RAJIV GANDHI INSTITUTE OF PETROLEUM TECHNOLOGY, JAIS

DATE: 09th May 2021

Corrigendum 2

Tender No: RGIPT/JAIS/CRF/E-OPN/LAB/2020-21/03 (Raman Spectrometer)

Please refer to the above e-tender no. RGIPT/JAIS/CRF/E-OPN/LAB/2020-21/04 on rgipt.euniwizarde.com portal & institution website. The dates of the bidding process for GC-FID-TCD-DHA is revised as follows:

- The revised technical specifications of the above is uploaded in the website
- The revised date for the last date of submission of e-tender is **19th June 2021, 4 PM**.
- The date of opening of technical bid is **19th June 2021, 5 PM**

Other terms and conditions remain unchanged.

Note: Please see www.rgipt.ac.in for more information in the bid.

U. Ojha

Chairman, CRF Purchase Committee

Technical Specifications	Bidders Specification	Compliance
Raman System		
250 mm or more focal length spectrophotometer		
Spectral Range- 50- 4000 cm^{-1} or more, Wave length range 200 - 2000 nm		
Spectral Resolution- 0.5 cm^{-1} or better FWHM		
Appropriate inbuilt calibration source at least two, for full spectral range.		
Spectrophotometer with high throughput (Kindly mention the % transmittance value)		
Gratings: 2400 gr/mm, 600 gr/mm ruled gratings		
Photoluminescence should be able to perform. PL range 500-1050 nm		
Objectives: 10x, 100x, 50x		
Raman filter set for 532 nm, ~50 cm edge filter, beam splitter and band pass filter		
ND filter or alternate technique to vary laser power 1 to 100%.		
Camera for sample viewing: ~3 Mega Pixel or better		
Laser		
Laser 532 nm, Diode Laser, 50 mW power or Higher at laser output		
Laser power stability ≤ 1% or Less		
Beam Diameter ≤ 1.2 mm		
Laser Line Width < 0.00019 nm or better		
100: 1 Polarization stability		
Power control must be software controlled preferably		
Fiber coupled or Direct coupled to microscope		
Detector		
CMOS or Back illuminated CCD Detector		
1 stage TE cooled to -60 °C or better		
QE > 90% @530 nm		
Pixel Size: 26 µm x 26 µm		
Dark Noise 0.001 e-/pixel/s		
USB Interface		
Software		
System- Window 10 based or Higher- License window 10 required		
Data acquisition software for instrument control, image capture for viewing and saving of images.		
Data processing software for baseline correction, auto fluorescence correction, sensitivity correction, curve		

19.05.21

19/5/21

19/5/21

19.5.2021

smoothing, etc., with other compatible application		
Accessories		
One Computer with the latest configuration- Dual core Processor or better, 8GB RAM, 1000 GB HDD or better; 24" or Higher LCD monitor, suitable UPS system		
Anti-Vibration Table; Closed chamber (Microscope/detector in closed system)		
Warranty		
3 years from the date of successful installation		
Installation and Training		
On- site Installation and Training by expert application Engineer		
Equivalent system should have been supplied to well-known research institution including IITs, IISc and CSIR Labs and the like. A user list must be enclosed		
Note: The system should have facility to upgrade in future as per following requirements; 325 nm He-Cd laser, 785 nm Diode laser; motorized scanning stage with integrated measuring system; Microscope heating cooling stage; or any other (provide complete user list of such items).		