

**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 independant prostate cancer”**

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

**Date: 23.05.2017**

**NOTICE INVITING QUOTATIONS**

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:***

**1. Two deck inverted system**

The system should have the following minimum specifications:

The system should have the inverted microscope

Imaging: Imaging Method: Minimum of single colour, montage, with time laps and z-stacking

Imaging mode: Fluorescence and brightfield with upgradation option for Phase Contrast

Camera 16 bit grayscale

Object capacity: Minimum 2 user replaceable

Light source for imaging high power LED

Image based autofocus

Objective: 4X (Minimum, higher magnification is preferred)

Imaging filter cube: At least green along with compatible LED

Imaging labware compatibility 96 and 384 well plates, microscope slides, flask(T25)

Provision to have multiple objectives in future

The system should have following detection modes

*Detection Modes* : UV VIS absorbance, Fluorescence intensity, Luminescence(glow)

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

The system should also be able to read method endpoint, kinetic, spectral scanning, 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

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 double orbital

Temperature control: Incubation to 45 degree with condensation control.

Plate compatibility: 6-384 well plate

The system should be upgradable

## **2. CO2 Incubator**

### **The system should have the following specifications**

Incubator with CO2 gas infusion

Temperature range should be from 4 °C above ambient to 50 °C.

The system should have perforated platform for shaking and speed should be between 25 – 400 rpm in addition to static platform

Platform should accommodate flasks up to 4/5 liters.

The system should be supplied with CO2 cylinder and regulator.

### **General Terms and Conditions**

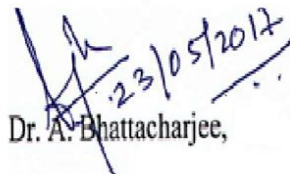
- 1) All interested suppliers/ vendors/manufacturers shall send their bids following address: Dr. A. Bhattacharjee, Principal Investigator, Project: “Elucidation of mechanism.....”, Department of Biotechnology and Bioinformatics, NEHU, Shillong
- 2) The quotation should be submitted through post within 21 days of issue of this notice (13.06.2017 till 4 pm). 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 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.

Handwritten signature and date: 23/05/2012  
Dr. A. Bhattacharjee,

(Project PI)

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