



**Department of Human Physiology
Tripura University (A Central University),
Suryamaninagar-799130, Tripura (West), India**

Ref. No. 290/HP/TU/10

Dated:- 08.06.2010

NOTICE INVITING QUOTATIONS

Sealed quotations are invited separately for each instrument from the reputed manufacturers/ authorized dealers for the supply of the following laboratory equipments under **UGC development Grant** so as to reach to the office of the undersigned on or before 15.07.2010. Details can be seen below. The University reserves the right to accept or reject any or all quotations without assigning any reason thereof.

(Dr. Debasish Maiti)

Head in Charge

Department of Human Physiology,
Tripura University (A Central University),
Suryamaninagar,
Tripura (W),
Tripura 799130



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Sl No	Name of the equipments with specifications	Quantity
1.	<p data-bbox="347 737 776 772">Water jacketed CO2 Incubator</p> <p data-bbox="347 810 545 846">Specifications:</p> <ul data-bbox="347 852 1133 1877" style="list-style-type: none">• Chamber capacity 180 -190 litres.• Should be water jacketed. W/J Volume: 43.5 liters• Microbiological filters on all gas inlets and sample port• Enviro-Scan Microprocessor Control/Monitoring System with automatic start-up.• Filtered air exchange condensation control system.• Filtered air exchange condensation control system, allows high humidity conditions while minimizing condensation during fluctuating ambient conditions• Chamber design provides 6.5 cu ft of more usable culture space and can accommodate 17 adjustable shelves• Out Door Gasket: Four-sided, moulded, magnetic vinyl• Inner Door Gasket: Removable, feather-edged, silicone • Temperature :• Control: $\pm 0.1^{\circ}\text{C}$• Range: $\text{Amb}+5^{\circ}\text{C}$ to 55°C• Uniformity: $\pm 0.2^{\circ}\text{C}$ @ 37°C• Tracking alarm: User-programmable high/low• Temperature safety:• Sensor: Precision thermistor• Controller: Independent analog electronic.• Setability: 0.1°C • CO2:• Control: better than $\pm 0.1\%$• Range: 0-20%	01

	<ul style="list-style-type: none"> • Inlet pressure: 15 PSIG (1bar) • CO2 sensor: T/C • Readability: 0.1% • Setability: 0.1 • Humidity : • RH: Amb to 95% @ 37°C <ul style="list-style-type: none"> • Dimensions : • Exterior (H x W x D):39.5" x 26" x 25" • Interior (H x W x D):26.8" x 21.3" x 20" • Selves : Atleast 3 shelves should be supplied • Dimensions: 18.5" x 18.5" • Construction: Perforated stainless steel, 2B finish. • Surface area: 2.4 sq.ft. • Alarm Contacts: Deviation of temperature, CO2, RH, and power failure 	
2.	<p>Cell Storing Liquid Nitrogen Tank and Liquid Nitrogen Carrier Tank</p> <p>Specifications:</p> <ul style="list-style-type: none"> • Should contain at least 30-35 liter nitrogen. • At least 6 canister should be supplied which have more than 120mm height to contain enough number of cryotubes. • Static evaporation rate should be less than 0.1 lit/day • Neck diameter should be 50-55 mm. 	01
3.	<p>Protein Gel Electrophoresis system, Blotting system with power pack</p> <p>Specifications:</p> <ul style="list-style-type: none"> • It should cast and run the gel with at least in 12 lanes • It should give the options of different thickness of the gel • It should be easy to handle and handy instrument. • It should cast and run 2 gels at a time and blot 2 gels at a time. • Wire connections should be very firm and inside of the instrument. 	01 each
4.	<p>Anthropometric Rod</p> <p>Specifications:</p> <ul style="list-style-type: none"> • Should be imported 	01

5.	<p>P late reader for absorbance, immunofluorescence and luminescence with computer and printer</p> <p>Specifications:</p> <ul style="list-style-type: none"> • Should read in small amount like 50µl • Should read in absorbance, luminescence and immunofluorescence mode. 	01
6.	24 channel polysystemography with accesories .	01
7.	<p>Rotary Microtome (With accessories: knife, knife holder for cutting paraffin block)</p> <p>Specifications:</p> <ul style="list-style-type: none"> • Wheel action should be translated into a back and forth movement and block of the specimen being sectioned 	01
8.	<p>Automated Tissue Processor</p> <p>Specifications:</p> <ul style="list-style-type: none"> • It should contain clearing, dehydration and embedding chambers 	01
9.	Vaccum pump	
10.	<p>Ice flaker machine</p> <p>Specifications:</p> <ul style="list-style-type: none"> • Should make ice at least 25kg/day • Power Saving components and energy saving design • Totally safe • Water content control • Stainless steel body • Self standing • Space saver • Auto stop and start • Low noise 	01
11.	<p>TLC Apparatus: Applicator (2mm thickness)</p> <p>Accessories (TLC plate, Drawing board, developing chamber, drying rack)</p>	01
12.	<p>Anthropometer (Imported)</p> <p>Specifications:</p> <ol style="list-style-type: none"> i) Length 0-2100mm (0-950mm) ii) To locate measurements throughout the entire body iii) Supplied in canvas bag iv) Portable, easy to carry field. 	01



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Terms and Conditions:

1. The supply order will be awarded to the vendor based on the merit of the quotation and a suitable procedure adopted by **TRIPURA UNIVERSITY**. The procedure to be adopted for evaluating the quotations shall be final and binding on all the parties.
2. Rates quoted should be on **F.O.R. Tripura University, Suryamaninagar, on DOOR DELIVERY BASIS**. Tripura Govt. Entry Tax, @4% on the total Invoice value is required to be paid by this Institute; and hence the same will be taken in to account while calculating cost of offers made by vendors whose principal suppliers are located outside the State of Tripura.
3. **Delivery:** Delivery of goods at Tripura University, Suryamaninagar, will have to be maximum within **60(Sixty) days** from the date of receipt of the Purchase Order. If a firm fails to deliver the goods within the stipulated time, penalty deduction will automatically come in to force as per details below:

Up to 01(One) week : ½% of the order value	Up to 02(Two) weeks : 1% of the order value
Up to 03(Three) weeks : 1.5% of the order value	Up to 04(Four) weeks : 2% of the order value

After 4th week of delay, the purchase order may get cancelled.

Forced Major Clause - If the execution of the contract / supply order is delayed beyond the period stipulated in the contract as a result on out-break of hostilities, declaration of an embargo's or blockage or fire flood, acts of nature or any other contingency beyond the supplier's control, purchaser may allow such additional time by extending the delivery period as he considers to be justified by the circumstances of the case and his decision shall be final, conclusive and binding. If and when additional time is granted by the purchaser, the contract /supply shall be read and understood as if it had contained from its inception the delivery date as extended.

4. **Payment:** 90% payment shall be paid against delivery, installation and satisfactory performance of all items and balance 10% payment will be made maximum **within 30 (thirty)**

days from the date of successful installation, and acceptance of ordered goods by a duly constituted Inspection Committee, at TRIPURA UNIVERSITY generally through Alc payee cheque. In case payment is to be made by Demand Draft –draft charge will be to the supplier's account.

5. ANNUAL MAINTENANCE CONTRACT (AMC) rates are to be clearly specified, failure to which the quotation will not be considered for evaluation.

6. Currency: QUOTATIONS ARE TO BE IN INDIAN RUPEES ONLY.

7. WARRANTY: Vendors should undertake to provide the Purchaser 2 years unconditional and unlimited, free maintenance service (which will include repair and maintenance of all kits or parts, and supply of spare parts as and when required for smooth functioning of the systems) from the date of installation. The systems supplied should carry 2 years on site / comprehensive warranty from the date of Installation. Date of installation of the ordered equipment will be decided by the Purchaser.

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8. The Registration number of the firm along with the CST/VAT No. allotted by the Authorities, as well as PAN number of the firm allotted by the Income Tax authorities should be submitted, failing which vendor's bid would become invalid and same shall be rejected.

9. Tripura University does not bind itself to purchase any / all the quantity and to accept the lowest tender and reserves to itself the right to increase or decrease the quantity.

10. Tripura University reserves the right to choose, accept or reject any or all requests / offers, in full or part at any stage, reduce or increase the quantity without assigning any reasons therefore. The quantity / number shown in the document is only indicative. Tripura University will not be responsible for any postal losses or delays in submission of documents. The tender documents are non-transferable.

11. Suppliers/ Vendors are free to visit Tripura University Campus, if feel so, before they submit their offers

12. All disputes arising in connection with executing the Purchase Order will be subject to the Jurisdiction of the **Courts** in Agartala only.

Signature of the Registrar
Tripura University

Signature of the Finance Officer
Tripura University

Signature of the Head
Dept. of H. Physiology
Tripura University