

NATIONAL INSTITUTE OF TECHNOLOGY SILCHAR-788010

No: NITS/PS-431/CE/Hydraulic Lab/Steel Fabricated Fixed Bed Flume/16

Date : 07/04/2017



NOTICE INVITING TENDER

FOR SUPPLY AND INSTALLATION OF STEEL FABRICATED FIXED BED FLUME & OTHER MISC
WORK IN HYDRAULIC LABORATORY AT NIT SILCHAR

LAST DATE & TIME OF SUBMISSION : 09/05/2017 up-to 01.00PM

DATE & TIME OF OPENING : 09/05/2017 at 03.30PM



**NATIONAL INSTITUTE OF TECHNOLOGY
SILCHAR - 788 010**

Tel.No. Director: (03842) 224879

Fax: (03842) 224797

NOTICE INVITING TENDER

Sealed Tender/Quotations (two bid) are invited from reputed Suppliers / Manufacturer **FOR SUPPLY AND INSTALLATION OF STEEL FABRICATED FIXED BED FLUME & OTHER MISC WORK IN HYDRAULIC LABORATORY AT NIT SILCHAR** along with Earnest Money Deposit (EMD) of Rs. 1,45,000/- in the form of Demand Draft in favour of "The Director, NIT, Silchar". Payable at NIT silchar. No Interest shall be paid on EMD.

Detail specification of the item/items is given in (Annexure-A).

Tender documents can be obtained from Purchase Section, NIT Silchar or may be downloaded from our website www.nits.ac.in or <http://tenders.gov.in> .The cost of tender document is Rs. 1,000/- (non-refundable) to be submitted through cash or DD in favour of The Director, NIT, Silchar. Payable at NIT Silchar. The last date for submission of Tender documents will be 09/05/2017 up-to 01.00 PM and tender will be opened on the same date at 03.30 PM in the office of the HOD, CE NIT SILCHAR

The offers without Cost of Tender & Earnest Money Deposit (EMD) shall be outrightly rejected. Director, NIT Silchar reserves the right to extend the date, or cancel the tender, accept or reject any/all quotations or not to purchase all or any of the items.

Quotations are to be sent/submitted in sealed covers addressed to:-

The Purchase Officer
National Institute of Technology, Silchar
788 010 (Assam)

REGISTRAR, NIT SILCHAR



NOTICE INVITING TENDER

Credential Criteria :

- The bidder should have provided similar nature of services to IITs/NITs/Govt. Departments/Semi Govt. Departments/PSU/Educational Institutions of National Importance etc. during last 3(three) years. **Duly certified copies are to be enclosed.**
- Quotations are to be submitted in **TWO PARTS** i.e. **(a) Technical Bid and (b) Price Bid**, in two separate properly sealed covers; and both these covers will have to be again put in to a single sealed cover. Also, the address of the firm submitting the quotation must appear distinctly on both the inner sealed covers, indicating also **TECHNICAL BID / PRICE BID** as may be applicable. The outer most cover shall be super scribed as
 - "QUOTATION FOR SUPPLY & INSTALLATION OFFOR
..... NIT SILCHAR.
 - VIDE TENDER REF NO NITS/PS-....., DATED.....DATE OF
OPENING

[The bid will summarily be rejected & returned to the bidder if the sealed envelope containing the quotation is not super scribed as above].

- **Genuine Pricing** (Both foreign & indigenou) :Vendor is to ensure that quoted price is not more than the price offered to any other customer in India to whom this particular item has been sold recently, particularly to IIT/Institutes and other Government Organization.
- **No Part Delivery:** Part shipment for any items will not be allowed.
- **Any Optional item quoted by the supplier will not be entertained.**
- **Termination for default :** Default is said to have occurred -
- If the supplier fails to deliver any or all of the items/services within the time period(s) specified in the purchase order or any extension thereof granted by NIT Silchar, the Institute may terminate the contract / purchase order in whole or in part and forfeit the EMD/PBG as applicable.

TERMS & CONDITIONS:

1. The bidding agency should be reputed firm and having all necessary certificates, viz. VAT registration certificate, PAN, Registration, Sale Tax clearance Certificate, Authorized Dealership/Distributorship certificate, etc. The photocopies of all the certificates should be attached with the tender.
2. The firm should be an original equipment manufacturer (OEM) in the business of manufacture and supply of equipment for minimum 5 (five) years. The firm should submit audited financial statements for latest three financial years in support of this claim.
3. The items being quoted should be of Original Manufacturer and no non-standard item should be quoted. All detailed specifications with make & model no. of the items accompanied by proper leaflets should be clearly mentioned and attached with the offer. In case of proprietary or patented item, necessary certificates in support of the same should be attached. The bidder must submit the Compliance Statement and Deviation Statement of technical specification.

4. The firm should have average annual turnover (Indian fabricated equipment and imported equipment) of not less than Rs. 0.70 crores in the last 3 financial years. The firm should submit audited financial statements of the latest three financial years.
5. The firm should have satisfactorily manufactured and supplied equipment, as requisitioned in this tender, to IITs/NITs/Govt. Departments/Semi Govt. Departments/PSU/Educational Institutions of National Importance etc. during the last three years ending the last day of March 2016.
6. **The firm should submit 3(three) completed works costing not less than Rs. 25.00 Lacs and the performance certificate of the works completed in the last three years from the client along with their technical bid.**
7. **The rate quoted must be both in words and figures and F.O.R. / Destination National Institute of Technology, Silchar inclusive of packing, forwarding etc. Octroi, surcharge, insurance, Installation and any other charges.** Educational discount, if any should be indicated clearly. Tenderer(s) may note that the Government of India exempts this Institute from paying custom duty/excise duty on selected items. Necessary documents will be furnished if required on demand by the Tenderer(s). **Rate quoted for any other destination shall not be accepted.**
8. Assam Sales Tax must be quoted as extra in the tender, wherever applicable.
9. NIT Silchar will not provide educational concession Central Sales Tax Form 'D', wherever applicable.
10. Payment shall be made only after receipt and installation of the materials/articles in good and working conditions as per specifications and after satisfactory installation and commissioning of the equipment/machinery/accessories by the department.
11. Manufacturer's/Company's name, it's trademark should be mentioned in the Tender and illustrative leaflets giving technical particulars, etc. should be attached in the tender.
12. Tenderer(s) registered with the State/Central Government must quote his registration numbers, if any, and submit a Xerox copy of registration along with the tender.
13. Guarantee/Warranty period offered for the tendered item is to be clearly specified.
14. The rates to be quoted by the agency should be valid for a period of six months after the deadline date specified in the tender.
15. The quantity against each item mentioned in the tender may vary according to the actual requirements at the time of placing Purchase Order.
16. It is not binding for the bidding agency to quote for all the items.
17. **Each bidder should clearly specify that the bidder agrees to abide by the conditions of this tender document on their printed letter head duly sealed & signed by an authorized person.**
18. **Bid Price**
 - a) The contract shall be for the full quantity as described above. Corrections, if, shall be made by crossing out, initialing dating and rewriting.
 - b) **The bidder should quote the total price for each item inclusive of packing and forwarding, all duties, levies, insurance, installation, any other charges, etc. Only taxes & (discount if any) should be mentioned separately.**
 - c) 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.
19. Each bidder shall submit only one quotation.
20. All necessary documents shall be furnished along with the bid.

21. Validity of Tenders/Quotations: Tenders/Quotations shall remain valid for a period not less than 6 months after the deadline date specified for submission of tender.
22. **Packing**
- a) The Supplier shall provide such packing of the Goods as is required to prevent their damage or deterioration during transit to their final destination as indicated in the Contract. The packing shall be sufficient to withstand, without limitation, rough handling during transit and exposure to extreme temperatures, salt and precipitation during transit and open storage. Packing case size and weights shall have to be taken into consideration, where appropriate, the remoteness of the Goods' final destination and the absence of heavy handling facilities at all points in transit.
- b) The packing, marking and documentation within and outside the packages shall comply strictly with such special requirements as shall be provided for in the Contract including additional requirements.
23. **Evaluation of Quotations :**
- NIT Silchar will evaluate and compare the quotations determined to be substantially responsive i.e. which
- a) are properly signed
- b) Conform to the terms and conditions, and specifications.
24. **Award of contract:**
- NIT Silchar will award the contract to the bidder whose quotation has been determined to be substantially responsive and who has offered the lowest evaluated quotation price.
- a) The bidder whose bid is accepted will be notified of the award of contract by the NIT Silchar prior to expiration of the quotation validity period. The terms of the accepted offer shall be incorporated in the purchase order.
- b) Normal commercial warranty/guarantee shall be applicable to the supplied goods.
- c) The goods (both indigenous & imported) should be insured against theft, loss or breakage during transit till destination.
- d) Upon delivery of goods, the supplier shall submit Suppliers Invoice, Insurance certificate, Warranty Certificate, or any other document.
25. **Acknowledgement of the Purchase Order:** The supplier shall give an acknowledgement of the Purchase Order within 15 days of the date of the Purchase Order. In case, the supplier fails to acknowledge the Purchase Order within the stipulated time, the Institute is at liberty to cancel the Purchase Order.
26. No alternations in tender forms shall be made by the bidder and if any such alteration is made, the tender is liable to be rejected.
- a) Delivery Schedule and Penalty for Delay:** Delivery of equipment should be made within 30days from the date of Purchase Order. **Penalty at the rate of 0.5% or part thereof of the order value per week, subject to a maximum of 2.5% will be imposed for delayed delivery and installation.**
27. Demurrages and penalty, if any, paid by the supplier shall not be borne by the Institute.
28. The tenders submitted shall clearly mention the name of the firm/person in whose favour the purchase order is to be placed.
29. Contact details of the person for all post sales/installation maintenance support should clearly be given with **Name & Designation, Phone No, Fax No, Mobile, E-mail and official address.**
30. National Institute of Technology Silchar is not liable for non-receipt of the tender forms in time due to wrong address/ any delivery delay of the mail service provider/ force majeure. Tender documents received after the last date and time for receiving tenders will be summarily rejected.

31. **Successful bidder shall give a performance security in the form of Bank Guarantee.** The performance security shall be furnished after the order for supply is placed and before the final payment. Validity of the Performance Security shall cover the warranty period.
- The proceeds of the Performance Security shall be payable to the purchaser as compensation for any loss resulting from the suppliers failure to complete its obligations under the contract.
32. All legal disputes shall be under the jurisdiction of the Silchar Courts of Cachar District in the state of Assam.



Registrar, NIT Silchar

DECLARATION

I / We hereby declare that no case is pending with the police/ court against the proprietor/ firm/ partner or the company (Agency). Also I /We have not been suspended / blacklisted by any PSU / Government Department / Financial Institution / Court.

(Signature & seal of the contractor)

Place:

Date:

NO DEVIATION CERTIFICATE

Notwithstanding anything mentioned in our bid, we hereby accept all the terms and conditions of this tender and we do not have any deviation to this tender enquiry. We hereby undertake and confirm that we have understood the scope of work properly and shall be carried out as mentioned in this tender enquiry.

(Signature & seal of the contractor)

Place:

Date:

BIDDERS DETAILS

Name of the Contractor /Party/ Firm	:	<input type="text"/>
Name of Authorized Representative	:	<input type="text"/>
Phone Nos.	:	<input type="text"/>
Mobile Nos.	:	<input type="text"/>
Fax No.	:	<input type="text"/>
E-Mail Address	:	<input type="text"/>
Web Site Address (If Any)	:	<input type="text"/>

(Signature & seal of the contractor)

Place:

Date:

TECHNO-COMMERCIAL BID

NAME OF THE WORK : Supply and Installation of at NIT Silchar					
TENDER NO. : NITS/PS-....., Dtd., LOS :					
Sl. No.	Name of item with Specification, Make & Model	QTY.	Rate per Unit in (Rs.)	Taxes in % & (Rs.)	Total Amount in (Rs.)
1					
2					
3					
4					
5					
6					
7					
8					
9					
10					
11					
12					
13					
14					
15					
16					
17					
				Sub Total Amount	
				Discount (if any)	
				Taxes (if any)	
				Other Charges (if any)	
				Grand Total Amount	
(AMOUNT IN WORDS)					

I/ we have gone through all the Special & General Conditions and the contractor's obligations enclosed with this tender document and agree to abide by these.

Note: In case of discrepancy in rates between figure & words the higher will be taken for evaluation of bid and lower value will be taken for award of work.

(Signature & seal of the contractor)

Place:

Date:

CHECK-LIST (TECHNICAL BID)

SUMMARY OF COMPLIANCE TO REQUIREMENT OF TENDER

Sl. No.	Description of Requirement	Yes / No / NA	Page No.
1.	Tender Cost Rs.1,000/- (non-refundable) in the form of Demand Draft in favour of "Director, NIT Silchar" in a separate envelope		
2.	EMD of Rs.1,45,000/- in the form of Demand Draft /Bank Guarantee in favour of "Director, NIT Silchar" in a separate envelope		
3.	Copy of Manufacturer/ Authorized Supplier Certificate		
4.	Audited financial statement for the last 3 years		
5.	Copy of the PAN card.		
6.	Copy of VAT registration certificate		
7.	Copies of previous work order of similar work with completion certificate		
8.	Declaration certificate		
9.	No Deviation certificate		
10.	Bidder's details		
11.	Technical Specification		
12.	NSIC/SSI Certificate where applicable		
13.	All the pages of tender document have been signed		
14.	Sealed envelope of price bid submitted.		
15.	Complete copy of Techno Commercial Bid submit along with the Price Bid.		

(Signature & seal of the contractor)

Place:

Date:

Technical Specification

STEEL FABRICATED FIXED BED FLUME (QTY: 01)

Inside Dimension: 16.0m Long x 0.9m Width x 0.8m Height with necessary pumping, pipe line and existing overhead tank Refurbishment

The Flume would consist of a channel of size as given below in the technical specification. At the inlet, a flow steadying section would be provided so that there would be less disturbance to the test section. Depth measurements could be measured with the help of a hook or pointer gauge mounted on a trolley having longitudinal and transverse movement.

Dimensions:

1.0 m	Upstream Tank (Head Box) Inner dimension - 1.0m (L) x 1.0m (W) x 1.2m (D)
16.0 m	Working section longitudinal (Moveable bed) including Glass portion

Structure:

- A. The total length of the channel is (1.0 + 16.0) m. The working section is 17.0 m long. The inside channel dimensions are 0.9m (W) x 0.8m (D). Working length of the channel, the head tank (1.0m length) would be supported by the welded steel beam assembly, fabricated of standard channel sections.
Bottom portion of entire bed and head tank would be constructed of Stainless Steel sheet and other frame work would be made by Mild steel. Construction joints would be TIG (SS Portion) welded and polished. All fasteners would be high tensile.
- B. Transparent Portion (Wall): The channel would be constructed of 19mm thick clear transparent glasses in size 3.0m long X 0.8m height on both side to be properly fixed with water proof boundary. The construction joints would be screw fastened. The individual sections would be joined with neoprene rubber gasket, silicon and polyurethane sealant wherever necessary.
- C. Longitudinal Flow Strainer Arrangement: To be provided to install the furnished honeycomb or metal mesh filter media in the inlet in order to develop satisfactory flow conditions without surface disturbances.
- D. Outlet Line: The end portion of the Flume (at the downstream) would be covered whereas an outlet line at the bottom end with necessary gate valve of size 12" dia with arrangement of water outlet to the existing underground sump tank would be provided.
- E. Water Pump : A 20 HP capacity Pump-motor set having discharge 150 LPS (at minimum head 7 meter) to be mounted on base frame with necessary suction line from existing sump tank provided with non-return valve and delivery pipe line (MS) size 200mm/250mm dia NB to the overhead tank to deliver water to the existing overhead tank. A bypass pipe line would be provided from pump section to very water discharge.
- F. Speed Controller: Inverter based variable Frequency drive to be equipped to the pump set for Adjusting the water flow.

- G. Priming arrangement: The permanent water priming arrangement to the all pump set would be provided.
- F. Delivery pipe line: The delivery pipes (MS) from pump set would be covered by wire mesh at the end and side walls would be perforated.
- I. Rail and others: 15 m long SS pipe rail with scale to be fixed on the top of the channel (both side) for smooth running of trolley.
2 nos. water level gauge to be provided on the single side of the flume.
- J. Platform: MS Platform size 16.0m Long x 1.0m Width x 0.30m High with one side railing and 2 Sides Staircase would be provided. The cover would be made of 6mm thick checkered plate.
- K. Electricals: Suitable Electric D.B. panel board consists of 8 way distribution to be provided with Necessary switchgears and measuring instruments for running the pump sets.

Existing Work related to the overhead tank and pumps:

- Water passing corridor: 4 nos. Gate valve would be installed inside the overhead tank to pass water from the inside chamber to the V-notch block.
Gate Valve of size 18" dia (ISI) with long shaft and front wheel to be fabricated with necessary gear arrangement on the overhead tank.
- Strainer: 4 nos. of Strainer would be provided at the entrance of v-Notch, The strainers would be made by S.S. perforated sheets having 3 sides covered maintaining the height of V-Notches.
- Water rolling Tray: 1 No. Water rolling tray with splash guard to be provided from the outlet of V-notch to the header tank of the channel.
- Other Pumps: Another 1 set of 20 HP capacity end suction pump and 2 sets of 15 HP end suction Pump to be provided and installed with necessary suction pipe (MS), delivery pipe, non-return Valves etc. at the existing point on Underground sump tank.
- Chain Pulley arrangement: Necessary moveable chain pulley arrangement with overhead post to be supplied and installed nearer to the pump sets for lifting and Install of the same.