

**BHARATHIAR UNIVERSITY : COIMBATORE 641 046**

**No.C7 / 5575 /2018**

**Date: 27.04.2018**

**TENDER NOTICE**

Sealed Tenders are invited by the Registrar, Bharathiar University, Coimbatore 641 046 **up to 3.00 P.M on 15.05.2018** from the reputed firms for the supply of the following equipments for the Dept.of Physics.

S.No	Name of the Equipments	Qty.req.	Tender Fee	EMD
1	Contact Angle Meter	1	788/-	10,000/-
2	Spray Coating unit	1	788/-	6,250/-

Tender documents with schedule can be downloaded from our website : [www.b-u.ac.in](http://www.b-u.ac.in) from **30.04.2018 to 15.05.2018** . Tenders should be submitted along with the **tender cost - and EMD** in the form of DD drawn in favor of the Registrar, Bharathiar University payable at Coimbatore.

**REGISTRAR i/c  
BHARATHIAR UNIVERSITY**

**BHARATHIAR UNIVERSITY –COIMBATORE 641 046**  
**TENDER CONDITIONS AND INSTRUCTIONS FOR THE SUPPLY OF**  
**EQUIPMENTS FOR THE DRDO-NRB PROJECT, DEPT.OF PHYSICS**

1. Sealed Tenders will be received by the Registrar, Bharathiar University, up to 3.00 p.m. on 15.05.2018 for the supply of the following equipments for the DRDO-NRB Project, Dept.of Physics “ as specified in the schedule.

S.No	Name of the Equipments	Qty.req.
1	Contact Angle Meter	1
2	Spray Coating unit	1

2. Tender should be addressed to the Registrar, Bharathiar University and should be only in sealed covers by Registered post/ or in person. Tenders received in ordinary covers without seal will not be considered.

3. The tender cover with Ref.No. should be superscribed as “Tender for the supply of with equipment name separately” for the DRDO-NRB Project, Dept.of Physics. **Due on 15.05.2018.**The covers received without such superscription will be rejected summarily.

4. Tender shall be accompanied with the **requisite tender fee & EMD noted against each equipment in the form of DD drawn in one of the Nationalised Banks in the name of “Registrar, Bharathiar University” payable at Coimbatore. Cheques and Bank Guarantees will not be accepted**

S.No	Name of the Equipments	Qty.req.	Tender Fee	EMD
1	Contact Angle Meter	1	788/-	10,000/-
2	Spray Coating unit	1	788/-	6,250/-

5. If The tender submitted without the earnest money deposit be summarily rejected provided that any category of tenderers specifically exempted by the Government from the payment of earnest money deposit /tender cost necessary certificate should be enclosed for exemption otherwise it will be liable for rejection.

- 6.Tenders received late will be returned to the tender unopened.

- 7.The tender should contain particulars like the name and addresses of the Tenderers,

a) Quote the price in INR with GST , duties , warranty. Separate charges for warranty will not be considered at any cost , should mention the valid GST Registration Number along with the copy of the registration Certificate. The evaluation will be done inclusive of taxes.

b) The rates will be kept firm for 180 days from the date of the opening of the Tenders in acceptance.

c) The rate should be quoted for each item with specification and model if applicable and should be indicated clearly both in words and figures. Any scoring or overwriting should be attested by the tenders with full signature. The rate quoted should be firm and should not be subjected to any variation clauses.

- 8.**Tenders will be opened on 15.05.2018 at 4.00 PM by the Registrar or Nominee in the presence of Tenderers or their representatives who may be present at the time of opening. The representatives of the tendering firms who are attending during opening of the tenders should bring a letter of authorization from the tendering firms, which they represent to identify their bonafied.**

- 9.The tender shall be valid for a period of 180 days from the date opening. Tender should not withdraw his tender after the tenders are opened. In case the tender is withdrawn after it is opened, the EMD paid will be forfeited.

10.The EMD of the unsuccessful tenders will be refunded immediately after the tenders are disposed of by the competent authority.

11.Successful tender shall execute an agreement for the fulfillment of contract in the stamp paper in the model form. The conditions stipulated in the form should be strictly adhered to and violation of any of the conditions will entail termination of the contract without prejudice to be right of the University and to recover any consequential loss from the successful tender.

12.Successful tender shall remit a Security deposit 5% to the order value . Security Deposit will be refunded at the end of warranty period subject to the satisfaction of the University. The EMD may be adjusted towards Security deposit payable.

13 the Successful tender failed to act up to the tender or backs out when his tender accepted, security deposit will also be forfeited to department .

14.The material should be supplied strictly in accordance with the specifications given in the Schedule and should fulfill the successful tests carried out by the Competent Authority of the University. The supply and installation should be made as per the delivery schedule to be sent by the Registrar . The warranty period shall take effect from the date of installation. Successful tender shall be liable to change any defective part during the warranty period. In either case the damaged or defective items will have to be taken back at supplier's cost and risk.

15.The payment will be made only after supply and installation of the equipment.

16.The supply and installation should be completed within the stipulated period mentioned in the supply order. If the supply is not made within the period, the supply order will be cancelled and the EMD & Security deposit will be forfeited.

17.The The warranty period specified will commence from the date of installation .

18.The materials quoted shall confirm to ISI standard with the number shall be incorporated wherever possible . The make of the material shall be mentioned in the tender.

19.Any dispute arising out of this contract shall be settled only at the court having jurisdiction of Coimbatore.

20The authority competent to accept the tender reserves the right to reject or accept any tender without assigning any reasons thereof.

21.Regarding the acceptance of supply with reference to the specification and quality of materials supplied, the decision of Registrar shall be final.

22 Tenders will be considered only from the manufacturer/authorized distributor along with the authorization certificate

23.Incomplete Tenders: Tenders without the complete particulars for evaluation will not be considered.

24.The University's general rules for the supply of the materials and works will apply on this purchase also.

25.The University is registered with DSIR, it is eligible for exemption of Central Excise duty as per Government Notification No.10/97 Central Excise Dt: 1.3.1997. It is also eligible for customs duty exemption as per the Govt.Notification No.51/96 Customs dt.23.07.1996.

26.No communications from any tender adding to/adhering or explaining any terms of the tender will be considered prior to the submission or after opening of the tenders by the competent authority.

27..In case of any modifications in specifications/terms and conditions/ any clarifications to the bid document it will be hosted in our website only and bidders are requested to log on to our website from time to time regularly for any amendment and no separate corrigendum will be issued in this regard.

28.The tender should be submitted subject to and agreeing the above conditions duly attested and certified.

**TO BE FILLED IN BY THE TENDERER:.**

<b>Contact Angle Meter</b>		<b>Spray Coating unit</b>	
<b>Tender Cost – Rs.788/- DD No./Banker’s Cheque/Date</b>	<b>EMD Details Rs. 10,000/- DD No/Banker’s Cheque No/ Date</b>	<b>Tender Cost – Rs.788/- DD No./Banker’s Cheque No/Date</b>	<b>EMD Details Rs.6,250/ DD No/Banker’s Cheque No/ Date</b>

SIGNATURE OF THE TENDERER

**Item No.1 SCHEDULE**

**CONTACT ANGLE METER**

<b>S.No</b>	<b>Specification</b>	<b>Qty</b>	<b>Price</b>
<b>1</b>	<p>Measurement: Static and dynamical contact angle measurement Advancing / Receding angle measurement (contact angle hysteresis) Measurement method: Sessile drop Measurement range: 0 to 180 degree, Accuracy: +/- 0.1 degree Optics: High performance aberration corrected imaging lens with precise focus adjustment. Camera type: CCD (or CMOS) Image Resolution: At least 2592 x 1944 pixels Video system: High performance CCD (or CMOS) sensor. 3m shielded USB cable included. Video Resolution in Pixels: At least 640 x 480 (17 fps), 1920 x 1080 (9 fps), 2592x1944 (4 fps). Dispenser: Both manual and motorized syringe pump with precise microliter (1 to 100 microliter) dispensing capability. Syringes: Glass syringes of 50, 100 &amp; 150 microliter capacity. Lighting: LED Based diffused lighting mechanism with adjustable light intensity. Sample holder: Tilt angle +/- 180 degree with +/- 1 degree accuracy, and precise height adjustable. Camera - Optics assembly movement: Along XY direction for at least up to 7.5 cm. Sample temperature: Room temperature to 100 degree C with accuracy +/- 1 degree C. PC interface and Analysis Software: INCLUDED. Power supply: Indian standard.</p> <p><i>A list of references in India, where similar systems have been installed, must be provided.</i></p> <p><b><u>Terms and conditions</u></b> Delivery and Installation: Free Warranty: One year One year free AMC</p>		

**SIGNATURE OF THE TENDERER**

**Item-2 SCHEDULE**  
**SPRAY COATING UNIT**

<b>S.No</b>	<b>Specification</b>	<b>Qty</b>	<b>Price</b>
<b>1</b>	<p><b><u>EQUIPMENT STRUCTURE</u></b>  Shell size:≈700 X 700X 900 mm (minimum)  Shell Construction: High quality fabrication of SSbody and SS angle structure  Door Construction:Sophisticated system to view the operation madeby high quality acrylic  Model: Double deck model with doors (top for equipment’s with high quality acrylic door and bottom for shelf with SS door)  Suction fan: 0.25HP  <b><u>HEATING SYSTEM (ELECTRICAL)</u></b>  Heating elements:APM grade Kanthal  Operation: Single phase / AC  Power: 2 kW  Insulation (Furnace):Mechanically pressed zirconia blend ceramic fiber.  Working temperature: room temperature to 450°C at surface of the hot plate  Work area:150 x 150 mm  <b><u>SPRAYING SYSTEM PUMP</u></b>  Pump: Peristaltic pump, Motor: 24v PMDC motor  Pressure: Upto 2 kg/sq.cm  Spray rate controlling: Digital controller, 10-100 RPM  Spray rate:1 to 65 ml /min  Tubing:1 mm and 3mm (interchangeable) ID tubing  Tube Material: Silicone transparent hose  <b><u>SPRAY GUN</u></b>  Nozzle:Glass Gun (1mm dia.)  Spray gun:Made of glass  Distance between spray gun and hotplate: around 25 cm (adjustable)  <b><u>AIR COMPRESSOR</u></b>  Working pressure at outlet of spray gun : 1.5bar (adjustable)  Air Compressor : 0.25 HP in-built compressor  Air tank capacity: 10 liter  Air delivery:25 CFM  Receiver Tank: Fitted with safety valves, pressure gauge and drain valve  Fittings:Pressure relief valve, automatic pressure switch and suction filter  <b><u>CONTROL SYSTEM</u></b>  Temperature control:TAIE PID Temperature programmer  Temperature sensor:K-type thermocouple to control the furnace and non-contact sensor for sample  Furnace temperature accuracy:±1°C  Indications:Ammeter and Voltmeter,mains indicator, and output indicator  Control switches: Mains on, output on  Pressure:Analogue pressure indicator with manual valve  Semi Automation:PLC based automation with HMI screen support for spray gun movement  <i>A list of references in India, where similar systems have been installed, must be provided.</i>  <b><u>Terms and conditions</u></b>  Delivery and Installation: Free  Warranty: One year  One year free AMC</p>	<b>1</b>	

**SIGNATURE OF THE TENDERER**