

**ANNEXURE-A: TECHNICAL DETAILS**

Item No . should be quoted on the cover as : IEST/ME/PLGRNT/17-18/PPD/ITEM # (as below)

Item . No.	Name of Work with details
IEST/ME/PLGRNT/17-18/PPD/ITEM 1	<p><b>Density Meter (Electronic Precision Balance with Density Measuring Setup) – 01 (one) no.</b>  <b>Make:</b> Contech Instruments Ltd, India or equivalent company  <b>Technical Specification:</b>                      Capacity: Upto 50 gm, Accuracy: 0.001 gm</p>
IEST/ME/PLGRNT/17-18/PPD/ITEM 2	<p><b>Geared Type Drilling Machine with Variable Speed Attachment – 01 (one) no.</b></p> <p><b>Technical Specification:</b>                      Max. dist. between spindle nose to working table: 660 mm                      Drilling capacity: 1/2” (~13 mm),                      Drive type: Gear drive                      Motor Power: 1.5Hp [3 phase, 440 V]                      [Special attachment: frequency controller: 0 to 1440 rpm, digital rpm indicator]</p> <p><b>Essential Accessories:</b>                      Drilling chuck with holder                      Twist Drill bit set (HSS) : 1/16", 5/64", 3/32", 7/64", 1/8", 9/64", 5/32", 11/64", 3/16", 1/4"</p>
IEST/ME/PLGRNT/17-18/PPD/ITEM 3	<p><b>Hot Air Drier / Electric Heat Gun – 01 (one) no.</b>  <b>Make:</b> Philips, India  <b>Technical Specification:</b>                      Power: 500W</p>
IEST/ME/PLGRNT/17-18/PPD/ITEM 4	<p><b>Metallographic Polishing Machine Double Disc Type – 01 (one) no.</b></p> <p><b>Technical Specification:</b>                      Speed : 200-1200 rpm (Infinitely variable)                      2 Independent 1/4hp motor                      Capable of Rough grinding to fine                      Disc type: 200mm (8”) dia gunmetal/ Brass polishing lapping plates (disc.)                      Purpose: Grinding and polishing of hard ceramics and metals</p> <p><b>Essential Accessories:</b></p> <ol style="list-style-type: none"> <li>1. Emery papers (fine) grades: 1/ 0, 3/ 0 &amp; 5/ 0 one dozen each</li> <li>2. Silicon carbide water proof papers Grades: 220, 400, 600, 800, 1000, 1200 one dozen each</li> <li>3. Polishing cloth                          Sylvyt cloth special 6 nos                          Velvet cloth 12 nos</li> <li>4. Polishing powders (SiC): 220,400 2 kg each and 600, 800, 1000, 1200 1 kg each</li> <li>5. Diamond paste (for fine grinding and polishing) 5 gm syringe: 1, 3micron, 3 (Three) syringe each and 6 micron 5 (five) syringe</li> <li>6. Lubricant for diamond paste (in 200ml. Aerosol package): 2 pcs</li> <li>7. Cold Setting Materials consists for metallurgical sample mounting-white colour: 400gm powder and 400gm liquid, 1 set</li> </ol>

IIEST/ME/PLGRNT/17-18/PPD/ITEM 5	<b>Outside Micrometer Analogue Type – 02 (two) nos.</b> <b>Make:</b> Mitutoyo, Japan  <b>Technical Specification:</b> Measuring range: 0-25 mm, Quantity: 01 Measuring range: 25-50 mm, Quantity: 01
IIEST/ME/PLGRNT/17-18/PPD/ITEM 6	<b>Vernier Calliper Analogue Type with Fine Adjustment (Make: Mitutoyo, Japan) – 01 (one) no.</b> <b>Make:</b> Mitutoyo, Japan <b>Technical Specification:</b> Measuring range: 200 mm

Clarification needed on Bidding Documents may be inquired to Mr. AyanPramanick  
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