

Sl. No.	Name of Work with details
1	<p>Density Meter (Electronic Precision Balance with Density Measuring Setup) – 01 (one) no. Make: Contech Instruments Ltd, India or equivalent company Technical Specification: Capacity: Upto 50 gm, Accuracy: 0.001 gm</p>
2	<p>Geared Type Drilling Machine with Variable Speed Attachment – 01 (one) no.</p> <p>Technical Specification: 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>Essential Accessories: Drilling chuck with holder -2 nos. 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>
3	<p>Hot Air Drier / Electric Heat Gun – 01 (one) no. Make: Philips, India Technical Specification: Power: 500W</p>
4	<p>Metallographic Polishing Machine Double Disc Type – 01 (one) no.</p> <p>Technical Specification: 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>Essential Accessories:</p> <ol style="list-style-type: none"> 1. Emery papers (fine) grades: 1/ 0, 3/ 0& 5/ 0 one dozen each 2. Silicon carbide water proof papers Grades: 220, 400, 600, 800, 1000, 1200 one dozen each 3. Polishing cloth Sylvyt cloth special 6 nos Velvet cloth 12 nos 4. Polishing powders (SiC): 220,400 2 kg each and 600, 800, 1000, 1200 1 kg each 5. Diamond paste (for fine grinding and polishing) 5 gm syringe: 1, 3micron, 3 (Three) syringe each and 6 micron 5 (five) syringe 6. Lubricant for diamond paste (in 200ml. Aerosol package): 2 pcs 7. Cold Setting Materials consists for metallurgical sample mounting-white colour: 400gm powder and 400gm liquid, 1 set

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5	Outside Micrometer Analogue Type – 02 (two) nos. Make: Mitutoyo, Japan Technical Specification: Measuring range: 0-25 mm, Quantity: 01 Measuring range: 25-50 mm, Quantity: 01
6	Ultrasonic Bath Sonicator (Cleaner) – 01 (one) no. Technical Specification: Capacity: 3.5 liters, Digital timer:15 min, Power: 100W]
7	Vernier Calliper Analogue Type with Fine Adjustment (Make: Mitutoyo, Japan) – 01 (one) no. Make: Mitutoyo, Japan Technical Specification: Measuring range: 200 mm

Earnest Money Deposit **(minimum 2% of the estimated cost)** in favor of “**Registrar, IEST, Shibpur**” payable at Kolkata.

Clarification needed on Bidding Documents may be inquired to

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