



**SPONSORED RESEARCH, INDUSTRIAL CONSULTANCY AND
CONSULTANCY EDUCATION CELL
NATIONAL INSTITUTE OF TECHNOLOGY, ROURKELA**

Advertised Open Tender Enquiry

Department: Biotechnology and Medical Engineering (BM)

Tender Notice No: NITR/PW/BM/2018/10

Date: 09/03/2018

Through
CPP Portal
(E-procurement)

Important Dates

Event	Date	Time
Pre-bid Conference	NA	NA
Last Date of submission of bid	06/04/2018	03:00 PM
Date of Opening of Technical and Financial Bid	09/04/2018	11:00 AM

Dear Sir,

We intend to purchase the commodities specified below and invite quotations in accordance with the terms and conditions detailed in the bid document. If you are interested, kindly send your offer with prices and complete terms within the time mentioned above.

For any clarification:

<p>Attention: - PRINCIPAL INVESTIGATOR Dr. ANGANA SARKAR BIOTECHNOLOGY & MEDICAL ENGINEERING Dr. ANGANA SARKAR NATIONAL INSTITUTE OF TECHNOLOGY ROURKELA – 769 008, ORISSA</p>
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Yours sincerely,

Name: Dr. Angana Sarkar
PI: BM-EC/017 (Project)

Encl:

1. Schedule of requirement, specifications, dates etc.
2. Bid document containing detail terms and conditions.

1. Schedule of requirements

Sl.No.	Description of Goods/Service	Quantity
1.	<p>Compact versatile refrigerated Micro centrifuge with accessories for Mixing of PCR setups</p> <p>Specifications:</p> <ul style="list-style-type: none"> • Maximum Speed of at least 30,000xg /17000 rpm, with a brushless motor • Temperature range should be from -10°C to 40°C, should be able to maintain 4°C at maximum speed • It should be possible to use aerosol tight rotor, aerosol tightness of rotor should be certified by a third party agency • Instrument should be able to accommodate 48 number of 1.5/2ml tubes • Instrument should have an in-built condensate drain to prevent water accumulation • It should be possible to perform a fast pre-cooling of the instrument using a dedicated Fast Temp function • It should be possible to program fast cooling with preset date and time • It should be possible to store 50 programs with 5 quick access program keys • Speed setting should be possible in both rpm and rcf • Should possess a separate short spin key for brief spin • It should be possible to program compressor shut off after 8 hrs of non-usage of the centrifuge • Should have the flexibility to accommodate rotors for different formats of tubes starting from 0.2ml PCR tubes up to spin column tubes • Instrument should have a dedicated rotor for 5 ml tubes to accommodate 5ml conical tubes. • Instrument should have dedicated rotors for 15/50ml Conical tubes and Micro titer plates • Instrument should have automatic rotor recognition facility to automatically recognize and set maximum speeds upon rotor change • Rotor lids should have a Quick Lock-system for secure lid closing and opening • It should be possible to perform gentle acceleration and deceleration using dedicated key • Noise levels should be <54 dB(A) • It should be possible to operate the centrifuge at set rpm, for short spin protocols • Instrument should be CE Certified and also have a IVD Conformity • Aluminum made rotors is required for high structural safety & high thermal conductivity for fast temperature adjustments. • Rotors under scope of supply: • 30 x 1.5/2.0 ml micro centrifuge tube rotor with at least Speed:17,000 rpm.& At least RCF: 30,000xg • 6 x 15 ml / 50 ml Falcon / Conical tube rotor with maximum Speed 7,500 rpm. • As an accessory of the system a Peltier driven thermal device with excellent temperature control with user controllable mixing function for complete, dependable and reproducible sample preparation should be offered. This unit should have heating, mixing and cooling for tubes and plate formats with choice of blocks for 5 mL to 50 mL (0.2ml tubes or strips, 0.5, 1.5, 2, 5, 15, 50 mL tubes, 96, 384 well plates) and should have both vortex and mixing functions with radius of 1.5 mm and mixing speed ranging 300 to 3000 rpm. • System should be programmable for temperature and time with capability to store 20 programs and should have a temperature control range from 15 °C below RT to 100°C with temperature settings ranging from 1°C to 100°C with accuracy of ±0.5°C at 20 – 45°C • System should possess automatic block recognition and set to its maximum speed limit • The quotation should be inclusive of fully Autoclavable of variable volume - 0.5-10 µL, 10-100 µL & 100-1000 µL • Warranty – at least 2 years. 	1

2. Specifications and allied Technical Details

As per Annexure-I

3. **Format of Quotation** (tick appropriate box)

It is a single bid; please give all technical specifications and price bid in one envelope.

OR

~~It is a two-part bid with separate techno-commercial and price bids. Please see item 1.12 of instructions for method of bidding.~~

4. The Bid should be submitted through e-procurement:

<https://eprocure.gov.in/eprocure/app>

5. Quotations should be valid for a period of **60 days** from the closing date of the bid.

6. **Some important dates:**

i.	Pre- bid Conference:	Date: NA	Date: NA
ii.	Last date for submission of bid:	Date: 06/04/2018	Time: 03:00 PM
iii.	Opening of techno-commercial and financial Bid:	Date: 09/04/2018	Time: 11:00 AM

7. **Warranty of 02 years** must be provided.

8. **Excise Duty:** The Institute is exempt from Excise Duty. Please state applicable excise duty as a separate item.

9. **GST:** GST should be charge according to applicable rates (if applicable).

10. **Bid Security: Not Applicable**

11. **Performance Security: Not Applicable**

12. Please go through the enclosed "bid document" carefully for other bidding instruction

13. Please send your quotations through <https://eprocure.gov.in/eprocure/app>

14. For technical details, you may contact

Prof. ANGANA SARKAR
Department of Biotechnology & Medical Engineering
National Institute of Technology, Rourkela – 769 008
Phone: 0661 – 2462295; 9439096256 (mobile)
Fax: 0661 – 2462299
E-mail: sarkara@nitrrkl.ac.in; Sarkar.angana@gmail.com

NB: Please furnish your Dealership Certificate (must) and Proprietary Nature Certificate (If applicable)



NATIONAL INSTITUTE OF TECHNOLOGY ROURKELA – 769 008, ORISSA

BID DOCUMENT

1. Instructions to the bidders:

- 1.1 Bids are invited on behalf of the Director, National Institute of Technology (NIT), Rourkela – 769008, Orissa, from the intending bidders for supply of the goods/stores/ equipments for the Institute as detailed in the enquiry letter.
- 1.2 The bidders should quote their offer/rates in BOQ in clear terms without ambiguity.
- 1.3 In case of any discrepancy between the rates in figures and that in words, the rate in words will be accepted as correct.
- 1.4 The last date for receipt of the bid is marked in the enquiry. In case the above date is declared a holiday for NIT, Rourkela, and the bids will be received up to the appointed time on the next working day.
- 1.5 The bids should be uploaded in <https://eprocure.gov.in/eprocure/app> Please follow the guidelines of the site.
- 1.6 If a prospective bidder requires any clarification in regard to the bidding documents, he may make a request the concerned officer or faculty member at least 7 days before the deadline for receipt of bids.
- 1.7 Bids received after the deadline of receipt indicated in para 1.4 above, shall not be taken in to consideration.
- 1.8 Each bidder shall submit only one bid. A bidder, who submits more than one bid, shall be disqualified and considered non-responsive.
- 1.9 (In respect of high value plant, machinery etc. of a complex and technical nature). The bids may be submitted in two parts, viz., technical bid and financial bid.
- 1.10 The bidder has to sign in full at all pages of the scanned part of the bidding document. No over-writing in those pages is acceptable.

2. Terms and Conditions of the bid:

- 2.1 The rates quoted should preferably be net, inclusive of packing, forwarding, freight, Insurance and all other incidental charges excluding taxes. In case these charges are quoted extra in addition to the quoted rates, the amount thereof or Ad Valorem rate must be specified. Packing, forwarding, freight etc., when quotes separately are reimbursable at actual. If external agencies are employed, their receipts must be enclosed with the invoice.
- 2.2 Duties and Taxes are to be quoted separately. Ad Valorem rates thereof should be clearly indicated with reference to the relevant Acts and Rules.

It may be noted that the Institute is exempt from paying Excise Duty vide Government Notification No. 10/97 dated 01.03.1997 [Registration No.: TU/V/RG-CD (227)/2011, dated 10.10.2011]. GST may be charged at applicable rates.

- 2.3 The goods are required to be delivered at the indenting Department of NIT, Rourkela, and must be dispatched within **30 days** from the date of placement of the supply of order under the risk and arrangement of the bidder and offers with delivery beyond the above period shall be treated as unresponsive. In case the delivery time is higher, the same must be mentioned clearly in the quotation.
- 2.4 The bid should remain valid for a period of **60 days** from the date of opening. In case your offer has a different validity period that should be clearly mentioned in the quotation.
- 2.5 Conditional discount, if any, offered by the bidder shall not be considered at the time of evaluation.
- 2.6 The goods offered should strictly conform to the specification and technical details mentioned in Annexure - I.
- 2.7 The Institute may like to conduct pre-dispatch inspection of goods, where applicable.
- 2.8 Period of guarantee/warranty, where applicable, should be specified in the bid.
- 2.9 If the successful bidder, on receipt of the supply order, fails to execute the order within the stipulated period, in full or part, it will be open to the Director, NIT, Rourkela to recover liquidated damage from the firm at the rate of 1 percent of the value of undelivered goods per month or part thereof, subject to a maximum of 5 percent of the value of undelivered goods. Alternatively, it will also be opened to the Director, to arrange procurement of the required goods from any other source at the risk and expenses of the bidder.
- 2.10 The successful bidder may be required to execute a contract, where applicable.
- 2.11 The bidder has to furnish up to date GST and Income Tax Clearance Certificate along with the bid.
- 2.12 Payment (100 percent) will be made by Account Payee Cheque/Bank Draft, within 30 days from the date of receipt of the goods in good condition or receipt of the bill, commissioning of the equipment, and after successful installation and demonstration where ever applicable, whichever is later/latest.
- 2.13 In the event of any dispute arising out of the bid or from the resultant contract, the decision of the Director, NIT Rourkela shall be final.
- 2.14 The bid document/resultant contract will be interpreted under Indian Laws.

Compact versatile refrigerated Micro centrifuge with accessories for Mixing of PCR setups

- Maximum Speed of at least 30,000xg /17000 rpm, with a brushless motor
- Temperature range should be from -10°C to 40°C, should be able to maintain 4°C at maximum speed
- It should be possible to use aerosol tight rotor, aerosol tightness of rotor should be certified by a third party agency
- Instrument should be able to accommodate 48 number of 1.5/2ml tubes
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- It should be possible to perform a fast pre-cooling of the instrument using a dedicated Fast Temp function
- It should be possible to program fast cooling with preset date and time
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- Rotors under scope of supply:
 - 30 x 1.5/2.0 ml micro centrifuge tube rotor with at least Speed:17,000 rpm.& At least RCF: 30,000xg
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