



NATIONAL INSTITUTE OF TECHNOLOGY
ROURKELA-769008 (ODISHA)
An Institute of National Importance under Ministry of HRD, GOI

NOTICE INVITING TENDER

Tender Notification No: NITR/PW-SR/LS/2019/152 Dated: 14/10/2019

The National Institute of Technology, Rourkela invites bids from the eligible bidders for procurement of **Refrigerated Shaker Incubator**.

Last date of Submission of Bid : **04/11/2019 by 11:00 AM**

Opening date of techno-commercial Bid : **05/11/2019 at 11:00 AM**

For Details: http://nitrkl.ac.in/OldWebsite/Jobs_Tenders/9Equipment/Default.aspx

Contact: Prof. S. Das, Life Science[LS]

Ph: 0661-246-2684;

Email: surajit@nitrkl.ac.in

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

Sd/-
REGISTRAR



**NATIONAL INSTITUTE OF TECHNOLOGY
ROURKELA-769008, ODISHA**

OPEN TENDER NOTICE NO.: NITR/PW-SR/LS/2019/152 DATED: - 14/10/2019

(Procurement of Refrigerated Shaker Incubator)

Sl. No.	Description of Goods/Service	Quantity
01.	Refrigerated Shaker Incubator (Detailed specification as per Annexure – I)	01 unit

1. Quantity required : As mentioned above (All information provided in technical specification)
2. Delivery: Within **60 days** from the date of purchase order
3. Last Date of submission of Bid : 04/11/2019 by 11:00 AM
4. Date of opening of techno-commercial bid : 05/11/2019 at 11:00 AM
5. The firm should not have been black listed at any time.
6. The submission of following bids by the tenderer should be through <https://eprocure.gov.in/eprocure/app> Please follow the guidelines as per the portal.

Procurement of Refrigerated Shaker Incubator
(Open Tender Notice No.: NITR/PW-SR/LS/2019/152, Dated: 14/10/2019) Due on
04/11/2019 by 11:00 AM

7. Liquidated damage clause will be charged for any delay in supply of goods.
8. The validity of the tender shall be 90 days from the date of opening of the bids.
9. Detailed advertisement including all tender documents is also available in our website at http://nitrkl.ac.in/OldWebsite/Jobs_Tenders/9Equipment/Default.aspx
10. NIT reserves the right to qualify or deny prequalification of any or all applicants without assigning any reasons.

REGISTRAR
NIT,Rourkela
Fax No-0661-2462022
Ph. No-0661-2462021

Technical Specification of for Refrigerated Shaker Incubator

1. It should be integrated with incubator and shaker. The glass window should be tempered.
2. The chamber surface should be made of high grade stainless steel.
3. Big LCD display should be provided to show temperature and shaking velocity.
4. Working parameters storage function should be there for easy operations.
5. After power interruption the original program should be automatically renewed.
6. Auto stop function should be provided when the door is opened for sample protection, strong air spring rod should be there for easy opening and closing.
7. The instrument should have atleast two static racks above the shaker platform.
8. The equipment should have heavy duty rubber swivel castor wheels with trolley caster brake
9. The equipment should be supplied with suitable Servo Voltage Stabilizer.
10. The instrument should have the following specifications:
 - Capacity : Not less than 200L
 - Consumption : 500W - 600W
 - Rotary Speed : 20-250rpm
 - Rotary Speed Precision: ± 1 RPM
 - Vibration Range : Not less than 26mm
 - Temp Control Range : +5 to 50°C
 - Temp Control Precision: ± 0.1 °C
 - Temp Stability : ± 0.1 °C
 - Timing Range : 0-999 hours
 - Power Supply : 220V $\pm 10\%$, 50Hz
 - Shaker clamps : Minimum 500ml*9/ 250ml*12 (down layer)
 - Display : Large LED display
11. The instrument should be provided with an accessory for doing incubation with dry bath with the following features and specifications:
 - Very high temperature uniformity and accuracy of the range
 - Stability @ 100 °C : ≤ 0.5 °C
 - Uniformity: within the block@ 37 °C: ± 0.2 °C
 - Across similar blocks @ 37 °C: ± 0.3 °C
 - Minimum Temperature Control Range: RT+5 °C ~ 100 °C
 - Heating time (25 °C to 100 °C): ≤ 20 min
 - Display Accuracy / Display: 0.1 °C / LED
 - Timing Range : 1 min ~ 99h59min
 - Block Quantity : Atleast 2 (35x2.0 ml tubes and 35x 1.5ml tube)
12. The instrument should be supplied with an Ice Making Machine with the following specifications:
 - Minimum Ice making capacity (kg/24h) : 30 or more
 - Minimum Ice storage capacity(kg) : 10
 - Ice shape : Irregular small granular snowflake crushed ice
 - Noise : ≥ 55 dB
 - Input current(w) : Maximum 325
 - Ambient Temp. : 10~25°C

- Water Temperature : around 10°C
- Power Supply : AC220V±10%,50/60HZ;
- Refrigeration type : Should be Air cooling
- Tank shell : High quality stainless steel
- Refrigerant : CFC-free/R134a
- Standard Accessories :Water inlet pipe*1,
Drainage pipe*1, Ice spoon*1

Others

- A complete design along with clear indication/markings of specifications mentioned in the technical bidding document (wherever possible) of the instrument must be provided with the bidding document
- Warranty: Minimum 3 year standard warranty from the date of installation. Offers from Authorized agents of Foreign Manufacturers should accompany Principal's Authorization letter mentioning our Tender Reference Number.
- Scanned copy of technical brochure and website reference of the same must be included in the bid. The specification mentioned in the bid document must tally with the technical brochure.
- Technical specification of the instrument with "Yes/No" format against each specification will not be considered a technical bidding document. A separate compliance sheet of technical specification with specific value of the equipment along with the deviation must be included.
- Detailed User List with the concerned person's valid contact details, in India or abroad where instrument is still in operational condition must be provided.
- The ordered goods are required to be installed within 30 days of receipt of goods at this Institute. Installation should be carried out only by expert engineers of Supplier / Manufacturer. During the course of installation, necessary training on operation and maintenance of the goods shall be imparted to Institute's Faculties / Engineers / Technicians. Installation and training must be free of cost
- During the course of evaluation, NIT Rourkela, may, at its discretion ask the bidder for clarification of its bid. The request for clarification and the response shall be in writing / email and no change in prices or substance of the bid shall be sought, offered or permitted.
- Prior installation conditions / site preparation / electrical connection required must be clearly mentioned in the quotation along with technical bidding documents
- Prices of additional / optional items not appearing in the BOQ, if any, shall be quoted in a separate PDF file, duly signed by Bidder's authorized person/persons.
- If any component/ additional instrumental unit/consumables which is required for smooth running of instrument is made in India that must be quoted in INR. Anything which is of Indian origin must be quoted in INR.
- The comparison between the indigenous and the foreign offers shall be made on FOB destination basis and CIF / CIP basis respectively
- In case optional items are specified in the tendered specifications, the Purchaser reserves the right to buy or not to buy the optional items. In case the option is

exercised to buy the optional items after Bid opening, then the cost of optional items would be included to ascertain the Lowest Evaluated Responsive Bid. In case, the option is exercised not to buy the optional items, then the cost of the optional items would not be included in ascertaining the Lowest Evaluated Responsive Bid.

- The quotations are liable to be rejected if any of the above conditions are not complied with or there is any violation of GFR17 rules and regulations. Conditional Bids shall not be accepted.
- The Bidder shall bear all costs associated with the preparation and submission of its bid, and "the Purchaser", will in no case be responsible or liable for these costs, regardless of the conduct or outcome of the bidding process.
- Note: Where there is no mention of packing, forwarding, freight, insurance charges, taxes etc., such offers shall be treated as inclusive of all these expenses
- In all regards, the GFR17 rules and regulation will be strictly followed

For goods manufactured in India

- (i) The price must be mentioned with clear demarcation at every stage such as instrument price, discount, GST calculated, packing and forwarding, transport, insurance whichever is applicable.
- (ii) The delivery up to NIT Rourkela is solely bidder's responsibility
- (iii) GST at applicable rates, which will be payable on the goods if the contract is awarded. Bidders are requested to calculate GST @5% (in this regard necessary documents will be provided to the awardee bidder at the appropriate stage)
- (iv) Charges for inland transportation, insurance and other local services required for delivering the goods at the desired destination must be mentioned in the bid.