

## Corrigendum 01

**Tender No:** RCB/GTE/04/24-25/XRD

**Tender Name:** Supply, installation and commissioning of X-Ray Diffraction System at Regional Centre for Biotechnology Faridabad 121001.

This is to intimate that the tender number RCB/GTE/04/24-25/XRD Dt. 06.12.24 for “X-ray diffraction” at NCR Biotech Science Cluster, Faridabad; the following specifications have been modified.

Specification Number	Current	Modified
3	The generator should be supplied with a suitable collimator, beam stop and inverse-phi goniometer system, and modern goniometers with magnetic bases. The multi-axis goniometer should be capable of handling microcrystals. The option of opening the second port for use should be provided.	The generator should be supplied with a suitable collimator, beam stop and modern goniometers which cover kappa axis, 2 theta axis, omega axis and phi axis with magnetic bases. The multi-axis goniometer should be capable of handling microcrystals. The option of opening the second port for use should be provided.
5	The system should be easy to maintain, and appropriate spares (such as two spare anodes) should be provided with the system to ensure minimum downtime.	The system should be easy to maintain, and appropriate spares (such as one spare anode) should be provided with the system to ensure minimum downtime.
8	fully automated, motorized stage with an integrated video microscope for detecting, centering and screening of crystals in multi-well plates should also be provided. It should be possible to collect at least 60 deg. of the data from crystals in the plates.	fully automated, motorized stage with an integrated video microscope for detecting, centering and screening of crystals in multi-well plates should also be provided. It should be possible to collect at least 40 deg. of the data from crystals in the plates.
11	Computer-controlled, motorized diffraction detector that allows data collection to high resolution with high dynamic range and signal/noise ratio. The detector should be capable of operating in shutterless data acquisition mode, should combine photon counting and integration and should have a large active area of 140 x 200 mm <sup>2</sup> or better suitable technology. The DQE should be 100% @8.1 KeV. The diffraction frames obtained from the detector should be of a format compatible	Computer-controlled, motorized diffraction detector that allows data collection to high resolution with wide dynamic range and high signal/noise ratio. The detector should be capable of operating in shutterless data acquisition mode.  Should combine direct photon counting (HPC/HPAD) and integration. Should have a large active area of 77 x 79 mm <sup>2</sup> or better. Read-out time of <1 μsec

	with commonly used data processing programs such as iMosfilm and Scalepack.	or faster. Pixel size: 100 $\mu\text{m}$ or less.  The diffraction frames obtained from the detector should be of a format compatible with commonly used data processing programs such as iMosfilm and Scalepack.
15	Two Computers of appropriate specs and necessary software for operation of the generator and detector, data collection from protein crystals, and for diffraction data processing. Each computer to have a minimum 20TB storage space, monitor, keyboard, mouse and appropriate size UPS.	In addition to the PC provided by the factory for control of the machine, the firm should provide two additional computers of following specs Equivalent of Intel Xeon W1250 processor or better with minimum 6 Cores and at least 12 MB cache, 3.30GHz Base. RAM:16GB or better 250GB SATA SSD for OS 20TB SATA HDD for storage 1X Nvidia Quadro 8GB graphic card 1X23.8" FHD(1920*1080)LED monitor. Standard key board and mouse Preinstalled with software for diffraction data processing. Each computer to have a minimum 20TB storage space, monitor, keyboard, mouse and appropriate size UPS.
23	POST WARRANTY COMPREHENSIVE MAINTENANCE CONTRACT (CMC): The post-warranty (after 5 years) <b>CMC for 5 years</b> should be quoted for spares and labor for the complete system, which includes all the accessories supplied such as UPS, etc. All local items should be quoted in Indian Rupees. Other items should be quoted in respective foreign currencies; however, conversion of foreign currency into rupees is to be done taking into account the B.C. Selling rate of State Bank of India on the date of opening of price bid. The technical and financial bids should be separately provided. NOTE: FAILURE TO COMPLY WITH THIS CONDITION WILL ENTAIL THE REJECTION OF THE BIDS. THE PRICE COMPARISON SHALL BE MADE TAKING INTO ACCOUNT BASIC PRICE AND POST WARRANTY CMC	No change
31	Sr. No. 31 - SPARE PARTS: The separate price list of all spares and accessories and consumables, if any,	Sr. No. 31 - SPARE PARTS: The separate price list of all spares and accessories and consumables, if

	(Including minor) required for maintenance and repairs in future after guarantee/warranty period must be attached/enclosed along with the sealed quotation (Financial Bid) failing which quotation will not be considered.	any, (Including minor) required for maintenance and repairs in future after guarantee/warranty period must be attached/enclosed along with the sealed quotation (Financial Bid) failing which quotation will not be considered.
	EMD – 13,00,000/- EMD shall be paid on eWizard	
	Payment Terms - 100% payment would be made on receipt of goods in good condition and acceptance	
	Delivery - The Delivery Period is maximum 60 days from date of issue of Purchase Order against the Contract.	Delivery - The Delivery Period is maximum 180 days from date of issue of Purchase Order against the Contract.
		All quote price should be valid for 1 year.

All other specifications and terms and conditions of the aforementioned tender remain unaltered.

**-Sd xxx-**  
**Tender Inviting Authority**