



NATIONAL INSTITUTE OF TECHNOLOGY, DURGAPUR

MAHATMA GANDHI AVENUE

DURGAPUR –713 209, WEST BENGAL, INDIA

FAX: 0343-2547375; E-mail: rajusaharupa@yahoo.com; Website: www.nitdgp.ac.in

Telephone: + 91-9434788063

BID REFERENCE: NITD/Chemistry/RNS-DST-2/2014/01

Date: 10.01.2014

To

Dear Sir,

SUB : Invitation for quotations for supply and installation of Instruments/ Equipment /Accessories/ Computer & Printer for SERB, Department of Science and Technology, Government of India sponsored project “Development of a Remedial Scheme for the Contaminated Ground Water Specially for Pesticides, Nitrate and Arsenic with Surface Modified Nanoscale Zero Valent Iron (nZVI) and Nano-Fenton’s Oxidation.” (Project No. **SB/EMEQ-115/2013**, dated July 08, 2013) as specified in **annexure-II**.

1. You are invited to submit your most competitive quotation for the listed items of Instruments/ Equipment/ Accessories/ Computer & Printer 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. Please note that each item will include sub-items. **No separate quotations are required for sub-items**.
2. The Tender is to be submitted under “TWO BID” system. Viz. Two separate sealed covers one should contain Techno Commercial bid and other should contain Price bid. Both the covers are to be superscribed separately as “Techno Commercial bid” and “Price bid” and packed in one sealed cover. The Techno Commercial bid should be a replica of price bid without price, to evaluate all the Techno Commercial aspects, where the compliance with the desired specification should be mentioned in tabular form against each technical & other parameter as per Annexure-I.
3. The tenders should be submitted in duplicate i.e. two sets of Techno Commercial bid & two sets of Price bid i.e. original copy & duplicate copy, duly sealed and superscribed the tender No. & due date of opening
4. Bid Security/Earnest Money Deposit amount is to be furnished with Techno Commercial bid only, failing which the offer will be summarily rejected
5. **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 rewriting.
 - 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 must be quoted in **Indian Rupees/Foreign Currency (both)**.
6. Each bidder shall submit only one quotation for each item. Manufacturer/authorized dealers of reputed brands of high technical quality with adequate after-sales support facilities are eligible to apply. The bidder must have supplied similar Item to reputed organization to their full satisfaction and furnish a list of the same.
7. **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 Items/services to be supplied
 - (b) Authorized dealership certificate from the original manufacturer

- (c) Credentials and list of organizations where the bidder supplied similar items
 - (d) Warranty period (1 year comprehensive on-site and 2 Years AMC after 1 years Comprehensive warranty)
 - (e) Valid sales-tax / VAT clearance certificate
 - (f) Price bid as per Annexure-I
8. The price quoted by the bidder will be considered only after satisfactory fulfillment of the techno-commercial conditions.

9. Validity of Quotation

Quotation shall remain valid for a period not less than 60 days after the deadline date specified for submission.

10. 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.

11. Award of contract

The Purchaser will award the contract to the bidder whose quotation has been determined to be substantially responsive, technologically acceptable and who has offered the lowest evaluated quotation price.

11.1 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.

11.2 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.

- 12 Delivery shall be made at **Department of Chemistry at NIT, Durgapur.**
- 13 Payment shall be made immediately within 30 days after satisfactory installation, commissioning and acceptance of the Item.
- 14 Comprehensive onsite warranty shall be applicable to the supplied Items for a period of **12 months** from the date of installation.
- 15 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.
- 16 The successful bidder must submit before the release of payment a valid bank guarantee on any nationalized bank of 10% of the order value towards **Performance Security** during the warranty period. Else, 90% of the payment will be released retaining 10% of the order value towards Performance Security during the warranty period.
- 17 **Liquidated Damage** will be applicable at the rate of 0.5% per week. The purchaser has the right to cancel the purchase order when LD accumulates to 10 %.
- 18 A bank draft or bank guarantee worth 2% of the quoted value payable to **“PROJECT-RNS-DST-2”** at Durgapur will be enclosed with the bid by the bidder towards the **Earnest Money Deposit (EMD)**. The EMD shall remain valid for a period of **105 days**.
- 19 Settlement of any dispute will be made under the jurisdiction of Durgapur Court.
- 20 You are requested to provide your offer latest by 11.00 hours on **February 03, 2014**
- 21 The purchaser will open the bids at 11.30 hours on **February 03, 2014** in the Chemistry Department
- 22 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.
- 23 The items must be delivered within **60 days** from the date of placement of purchase order at the respective department.
- 24 Comprehensive onsite warranty for **12 months** from the date of satisfactory installation and **AMC three years** after one year comprehensive warranty from the date of installation and commissioning of the instrument. This should include service and consumables and spares required for trouble free running of the instrument such four years applicable for offered Items.
- 25 All other terms and conditions of GFR 2005 of the Government of India will be application.

26 **Place of Delivery: Dept. of Chemistry, NIT Durgapur.**

27 **Installation / commissioning / demonstration requirement: Installation, commissioning, complete demonstration and successful running at Dept. of Chemistry, NIT, Durgapur**

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

The bid must be addressed to:

Dr. Rajnarayan Saha

(Project Supervisor)

E-mail: rajusaharupa@yahoo.com

Department of Chemistry

NIT, Durgapur -713209, W.B.

SPECIFICATIONS OF THE FOLLOWING ITEMS

Sl. No.	Name of the Item	Minimum Technical Specifications	Quantity
1	ATOMIC ABSORPTION SPECTROPHOTOMETER (IMPORTED)	<p><u>Flame base system with Hydride Generator and upgradable to integrated Graphite Furnace in future:</u></p> <ul style="list-style-type: none"> (i) The system should be fully automated external computer controlled double beam with D2 background correction system. (ii) Stabilized optics and should be anti corrosive. (iii) Wavelength range: 185 to 900 nm. (iv) Focal length 270 mm or more. (v) Holographic grating with 1800 lines/mm. (vi) Reciprocal linear dispersion 1.6 or better (vii) Performance: >0.9 absorbance with precision of <0.5% RSD from ten 5 sec. integrations for 5 mg/L Cu solution (viii) Detector : Wide range PMT detector (ix) Burner 100 mm and 50 mm for both Air-C₂H₂ and N₂O-C₂H₂ operation (x) Automated slit setting - variable slit width 0.2, 0.5 and 1.0 nm (xi) Automated wavelength scan, adjustment and setting of wavelength. (xii) Lamp turret with fully automatic alignment of 8 or more lamps with dedicated power Supplies for each lamp. (xiii) Auto adjustment of lamp position, lamp and pre-heating current. (xiv) Safety circuits for cooling water, inert gas, excess furnace temperature (xv) Quadline Deuterium background correction with optimized optical beam and moveable polarizer for maximum energy throughput. (xvi) Single Hollow cathode lamps: Data coded HCL lamps (As-2nos, Cu-1 no) (xvii) Hydride Generation System (for elements such as As and Hg) having the facility of continuous flow vapour with good peristaltic pump and operates automatically under data station control. (xviii) Basic software for device control and data analysis. (xix) N₂O regulator with heater (imported) (xx) Air Compressor with filter & moisture trap (imported) (xxi) Latest configuration Branded PC (i3) with Laser jet Printer (black &white) 	01

		<p>with branded UPS for 20 min backup– 01 set.</p> <p>(xxii) Argon Gas cylinder – 01 nos (xxiii) C₂H₂ Gas cylinder – 01 nos (xxiv) N₂O Gas cylinder – 01 nos (xxv) Dual stage SS Regulator for Argon and C₂H₂ Gas cylinder (xxvi) Stainless Steel Ducting Hood with Exhaust Fan & Ducting facility. (xxvii) Suitable Servo Voltage Stabilizer along with Surge Suppressor for AAS. (xxviii) 1000 ppm Standard for As(III), As(V), Cu, and Hg (xxix) AMC three years after one year comprehensive warranty from the date of installation and commissioning of the instrument. This should include service and consumables and spares required for trouble free running of the instrument such four years. (xxx) List of installations of same particular instrument with user certificate in last three years.</p> <p><u>Accessories (optional) (quote separately)</u> a) Branded AC 1ton b) Single Hollow cathode lamps (Hg-1No., Cr-1 No., Fe-1No.)</p>	
2	ECD Detector	Upgradation with ECD detector of existing GC (Model Agilent GC 7820A)	01
3	Computer and Printer	Branded PC: 4 GB RAM, 500 GB HDD, re- writable DVD drive , Colour (19' ') Monitor, Key board, Optical Mouse and Windows 7 Preloaded software along with Laser printer (Mono) and suitable UPS	01 Set