



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

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Telephones: 0343-2546397 (Director)

**BID REFERENCE:** NITD/BIOTECHNOLOGY/ DBT-NERT/SK/2012/01

**Dated:** 06.08.2012

To

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Dear Sir,

**Sub: INVITATION FOR QUOTATIONS FOR SUPPLY OF GOODS UNDER DBT NER TWINNING PROJECT (BT/226/NE/TBP/2011)**

1. You are invited to submit your most competitive quotation for the goods as per annexure-I
2. **Bid Price**
  - 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 must be quoted in **Indian Rupees**.
3. 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 good to reputed organization to their full satisfaction and furnish a list of the same.
4. The bid submitted by the bidder must comprise the following:

**Part – I (Techno-commercial Bid)**

- (a) Detailed technical specifications 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
- (c) Credentials and list of organizations where the bidder supplied similar items
- (d) Warranty period (comprehensive on-site)
- (e) Valid sales-tax / VAT clearance certificate

**Part – II (Price Bid)**

Price bid (vide annexure-II)

5. **Validity of Quotation**  
Quotation shall remain valid for a period not less than **60** 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. which
  - (a) 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.
  - 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 Biotechnology at NIT, Durgapur**
9. Payment shall be made immediately within **30 days** after satisfactory installation, commissioning and acceptance of the good.
10. Comprehensive onsite warranty shall be applicable to the supplied goods for a period of **12 months** from the date of acceptance.
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 **10%** of the order value towards **Performance Security** during the warranty period.
13. **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 %.
14. A bank draft of **Rs 100** towards the Bid document price payable to “**NIT Durgapur**” at Durgapur will be enclosed with the bid by the bidder.
15. A bank draft or bank guarantee worth **2%** of the quoted value payable to “**NIT Durgapur**” 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 45 days beyond the final bid validity period.
16. Quotations are to be submitted **in two separate sealed covers (superscribed with Instrument Name)** marked **PART-I** (Techno-commercial bid) and **PART-II** (Price bid) containing relevant documents, superscripting “Bid No. - **NITD/BIO TECHNOLOGY/DBT-NERT/SK/2012/01**”. These two sealed covers are to be placed in a separately sealed larger cover. Further, the sentence ‘**Not to be opened before 15:30 hours on 19/09/2012**’ is also to be put on these envelopes.
17. Settlement of any dispute will be made under the jurisdiction of Durgapur Court.
18. You are requested to provide your offer latest by **15:00** hours on **19/09/2012**.
19. The purchaser will open the bids at **15:30** hours on **19/09/2012**.
20. 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.
21. The items must be delivered within **60 days** from the date of placement of purchase order at the respective department.
22. Comprehensive onsite warranty for **12 months** from the date of satisfactory installation shall be applicable for offered goods.
23. All other terms and conditions of GFR 2005 of the Government of India will be applicable.
24. We look forward to receiving your quotations and thank you for your interest in this project.

**DR. KAZY SUFIA KHANNAM**  
Principal Investigator  
DBT NER Twinning Project  
Department of Biotechnology  
NIT, Durgapur - 713209

**The bid must be addressed to:**

**DR. KAZY SUFIA KHANNAM**  
Department of Biotechnology  
National Institute of Technology Durgapur  
Mahatma Gandhi Avenue, Durgapur – 713209, WB  
Email id: [sufia\\_kazy@yahoo.com](mailto:sufia_kazy@yahoo.com); [sufia.kazy@bt.nitdgp.ac.in](mailto:sufia.kazy@bt.nitdgp.ac.in)  
NIT Durgapur

LIST OF GOODS

Sl. No	BRIEF DESCRIPTION OF THE GOODS	TECHNICAL SPECIFICATION	QUANTITY
1	GRADIENT PCR	<p><b>Minimum Specifications:</b></p> <p>The system should be a 96 well Thermal Cycler with <b>6 separate peltier blocks</b> to provide independent temperature zones to run – <b>six different assays with varying annealing temperatures at the same time.</b> Each block to accommodate 16 wells and having the ability to set up PCR with a specific temperature differential of up to 5 degree centigrade between blocks. Run up to 6 separate temperatures in the same plate with user defined time to determine the optimal annealing temperatures. <b>On board Tm calculator</b> facility to approximate the optimal annealing temperature. The system should provide for Standard and Fast run modes in a single instrument with the ability to use 0.2ml / 0.1ml PCR tubes or micro-well plates. The system should support PCR volumes ranging from 10 to 80 micro litre. Mouse or stylus free navigation capability with VGA colour touch screen allowing for easy intuitive graphical user interface programming. Choice of saving the methods up to 800 to the instrument or unlimited to a USB memory stick. Programmable heated lid cover from for efficient PCR optimization. Scalability: capability to interlink up to 11 PCR systems via single Ethernet hub. Security: The system should have the ability to store most important methods on a memory stick. Portability: The system should have a USB port to transfer methods from one machine to another. The system should allow easy product updates via USB port. The machine should be duly certified / authorized for PCR process and the vendor should produce the certificate for the same.</p>	1 Unit
2	GAS CHROMATOGRAPH	<p><b>Minimum Specifications:</b></p> <p><b>System Performance:</b></p> <ul style="list-style-type: none"> <li>• Retention time repeatability: 0.06%,</li> <li>• Peak area repeatability: 2%</li> <li>• <b>Channels of Operation</b> Must have multi channel design capability of supporting simultaneous operation of two channels</li> <li>• EPC Modules/ EPC Channels : Must be able to install EPC on both inlets and detectors</li> </ul> <p><b>Column Oven:</b></p> <ul style="list-style-type: none"> <li>• Operating temperature: 8°C above ambient to 425 °C</li> <li>• Temperature programming ramps: 5</li> <li>• Ambient rejection: &lt; 0.01 °C per 1 °C</li> <li>• Independent heated zones, not including oven: five (two inlets, two detectors, and one auxiliary)</li> <li>• Column bleed compensation for two channels</li> <li>• <b>Oven power safety:</b> Oven power must turn-off automatically when the lid/door is opened</li> </ul> <p><b>Inlets :</b></p> <ul style="list-style-type: none"> <li>• Split/splitless capillary (S/SL)</li> <li>• Electronic pressure/flow control</li> <li>• Maximum operating temperature: 400 °C</li> <li>• Total flow range SSL : Must be able to set total flow range: 0 to 200 mL/min N<sub>2</sub> 0 to 500 mL/min H<sub>2</sub> or He</li> <li>• Inlet maintenance SSL Inlet sealing system is built in standard with each S/SL inlet for quick, easy, injector liner changes in under 30 seconds.</li> <li>• Should be capable to add Purged/ Packed inlet.</li> <li>• Should have facility to include sample automatic liquid sampler (ALS) as and when required.</li> </ul>	1 Unit

		<p><b><u>Detector:</u></b></p> <ul style="list-style-type: none"> <li>• <b>Flame ionization detector (FID)</b></li> <li>• Electronic pressure/flow control</li> <li>• Maximum operating temperature: 425 °C</li> <li>• MDL: &lt; 3 pg carbon/s as tridecane</li> <li>• Linear dynamic range: &gt; 10<sup>7</sup> range. Full-range digital data path enables peaks to be quantified over the entire 10<sup>7</sup> concentration range in a single run, without the need to set a switch or software setting to obtain this full range of data.</li> <li>• Data rate :FID Must be able to set data rate up to 100 Hz</li> <li>• <b>Thermal Conductivity Detector(TCD)</b></li> <li>• Electronic pressure/flow control</li> <li>• Maximum operating temperature: 400 °C</li> <li>• Sensitivity 800pg propane/ml</li> <li>• Linear dynamic range: &gt; 10<sup>5</sup> range.</li> </ul> <p>Should be capable to add ECD , NPD,FPD as and when required</p> <p><b><u>Others:</u></b></p> <ul style="list-style-type: none"> <li>• Software: Windows based to run the GC using a separate computer.</li> <li>• Power Supply : 220-230V, 50Hz</li> <li>• System should have Safety and Regulatory Certifications/ Safety Standards from Recognized Bodies</li> <li>• Monitoring &amp; Diagnostic Software: The GC must be able to interface to comprehensive real-time monitoring and diagnostic software which includes all of the following items: <ul style="list-style-type: none"> <li>- real time notification via advisories and indicators</li> <li>- counters</li> <li>- chromatographic attributes</li> <li>- instrument diagnostics, including leak tests</li> <li>- access to maintenance, run and even logs</li> <li>- access to maintenance information, such as manuals and videos</li> <li>- provides a link to optional, Web-enabled Agilent Intelligent Services to back up your internal service and support resources</li> </ul> </li> <li>• The LAN interface must allow real-time monitoring of the GC when it is connected with monitoring &amp; diagnostics Software, even when also connected to a data system</li> <li>• Required PC/Laptop, Printer</li> </ul> <p><b><u>Compulsory accessories:</u></b></p> <ul style="list-style-type: none"> <li>• SERVO Stabilizer of adequate strength to run the GC.</li> <li>• Zero Air, N<sub>2</sub> and H<sub>2</sub> gases with cylinders (6 numbers), regulators (3 numbers) and all necessary traps and tubings, nut &amp; ferrules, Cylinder key, Cylinder buckets to run the GC. Two capillary columns of minimum 30 M length (for general purpose and for analyzing petroleum hydrocarbons, PAH, BTEX, TPH).</li> <li>• Syringe for injecting sample (at least 3 numbers).</li> <li>• Installation kit (if any): As required.</li> </ul>	
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**Delivery Period:** 60 days from the date of placement of purchase order. **Place of Delivery:** Dept. of Biotechnology, NIT Durgapur.

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

**PRICE BID**

1	2	4	5		6	7	8	9
Sl. No	Name of the good	Quantity & Unit	Price for each unit		Unit Price  (a)+(b)	Sales & other taxes payable [admissible only on col. 5(a)] (4% against D form)	Total Unit Price  (6)+(7)	Total Unit Price (in words)
			Ex-factory/ ex-warehouse/ ex-showroom off the shelf [Customs & Excise duty waived] (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: