



INDIAN INSTITUTE OF TECHNOLOGY
KHARAGPUR – 721 302

No. IIT/CY/P/EQ-12/2018 – 19

Dated 5th September, 2018

CORRIGENDUM

[Ref. : No. IIT/CY/PLAN/EQ-12/2018-19 Date: 30th August, 2018]

The Specification at **Annexure – I** of the Tender Notice referred to above has been revised as under :

Please read at point 5 as :

5.	<p>X-ray detector:</p> <ul style="list-style-type: none">* State of the art latest technology HPAD/HPC/CPAD/MMPAD X-ray detector to be offered. The detector should be capable of detecting the diffracted X-rays with no dead areas and accurately measuring their intensities of diffraction pattern from single crystal.* The detector should have high signal to noise ratio with virtually noise free readout electronics and should be capable of true shutter-less operation, with auto air cooled facility.* The dynamic range of the detector should be very high (ideally more than 20 bits/pixel) to be able to capture very weak as well as very strong reflections on a single frame.* Ideally The X-ray detector has to avoid losses due to fiber-optic stubs / tapers in its construction and should have a point spread function of 1 pixel or less for enhanced spatial resolution of the diffracted signal.
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In place of :

5.	<p>X-ray detector:</p> <ul style="list-style-type: none">* State of the art latest technology HPAD/HPC/CPAD/MMPAD X-ray detector to be offered. The detector should be capable of detecting the diffracted X-rays with no dead areas and accurately measuring their intensities of diffraction pattern from single crystal.* Active area of the detector: ~ minimum 30 cm² for HPAD/HPC detector and minimum 100cm² for CMOS/CPAD/MMPAD detector* The detector should have high signal to noise ratio with virtually noise free readout electronics and should be capable of true shutter-less operation, with auto air cooled facility.* The dynamic range of the detector should be very high (ideally more than 20 bits/pixel) to be able to capture very weak as well as very strong reflections on a single frame.* Ideally The X-ray detector has to avoid losses due to fiber-optic stubs / tapers in its construction and should have a point spread function of 1 pixel or less for enhanced spatial resolution of the diffracted signal.
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All other entries in the above mentioned tender notice remain unaltered.

Head, Department of Chemistry
IIT Kharagpur

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