

INDIAN ASSOCIATION FOR THE CULTIVATION OF SCIENCE

Jadavpur , Kolkata –32

Corrigendum Notice

Ref: NIT No. IACS/CSS/Dr. Amit Majumdar/2016-17/88, Dated: 07/02/2017

Please note the following additions/corrections:

Previous Version	Modified Version
Sample/Detector Positioning System: The instrument should include a fully automated high precision 3/4-circle goniometer with high precision and all axes and detector distance controlled through the system computer.	Sample/Detector Positioning System: The instrument should include a fully automated high precision 4-circle Kappa goniometer with high precision and all axes and detector distance controlled through the system computer.
X-ray Detector & Optics: (a) X-ray Detector: Complementary Metal Oxide Sensor (CMOS)/Hybrid Photon Counting Detector (HPC)/Hybrid Pixel Array detector (HPAD)/Charge-integrating Pixel Array Detector (CPAD) or any other advances or upgraded detector preferably with no dead areas for detecting the diffracted X-rays and accurately measuring their intensities of diffraction pattern from single crystal Active area of the detector: ~7cmx4cm or higher Readout time: 8ms or less The latest generation Charge Coupled Device (CCD) detector may be quoted	X-ray Detector & Optics: (a) X-ray Detector: Hybrid Pixel Array detector (HPAD) or Charge-integrating Pixel Array Detector (CPAD) or any other advances or upgraded detector (direct X-ray photon counting technology) preferably with no dead areas for detecting the diffracted X-rays and accurately measuring their intensities of diffraction pattern from single crystal Active area of the detector: 50 cm ² or higher Readout time: 20 ms or less The option of quoting latest generation Charge Coupled Device (CCD) detector separately is omitted and will no longer be considered.
X-ray Source: (a) Dual source configuration, Cu k alpha and Mo k alpha micro-focus sources with truly air-cooled technology. (b) Beam Optics: Graphite Monochromator with all other necessary accessories/ optics for using in both Molybdenum (Mo) and Copper (Cu) radiation.	X-ray Source: (a) Dual source configuration, Cu k alpha and Mo k alpha micro-focus sources with integrated cooling technology without any external chiller. (b) Beam Optics: Graded multi-layer optics.

UPS for the single crystal X-ray diffractometer system: Suitable 3 – phase input, 3 – phase output on-line UPS with digital signal processor (DSP) control double conversion with IGBT with latest version and at least 20 KVA or more rating capacity.	UPS for the single crystal X-ray diffractometer system: <i>Suitable on-line UPS</i> with digital signal processor (DSP) control double conversion with IGBT with latest version and <i>at least 10 KVA or more</i> rating capacity.
Installation in India: Detailed lists of Indian users with contact details for the quoted models. Preferably, there should be at least one same quoted model installed/ordered in India in last 3 years.	Worldwide Installation: Complete list of worldwide users (along with the contact details) of the quoted model must be provided.
New Conditions Added	
1. A proper and detailed description regarding the quoted detector material and technology along with all other technical specifications must be provided in the technical bid. 2. Bid security money/Earnest money deposit (EMD) may also be submitted in the form of Bank Guarantee. 3. The bidders may be asked to deliver presentation and provide clarifications regarding technical aspects during the technical bid opening session. They must come prepared.	

All other terms & Conditions shall remain unchanged in the above mentioned NIT.

Acting Registrar