

UNIVERSITY OF CALCUTTA



INSTITUTE OF RADIO PHYSICS AND ELECTRONICS

Project: "Development of III-Nitride white and ultra violet light emitting diode technology for green energy and societal impact" Funded by the Office of the Principal Scientific Advisor, Govt. of India

PI: Anirban Bhattacharyya

NOTICE INVITING TENDER

NIT NUMBER: EQ/LEDs-PSA/ABh/5/18-19

DATE: 17/4/2018

Tenders Are Invited From Bona Fide Vendors For The Following Items:

Image Acquisition system for RHEED pattern for the CRNN Molecular Beam Epitaxy System, consisting of:

CMOS Scientific Digital Camera with Video Lens and Display Unit

- Live Resolution: 10.0 MP
- Active resolution: 3664 x 2748 (10MP)
- Sensor Type: CMOS
- Optical Calculation 1/2.3" [Chip Size]
- Focusable Lens: 12mm
- Pixel Size: 1.67 x 1.67µm
- Progressive scan Mode
- Auto white balance facility
- Shutter: Automatic-Manual S/W Control
- 2.0 USB with 5V self-power from computer
- Images analysis Software from same brand should have
 - Instant Image Capturing facility with Real time full screen image
 - Capable of programmed Interval Captures and video capture by time settings.
 - Calibration with standard Calibration Scale [should come with the camera]. Provision for three measurement i.e microns, inches & millimeters.
 - Measuring of Length, Ellipse, Rectangle, Irregular Shape, Perimeter, Radius, Angle and Circumference.
 - Zoom function
 - Distant Image Sharing, On-line files sending / receiving.
 - Image amalgamation, Image Adjustment Effects
 - Data Export, Report Generating and Print Out, Interactive File Format

Display unit

Video front lens 1:1.4/3.3-8 with Wide/Tele facility for live imaging

Necessary attachment, coupling, Adopter with focusing arrangement to hold the camera with the MBE System.

All bids should be complete in all respects. The Vendor must provide documents for GST, PAN, Trade License, Bank Details etc. Payment mode: Payment after delivery, installation and commissioning.

Last Date for Tender Submission: 26/4/18

For submission of tender and any queries, please contact:

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