



BERHAMPUR UNIVERSITY
BHANJA BIHAR, BERHAMPUR - 760007 ODISHA

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No.-139/CoE/BRNS/Phy/2023

Date:31/01/2-23

QUOTATION CALL NOTICE

Sealed Quotations are invited from registered firms/authorized suppliers/authorized dealers having IT, PAN and up-to-date GSTN registration for supply of **Contact angle Meter System** for BRNS Project, P.G. Department of Physics, Berhampur University in the firm's pad by **Speed Post/ Registered Post** which should reach the office of the **PI, BRNS Project, P.G Department of Physics, Berhampur University** on or before **Dt-22.02.2023**.

The details regarding terms & conditions and detailed specifications of the **Contact angle Meter System** can be obtained from the University Website www.buodisha.edu.in from **Dt-01.02.2023**.

**PI, BRNS Project,
P.G Department of Physics
BERHAMPUR UNIVERSITY**

Memo No.- _____ / Phy/CoE/BU/2023

Date: _____

Copy to:

1. The Comptroller of Finance// The O.I.C, Stores// The Secretary to the Vice-Chancellor// P.A. to the Registrar, Berhampur University for kind information.
2. The Web Administrator, University Web site, Dept. of Computer Science, Berhampur University with a request to upload the Quotation Call Notice along with enclosures in the University Website for wider information of all concerned **on or before Dt-01.02.2023**.
3. The Programmer officer, BRNS to upload a copy of the Quotation Call Notice along with enclosures in their website for wider information of all concerned.
4. University Notice Board.

**PI, BRNS Project,
P.G Department of Physics
BERHAMPUR UNIVERSITY**

Terms/ Conditions Details:

1. An amount (Non-refundable) of Rs.2,000/- towards cost of RFP (Request for proposal) be deposited in the shape of DD drawn in favour of PI BRNS PROJECT PHYSICS22, Berhampur University, Berhampur. payable at Canara Bank, Bhanja Bihar (6371).
2. Deposit of EMD @2% (Refundable) of the estimated value of the goods in the shape of DD drawn in favour of of PI BRNSPROJECT PHYSICS22, Berhampur University, Berhampur. payable at Canara Bank, Bhanja Bihar(6371).
3. The firm shall quote both the Technical Bid consisting of all technical details along with commercial terms & condition and Financial Bid indicating item-wise price per unit as per our specification including all Taxes, Transportation, and installation. Technical bid and Financial Bid should place in separate sealed covers duly super scribed each and send the same in a sealed cover super scribed with the Quotation Call Notice through **Speed Post /Registered Post** only. Technical bid shall open on the same day at 4:00 P.M. and the eligible bidders will intimate the date for Financial Bid soon after the finalization of Technical Bid.
4. These quotations shall remain in force for the Financial Year 2023-24.
5. Only qualified firms in the Technical Bid will be eligible for Financial Bid.
6. Materials in good condition shall be delivered at CoENSTds,P.G Department of Physics, Berhampur University, Bhanja Bihar, Berhampur-760007.
7. In case of imported articles, the selected firm will take necessary steps for exemption of Custom Duty etc. at their own risk.
8. The firm should supply the articles within three weeks from the date of issue of Purchase Order. This can be extended for further four weeks in view of the gravity of the situation.
9. Copy of IT of preceding three financial years, PAN CARD, valid & up-to-date GST Registration Certificate and Audited Financial Statement of preceding three financial years must be enclosed with Quotation paper.
10. Incomplete Quotation in any respect is liable for rejection.
11. The University reserves all the right to modify the contents of the RFP, extension of last date of receipt of Quotation and to accept or reject any /all Quotation in full or in part without assigning any reason thereof.
12. Legal Dispute, if any, shall be the Jurisdiction of Civil Court, Berhampur, District- Ganjam, Odisha,
13. Depending on the urgency of the situation, penalty shall be imposed in case any delay in delivery of Goods and Services.
14. Payment shall be made after necessary verification and successful installation of the equipment. Goods and Service providers cannot claim any penalty or interest in case of delay in Payment caused due to verification of the quality and quantity of the Goods by the competent Technical person of the University.
15. Any query relating to Contact angle meter system, please contact Dr. Sukanta Kumar Tripathy, PI, BRNS Project, P.G Department of Physics, Berhampur University via Mail ID: skt.phy@buodisha.edu.in.

**PI, BRNS Project,
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Technical Specification of Contact Angle Meter

CONTACT ANGLE METER SYSTEM

1. Contact Angle Measurement Methods: Sessile Drop & Captive Bubble Method.
2. Contact Angle Measurement Range: 0 - 180°
3. Contact Angle Accuracy: $\pm 0.05^\circ$ or Better
4. Camera Type: High Speed C Mount CMOS
5. Max Camera Speed: 2000 fps or Higher
6. Max. Image Resolution (In Pixel): 648 x 488 or Better
7. Image Distortion: $< 0.1\%$ or Better
8. Substrate Stage Dimension: 150 X 100 X 40 [(L X W X H) in mm] or better and XYZ Manual Stage Movement available
Substrate Stage Heating (Up to 200°C) Zoom Lens: 5X or better
9. Sample Preparation Module: UV (Wavelength: 254 nm)/High Power LED Illumination monochromatic .
10. Liquid Sample Dispenser: Software controlled Automatic Liquid Dispensing with a Programmable Volume & PC- controlled Dispensing speed.
11. Computer Desktop: Core i5 processor/240 GB SSD/12 GB RAM/USB 3.0
12. Sessile Drop Method (Static and Dynamic Contact Angle Measurement), Captive Bubble Measurement, Video Mode Measurement Surface Tension Measurement, Interfacial Tension Measurement, Surface Free Energy of Solid Measurement (Liquid and solid Database must be also provided) , Receding Angle Measurement modules should be included .
13. FRAME: Standard Frame for Fixing the Sample Stage, Light source, Sample dispenser, optics with Camera.

Shapal

