

NATIONAL INSTITUTE OF TECHNOLOGY DURGAPUR
MAHATMA GANDHI AVENUE, DURGAPUR -713 209, WEST BENGAL, INDIA

Department of Civil Engineering
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NOTICE INVITING TENDER

BID REFERENCE: NITD/RIG/CE/AKS/WT/2016/01

Date: Nov.2, 2016

To

Dear Sir,

SUB : Invitation for quotations for supply and installation of Instruments/ Equipment /software for NIT Durgapur-sponsored project "Simulation and Analysis of wind induced deformation and bending effects on shell wall of ground elevated cylindrical stacklike structures." as specified in **Annexure-II**.

1. You are invited to submit your most competitive quotation for the listed items of instruments/equipment as per **Annexure-II**. For each item, please quote separately in separate envelope superscripted with ITEM Name. Price bid form as per Annexure-I must be filled with complete numerical values.
2. **Bid Price (Annexure-I)**
 - a) The contract shall be for the full quantity as described above. Corrections, if any, shall be made by crossing out, initialing, dating and re writing.
 - b) All duties, taxes and other levies payable by the contractor under the contract shall be included in the total price **F.O.R. NIT Durgapur**.
 - 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.
 - d) The bid price may be quoted in **Indian Rupees/Any freely convertible Foreign Currency**.
3. **The bid submitted by the bidder must comprise the following:**
 - (a) Detailed technical specifications, conforming to the given specifications (vide Annexure - I), and literature /drawings /manuals of the goods/services to be supplied. **All the specifications claimed in the submitted documents should be supported by catalogue/literature/manual.**
 - (b) Authorized dealership certificate from the original manufacturer (in case of authorized dealer/ distributor) or proprietary certificate, as applicable.
 - (c) Credentials and list of organizations where the bidder supplied similar items

02/11/2016

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- (d) Warranty period (one year comprehensive on-site)
- (e) Valid sales-tax / VAT clearance certificate
- (f) Price bid as per Annexure-I

4. Manufacturer/authorized agent of **reputed brands of high technical quality** with adequate after-sales support facilities are eligible to apply. The bidder must have supplied similar good to reputed Indian organizations to their full satisfaction and furnish a list of the same. The equipments offered for supply must be of the most recent series models incorporating the latest improvements in design. Further, bidder should be in continuous business of manufacturing/supplying products similar to that specified in the list of equipments during the last three years prior to bid opening.

5. **Validity of Quotation**

Quotation shall remain valid for a period not less than 90 days after the deadline date specified for submission.

6. **Evaluation of Quotations**

The Purchaser will evaluate and compare the quotations determined to be substantially responsive i.e.

- (a) Which are properly signed and
- (b) Conform to the terms and conditions, and specifications.

The Quotations will be evaluated separately for each item.

7. **Award of contract**

The Purchaser 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. However, the decision of the Project Tender Committee, which will have the power to decide over the right product, will be final in this regard.

7.1 Notwithstanding the above, the Purchaser 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.

7.2 The bidder whose bid is accepted will be notified of the award of contract by the Purchaser prior to expiration of the quotation validity period. The terms of the accepted offer shall be incorporated in the purchase order.

8. Delivery shall be made at **Department of Civil Engineering at NIT Durgapur.**

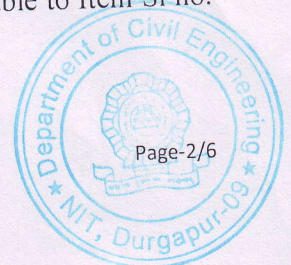
8. **Payment** shall be made immediately within 30 days after satisfactory installation, commissioning and acceptance of the good.

9. **Comprehensive** onsite warranty shall be applicable to the supplied goods for a period of **12 months** from the date of installation /commissioning.

10. **Performance Security:** The successful bidder must submit Performance Security of 10% of the ordered value, on the goods/services supplied irrespective of the origin, before the release of payment either in the form of valid bank guarantee on any nationalized bank or the same amount will be deducted from the billed amount. On satisfactory completion of the warranty period, Performance Security will be released free of any interest on demand. Performance security is only applicable to Item Sl no. -1 as per Annex-II

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11. The **Institute** is **exempted from payment of custom and excise duty** on items mentioned below:
 - a) Scientific and technical instruments, apparatus, equipment (including computers)
 - b) Accessories, spare parts and consumables thereof
 - c) Computer software, CD-ROM, recorded magnetic tapes, microfilms, and microchips.
12. The successful bidder must submit before the release of payment a valid bank guarantee on any nationalized bank of 5% of the order value towards **Performance Security** during the warranty period. Else, 95% of the payment will be released retaining 5% of the order value towards Performance Security during the warranty period.
13. **Quotations** are to be submitted in **sealed covers** containing relevant documents, superscripting "**Bid Ref No.**".
14. Settlement of any dispute will be made under the jurisdiction of Durgapur Court.
15. You are requested to provide your offer latest by 3.00PM and **within 2 weeks** from the date of our tender notice.
16. The purchaser will open the bids **at 3.30 hours on November 17, 2016** in the seminar /meeting room of Civil Engineering Department
17. The bid document must be signed and sealed and enclosed with the bid as a token of acceptance of all terms and conditions in the bid document by the bidder.
18. The items must be delivered within **90 days** from the date of placement of purchase order at the respective department.
19. Installation /**commissioning** /**demonstration requirement:** Installation, commissioning, complete demonstration and successful running at Department of Civil Engineering, NIT Durgapur.

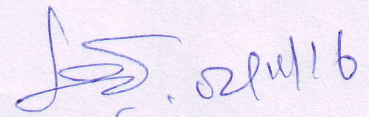
We look forward to receiving your quotations and thank you for your interest in this project.

(Dr. Amiya K. Samanta)
Assoc. Prof., CE Deptt.

The bid must be addressed to:

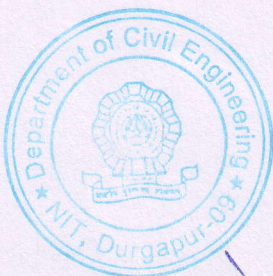
**Head, Civil Engineering Department
NIT Durgapur, Mahatma Gandhi Avenue, Durgapur - 713209**

Contact Person: Dr. Amiya K. Samanta; Email id: aksnitd@gmail.com, Contact No. 09434788099

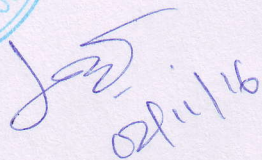


Dr. Atul K. Banik
Head, CE Deptt.

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10
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Annexure – I

PRICE BID

1 Sl. No	2 Name of the goods	3 Quantity & Unit	4 Price for each unit		5 Unit Price (a)+(b)	6 Sales tax/ VAT & other taxes payable [admissible only on col. 4(a)]	7 Total Unit Price (5)+(6)	8 Total Unit Price (in words)
			Ex-factor/ ex- warehouse/ ex- showroom/ off the shelf (a)	Incidental Services (b)				

We agree to supply the above goods in accordance with the technical specifications and the terms and conditions mentioned in the bid document at prices mentioned above within the period specified in the Invitation for Quotations.

We also confirm that the comprehensive onsite warranty of 12 months shall apply to the offered goods.

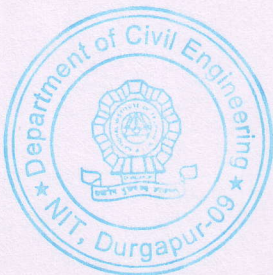
Signature of Bidder _____

Name _____

Business Address _____

Place:

Date:



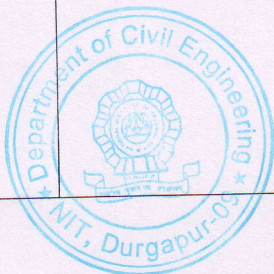
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LIST OF LABORATORY INSTRUMENTS

SI nos	Name of the Instrument	Specifications	Quantity
01.	Wind tunnel set-up (fabricated, open type)	<p>Wind tunnel made out of teak wood and kitply wood consisting of bell mouthed entry, Settling chamber with honeycomb-1no.(Al make) and screen-2 nos (SS make), Contraction, Test section with top opening and windows on both side of the test section, transition, Diffuser(sheet metal make-circular or octagonal), Fan duct with Fan(1500RPM) assembling, AC motor with speed controller, probe holder. Total length of the tunnel Approx. 6.7m with appropriate ground support system made up of MS angle sections. The System must be polished (wooden /ply), painted (sheet /angle) compact, versatile, high performance and successful on installation /commissioning of necessary gadgets /instruments complete (including quality thick dark color cloth cover).</p> <ol style="list-style-type: none"> Settling Chamber (1500x1500x1250) : Wooden 50mm thick, inside and outside with Kitply having smooth surface for air flow with packing wood at the middle and provision for connection with Contraction section. Also surfaces be prepared smooth with one coat primer and two coats of appropriate paint. Honey comb (L/D: 6-8) : Honeycomb (flow straightener) cell be made of galvanized steel plate or aluminum sheet(3mm thick) having side around 30mm and with length/dia ratio 6-8 to be fitted with settling chamber. Screen-2 nos : Turbulence reducing screens made up of corrosion resistant (stainless steel or galvanized ms) wire mesh, size 20sq and 10sq at specified location appropriately fitted with settling chamber. Contraction (1500sq to 500sq, 900long) : Wooden 50mm thick, inside and outside with Kitply having smooth surface for air flow with packing wood at the middle and provision for connection with Straightner. Straightener (500sqx500) : Wooden 50mm thick, inside and outside with Kitply having smooth surface for air flow with packing wood at the middle and provision for connection with Test Section. Test Section (500x500x1250) : Sal Wooden frame with glass (sides faces) & Perspex(top & bottom) of appropriate thickness with provision for installing anemometer, web /video camera /data acquisition system /data logger cables etc. and two nos. top-hinged doors with a provision for top window. Maximum wind Speed at Test Section: 25 m/s Diffuser (Sq500 to 750 dia circular/octagonal in a length of at least 2500) : made up of sheet metal of appropriate thickness (2.5 to 3mm thick) along with necessary stiffener, primer & enamel painted surface. 	One with ground support and accessories, installation

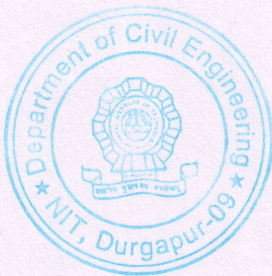


11
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		<p>8. Industrial Fan (3 Phase-1500 RPM) : with appropriate no of sweeping blade fitted to diffuser, bearing, shaft, cover, belt cover net, fan coupling assembly, fan duct, AC Motor with speed controller (variable frequency drive), motor stand mounting accessories etc. so as to generate wind speed of 25 m/s in the specified test section.</p> <p>9. Ground support /tray with or without revolving wheel facility. Made up of MS Angle(min L65x65x6) with primer & enamel painted surface. Height of the tray be adjusted so as to have the center line of the tunnel at 1250mm above ground level.</p>	
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Delivery Period: **90 days**

Place of Delivery: **Department of Civil Engineering, NIT Durgapur**



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