

SCHEDULE OF REQUIREMENT AND TECHNICAL SPECIFICATIONS

Sl No.	Description of items	Quantity
PUR/630/NDT/SB/E/2019-20		
	SUPPLY AND INSTALLATION OF PORTABLE MICROSCOPE WITH ATTACHED CAMERA (TO BE ATTACHED WITH EXISTING MOVIEPOL / TRANSPOL SYSTEM FOR ON-SITE METALLOGRAPHY)	1

1. INSTALLATION, COMMISSIONING AND TRAINING

- 1.1. The ordered goods are required to be installed and commissioned within 15 days of receipt of goods at final destination. Installation should be carried out only by expert engineers of Supplier / Manufacturer. During the course of installation, necessary training on operation and maintenance of the goods shall be imparted to Institute's Scientist / Engineers/Technicians.

2. WARRANTY

- 2.1. Comprehensive on-site warranty for a period of **ONE YEAR** must be provided to be effective from the date of successful completion of installation and commissioning and final acceptance of the items / equipment at the user's laboratory / Institute.

Annexure-I

1. Portable Microscope for on-site metallographic examination:
 - Portable microscope with battery powered LED illumination.
 - Eye piece lens-10x
 - Objective lens- 20x, 40x and 60x
 - Tripod base with short legs for curved surface inspection
 - Round base for plane surface inspection.
 - Magnetic cross table
 - Plate micrometer used for initial calibration
 - Carry Case
2. Digital Camera with C-mount
 - For use with Portable microscope
 - Resolution 3.1 MP or higher, amplified to 8-10 MPa with onboard software
 - LCD display
 - Should include adapter for Transpol/Moviepol battery pack,
 - 12 V battery pack
 - AC adapter
 - Transport case

Warranty: 12 Months from the date of installation/commissioning

Training: 2 days training program for 3 persons at CSIR-CMERI.

 04/02/22