre-qualification signed tender document, tender fee, earnest money, complete details and specification of the instruments offered in **Annexure –II (without quoting price)** including the brochure/ leaflets and original catalogues, list of credentials with documentary evidence i.e., purchase/ work order etc., PAN-Number VAT/Sales Tax Registration No., Affidavit for not being black listed. It shall be marked as technical Bid No. **5(III)/2016-Pur-16, dated 23.12.2016** due on 16.01.2017 for **SUPPLY OF A SET OF THREE SOIL MOISTURE SENSOR WITH DATA LOGGER**. The second envelope will contain only price quoted by the bidder in the form given at **Annexure – III** of this document and shall be clearly marked "**Price Bid No. 5(III)/2016-Pur-16, Dated 23.12.2016** for supply of **A SET OF THREE SOIL MOISTURE SENSOR WITH DATA LOGGER**. Both the above envelopes must be separately sealed and shall be kept in one envelope bearing the address of SENIOR ADMN. OFFICER, NATIONAL INSTITUTE OF HYDROLOGY, JALVIGYAN BHAWAN, ROORKEE – 247 667 (UTTARAKHAND) and prescribed with bold letter **TENDER FOR SUPPLY OF A SET OF THREE SOIL MOISTURE SENSOR WITH DATA LOGGER NOT TO OPEN BEFORE 16.01.2017 AT 4.00 P.M.** The senders address should be mentioned in all envelopes. Instrument / equipment Code Number should be mentioned invariably on all envelopes.

2.7 Technical part of the tender will be opened on due date i.e. at 4.00 p.m. ON 16.01.2017 in the office of the Chairman, Tender Opening Committee, in presence of the representative of the tenderer, who would like to be present. Sealed Price part of technically and commercially acceptable tenders will be opened on a later day subsequently as decided by the NIH. The date of opening of financial bid will be communicated by the NIH to the successful bidders whose techno-commercial bid is found substantially responsive.

3.0 EARNEST MONEY/ SECURITY DEPOSIT:

3.1 The Earnest Money (2% of the estimated value) as indicated in Bid document at **Annexure -V** must be submitted by the Bidder along with the Tender in the form of Demand Draft only drawn in favour of National Institute of Hydrology, payable at Roorkee. It should be in Indian Rupees. The Indian agent / representative should furnish an authorization letter from their foreign Principal supplier authorizing to deposit the EMD on their behalf.

3.2 The Earnest Money shall be forfeited if a bidder withdraws or amends the tender in any respect within the period of validity of his tender or fails to submit security deposit or agreement within the specified period as mentioned in the tender document. Tender shall not be entertained where a bidder has not furnished adequate earnest money in the prescribed and acceptable form. In case, the instrument supplied is found defective and not

attended by the supplier /authorized agent, the Security Money deposited by the supplier /their authorized Indian agent will also be forfeited.

- 3.3 Return of earnest money:** Unsuccessful bidder's earnest money will be discharged/ returned without any interest after the concerned purchase is finalized and that of successful bidders will be adjusted (without interest) in security deposit.
- 3.4 The validity of tender would be for a minimum period of 180 days from the date of opening of tenders.** A Bid valid for a shorter period may be rejected by the NIH as non- responsive. In case the validity is to be extended; the NIH may solicit the Bidder's consent to an extension on the period of validity and the bid shall remain valid for the extended, period mutually agreed for.
- 3.5** The prices should be quoted both in words and figures.
- 3.6** Arithmetical error will be rectified on the following basis:- If there is discrepancy between the unit price and total price that is obtained by the multiplying the Unit Price and quantity, the unit price shall prevail and the total price shall be corrected. If there is discrepancy between words and figures, the amount in words will prevail.
- 3.7** Tenders not in proper sealed cover or received through telegraphically or E-mail fax/telex will not be entertained.
- 3.8** Conditional Tenders will be rejected without assigning any reason.
- 3.9** The Bid shall be typed or written in indelible ink and shall be signed by the Bidder or a person duly authorized for this purpose. The letter of authorization should bear the signatures of only the authorized person of the firm. All pages of the Bid, except for un-amended printed literature shall be initialed by the person or persons signing the bid.
- 3.10 Clarification of Techno- commercial bids:** To assist the techno -commercial examination, evaluation and comparison of bids the NIH may, at its discretion, ask the bidder for a clarification of its Techno-commercial bid. However, all responses to request for clarification shall be writing, and, no change in the price bids be sought, offered or permitted.
- 3.11** Eventual suggestions for modification or subsidiary Tenders are principally not admissible.
- 3.12** The specifications are clearly mentioned in the document and the Bidder is requested to submit Bid only if their offer strictly comply to these specifications. The bidding for the instruments having different specification will be on Bidder's risk as the NIH will not entertain such bids. Bids carrying the statement like "specification as per tender document" shall not be entertained. The product specifications supported by technical literature and list of users must be enclosed with Annexure II.
- 3.13** The placement of work order/purchase order will be according to technical evaluation of the tender and after consideration of its price worthiness.
- 3.14** The price to be given in the tender are fixed prices, irrespective of rise in Materials prices etc., till the delivery of the overall consignment. No request regarding increase in the price of instruments etc., will be entertained after the submission of the tender.
- 3.15** The nomenclature of the instruments and spares will be invariably same in Pro-forma

Invoice, Invoice, Packing list and all other relevant papers in case the Bidder is awarded with the purchase order for supply against its offer.

- 3.16** With the submission of his tender the bidder accepts the conditions of the tender.
- 3.17** If the instrument supplied is not in conformity with the specification other than asked for, it will have to be replaced at the risk and cost of the supplier. No freight and other charges for export and re-shipment will be paid by the NIH.
- 3.18** The authorized Indian agent/representative should have minimum two years continuous agency/ partnership/ joint venture/ participation or collaboration with their principal foreign supplier. The documentary proof of such agency ship/ authorization/ MOU should be submitted along with the technical part. If the bid of the firm does not contain the proof of such nomination/authorization, Indian agent will be rejected.
- 3.19** The installation of the instruments is the entire responsibility of the supplier. For Indian supplier the installation should be completed within 60 days from the date of issue of purchase order. The supplier or their authorized agent should be in touch with the Purchaser to know the exact day of receipt of stores supplied/ dispatched by them.
- 3.20** The list of instruments/equipments, their approximate quantity and point of delivery is given at Annexure-V, and the detailed specification of the instrument are given in the tender document.
- 3.21** Each and every folio of the tender must be signed by the bidder.
- 3.22** The Bid shall be considered only for those instruments for which the rates have been specifically quoted. The NIH further reserves the right to accept the tender for all the instruments or some of the instruments for which the tenderer has quoted the bid. The bidder should attach a separate list for the consumable/spares required for smooth operation of the instrument at least for three years (as optional items) and two copies of trouble shooting manuals, electric circuits etc. along with the bid. Combined EMD and consolidated bids will be rejected. EMD and tender should be submitted separately for each equipment.
- 3.23** Bidder has to provide training on operation and maintenance to NIH Officials of laboratory without any additional charges. However, training for sophisticated instrument will be provided by the bidder as specified in respective technical specifications of the instrument.
- 3.24** A period of 60 days will be allowed for delivery of equipment from the date issue of purchase order in the case of Indian manufacturers/suppliers. In case of delay in delivery the liquidated damages will be levied as per Para 8.0 from successful bidder.
- 3.25** After sales service is most important to be considered for comparison of the bids. Bid of those firms who do not have Indian / Local Agents to provide after sales and service during warranty period will not be considered. After sales service must be provided at the place of installation by the manufacturer or authorized service provider. The instrument will not be sent to the service provider for the repair.
- 3.26** The Amendment made by the competent authority in the tender document if any will be binding on the bidders.
- 3.27** The Packing, Forwarding, charges must be quoted according to the place of delivery at

NIH, Roorkee. The supplier will be held liable for any damage, theft or loss during transit.

4.0 PAYMENT CONDITIONS :

4.1 100% payment will be released on satisfactory supply, installation, training and commissioning of the instrument and on furnishing Bank Guarantee/Bank Draft for 10% of the purchase order value as performance security. The supplier shall provide the documents with each instrument as mentioned at Annexure- VI.

4.2 The Performance Security shall be furnished by the principal supplier or their authorized Indian agent from any Nationalized Bank as Bank Guarantee. Performance security shall be valid up-to expiry of the warranty period or minimum of one year from the date of installation.

4.3 The defective, substandard and contrary to the specification of instruments, if supplied have to be replaced by the supplier at their cost and responsibility. In case of indigenous instrument/ equipment quoted by Indian firms/ representatives/ Indian agents of foreign supplier / manufacturers in rupee terms the payment will be made in Indian rupees directly after supply and satisfactory installation / commissioning.

5.0 SETTLEMENT OF DISPUTE, ARBITRATION

5.1 All disputes or difference arising out of or in connection with the contract and supply of any item/equipment assigned under the same (whether during the progress of the works or after their completion, determination, abandonment or breach of the contract) shall be settled by the Director, National Institute of Hydrology, Roorkee in accordance with the Arbitration and Conciliation Act, 1996. The arbitrators appointed by the Director, NIH, Roorkee. The Director, NIH, Roorkee shall appoint a sole arbitrator. The decision of the sole arbitrator shall be final and binding on both the parties. It will not be an objection to any such appointment that the arbitrator is the Government servant and had any interest in the NIH or the contract entered in to directly or indirectly. In all cases, the arbitrator shall state his decision in writing. Arbitration proceedings shall be held at Roorkee and the language of arbitration proceeding and that all documents and communications between the parties shall be in English.

5.2 It is a term of the contract that the party invoking the dispute shall specify the dispute or disputes to be referred to the arbitrator under this clause together with the amount or amount claimed in respect of each such dispute.

5.3 It is also a term of the contract that if the supplier (s) do not make any demand in respect of any claim (s) or dispute in writing within 90 days of submission of the final bill for payment, the claim of the supplier will be deemed to have been waived and absolutely barred and the NIH will be discharged and released of all liabilities under the contract in respect of these claims.

6.0 FORCE MAJEURE:

6.1 Vendor shall not be considered in default if delay in delivery occurs due to causes beyond his control such as acts of God, natural calamities, civil, wars, strikes, fire frost, floods, riots and acts of usurped power. Only those causes which have a duration of more than seven calendar days shall be considered cause of force majeure. A notification to this effect duly certified by the Local Chamber of Commerce/Statutory Authorities shall be given by the

Vendor to the buyer by registered letter. In the event of delay due to such cases a length of time equal to the period of force majeure or at the option of the buyer may be extended, the order may be cancelled. Such cancellation would be without any liability whatsoever on the part of buyer. In the event of such cancellation the vendor shall refund any amount advanced by the Purchaser and deliver back any material issued to him by the Purchaser and release facilities, if any, provided by the Purchaser.

7.0 EFFECTIVENESS:

7.1 This Contract shall come into force and effect on the date of the Letter of Award and shall be in force until the expiry of the warranty period and all the payments have been made to the Supplier.

8.0 FORFEITURE OF EARNEST MONDY:

8.1 The earnest money will be forfeited in the following cases:

- (i) When bidder withdraws or modifies the offer after opening of tender but before acceptance of tender.
- (ii) When bidder does not execute the agreement if any, prescribed within the specified time.
- (iii) When the bidder does not deposit the security money .

9.0 PERFORMANCE SECURITY DEPOSIT:

1. Successful bidder will have to deposit performance security equal to 10% of the value of the contract price.
2. Within thirty (30) days of notification of award from the NIH, the successful Bidder shall furnish the Performance Security in the form of bank guarantee issued by a reputable bank having license to do business in India or as bank draft payable to National Institute of Hydrology, Roorkee for an amount of equivalent to 5% of the Contract Price, for the guarantee/warranty period.
3. Remaining 5 % shall be deducted from the bill after adjustment of earnest money (2 % of estimated value) submitted during bid submission.
4. No interest will be paid by the State Board on the performance security money.
5. The performance security money shall be refunded after the expiry of the period of guarantee / warranty and after satisfied there are no dues outstanding against the bidder
6. In case of non submission of performance security of 10%, the same will be deducted from the bill after adjustment of earnest money. The decision in this regards shall be obtained from Board on request of the bidder.

10.0 FORFEITURE OF PERFORMANCE SECURITY DEPOSIT:

Performance Security amount in full or part may be forfeited in the following cases:-

- (a) When any terms and conditions of the contract is breached.
 - (b) When the bidder fails to make complete supply satisfactorily
 - (c) Notice of reasonable time will be given in case of forfeiture of security deposit.
- The decision of the Director, NIH, Roorkee in this regard shall be final.**

11.0 INSURANCE: The goods will be delivered at the destination in perfect condition. The supplier, if he so desires, may insure the valuable goods against loss of theft, destruction or damage, by fire, flood, under exposure to whether or otherwise viz. (war rebellion, riot, etc.). The insurance charges will be borne by the supplier and NIH will not reimburse such

charges.

12.0 LIQUIDATED DAMAGES:

12.1 The time specified for delivery in the tender form shall be deemed to be the part of the contract and the successful bidder shall arrange supplies within the period from the date of supply order issued by National Institute of Hydrology, Roorkee.

12.2 In case of extension in the delivery period with liquidated damages the recovery shall be made on the basis of following percentages of value of Stores which the bidder has failed to supply:-

- (a) Delay up to one month of the prescribed delivery period 2.5%
- (b) Delay exceeding two month of the prescribed period. 5%
- (c) The maximum amount of liquidated damages shall be 5%
- (d) If the supplier requires an extension of time in completion of contractual supply on account of occurrence of any hindrance he shall apply in writing to the authority, which has placed the supply order, for the same immediately on occurrence of the hindrance but not after the stipulated date of completion of supply of goods.

SENIOR ADMN OFFICER

Annexure-I

**NATIONAL INSTITUTE OF HYDROLOGY
(A Govt. of India Society under Ministry of Water Resources
River Development & Ganga Rejuvenation)
JALVIGYAN BHAWAN,
ROORKEE – 247 667 (UTTARAKHAND) INDIA
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TENDER NOTICE No. 5(III)/2016-Pur-16

Dated: 23.12.2016

APPLICATION FORM (To be filled by the bidder)

1. Name and full address of the: _____
Bidder including Telegraphic _____
Address/Telex No. and Fax No. _____

 2. Name and designation of the _____
Head of the Firm/supplier _____
and his Telephone No. _____

 3. i) In case the supplier is located out of Uttarakhand; specify the authorized Distributor's or Agent's
Address in Dehradun, if any.

ii) Name, Designation, Address _____
Telephone & Fax Numbers of the _____
Authorized Person who may be _____
Contacted during the process of the _____
Purchase concerned under this document
(Applicable for all the suppliers)

 4. Instrument item Code Number(s) quoted for _____ :

 5. Whether Earnest Money Deposited: Yes / No If yes (Amount: in Rs.) _____ ,
/Demand Draft No, Date, _____ and Name of Issuing Bank _____

 6. Tender document fees Rs 568.00 details DD / Cash receipt No _____, Date _____ And
Name of Issuing Bank _____

 7. Income Tax Clearance Certificate:
Attached (Latest) with PAN Number _____ Yes or No
.
- All the terms and conditions of the tender documents have been read carefully and are accepted.

Place:

Date :

Legally Binding Signature with stamp

ANNEXURE - II

NATIONAL INSTITUTE OF HYDROLOGY
(A Govt. of India Society under Ministry of Water Resources
River Development & Ganga Rejuvenation)
JALVIGYAN BHAWAN,
ROORKEE – 247 667 (UTTARAKHAND) INDIA
Tel: 91-1332-272108, 272106, Fax: 91-1332-272123. 273976
E-mail: sa@nlh.ernet.in; Website: www.nlhroorkee.gov.in

Bid Form For (Name Of The Instrument)_ _____
BID FORM FOR TECHNICAL BID Please do not write the Price

Details showing quantity, specification and other details of the Instrument offered (Instrument/Equipment Code No. _____)
(to be filled by the bidder and must be kept marked as “Technical Bid” part of the Tender)

Sl. No.	Name of Item	The Specification offered by the Bidder	Difference in Specifications to tender document and that of Bid, if any.	Quantity	Unit Price (excluding rates at Col. No. 7) Indicate the name	Taxes and other expenditures (Sales Tax/VAT/CST, freight)	Total Amount (FOR, NIH Roorkee) (in Rs.)
1.	2.	3.	4.	5.	6.	7.	8.
					PLEASE DO NOT WRITE RATES/PRICE HERE		

NOTE:- If this sheet is not sufficient to accommodate the bid, the additional sheets may be used containing the same Proforma but all such sheets including this one must be signed on each sheet by the Bidder along with the seal. Separate Bid form should be attached for each equipment, quoted for.

Signature with date & stamp of the bidder

NATIONAL INSTITUTE OF HYDROLOGY
(A Govt. of India Society under Ministry of Water Resources
River Development & Ganga Rejuvenation)
JALVIGYAN BHAWAN,
ROORKEE – 247 667 (UTTARAKHAND) INDIA
Tel: 91-1332-272108, 272106, Fax: 91-1332-272123. 273976
E-mail: sao@nlh.ernet.in; Website: www.nlhroorkee.gov.in

Bid Form For (Name Of The Instrument)_ _____

BID FORM FOR FINANCIAL BID

Details showing quantity, specification and other details of the Instrument offered (Instrument/Equipment Code No. _____)
(to be filled by the bidder and must be kept marked as “FINANCIAL BID” part of the Tender)

Sl. No.	Name of Item	The Specification offered by the Bidder	Difference in Specifications to tender document and that of Bid, if any.	Quantity	Unit Price (excluding rates at Col. No. 7) Indicate the name	Taxes and other expenditures (Sales Tax/VAT/CST, freight)	Total Amount (FOR, NIH Roorkee) (in Rs.)
1.	2.	3.	4.	5.	6.	7.	8.

NOTE:- If this sheet is not sufficient to accommodate the bid, the additional sheets may be used containing the same Proforma but all such sheets including this one must be signed on each sheet by the Bidder along with the seal. Separate Bid form should be attached for each equipment, quoted for.

Signature with date & stamp of the bidder

UNDERTAKING

To be given by Principal Manufacturer

TENDER NOTICE No. 5(III)/2016-Pur-16, Dated: 23.12.2016

**TO
THE SENIOR ADMN. OFFICER,
NATIONAL INSTITUTE OF HYDROLOGY,
JALVIGYAN BHAWAN,
ROORKEE – 247 667 (UTTARAKHAND)**

Sir,

We have examined the conditions of tender document and specifications of the instruments/ equipments, the receipt of which is hereby acknowledged. We, the undersigned, offer to supply, deliver and install the (Name of equipment / instrument):

(Please add additional pages, if required)The above supply, installation shall be in conformity with the specifications and conditions of tender.

We undertake, if our bid is accepted to deliver the instruments quoted by us, we shall deliver and install within the period indicated in the tender document.

We agree to abide by this bid for a period of 180 days from the date fixed for Bid opening and it shall remain binding upon us and may be accepted at any time before expiration of that period.

We are submitting a demand draft (Payable, payable at Roorkee) for Rs..... in favour of " National Institute of Hydrology", Roorkee towards the Earnest Money.

This bid, together with your written acceptance thereof in your notification of award shall constitute a bidding contract between us.

We understood that you are not bound to accept the lowest or any bid you may receive.

We or our authorized dealer shall provide the spares/service of equipment under warranty / guarantee and also during AMC after expiry of warranty / guarantee. If authorized dealer is not available or authorized dealer is changed, we (manufacturer) will be responsible for service / repair of the equipment supplied by us.

Dated this.....day of.....2016

**Signature of authorized Person,
Name with Stamp & full Address.**

ANNEXURE-V**Schedule of Earnest Money**

Sl. No.	Description of Instrument	Instrument/ Equipment Code No.	Quantity	Estimated cost (Rs.)	Earnest Money amount (in Rs.) 2% of the Estimated cost
1.	A SET OF THREE SOIL MOISTURE SENSOR WITH DATA LOGGER	01	06	4,50,000/-	9,000.00

Annexure –VI

Equipment to be supplied by Indian Manufacturer:

Upon delivery of the Equipment to the transporters, the Supplier shall notify the NIH and mail the following documents to the NIH.

- 1) Four copies of the Supplier's invoice showing the Equipment's description, quantity, unit price and total amount**
- 2) Supplier's and/or Manufacturer's warranty certificate**
- 3) Factory test & inspection certificate by manufacturer.**
- 4) Insurance certificate**

CHECK LIST FOR THE BIDDER

- 1. Bid on original Tender form only.**
- 2. Separate EMD against each instrument / equipments.**
- 3. Earnest money or necessary documentary proof for exemption of earnest money with the part 1 of the bid. The technical specification should be in Annexure II without quoting rate in the column no. six to eight.**
- 4. Price bid must be Part II of the bid in the form provided at Annexure-III of the tender document. It should be in a separate envelope.**
- 5. The Basic Price, Taxes, Packing, Forwarding, Handling, Transportation Insurance, Installation charges, Training etc. must be quoted clearly. Do not use vague terms like "As Actual, Approximately etc".**
- 6. Do not use the terms As per Specification of Tender Documents' in respect of instruments. There should be proper write up of product quoted for supported with printed leaflets literature.**
- 7. In case the bidder desires to quote more than one item, separate envelope should be submitted (technical bid in Annexure II & price bid in Annexure III) for individual item super scribing item code number and name.**
- 8. With technical bid, the bidder should provide a copy of the price bid format (giving details of the items, accessories, spares etc.) without specifying the price other than one mentioned in Annexure-III of this tender document.**
- 9. The delivery of equipments/ accessories/ spares will be taken at FOR, NIH Roorkee.**
- 10. The supplier has to provide Bank Draft as performance security deposit after receiving the supply order.**
- 11. The documents required for release of payment are mentioned at Annexure- VI**

PART – B

SPECIFICATIONS

OF

A SET OF THREE SOIL MOISTURE SENSOR WITH DATA LOGGER

TECHNICAL SPECIFICATION OF SOIL MOISTURE SENSORS AND DATA LOGGER

Soil moisture profiler with three soil moisture sensors each - 6 Nos.

Data loggers of each site: 6 Nos.

To be installed at six different locations in the Himalayan environment for round the year data collection.

TECHNICAL SPECIFICATION

Soil Moisture Sensors

Type of Soil moisture sensor: Granular Matrix Sensor (GMS) or equivalent

- Automatically reads soil water tension in centibars (cb) or kilopascals (kPa).
- Range of measurement should from 0 to 200 cb (kPa) or better
- Logging Intervals: Programmable from 1 min to 24hrs
- Accuracy - $\pm 3\%$ or better
- Sensors should be fully solid-state, maintenance free and robust enough to sustain for a longer period while get direct buried in the ground.
- Sensors should be capable to compensate the commonly found salinity levels and not to be effected by cold weather conditions
- Connecting cable length should be at least 2.5m
- The sensors should be provided with complete accessories including mounting fixtures.
- The integration of the sensors with the data logger will be ensured by the supplier.
- The firm should have service center in India and should give written commitment to ensure smooth functioning of the equipment and prompt services as and when necessary.
- Firm should specify the make and cost of the sensors and components listed above

Data Logger

- Data logger with all required accessories for power supply and installation in the field etc. for year round continuous monitoring.
- Data logger should read Soil Moisture Sensors (at different depths) with five additional channels for later expansion.
- Necessary software for data management and downloading preferably in windows platform
- Data storage: To store 1 year data at @ 1 hrs logging interval.
- Data Retrieval: through detachable data shuttle and also by computer directly.
- Soil moisture sensors at different depths should record data independently
- In-Field status display of current reading
- Enclosure should be weatherproof, preferably of ABS plastic.