

**KURUKSHETRA UNIVERSITY, KURUKSHETRA**  
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**CORRIGENDUM NOTICE**

**Date: 27-2-2026**

**Subject:** Corrigendum for e-tenders for **(Field Effect Scanning Microscope with EDS, Brunauer-Emmett-Teller (BET) Analyzer, and High Temperature furnace (1700 degree C)** with Tender Reference Numbers 2026\_HRY\_502964\_1; 2026\_HRY\_502954\_1 and 2026\_HRY\_502962\_1, respectively uploaded on websites: <https://etenders.hry.nic.in> and <http://www.kuk.ac.in> on dated 17-2-2026.

The typographical error published in the tender document at page no. 46 point 3.1. Evaluation Criteria (ITB 34.5); (a) Delivery schedule. (As per Incoterms specified in the BDS) “Delivery: Within 90 working days from the date of confirmed purchase order at KUK and L C Opening. Bids offering delivery beyond 90 working days of stipulated delivery period will be treated as unresponsive.”, **is changed to:** “The delivery period should be within 6 months from the date of receipt of L/C. Bids offering delivery beyond 6 months from LC of stipulated delivery period will be treated as unresponsive” the delivery period is same as given in technical specifications.

**Regarding Technical specifications:**

1. **Tender Title:** Supply, Installation, Testing and Commissioning of Research Grade Field Effect Scanning Microscope with EDS

**BID Reference No.:** KUK/PHY/2026/FESEM/1

**Tender ID No.:** 2026\_HRY\_502964\_1

**Technical Specifications:** Some modifications are done in technical specifications the changes are given below point wise as per specifications, rest all points are same:

SN	Features	Specifications	Amendments in specifications
1.	Resolution	1. Resolution of 0.5 nm or better at 15KV 2. Resolution with 0.8 nm or better guaranteed at 1 KV for dedicated and sensitive samples 3. Resolution to be achieved either with sample / stage biasing or proved without DCV method	1. Resolution of 0.5 nm or better at 15KV 2. Resolution with 0.8 nm or better guaranteed at 1 KV for dedicated and sensitive samples 3. Deleted
4.	Probe Current	300 nA or better (30kV)	Order of 100 nA or more (30kV)
6.	Electron Optics	3. The beam current delivered to the sample should range continuously between few pA to 300nA. 10. Should have Double Condenser Lens	3. The beam current delivered to the sample should range continuously between few pA to order of 100nA. 10. Should have Single/Double Condenser Lens
19	EDS	1. The integrated suitable liquid nitrogen free Dry Silicon Drift Detector (SDD). 2. Energy resolution 129 eV or better at Mn-K $\alpha$ . 3. Detection area should be up to 25 mm <sup>2</sup> or better for handing high count rates. Elemental analysis (point and line) and elemental mapping with imaging facility	3. Detection area should be up to 30 mm <sup>2</sup> or better for handing high count rates. Elemental analysis (point and line) and elemental mapping with imaging facility
24	Sputter Coate (separate/com lined) for both 1.Au/Pt; 2.Carbon	1. Sputtering method: 2. Magnetron type 3. Sputter Current 10 – 40 mA 4. Target Au / Pt (sharp)/Carbon 5. Specimen Stage 50 mm or bigger diameter 6. Vacuum chamber 120 mm ( O.D.) x 100 mm (H) OR bigger 7. Timer 1 to 300 sec 8. Warranty 5 year Installation Vendor to do onsite installation and provide onsite training	1. Sputtering method: Magnetron type 2. Sputter Current: up to 40 mA or better 3. Target Au & Pt (sharp) & Carbon 4. Specimen Stage 50 mm or bigger diameter 5. Vacuum chamber: 120 mm (O.D.) x 100 mm (H) OR bigger 6. Timer: 1 to 300 sec; fast sputtering 7. Warranty 5 year 8. Installation Vendor to do onsite installation and provide onsite training
25	Sample Preparation	<ul style="list-style-type: none"> <li>• Must provide Glove Box with 2 ports</li> <li>• Standard not assembled</li> </ul>	<ul style="list-style-type: none"> <li>• Must provide Glove Box with 2 ports</li> <li>• Standard not assembled <b>with specifications o</b></li> </ul>

		<p><b>Glove Box</b> • Modular Glove box with bolted panels, having 2 glove ports (220 mm diameter in PP, O ring sealed; one pair of gloves should come with the system, not less than 0.4 mm thickness) • EPDM Gaskets with high chemical resistance. • Tightness of glove box according to O2-increase method. Class 1 glove box (according to International Standards ISO 10648-2 – Leak rate &lt; 0.05 Vol%/h) • Glove Box Workstation material must be of 3MM thickness Stainless steel US304L (Low Carbon Steel 1.4306) With internal dimensions 900mm x 1200mm x 725mm [H x L x D], +/-5% • Front panel should be of Sapphire coated Polycarbonate material. • 2 Dust HEPA filter 0.3-micron, class H13 should be included for the inlet and outlet of the circulating gas. • Glove Box must be compatible for work in both positive and negative pressure applications. • Six Height Adjustable, Stainless-Steel shelves to be included (SS304 L material) • LED lighting system from ceiling of glove box controlled by manual switch • 304 L Stainless steel frames with casters and height adjustable feet. • Glove Box must have an Oil based Pressure Safety Valve for safe disposal of gasses.</p> <p>Main Vacuum chamber Big vacuum chamber with manual Cycles of dimension 400 mm x 600 mm (DxL) stainless steel (US304L) with stainless steel Sliding Tray. Leak rate &lt; 10<sup>-5</sup> mbar.s<sup>-1</sup> Fitted with analog vacuum gauge. Must be equipped with a 3-way valve to control filling and vacuum Valves/Piping: All piping and components must be in stainless steel (SS 304L - Low Carbon Steel) Feedthroughs • Minimum 1 leak tight electrical feed through bipolar electrical connection (Bi) and thermocouple (T) 220V • At least 6 blank leak tight feedthroughs at the back side</p> <p>The Box must be fully compatible and leak proof (Leak rate &lt; 0.05 Vol%/h) for a Purifier to be integrated with the Glove Box in near Future to maintain the inert atmosphere of &lt; 1 PPM for O<sub>2</sub> &amp; H<sub>2</sub>O levels &gt; Certifications Required from Manufacturer: ISO, CE, and Class 1 Tightness Certificate of the instrument.</p>
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2. **Tender Title:** Supply, Installation, Testing and Commissioning of Research Grade Brunauer-Emmett-Teller (BET) Analyzer

**BID Reference No.:** KUK/PHY/2026/BET/1

**Tender ID No.:** 2026\_HRY\_502954\_1

**Technical Specifications:** No Changes

3. **Tender Title:** Supply, Installation, Testing and Commissioning of Research Grade High Temperature furnace (1700 degree C)

**BID Reference No.:** KUK/PHY/2026/HTF/1

**Tender ID No.:** 2026\_HRY\_502962\_1

**Technical Specifications:** No changes

Further, Bidders/OEMs are requested to consider the proceeding of pre-bid meeting held on 23.02.2026, which is uploaded on e-procurement portal of Govt. of Haryana (<https://etenders.hry.nic.in>).

**Chairperson, Department of Physics, KUK**