

## REPAIR AND MAINTENANCE OF GCT SHAHMANSOOR SWABI.

### SOR for (Material Testing lab)

**\*PLEASE ORGANIZE YOUR BID AS FOLLOWS;**

- 1) Bidder can bid for items as per Schedule of requirement published on KPTEVTA Website and having specialty /experience as described in BSD.
- 2) The Items/Equipment must have Minimum Specification acceptable to the Technical Committee of KP-TEVTA; however the higher specification may be accepted if within the financial limit.
- 3) All bidders must submit the relevant details of bid/proposals duly labelled by a permanent marker with the name of bidder and also to provide documents in soft copies (MS WORD format) on USB drive
- 4) The Supplier shall write in bold & legible letters "Name of the Project" on the envelope.
- 5) The supplier will submit the tender documents properly Computer Typed and each page shall be endorsed and numbered along with terms and condition issued by the KP-TEVTA dully signed by the authorized personnel with company seal; otherwise the bid will not be accepted.
- 6) The bidder will be responsible for standard local warranty given by the manufacturer where applicable.

Sr. No.	Item/ Specifications	QTY
1.	Universal Hardness Tester  Specifications: The machine performs Brinell, Vickers and Rockwell tests in accordance with established specifications: Using load-cell technology, combined with automatic image analysis, LCD touch screen and built-in PC, covering the full Rockwell scale (Regular/Superficial) range (15, 30, 45, 60, 100 and 150kgf) as well as full load range of 1-250kgf, which also allows for full range macro Vickers testing (1-120kgf), as well as Brinell testing in the load range of 1-250kgf on the same machine	01
2.	Metallurgical Microscope  Optical system: color corrected infinity Optical system Eyepieces: 10x120mm, with diopter adjustment Wide field binocular 30o[F.N. 20] Wide field trinocular 30o[F.N. 20]-light distribution 100:0/20:80	02

	<p>Wide field trinocular 30°[F.N. 20]-light distribution 50:50 fixed erect image.  Nose piece: Reversed quintuple  Stage: 180x140mm surface; 100x80mm Movement: coaxial controls  Focus: Brass gears; Z-Axis movement; 30mm  Fine focus: 2µm minimum increment  Incident light: 12V/50W Halogen illuminator with external power supply  Specimen thickness: Max 120mm  Digital screen attached</p>	
3.	<p>Specimen Cutting Machine</p> <p>Specifications:  Equipped with double driving vises &amp; T-notch wide worktable and to clamp all kinds of strange shape work pieces  Super large and enclosed cutting chamber  Max. cutting diameter: Ø100 mm  Equipped with cooling liquid filtering system  Independent cutting illuminating system  The sink &amp; cutting room have been specially treated and will never be rusty  Power supply: three phases, 50 Hz/AC  Equipped with 60 L Built-in cooling liquid tank  Cutting power: 3.0 KW  Sand wheel: 350 x 2 x 32 mm  Rotating speed: 2800 rpm  Dimensions: 650 x 600 x 1400 mm</p>	01
4.	<p>Specimen Polishing Machine</p> <p>Specification  300mm diameter plate  High - torque motor  Variable speed ranges 50-600 rpm  Digital Timer 0-99 mins  Dimensions 430mm x 730mm x 350mm  Weight 37Kg  Electrical 220V-1Phase-50Hz  Accessories :  Set of specimen holding fixture  Set of lapping plates</p>	01

**Assistant Director (Procurement)**