JEOL IT800(SHL) Preventative Maintenance Contract
Statement of Work

PR: _____

Background

The Detector Systems Branch requires a 1 year preventative maintenance contract on JEOL USA IT800(SHL) Scanning Electron Microscope (SEM). The SEM is a critical analysis and tool for multiple projects in the Detector Systems Branch, including RST, MUSE, ATHENA, PRIMA, EXCLAIM, Habitable Worlds among many others which are important to Goddard's strategic focus areas including Planetary Defense, National Security and Moon to Mars Missions.

The SEM is manufactured by JEOL USA and has capability for a variety of high resolution thin film and device imaging analysis including secondary electron emission imaging, backscatter electron emission imaging and combinations and X-ray spectroscopy. Imaging can be done at very low voltages allowing for evaluation of thin film surface morphology or residual contamination. The SEM consists of a vacuum chamber a motorized stage, a high voltage field emission electron gun, secondary electron detector, backscatter electron detector, a computerized control panel, turbomolecular, rotary and ion pumps.
All of these systems require periodic maintenance from a JEOL USA factory qualified engineer to maintain proper operation of the tool.

Requirements and Deliverables

The following parts of the scanning electron microscope are covered under the preventative maintenance agreement:

JSM-IT800(SHL) F/E SCAN ELECTRN MCRSCP SN SM1040003380338
SM-13051UPSWE POWER SUPPORTER UPS-702WE
SM-14044SNSLL STAGE NAVIGATION SYSTEM TYPE LL
SM-74330HCS HYBRID CHAMBER CAMERA 813018455
SM-14120UED UPPER ELECTRON DETECTOR 813024536
SM-Z211301DRP DRY VACUUM PUMP NEODRY 15E-1

Benefits:
• Dedicated account manager
• Factory trained engineers
• Telephone support
• Call history tracking
• 15 Days allowed.
• Parts Threshold: $4,750
• Arrive within 5 working days

Government-Furnished Equipment and Government-Furnished Information

- none

Place of Performance

- NASA Goddard Space Flight Center Greenbelt MD USA.

Period of Performance

Period of performance is for one year after the Contract is awarded.