



National Institute of Technology

Research and Development Cell

(Established by Ministry of Education, Govt. of India)

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Dr. Prases Kumar Mohanty
Dean In-Charge (R&D), Assistant Professor

Date: 27/04/2021

NIQ NO: BT/PIKL/EQUIPMENT/2020/SERB/ 53

SUBJECT: Notice inviting quotation of Equipment: BIO SAFETY CABINET CLASS II A2 & CO2 INCUBATOR etc.....

Dear Sir/Madam,
The Director, NIT Arunachal Pradesh, invites quotation for supply and installation of with accessories for Department of BT as per details at ANNEXURE-I. The quotation is to be submitted in double bid as per format at Annexure II and addressed to Dean, **Research and Development**, National Institute of Technology Arunachal Pradesh, The quotation must be submitted on or before 17th May 2021, 03:00 PM. For any technical clarification please send mail to pkmohanty30@gmail.com & kimjolly.lhouvum1@gmail.com.

TERMS & CONDITIONS:

- 1. Rates:** Rates quoted for indigenous items should be on **FOR NIT Arunachal Pradesh, on DOOR DELIVERY basis**, with break-ups as per details indicated in the bid format at **Annexure II**. Vague terms like "packing, forwarding, transportation etc. extra" without mentioning the specific amount will not be accepted. In case of a mismatch, the rates written in words will prevail.
- 02. Important date, time and place:**
 - (a) Last date & time of submission:** 18th May 2021, 03:00 PM
 - (b) Date & time of opening:** 19th May 2021, 04:00 PM.
 - (c) Place of opening quotations:** **Research and Development Section, NIT Arunachal Pradesh**
 - (d) Late and delayed tender:** Late and delayed tender will not be accepted.
 - (e) Unscheduled Holiday:** In case any unscheduled holiday occurs on the prescribed closing/opening date the next working day shall be the prescribed date of closing/opening.
- 03. Validity of Quotation:** Quoted rates must be valid for **60days** from the last date of submission of quotation.
- 04. Warranty:** The quoted item, in case of equipment and components, must be warranted for a minimum of one year.
- 05. Literature a must:** In case of equipment printed technical leaflet/literature must be submitted. The model and specifications quoted should **invariably be highlighted** in the leaflet/literature for easy reference.
- 06. Vendor detail:** Vendor and their nearest service centre details must be provided as per format at **Annexure III**
- 07. Dealership Certificate:** Dealers or Agents quoting on behalf of Manufacturer must enclosed valid dealership certificate.
- 08. Quality Certificates:** Valid certificate to prove that the products are genuine and of International standard, as applicable must be enclosed.
- 09. Delivery:**
 - a) Time Limit:** Maximum within 30 (Thirty) days from the date of issue of purchase order.
 - b) Safe Delivery:** All aspects of safe delivery shall be the exclusive responsibility of the vendor. At the destination site, the package will be opened only in the presence of NIT user/representative and vendor's representative. The intact condition of the package and the seal/indicators for not being tampered with shall form the basis for certifying the receipt in good condition.
 - c) Insurance:** The supplier is to establish 'All Risk Transit Insurance' coverage till door delivery at NIT Arunachal Pradesh.
 - d) Part Delivery:** Part delivery is not allowed.
 - e) Penalty against delay delivery:** The date of delivery should be strictly adhered to otherwise the Director, NIT-AP **reserves** the right not to accept delivery in part or full.
- 10. Genuine Pricing:** Vendor is to ensure that quoted price is not more than the price offered to any other customer in India to whom this particular item has been sold, particularly to NIT/Institutes and other Government Organization.
- 11. Conditional tenders not acceptable:** All the terms and conditions mentioned herein must be strictly adhered to by all the vendors. Conditional tenders shall not be accepted on any ground and shall be rejected straightway. Printed conditions mentioned in the tender bids submitted by vendors will not be binding on NIT-AP.
- 12. Road Permit:**
 - (a) Road permits:** Road Permits (Waybills) shall be issued as applicable for delivery of materials against receipt of Order Acknowledgement and Proforma Invoice.
- 13. GST:**

(a) Up-to-date Sales Tax clearance certificate, GST Registration Certificate indicating also the GSTIN number of the firm must be clearly mentioned in the quotation, Certificates must be enclosed.

(b) GST Deduction at source as per Order/notification of the Govt. of India will be applicable.

(c) GST No of NIT Arunachal Pradesh is 12AABAN3369B1Z3

(d) HSN/SAC No of the items must be clearly mentioned in the quotation along with GST No.

(e) As per Notification No. 45/2007-Central Tax (Rate) dated 14.11.2017 and 47/2017-Integrated Tax (Rate) dated 14.11.2017, issued by Ministry of Finance, NIT Arunachal Pradesh will avail 5% GST rate, on the items, as mentioned in the notification.

14. Payment:

(a) 100% Payment within 45 days from the date of successful delivery, installation and commissioning/ acceptance of goods at NIT Arunachal Pradesh, generally through A/c payee cheque. OR

(b) 90% Payment against delivery and 10% payment after successful installation and/ or commissioning of the ordered goods at site. *(Please note as per Institute's norm advance payment is not allowed for indigenous purchase).*

15. Enquiry during the course of evaluation not allowed: No enquiry shall be made by the bidder(s) during the course of evaluation of the tender till final decision is conveyed to the successful bidder(s). However, the Purchase Committee or its authorized representative (NIT Arunachal Pradesh) can make any enquiry/seek clarification from the bidders. In such a situation, the agency shall extend full co-operation. The bidders may also be asked to arrange demonstration of the offered items, in a short period notice, as such the bidders have to be ready for the same..

16. Performance Bank Guarantee

If PO value is above Rs.5 Lakhs, the successful bidder, to whom the PO is placed, shall furnish an unconditional Performance Bank Guarantee from a scheduled Bank of India, for 10% of the Purchase Order value, within 21 days of placement of order. Other normal Institute guidelines on PBG shall apply in this case.

17. Acceptance of quotations: The acceptance of the quotation will rest solely with the Director, NIT-AP, who in the interest of the Institute is not bound to accept the lowest quotation and reserves the right to himself to reject or partially accept any or all the quotations received without assigning any reasons.

18. Force Majeure:

If the performance of the obligation of either party is rendered commercially impossible by any of the events hereafter mentioned that party shall be under no obligation to perform the agreement under order after giving notice of 15 days from the date of such an event in writing to the other party, and the events referred to are as follows:

- I) any law, statute or ordinance, order action or regulations of the Government of India,
- II) Any kind of natural disaster, and
- III) Strikes acts of the Public enemy, war, insurrections, riots, lockouts, sabotage.

19. Termination for default: Default is said to have occurred

(a) If the equipment or any of its component is found having poor workmanship, faulty designs, poor performance and bad quality of materials used.

(b) If the supplier fails to deliver any or all of the services within the time period(s) specified in the purchase order or any extension thereof granted by NIT.

(c) If the supplier fails to perform any other obligation(s) under the contract.

(d) Under the above circumstances NIT may terminate the contract / purchase order in whole or in part. In addition to above, NIT may at its discretion also take the following actions: NIT may procure, upon such terms and in such manner, as it deems appropriate, goods similar to the undelivered items/products and the defaulting supplier shall be liable to compensate NIT for any extra expenditure involved towards goods and services obtained. Besides, the Director, NIT-AP, and reserves the right to impose any other form of penalty as deemed fit including blacklisting of the vendor.

20. Applicable Law:

(a) The contract shall be governed by the laws and procedures established by Govt. of India and subject to exclusive jurisdiction of Competent Court and Forum in Arunachal Pradesh or India only.

(b) Any dispute arising out of this purchase shall be referred to the Director NIT Arunachal Pradesh, and if either of the parties hereto is dissatisfied with the decision, the dispute shall be referred to the decision of an Arbitrator, who should be acceptable to both the parties, to be appointed by the Director of the Institute. The decision of such Arbitrator shall be final and-binding on both the parties.

P.K.M.
27/04/2024

Dr. P.K Mohanty
(DIC) R&D

NIT- A.P Yupia-791112

ANNEXURE –I
TECHNICAL SPECIFICATIONS

Name of Equipment:

Sl. No.	Description of Items	QTY
01	Bio Safety Cabinet Class II A2	01
02	CO2 Incubator	01
03	Refrigerated centrifuge	01
04	Upright microscope with camera	01
05	Steam Sterilizer (Autoclave)	01

ANNEXURE –II

FORMAT FOR QUOTATION/BID

Name of Item :
Quantity :
Ref. :

S.N.	Description of item quoted	Qty	Price
	Total Basic Price		
	Packing and forwarding charge (as applicable)		
	Transportation & Insurance Charge (upto Kolkata for foreign vendor), if any		
	Domestic freight and insurance(Kolkata to NIT-AP for foreign vendor), if any		
	GST, if any		
	Installation & Commissioning Charge, if any		
	Any other charge/s		
	Grand Total F.O.RNIT-AP		
	AMC Rate: Rate of AMC after the warranty period		

Sign. :.....
Vendor: M/s.....

Official seal of the vendor

ANNEXURE –III

NIQ ref:

Date:

BIDDERS DETAIL

Sl. No.	Name of the company/Firm	To be filled by vendor (Documentary Proof must be attached as applicable)
01	Registered office Name & Address Contact person Name Designation Telephone number E-mail	
02	Name & Address of service centre in or nearest to Guwahaticity Contact person/s Name Designation Telephone number E-mail	
03	Is the company/firm a registered company/firm? If yes, mention year and place of the establishment of the company and submit documentary proof.	
04	Is the company/firm registered for GST? If yes, submit valid certificate.	

Sign. :.....
Vendor: M/s.....
Official seal of the vendor

ANNEXURE –IV

COMPLIANCE CERTIFICATE
(A certificate of compliance to NIQ term to be enclosed)

Certify that we have carefully examined the NIQ terms and fully understood its implications and do hereby agree to comply with all the terms, and hereby submit this compliance certificate.

Sl. No.	General Terms and Conditions	Yes / No
01	Details of the technical features of the offered equipment vis-à-vis NIQ specification	
02	Rates quoted as per instruction	
03	Standard Technical literature on each of the items offered	
04	Warranty period agreed	
05	AMC rates provided as instructed	
06	Validity period of quoted rate agreed	
07	EMD submitted (as applicable)	
08	Tender Fee Submitted.	
09	PBG term agreed	
10	Delivery terms agreed	
11	Certificate of Up-to-date Sales Tax clearance, GST Registration Certificate provided	
12	Payment term agreed	
13	Penalty clause for delay agreed	
14	Literature- Printed Literature with highlight and tag on the quoted item provided	
15	Manufacturer/Authorization certificate submitted	
16	Quality certificate as claimed submitted	
17	After Sales Service term agreed and detail address & contact provided	

Sign. :.....
Vendor : M/s.....

Official seal of the vendor

ANNEXURE –I

TECHNICAL SPECIFICATIONS

Sl. No.	Description of item required by NITAP	Qty
1	<p>Bio Safety Cabinet Class II A2 Working size should be 4*2*2 ft Cleanliness Level should be ISO CLASS 100 as per ISO 14644-1 Direction of Flow should be Vertical Air Balancing: 70% re-circulation and 30% exhaust Particle Retention should be 0.3 Micron & above System should have 100 FPM ± 20 Inflow Velocity Down Flow Velocity should be 80 FPM ± 20 Noise level: 65 decibel on “A” scale ± 5 Pressure Differential: Digital Display Gauge Ultra violet lamp: PHILIPS – make Illumination: LED Light fittings Power Supply: 230V, Single phase, 50 Hz The Cabinet should be made from Galvanized Iron 18 SWG sheet metal with polyurethane paint coated finish System should have under-bench support-stand made of heavy duty square pipes – MS with PU coated finish respectively System should have Removable type tabletop working Table, made of perforated IS 304 Grade SS with satin finished, underneath should be provided with drain-pan to collect & dispose of liquid wastes. The front edge of the working table should be curve finished and perforated for comfortable arm resting.</p> <p>Front Sash should be made of clear 5 mm Polycarbonate sheet - vertical sliding, UV Lamp should be cut “OFF” when door is open and while closing the door UV Lamp should be “ON” automatically.</p> <p>The sidewalls should be made from double layered outer GI & inner stainless steel with return-air plenum in between. Edges should be perforated to avoid entry of room air into the work zone and exit of contaminated air in to the room and such contaminated air should be sucked through this full height perforation at the edges of the sidewalls.</p> <p>HEPA Filter should be as mentioned below: Media: Ultra clean glass fiber paper – imported Supply Air & Exhaust: Type Mini-Pleated constructions Retention: 0.3 Micron Efficiency: 99.999% Pressure drop: 12 mm WG Grade: H14 rating</p> <p>PRE Filter should be as mentioned below: Media: Non woven - synthetic polyester Retention: 10 - 15 micron Efficiency: 90% Pressure drop: 6 mm WG</p> <p>System should have outer rotor type motor blower supply air blower.</p> <p>The exhaust air should be sending out through an exhaust duct made of 150 mm dia rigid PVC pipe up to 10 feet length. Suitable canopy will be provided at the end of the duct.</p> <p>Soft touch switch pads should be provided for blower, should have UV & Daylight lamp, UV / Door integration Apart from an independent control switch, the closing / opening operation of front door is integrated with the UV on / off. The UV should automatically switch “off” when the front doors opened; likewise, the UV should switch “on” automatically when the door is closed to avoid accidental exposure of UV rays to the users’ as UV rays are harmful to the skin</p>	1

	Standard Accessories Additional power point 5 /15 Amps – 1 No., Air/Gas inlet nozzle, Floor levelling screws & wire chord etc.	
2	<p>Refrigerated Tabletop Centrifuge Speed should be up-to 15,300 rpm with RCF [x g]: 21,913 Capacity: Maximum 4x85ml with Fixed Angle Rotor and 4x100ml with swing out rotor Temperature: -10°C to +40°C Electromechanical lid opening with Single knob operation Acceleration and deceleration curves 10 with Graphic display Up to 50 users program Rapid cooling program facility, Start delay option, Short run function with display of run time in seconds Low noise level -≤ 53 maximum speed (approx. dB) Automatic rotor identification should be available to prevent overspeed operation Zero-maintenance brushless induction motor Automatic imbalance monitoring Easily cleaned stainless steel chamber Window in lid for independent speed checking Centrifuge should be quoted with Angle rotor 24 x 1.5/2.0 ml with Max. speed 15,300 rpm and Max. RCF 21,460 x g and Angle rotor for 6 x 50 ml falcon tubes speed- 12,000 rpm, Max. RCF- 15,294 xg with adapter for 15ml conical tube. The system should be CE and RoHS certified product and should be produced in compliance with the latest national & international standards (e.g EN 61010-2-020). 01 year on site warranty should be provided.</p>	1
3	<p>CO2 incubator Fully Microprocessor controlled direct heat air jacketed CO₂ Incubator Operated on 220-230V/50-60Hz Capacity should be not less than 170 Lit Temperature range should be Amb +3°C to 60°C Temperature control: +/- 0.1°C Temperature uniformity: <+/- 0.2°C Temperature recovery time: 6 min. to 98% of set value after 1 min. door opening CO₂ range: 0-20% CO₂ control: +/- 0.1% Microprocessor controlled soft-touch operating panel Should be IR CO₂ sensor CO₂ recovery time should be less than 8 min. to 98% of set value after 1 min. door opening Humidification method: Vaporization of water in humidity pan over bottom heater Humidity range should be more than 95% RH Seamless chamber is made of shiny stainless steel type 304 with all rounded corners Main body is electrogalvanized steel with ISOCIDE antimicrobial coating Should have provision for Moist 90 °C decontamination cycle completes within 21 hours (overnight) ULPA filter (99.999% efficient,) creates ISO Class 5 conditions in chamber following door closing to prevent contamination ISO Class 5 chamber air cleanliness significantly reduces possibility of contamination transport from chamber surface to sample, and between samples All gas inputs should have filtered via 0.2 micron in-line filter</p>	1

	<p>Instrument should have provision for alarm before atleast 7 days for empty of gas cylinders</p> <p>Gentle forced convection shuts off when outer door opened to minimize loss of chamber temperature and CO2</p> <p>The incubators should have provision for stacking in future.</p> <p>1 no Ttwo stage SS regulator should be supplied with the incubators from local source</p> <p>Should be atleast TWO YEARS Complete Warranty</p> <p>Should have ISO, CE, UL etc international standard certification.</p> <p>The instrument should be supplied complete with a 31kg CO2 Cylinder with two stage CO2 regulator.</p>	
4	<p>Upright microscope with camera</p> <p>It should be Trinocular microscope</p> <p>LED illumination with battery back-up</p> <p>It should have adaptor for camera (about 15mega pixels)</p>	1
5	<p>Sterilizer (autoclave)</p> <ul style="list-style-type: none"> -portable, capacity of 16 litres -preset automatic, fully ss304 304, seamless die pressed -easy twist and lock lid, supplied with dressing -digital controller cum timer and 20% electricity saving -does not heat up the room, Ø 270x Ø 220mm drum and spare gasket -Max operating parameters 15psi/121 degree celcius -usable inner dimension: Ø300x230mm -outer dimension: Ø 495x460x475mm 	1

