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08.03.2021

Department of Mechanical Engineering

Corrigendum-1

Tender Reference no: ME/2021/IOECOE/124/POLARIZING

Name of the Item: Polarizing Microscope with camera module

Corrigendum details: Extension of Bid Submission Date and Changes in Technical specification.

Extension of Bid Submission Date:

The due date for the submission of bids has been extended to 22/03/2021 @ 3 PM & the technical bid opening is 22/03/2021 @ 4 PM

Changes in Technical specification:

7	1	Polarizing Microscope with camera module	<ol style="list-style-type: none">1. Polarization microscope to investigate crystalline structures and optical properties of materials with high magnification (upto 100x) working in reflected and transmitted light microscopy modes.2. The nosepiece should have the specifications of at least 5x positions and should be centerable.	
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			<ol style="list-style-type: none">3. The usable field of view of the eyepieces should be 25/22 mm.4. Microscope optics should be infinity corrected with appropriate tube length. Illumination in both reflected and transmitted modes should be Constant Color Intensity by advanced LED technology.5. Separate LED Lamp Housing illumination for reflected and transmitted light microscopy.6. The microscope should be enabled with illumination and contrast management.7. Bertrand lens for conoscopy and 1.6x magnification changer are needed.8. Universal objectives with 5X, 10X, 20X, 60 to 70X and 100X magnifications for Bright Field, Dark Field, polarizing imaging applications. Include long working distance objectives for 20x and 50x suitable for fluorescent imaging.9. Digital Colour camera and imaging software: High-resolution digital colour camera with minimum 3.0 Megapixels resolution, Colour Depth : 30 bits or	
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			<p>higher; A/D converter: 10bit or higher, Frame rate: 25frames per sec or higher, USB 3.0 connection, with C-mount</p> <p>10. Possibility to upgrade for flourosence microscopy applications in future.</p> <p>11. Possibility to integrate heating stage to the microscope in future. The vendor should quote the price (as an optional item) of the clamps required for heating stage integration.</p> <p>12. 360° rotatable polarization stage with verniers, 45° click stop position and brake.</p> <p>13. The polarization microscope should have a focus drive with 25-mm stage stroke coarse and fine drive. Fine drive : 0.2 mm per turn of the knob. Coarse drive : 3.5 mm per turn of the knob with motorization as an optional facility.</p> <p>14. The analyzer should be 360° rotatable with the option of fixing.</p> <p>15. 360° polarizers for incident and transmitted light, fixed polarizer with 0°, 45°, 90° positions and lambda plate are mandatory.</p>	
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			<p>16. This Equipment should have been supplied to at least 2 IIT's, IISER or NIT's or any other government research laboratories. User certificate should be produced.</p> <p>17. One year warranty is required on site.</p> <p>18. Please provide quotation for additional warranty.</p> <p>19. Optional Items but Mandatory to Quote: a) The items required for fluorescence microscopy b) The clamps required for integrating the heating stage c) The camera module with 5 Megapixel or higher.</p>	
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Tender Inviting Authority:

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