

**Office of the Dean Research and Development  
Indian Institute of Engineering Science & Technology (IEST), Shibpur  
Howrah-711 103**

**Project Code: DRC/TATASTEEL/MET&MAT/DD/003/15-16**

**Department of Metallurgy and Materials Engineering  
Indian Institute of Engineering Science & Technology (IEST), Shibpur  
Howrah-711 103**

**Ref. No.: TATASTEEL/ MET&MAT /DD/003/01/2017-18 dated April 11, 2017**

**Notice Inviting Quotations**

Complete sealed quotations are invited for supply of the following items/consumables or to carry out works listed below as per mentioned specifications. **The quotation should include all kinds of taxes/duties and delivery charges of the items to the Office of the Department of Metallurgy and Materials Engineering, IEST Shibpur.**

Last date of submission of sealed quotation is **7 days from the date of publication** in the Website of the Institute and tenders will be opened on the next working day at 12 noon.

<b>Sl. no.</b>	<b>Description/Specification of Items/Works</b>
<b>1.</b>	Standard <b>colloidal silica</b> (0.04 micron) <b>suspension</b> suitable for mixing with chemical reagents for final polishing of resistant materials. <i>Quantity to be quoted: 1 liter.</i>
<b>2.</b>	<b>Acrylic based mounting materials</b> (powder and requisite hardener) for <b>hard ferrous materials</b> . Should provide excellent edge retention, planeness, low shrinkage and low temperature (<150 °C) for curing. Should not required vacuum impregnation and any dedicated equipment. <i>Quantity to be quoted: 500 g powder and requisite hardener/liquid.</i>
<b>3.</b>	<b>Acrylic based cold mounting materials</b> (powder and requisite hardener) for <b>non-ferrous materials</b> . Should provide excellent edge retention, planeness, low shrinkage and low temperature (<100 °C) for curing. Should not required vacuum impregnation and any dedicated equipment. <i>Quantity to be quoted: &gt; 500 g powder and requisite hardener/liquid.</i>
<b>4.</b>	<b>Bakelite based hot mounting</b> (thermosetting) resin with carbon/copper filler for SEM examination. Should provide excellent edge retention, low shrinkage and low/moderate temperature (<200 °C) for quick curing under < 350 bar pressure. <i>Quantity to be quoted: 1 kg powder and requisite hardener/liquid.</i>

**Dean (R & D)**

**(A. Code DRC-T005/17-18)**