

Enquiry No. IITGOA/2018-19/078

Date: 11/02/2019

**Corrigendum to the Tender for supply of High-Resolution X-Ray Diffraction (XRD) System
vide Enquiry No. IITGOA/2018-19/078 dtd. 21/01/2019.**

For the tender for supply of High-Resolution X-Ray Diffraction (XRD) System at IIT Goa, the following clauses / paragraphs have been modified:

In specifications, following points are amended:

Type	Technical Specification	Amendment in specification
Goniometer	Goniometer 2theta Measurement range : -30 deg to +160 deg or better	Goniometer 2theta Measurement range : -10 deg to +160 deg or better
Best Achieved resolution (FWHM) on Lab6 NIST SRM 660a	The Instrument should have a best FWHM of 0.028deg on LaB6 SRM 660a or better with quoted detector. Proof in the form of printed literature of authentic factory date on LaB6 SRM 660 sample should be submitted along with tender bid.	The Instrument should have a best FWHM of 0.028deg on LaB6 SRM 660a or better with quoted detector. Proof in the form of printed literature of authentic factory date on LaB6 SRM 660 or NIST traceable 1976 Corundum sample should be submitted along with tender bid.
Minimum Necessary Sample Stage & Sample Holders	Suitable sample stage for GI-XRD analysis on thin films should be offered. The instrument should have facility for Z correction.	A Cradle with Phi , Kai and Z movement should be quoted for the Thin Film, Texture and Residual Stress
Optics Incident Beam for Line Focus – Powder & Thin Film Analysis	Incident Soller Slit ~2.5°. Additional Soller Slit ~ 1.15° should also be supplied.	Incident Soller Slit ~2.5°. Additional Soller Slit ~ 1° or 1.15° or 1.5° (based on the geometry) should also be supplied.
Optics Diffracted Beam for Line Focus – Powder & Thin Film Analysis	Receiving Soller Slit ~2.5°. Additional Soller Slit ~ 1.15° should also be supplied.	Receiving Soller Slit ~2.5°. Additional Soller Slit ~ 1° or 1.15° or 1.5° (based on the geometry) should also be supplied.
Detector	- Minimum number for Channels / Strips / Pixel – 250 or above on both X and Y Direction - Total No of Pixel should be – 62500 no's or above.	Total No of Pixel should be – 40000 no's or above.

The last day for submission of bids has been extended to 18/02/2019 till 17:00 Hrs.

All other terms will remain same.

Sd/-
Assistant Registrar