



## Ravenshaw University Cuttack

### TENDER FOR THE SUPPLY OF SCIENTIFIC & ELCTRONIC EQUIPMENTS

TENDER NO: 5922 Date: 22.12.17

Sealed tenders are hereby invited by Ravenshaw University, Cuttack from reputed Manufacturers/ Dealers for procurement of SCIENTIFIC & ELECTRONIC EQUIPMENTS. The details specification is available in Annexure-(I), Annexure-(II), Annexure-(III) & Annexure-(IV).

The Tenderers should submit the completed documents along with a Bank Draft drawn in favour of the "Ravenshaw University" payable at Cuttack for Rs.1000/- as the non-refundable tender fee if total quoted value is more than one lakh.

The Tenders should be accompanied with EMD, 2% of the quoted value (refundable) of equipment on the tender documents in the form of Demand Draft drawn in favour of "Ravenshaw University" payable at Cuttack if total quoted value is more than one lakh.

Tenders marked as "TENDER FOR THE SUPPLY OF SCIENTIFIC & ELECTRONIC EQUIPMENTS WITH ANNEXURE ARE NO." at the corner of the envelope should reach the Ravenshaw University, Cuttack on or before **1 PM on 10.01.2018 and it will be opened on same day at 3 PM.**

Bank drafts of application fee and EMD should be submitted along with tender paper in a separate envelope.

  
OIC Central Stock & Store  
Ravenshaw University

#### Terms & Conditions:

1. The Quotation paper, filled in every respect must reach the undersigned with copies of relevant documents on or before **10.01.17 by 01.00 PM** by Speed /Registered / Courier post.
2. The Bidders are requested to submit the Technical Bids and Price Bids separately in two different covers. Each cover should be earmarked as to know the contents within as either "Technical Offer" or "Price Offer". Both these covers should be placed in a third cover super scribed as "TENDER FOR THE SUPPLY OF SCIENTIFIC/ELECTRONIC EQUIPMENTS (as applicable) \_\_\_\_\_ Dated: \_\_\_\_\_".
3. Quotation of the bidders, who qualify for the Technical bid, will be eligible for Commercial comparison. The bidders, who do not qualify Technical bid, will have their quotation rejected.
4. Copies of the credibility certificates and valid authorization certificates of various relevant products must be enclosed with the quotation.
5. The firm is required to enclose copies of its current valid GST Clearance Certificates and PAN Certificate with the quotations.
6. In case of negligence of the firm, the undersigned reserves the right to cancel the order and actions may be initiated as deemed fit against the firm.
7. The quoted prices must include rates and taxes applicable for educational institutions and delivery at site i.e. Ravenshaw University.
8. All Tenderers will be evaluated and compared on the basis of the following order :
  - I. Compliance with the Instructions/General Conditions of the Tender.
  - II. Conformity with the Specifications.
  - III. Proof of ability.



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- IV. Delivery Period.
  - V. Guarantee/ Warranty, expiry period offered.
  - VI. Quality.
  - VII. Price.
  - VIII. Past experience.
  - IX. Authorization letter from Manufacturer
9. The following Documents should accompany the Tender.
- I. Tender duly completed and signed
  - II. Specifications
  - III. Bidding data sheets/Offer sheets duly completed and signed.
  - IV. Tender Fee as applicable.
  - V. EMD as applicable
  - VI. Copy of GST Registration.
  - VII. Certificate of Incorporation/Business Registration.
  - VIII. All other documents as mentioned in the term and condition.
  - IX. Authorization letter from Manufacturer
  - X. Certificate of proprietary item if any
10. Service Tax may be charged against as per the rules applied to an educational institution.
11. Any dispute arising out of the transaction shall be subjected to the jurisdiction of Orissa High Court, Cuttack only.
12. The Tenderers are required to submit the Quotation papers filled in, with other supportive documents, failing which, they may be rejected.
13. The undersigned reserves the right to reject any or all quotations received without assigning any reason thereof.

**N.B:- Incomplete data in any respect is liable for rejection.**

OIC Central Stock & Store  
Ravenshaw University

Memo No. 5923 Date. 22.12.17

Copy To:- Registrar/COF/ Co-Ordinator, RUSA/OIC Stock & Store/Office Superintendent/ /Steno to VC for Information

OIC Central Stock & Store  
Ravenshaw University



**Ravenshaw University  
Cuttack**

Tender No. \_\_\_\_\_ Dt. \_\_\_\_\_

1. Name of the Firm :

2. Address :

3. Phone No :

4. Contact Person :

With mobile

5. PAN (copy enclose) :

6. TIN (copy enclose) :

7. Tender Fee Details :

**Declaration:**

We do hereby declare that, we have gone through the details of the technical specifications and other terms and conditions mentioned in the Tender Paper received against the Tender Tender No. \_\_\_\_\_ Dt. \_\_\_\_\_ and will abide by them.

Authorised Signatory with Seal & Date  
On behalf of the Firm.





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## ANNEXURE - I

### 1. SPECIFICATIONS FOR FESEM

#### (i) FESEM

**Source Gun** : Schottky Filed Emission thermal type

**Resolution** : 1 nm @ 15KV or better (1nm @ 1KV or better)

**Acceleration Voltage** : From 100V (or lower) to 30KV

**Probe Current**: 200 nA or higher

**Max. Magnification**: 25-10,00,000 or better

**Electron Optics** : Beam Deceleration / Beam Booster / Gentle beam technology or equivalent technology for high resolution imaging at low KV.

FESEM lens system should run on water cooled chiller.

The system must have motorized aperture.

The system must have In-Lens /Electrostatic /hybrid lens /equivalent lens to get high resolution image of magnetic samples (dia, para,ferro) with shorter working distance

#### **Detectors**

• In-Lens-SEI / In-column SEI /upper secondary electron detector or equivalent detector

Technology to acquire high resolution images.

• Chamber mounted SEI detector

• Retractable Backscattered Electron Detector

• IRCCD Camera

**Specimen size**: Diameter should be at least 100 mm or more

**Specimen Type**: The FESEM should be suitable for imaging and analyzing Ceramic, thin film, nano powders, polymers, Biological samples, minerals, ores, rocks, fossils etc. at high resolution.

It should be capable of imaging magnetic samples (Di, Para, Ferro) and for both bulk and point analysis.

#### **Chamber and Specimen Stage:**

Chamber should have at least 10 or more necessary port for future attachments. Specimen exchange through air lock/ load mechanism (optional)

