

NATIONAL INSTITUTE OF TECHNOLOGY KARNATAKA, SURATHKAL

DEPARTMENT OF CIVIL ENGINEERING

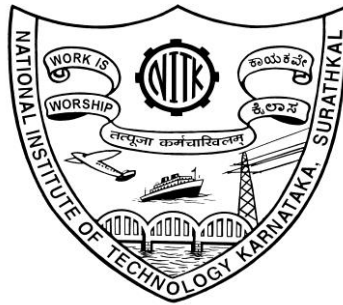
POST SRINIVASNAGAR, MANGALORE – 575 025 (D K)

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TENDER DOCUMENT

Tender Notification No: NITK/SERB/CIVIL/B.B.DAS/2018-19/1-4

Date: 26/10/2018

Name of Goods	: Carbonation Chamber
Estimated amount put to Tender	: Rs: 10.5 Lakhs
E M D Amount	: Rs: 21,000/-
Time for Supply of item after release of Purchase order	: Five Weeks.
Last Date for submission of tender	: 19/11/2018 before 3.00 PM

Address for Submission of Tender :

Dr. Bibhuti Bhusan Das
Department of Civil Engineering
NITK, Surathkal, Mangalore – 575 025.
Tel : 0824-2473041 (O)

Date of opening of technical bid : 19/11/2018 at **3.30 PM** (if possible)



Department of Civil Engineering
NATIONAL INSTITUTE OF TECHNOLOGY KARNATAKA, SURATHKAL
POST SRINIVASNAGAR, MANGALORE – 575 025
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Tender Notification No: NITK/SERB/CIVIL/B.B.DAS/2018-19/1-4

Date: 26/10/2018

NOTICE INVITING TENDER (NIT)

The National Institute of Technology Karnataka, Surathkal (in short – NITK, Surathkal) is an autonomous body under Ministry of HRD Govt of India, a Deemed University, imparting Technical Education and engaged in Research Activities. It is proposed to procure the items for the departmental academic/research activities.

Sealed Tenders are invited for the following items in **two cover system** (i.e., Technical bid and financial bid) subject to the following terms and conditions, from the reputed manufacturers or its authorized dealers so as to reach this office on or before scheduled date and time. The tender (Technical bid) will be opened on the same day if possible in the presence of bidders or their authorized agents who may choose to be present. The financial bid of only such bidders whose technical bid is accepted shall be opened on the same day or later pre-informed date.

1. **Name of Goods :** Carbonation Chamber
2. **Estimated Cost :** Rs 10.5 lakhs (Rupees Ten lakhs and fifty thousand only)
3. **E M D :** Rs. 21, 000/- (Rupees Twenty one thousand only)
4. **Time for completion of Supply after Placing Purchase Order:** Five Weeks
5. **Last date and time for submission of Tender:** 19/11/2018 before 03:00 PM
6. **Tender to be submitted at the following address:**
Dr. Bibhuti Bhusan Das
Department of Civil Engineering
NITK, Surathkal, Mangalore – 575 025.
Tel : 0824-2473041 (O)
7. **Place, Date and Time of opening of technical bid: (If possible)**
Date: 19/11/2018 Time: 3.30 PM Venue: Committee Room, Main Building, NITK

Note: Institute shall not be responsible for any postal delay about non-receipt /non delivery of the bids or due to wrong addressee.

**Sd/-
HOD**

SECTION 1: INSTRUCTIONS TO THE BIDDERS(ITB)

1. The bid should be submitted in two cover system-Technical Bid and Financial Bid:

1.1 Envelope No.1 – Technical Bid: The agencies should give details of their technical soundness and provide list of customers of previous supply of similar items to Universities, Institutes or Government Departments/ Undertakings/ public sectors with contact details. The details of the agency/ profile should be furnished along with the copy of all related documents. This envelope should be sealed and duly super-scribed as “**Envelope No. 1 – Technical Bid**”. Full name and address of the agency should also be mentioned on envelope and should be addressed to **The Director, NITK, Surathkal.**

1.2. Documents to be submitted with the technical bid:

- a) The agency should possess **Licence certificate** for manufacture /supply of the item.
- b) List of Owner/partners of the firm and their contact numbers
- c) The agency should possess **Income tax PAN number.**
- d) The agency should possess **GST registration.**
- e) **Catalogue of the Product with detailed product specifications.**
- f) List Service Centres and **List of customers** with contact details.
- g) The average annual turnover should not be less than 30% of the estimated cost put to tender/quotation for the job work. **The copy of the Balance sheet, Profit & Loss A/c., Trade or Manufacturing A/c for the last 3 years should be enclosed**
- h) **Warranty Period Offered for the tendered item to be specified.** If the Warranty period is not conforming with the schedule of requirements given in section 3 of the document, the bid is liable to be treated as non-responsive and rejected.
- i) **EMD in original form valid for minimum six months, through Bank Guarantee or crossed DD only, drawn on any scheduled bank** in favour of “**Director NITK, Surathkal**”, payable at **Surathkal** should be submitted. EMD shall bear no interest. Any bid not accompanying with EMD is liable to be treated as non-responsive and rejected.
- j) **Contract form** given in section 5 need to be submitted.

The above documents should be furnished in the technical bid envelope.

2. Envelope No.2 – Financial bid: The agencies should submit their financial bid as per the format given in Section 4 of the Notice Inviting Tender in this cover. The rate should be quoted both in words and figures. **All the pages of the financial bid should be signed affixing the seal.** All corrections and overwriting should be initialled. This envelope should be duly super-scribed as “**Envelope No. 2 – Financial bid**”. Full name and address of the agency should also be mentioned on the envelope and should be addressed to The Director, NITK, Surathkal.

Both the Envelopes, No. 1 and 2 should be kept in another separate envelope, duly super-scribed with the following details.

- (i) Tender Notification Number _____
- (ii) Tender for the supply of _____
- (iii) Not to be opened before : (Date and Time) _____

Mention “Kind Attention: Dr. C. Rajasekaran”, Phone Number 0824 - 2473041 , and submit at the address given in this Notice Inviting Tender.

- 3 The tender will be acceptable only from the **manufacturers or their authorised dealers/suppliers.**
4. The Institute **reserves the right to visit to the factory** before or after issue of supply order to satisfy itself regarding quality of production . In case of any remarks /default noted, the EMD will be forfeited even if pre-qualified.
5. **The Financial bid shall be in the format of Price Schedule given in Section 4. The Contract form as per format given in section 5 shall be submitted. Incomplete or conditional tenders will be rejected.**
6. Details of item to be supplied, approximate quantity and the specifications are mentioned in “Section 3 ” appended to this Notice Inviting Tender.
7. **The item to be supplied should be strictly according to the specifications and subject to test by the institute/concerned authorities. It must be delivered and installed in good working condition.**
8. The Institute **reserves the right to cancel or reduce the quantity** included in the schedule of requirements at any time after acceptance of the tender with a notice. The Contractor/Supplier shall have no claim to any payment of compensation or otherwise whatsoever, on account of any profit or advantage which he might have derived from the execution of the work/supply in full but he did not derive in consequence of the foreclosure of the whole or part of the works.
9. **Performance Security of 5 % of contract value in terms of Bank Guarantee by scheduled banks shall be given by the successful bidder for the total period of Warranty.**
10. **Release of EMD :** The EMD shall be released after receipt of performance security from successful bidder.
11. **Imports :** In case, Goods are to be Imported, the Indian agent should furnish authorisation certificate by the principles abroad for submission of the bid in response to this Notice Inviting Tender.

12. **Validity of bids:** The rate quoted should be valid for a minimum of 90 days.

No claim for escalation of rate will be considered after opening the Tender.

13. Clarification of Tender Document:

A prospective bidder requiring any clarification of the Tender Document may communicate to the contact person given in this notice inviting tender. The contact person will respond to any request for clarification for the Tender Document received not later than five working days prior to the last date for the receipt of bids

14. Amendment of Tender document: At any time prior to the last date for receipt of bids, Institute may for any reason, whether at its own initiative or in response to a clarification requested by prospective bidder, modify the Tender document by an amendment.

15. Institute may at its own discretion extend the last date for the receipt of bids.

16. **The bids shall be written in English language** and any information printed in other language shall be accompanied by an English translation, in which case for the purpose of interpretation of the bid, the English translation shall govern.

17. The Institute reserves the right of accepting any bid other than the lowest or even rejecting all the bids. The decision of the Institute Purchase Committee is final in all matters of tender and purchase.

18. The bidder should give the **following declaration** while submitting the Tender.

DECLARATION

I/we have not tampered/modified the tender forms in any manner. In case , if the same is found to be tampered/modified, I /we understand that my/our tender will be summarily rejected and full Earnest money deposit will be forfeited and I /we am/are liable to be banned from doing business with NITK, Surathkal and / or prosecuted.

Signature of the Bidder : _____

Name and Designation : _____

Business Address : _____

Place :

Date:

Seal of the Bidder's Firm

21. Any other details required may be obtained from the contact person given in the notice inviting tender during the office hours.

SECTION 2: CONDITIONS OF CONTRACT.

1. The rates should be quoted for preferably FOR destination from supply within India.
2. In case of import both CIF and/ or FOB rate should be quoted. All components of expenditure to arrive at Bangalore need to be explicitly specified.
- 3 The bidder shall indicate the excise duty exemption for the goods if applicable.
- 3 The institute is **eligible for customs duty exemption and excise duty exemption.**
4. The institute is **not eligible for issuance of Form C or Form D.**
5. The rate quoted should be on unit basis. Taxes and other charges should be quoted separately, **considering exemptions if any.**
6. Rate quoted should be inclusive of Testing, commissioning and Installation of equipment and Training, if any.
7. Payment: **No advance payment will be made.** Payment will be made only after the supply of the item in good and satisfactory condition and receipt of performance security by supplier.

In case of Imports, the payment will be made through LC / Sight Draft / After Installation, and performance security need to be submitted at the time of LC commitment / issue of sight draft.
8. Guaranty and Warranty periods should be specified for the complete period conforming to the section 3 of this tender document.
9. Period requirement for the supply and installation of item should be specified conforming to the section 3 of this tender document.
10. In case of dispute, the matter will be subject to Mangalore Jurisdiction only.

SECTION 3: SCHEDULE OF REQUIREMENTS, SPECIFICATIONS AND ALLIED DETAILS

Item(s) to be procured : Carbonation Chamber
(to test the effect of carbon dioxide on the concrete composites)
Type : Equipment

Brief specifications of the Items:

- Carbonation chamber capacity: 1000 liters or more (minimum 1000 liters)
- Loading trays (detachable): Four or more (minimum four)
- Weight of the samples that can be loaded per tray: 100 kg or more (minimum 100 kg per tray) – Total 400 kg samples.
- Temperature controller (digital): 10-60°C (with measurement accuracy of 1°C)
- Humidity controller range (digital): 40% - 95% RH (with measurement accuracy of 1 – 2% RH)
- Air compressor with refrigerated drier unit and all other requisite sub-assemblies to do the carbonation test, steam curing, thermal cyclic and heat curing test on concrete samples. Everything need to be programmable through a computer as well need to be digitally programmable directly in the system.
- CO₂ detection and control: 0-10% concentration (with measurement accuracy of 0.1%)
- Low noise 5 HP screw type air compressor with refrigerated drier unit (for dehumidification and precise humidity control)
- An ambient CO₂ measurement sensor with safety alarm (0-2000PPM)
- Fabrication details
 - Loading trays fabricated with stainless steel (SS304) for carrying minimum 100 kg weight
 - Corrosion resistant MS powder coated exterior (18SWG)
 - Stainless steel interior, full TIG welding for vapor tight finish (16SWG SS304)
 - Transparent and vacuumised viewing window(s) on the door
 - Eurotherm 2604 PID 2 loop temperature humidity controller
 - Temperature guard with trip protections
 - Capacitive type temperature and humidity probe for direct RH measurement
 - CO₂ purge system with aSENSE CO₂ transmitter and temperature sensor controller
 - Drain for the Humidity Water, Door Interlock, Emergency Stop Switch
 - Humidity Water (DM Water) Storage Tank
 - Auto-refill of DM Water from the DM Water Tank and also Low water indication
 - Heavy duty CO₂ regulator (0-2.5 bar or less) for CO₂ Cylinder
 - Pre-heater for CO₂ Regulator (Required to avoid CO₂ Condensation and smooth CO₂ Flow)

Quantity : One Set.
Any other details/ requirement : No
Warranty Period required : One year (minimum)
Delivery Schedule expected
after release of Purchase order (Weeks) : Five week
EMD (in Rupees) : 21,000/-
Performance Security to be given
by successful Bidder after release of : 5% of the Total Contract Value
Purchase Order (in Rupees)

SECTION 4 : PRICE SCHEDULE

[Format to be used by the bidder for submission–To be put in cover for ‘Financial Bid’]

1 Cost of Equipment:

- 2. Taxes and Other Charges
 - (i) Specify the type of taxes and duties in percentages and also in figures. :
 - (ii) Specify Other Charges in figures. :

- 3. Warranty Period :
(Conforming to the Section 3 of this tender document- This should be mentioned **here** .
in this technical bid also in order to get qualified for financial bid)

- 4. Delivery Schedule :
(Conforming to the Section 3 of this tender document)

- 5. Name and address of the Firm for placing purchase order:

Signature of the bidder : _____

Name and designation: _____

Business Address : _____

Seal of the Bidder’s Firm

Signature of the authorized signatory with date

SECTION 5 : CONTRACT FORM

[To be provided by the bidder in the business letter head, in this format]

1. (Name of the Supplier's Firm) hereby abide to deliver the by the delivery schedule mentioned in the section 3 tender document for supply of the items if the purchase order is awarded.
2. The item will be supplied conforming to the specifications stated in the tender document without any defect and deviations.
3. Warranty will be given for the period mentioned in the tender document and service will be rendered to the satisfaction of NITK, Surathkal during this period.

Signature of the bidder: _____

Name and designation: _____

Business Address : _____

Place:

Seal of the Bidder's Firm

Date: