

TENDER DOCUMENT

Supply and Installation of Laboratory Equipment



Regional Plant Resource Centre

Ekamra Kanan, Nayapalli, Bhubaneswar-751015



REGIONAL PLANT RESOURCE CENTRE

Nayapalli, Bhubaneswar-751015, Odisha

FOREST & ENVIRONMENT DEPARTMENT, GOVERNMENT OF ODISHA

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Advt. No.

/RPRC

Dt.08/07/2016

TENDER CALL NOTICE FOR SUPPLY OF LABORATORY EQUIPMENTS

Sealed tenders are invited from authorized manufacturers/distributors/ dealers/ agents/ firms having valid VAT / CST registration for supply of laboratory equipments. The technical specifications, other terms and conditions and formats are available in the website www.rprcbbsr.com, which can be downloaded for use. Interested parties may submit their tender super-scribed “Tender for supply of Laboratory equipments” to the undersigned through speed post/ Registered Post/Courier service, which should reach the undersigned on or before 2nd August, 2016 (5.00 PM) positively. Incomplete tenders and tender documents received after the due date and time will not be considered. The undersigned reserves the right to reject any or all the tenders without assigning any reasons thereof.

CHIEF EXECUTIVE

Terms and Conditions for supply of Laboratory equipment

1. **Sale of Tender paper:**

The tender papers, containing the detailed specifications of equipments, list of documents to be submitted etc. will be available at Regional Plant Resource Centre, Bhubaneswar from **14th July, 2016** (during the office hours only), on payment of a non-refundable fee of Rs. 420/- (Rs. 400/- +VAT@5%) in cash or in shape of pay order/demand draft drawn in favour of Chief Executive, Regional Plant Resource Centre (RPRC), payable at Bhubaneswar. The same can also be downloaded from our website www.rprcbbsr.com and in such a case, the cost of tender paper is to be enclosed in shape of D.D/Bankers cheque drawn in favour of Chief Executive, RPRC, payable at Bhubaneswar along with the tender. For each equipment, separate tender should be submitted. The cost of tender paper and EMD (Rs.2,000/-) for each equipment should be submitted separately in shape of Demand drafts. In case of any bid amendment and clarification, responsibility lies with the bidders to collect the same from the notice board/ website of RPRC before last date of submitting the tender document. Non-payment of cost of tender paper and EMD will amount to rejection of the tender.

2. The last date of receipt of tender documents in this office by Speed Post/ Registered Post/ Courier Service is **2nd August,2016 (up to 5.00 PM)**. The Technical bids will be opened by the Tender Committee of RPRC on 3rd August,2016 (at 11.00 AM) in presence of the authorised representatives of the tenderers who like to be present at that time. The date of opening of the financial bids of technically qualified tenderers shall be communicated to them in due course of time.

3. **Bid Price:**

- a) The tender should be submitted in two bid system i.e, “Technical bid” and “Financial bid”. Financial bid contains only the price bid as per Annexure-II and Technical bid contains all other documents as per the tender terms along with EMD and cost of tender paper in appropriate shape. The technical bids containing information on price, directly or indirectly, will be liable for rejection. The technical bid and financial bid will be submitted in two separate envelopes clearly mentioning on top of the envelope “Technical bid” and “Financial bid” respectively and both of these should be placed in a big envelope marked “Tender for Laboratory equipment (Name of equipment) for RPRC.
- b) Requirements and specification of equipments is enclosed in Annexure I.
- c) The format for submission of price bid is given in Annexure II, which will be used at the time of submission of tender.
- d) Quoted rates shall include all taxes, freight, packing, transit insurance, forwarding, custom clearance, transportation, installation in RPRC, Bhubaneswar.
- e) The clearance of all imported equipment will be done by the Vender only. RPRC will release original necessary documents if require.
- f) Sales Tax/VAT and any other local taxes as applicable should be clearly mentioned separately in terms of percentage and amount in price quotation.
- g) No conditional price will be taken into consideration.
- h) The rates quoted by the bidder shall be valid for a period of 90days from the date of submission of tender.

4. Eligibility Criteria

- a) Submission of price as per prescribed format.
- b) Copy of VAT/CST registration certificate and up to date VAT/CST clearance certificate.
- c) Tender paper cost.
- d) Required EMD.
- e) Alternative price for any item will not be allowed, for which tender would be rejected.
- f) Copy of PAN to be submitted.
- g) Undertaking that the firm has not been blacklisted by any Govt. Organization/Institution.
- h) Undertaking that the quoted item qualifies the required technical specification.
- i) Check list of documents submitted (Should be attached as Annexure IV)
- j) Copy of past performance. (Should be attached as Annexure V)

5. Validity of Tender:

- a) The tender shall remain valid for a period of 90 days after the last date as specified in the tender.
- b) Notwithstanding the above, the purchaser reserves the right to accept or reject any bids and to cancel the bidding process and rejects all bids at any time prior to the issue of Purchase order.

6. Issue of Purchase Order:

- a. The purchase order will be placed on the qualified bidder whose bid will be selected by the purchaser prior to expiry of the bid validity period. The terms of the accepted offer shall be incorporated in the purchase order.
- b. The delivery should be completed within 60 days from the date of receipt of the confirmed purchase order as per the quality and specification of the equipment.
- c. The packaging should be done in such a way that the quality of the equipment is not damaged.
- d. At the time of inspection if any item is found not as per the order the firm will replace the same immediately other wise payment will not be released for defective items.
- e. Irrevocable Letter of Credit (LC) for 100% cost of the equipment shall be opened in the supplier's Bank for imported equipments and 90% of the cost of the equipment(CIF: Bhubaneswar) shall be released on receipt of despatch documents through Bank; balance 10% shall be paid on successful installation and demonstration of the equipment in RPRC Lab.
- f. In case 100% payment is requested by a foreign Principal against despatch of goods, its Indian agent has to submit a Bank Guarantee equivalent to 10% of the invoice cost.
- g. Any effort by a bidder to influence the purchaser in its decision on bid evaluation or placement of purchase order may result in rejection of the bidder's offer.
- h. If the selected firm fails to execute the order the EMD would be forfeited and action would be taken to blacklist the firm.
- i. Any legal dispute arising out of this is subject to Bhubaneswar jurisdiction only.

(Chief Executive)
Regional Plant Resource Centre
Bhubaneswar

Annexure-I

GENERAL DESCRIPTION OF THE EQUIPMENT

Name of manufacturer	Make and model	Catalogue No.	Technical specification	Warranty period	Name of Dealer

Annexure-II

DETAILED TECHNICAL SPECIFICATION AND COST				
Sl. No.	Part No.	Technical specification	Quantity	Cost
Ex-Works price				
Less discount, if any				
Taxes if any				
Total Ex-Works price				

TECHNICAL SPECIFICATION OF LABORATORY EQUIPMENTS

	Name of Equipments	Specifications
1.	CO₂ INCUBATOR	<ol style="list-style-type: none">1. Capacity : 1.7cu. ft. / 48 Lt. or more2. CO₂ range: 0.2-20% ($\pm 0.1\%$ control)3. CO₂ stability at 5% CO₂: $\pm 0.2\%$ stability.4. CO₂ uniformity: $\pm 0.1\%$5. Temp. range: 4°C above ambient to 50°C with temp. control: $\pm 0.1^\circ\text{C}$6. Temp. stability at 37°C: $\pm 0.1^\circ\text{C}$7. Temp. uniformity: $\pm 0.3^\circ\text{C}$8. No. of Shelves- More than 3 with Stainless removable rack & shelves.9. Six-sided direct heating to ensure stable Temp. control, excellent uniformity.10. Fanless design to increase usable chamber space & simplified cleaning.11. Infrared [IR] CO₂ Sensor to provide superior accuracy and stability.12. High Humidity: Dry Wall Chamber to achieve 95% RH to minimizing sample evaporation. Independent door heater to eliminate condensation on inner glass surfaces.13. 72-Hour Data Storage. CO₂ concentration, temp., alarms and door openings to record automatically for on-screen display.14. High-Temp. Decontamination should be able to use 120°C dry heat to decontaminate the chamber, all internal sensors, racks & humidity pan.15. CO₂ Sensor Auto-Zero to adjust baseline automatically for optimum accuracy. User-programmable.16. Seamless Chamber, Rounded corners and external front flange to prevent contamination and simplify cleaning.17. Audio/ Visual alarms, with programmable alarms for CO₂ and temp. set points, delays & duration.18. Separate Over-Temp. Cutout to prevent over-heating condition, in event of a control failure.19. Non-Volatile Memory.20. HEPA Filter on CO₂ Inlet to provide added protection from potential contamination sources.21. Two-Stage ISI mark CO₂ Gas Regulator (local source/brand) with CO₂ gas cylinder with 99.99% purity CO₂ Gas(local source/brand)22. Warranty- 1 Year

2	ULTRA LOW TEMP. FREEZER	<ol style="list-style-type: none"> 1. Internal Capacity: 400 Lt. to 500 Lt. 2. Compartments and Shelving: 5-compartments with 4-adjustable heights, stainless-steel shelves. Each shelf should accommodate 3-racks. i.e.15 racks altogether. 3. Insulation: Polyurethane foam, 5-6", 130 mm thick 4. Exterior: 18 gauge steel 1.2 mm thick. Powder coated, scratch and rust resistant and Interior: Top-quality, polished 304L stainless steel 5. Five Insulated Inner Doors: Latchable doors lift off stainless-steel hinges 6. Heated Air Vent: Prevent vacuum formation 7. Temp Range: to -86°C Programmable, in 1°C increments, at ambient temp. up to 32°C with the pull down time from ambient to -85°C is 5-5.30 hours 8. Access Ports: Two pass-through ports 9. Control: Microprocessor-controlled temperature and alarms with non-volatile memory 10. Alarm system: Need to the Temp., battery operated activate alarms and to display Temp. during power outages. 11. Audible & Visual Alarms: High/low Temp., power out, system fail, battery low, filter clean and fault analysis. LED lamp for remote control operation 12. Built in Diagnostic Software to provide fault codes to trace and solve system errors 13. Digital Password: For Temp. setpoint and alarms, to prevent unauthorized changes 14. Separate on-off switch to be provided for cleaning/servicing/thawing 15. Cascade Refrigeration: Hermetically-sealed two-stage cascade system to cope in high-ambient conditions 16. Compressor: Low-noise within 52-55dB, heavy-duty & commercially-available 17. Refrigerants: CFC-free and HCFC-free 18. Door Latch: Molded handle with built-in removable lock. 19. Sample capacity: Holds up to 24,000 tubes or more 20. Warranty: 1 Year
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3	INVERTED MICROSCOPE FOR CELL CULTURE	<ol style="list-style-type: none"> 1. The microscope should be a compact one that could be placed right inside the Laminar Flow Box and designed for the cell culture work 2. It will be used to efficiently examine unstained cells in phase contrast and should be upgradable to GFP-labeled cells in fluorescence contrast. 3. Switch over from phase contrast to fluorescence contrast by just switching the contrasting technique directly at the stand. 4. The system should turn off the light automatically (in addition to manual ON/OFF-function) after 15 minutes to save energy and prolong lifetime of the bulb. 5. Modular illumination with halogen light, 6 V, 30 W 6. Objective change - Manual via quadruple objective nosepiece 7. Infinity-corrected objectives Plan-Achromat: 4X / 0.1 Ph0, 10 X / 0.25 Ph1, LD Plan-Achromat: 20X / 0.3 Ph1 8. Universal phase slider for the objectives 9. Specimen stage should be wider in mm with stage insert 10. Binocular phototube 45°/ FOV 20 (50% vis:50% doc) 11. Interpupillary distance adjustable from 48 to 75 mm 12. Viewing height- 360 to 397 mm 13. Eyepieces 10x/20x 14. LD condenser 0.3 (WD=72mm) 15. For easy inspection of living cells (without having to look through eyepieces), the system should be upgradable later with a LCD monitor (8.4", 800 x 600 pixel, Camera - 5 Megapixel CMOS), that can be tilted from 45° up to 80°. 16. Warranty: 1 year <p><u>Optional Items:</u> Suitable camera and compatible adaptor</p>
4.	BIO SAFETY CABINET	<ol style="list-style-type: none"> 1. Size: 4 ft. x 2 ft. x 2 ft and more 2. Outer MS & SS work table 3. Two High Efficiency HEPA Filters 99.999 % Efficient and For filtration of particulate >0.3 micron. 4. Noise Level: 50 decibels. 5. Vibration: 20 micron PP. 6. Provided with two pre-filters. 7. UV tube at work area, 1 no. of 1,100 Lux. 8. Provided with Static pressure inclined manometer. 9. Cock for Gas and/or Vacuum Line. 10. Fluorescent tubes Illumination: 750-800 Lumen. 11. Inbuilt Blower assembly. 12. Fan/Motor: Direct Drive, forward curve centrifugal type with sealed bearing rated for continuous duty. 13. The filter seat has rubber padding for a perfect rubber to rubber sealing. 14. The pre filters have efficiency of 90% down to 10 micron particle size. 15. Warranty: 1 year

