



राष्ट्रीय प्रौद्योगिकी संस्थान मेघालय
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Ref:- No. NITMGH/ES/FIST-DST/PH/2021-22/ 1072

Date: 22.11.2021.

CORRIGENDUM FOR CHANGE IN SPECIFICATION

E-NOTICE INVITING QUOTATION (e-NIQ) FOR SUPPLY & INSTALLATION OF CONFOCAL MICRO-RAMAN SYSTEM UNDER DST-FIST PROJECT IN THE DEPARTMENT OF PHYSICS, NIT MEGHALAYA, SOHRA CAMPUS (CHERRAPUNJEE)

Ref: No. NITMGH/ES/FIST-DST/PH/2021-22/995 dated 09.11.2021.

This is to bring to the notice of all concerned that the following modifications have been made to the specification of the equipment in the above mentioned NIQ:-

Specifications as per original tender	To be read as
Spectroscopy: Detector: Thermoelectrically air-cooled CCD Camera (1024×256 pixels or better) for UV to NIR with peltier cooled down to -60 deg C and free from water and liquid nitrogen. [Detector must be compatible with high humidity environment]. It must be fully automated multichannel detector. The peak QE > 45 % and pixel size of 26 μm x 26 μm or better.	Spectroscopy: Detector: Thermoelectrically air-cooled CCD Camera (1024×200 pixels or better) for UV to NIR with peltier cooled down to -60 deg C and free from water and liquid nitrogen. [Detector must be compatible with high humidity environment]. It must be fully automated multichannel detector. The peak QE > 45 % or better and pixel size of 16 μm x 16 μm or better.
Excitation Sources: 532nm Laser: DPSS laser system with ≥50mW and single longitudinal mode, TEM00 transverse mode.	Excitation Sources: 532nm Laser: DPSS laser system with ≥30mW or more and single longitudinal mode, TEM00 transverse mode.
Software based Laser power control with filter wheel and required neutral density filter.	Software based Laser power control with filter wheel and required neutral density filter or by an attenuator power control from 0 to 100% of the LASER power on the sample.
Digital laser power meter in the range of 10 pW to 1 W with accuracy of 0.15%.	Digital laser power meter with extra filter and accuracy of 0.15%.
Updated library of Raman spectra for inorganic and for organic materials.	Updated library of Raman spectra for inorganic and for organic materials to be quoted in optional item.
Standard Samples: Standard samples for calibrations	Standard Samples: Standard samples and calibration source must be provided with the system for calibrations of spectrometer.

All other terms and conditions/specifications remain unchanged.


Registrar