

**NORTH EASTERN HILL UNIVERSITY**  
**Department of Biotechnology and Bioinformatics**  
**PROJECT: “Elucidation of mechanism of action and anti cancer activity of novel iminoenamine derivatives to treat androgen independent prostate cancer”**

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**Ref. No. : F.11/Purchase/AB/2017**

**Date: 14.07.2017**

**NOTICE INVITING QUOTATIONS-**

**\*\* (LAST DATE FOR RECEIVING QUOTATIONS IS EXTENDED TILL 11/08/2017 TILL 4PM)**

Sealed Quotations are invited from reputed manufacturers/authorized agents for supply and installations of the following equipments as per the specifications listed below

*Name of the instrument/equipment/item:*

**INVERTED SYSTEM (1 No.)**

One Inverted System with the following specifications is required:

- Imaging modes: Fluorescence, bright field and color bright field
- Imaging methods: Multi-color, montage, time lapse, Z-stacking
- Image processing: Z-projection, stitching
- Camera: 16-bit gray scale, Sony CCD, 1.25 megapixels, 0.3 um/pixel at 20X
- Objective capacity: 6-position turret for user-replaceable objectives.
- Image filter cube capacity: 4 user replaceable fluorescence cubes plus brightfield channel
- Fluorescence turret: Provision for Six nos.
- Stage: motorized
- Autofocus: Image/user trained autofocus/Laser based autofocus
- Compatible software for image acquisition and analysis
- Light source for imaging: high power LED
- Object: 20X (minimum)
- Imaging Filter Cube: Red ,Blue, Green and Dapi with compatible LED
- Imaging labware: Should be compatible for 96 and 384 well plates, microscope slides, flask (T25)

In addition, it is strongly preferable to having the following features in the system for detection and reading of samples:

Detection Modes: UV VIS absorbance, Fluorescence intensity, Luminescence (glow), TRF, FRET assay detection.

1) Absorbance: 230-800 nm monochromator based with 1 nm increment

Read method endpoint, kinetic, spectral scanning, and well area scanning.

OD range: 0-4 OD

2) Fluorescence Intensity: 250-700 nm (QUAD MONOCHROMATOR TOP & BOTTOM WITH 1 NM INCREMENT)

Bandwidth variable from 9 to 50nm

Dynamic range >6 decades

Reading method: both top probe and bottom probes are required

Detector: PMT

3) Luminescence 300-700 nm

Dynamic range >6 decades

Sensitivity >35 amol atp

Light source for absorbance: Xenon flash lamp

Detector for absorbance: Photo diode

Shaking modes: Linear orbital and double orbital


Temperature control: Incubation to 45 degree with condensation control.

Plate compatibility: 6-384 well plate

The system should be upgradable and should have future provision for ALPHA Screen

### **General Terms and Conditions**

- 1) All interested suppliers/ vendors/manufacturers shall send their bids following address: Dr. A. Bhattacharjee, Principal Investigator, Project: “Elucidation of mechanism.....”, Department of Biotechnology and Bioinformatics, NEHU, Shillong.
- 2) The quotation should be submitted through post within 21 (**Now 28 Days After Extension**) days of issue of this notice (Earlier- 04.08.2017 till 4 pm, **Now Last Date for Receiving Quotations is extended till 11/08/2017 till 4Pm**). Bids received after due date by post will not be considered (the university shall not be responsible for any postal delay).
- 3) Separate technical and financial bids should be submitted in a sealed envelope.
- 4) The Department Purchase Committee (DPC) can accept or reject the quotations received without assigning any reasons to the bidders. No queries in this regard would be entertained.
- 5) No separate tender paper will be issued from the office: one should only download the specifications/list from the university website.
- 6) The rates should be quoted on FOR Dr. A. Bhattacharjee, Principal Investigator, Project: “Elucidation of mechanism.....”, Department of Biotechnology and Bioinformatics, NEHU, Shillong basis.
- 7) Items of foreign origin should have insurance up to installation on site.
- 8) The rates should be inclusive of all taxes, freight charges and applicable tax as per norms should be clearly indicated.
- 9) Quoted rates should be valid at least for a period of 6 months.
- 10) The rates should be quoted along with supporting documents of specifications and technical features.
- 11) Details of availability of after sales support and warranty period shall have to be furnished during application through post only to address mentioned below
- 12) The item should be of good quality which should be delivered, installed and free training should be given without any additional costs.
- 13) Payment will be made to successful bidders only upon completion of supply and installation of the equipments and bills in triplicates have to be submitted for settling of payment.

  
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