

# THE UNIVERSITY OF BURDWAN

Registrar



Contact details (office):  
P.O. Rajbati, Burdwan,  
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## Notice Inviting E-Quotations

Ref. No.: R-S/E-35/14

Date: 14/01/19

E-Quotations through WB Govt portal are here by Invited from the Manufacturer or their authorized representatives or reputed vendors for supply and installation of **Bio-Analysis platform** as per detailed specifications (**Annexure –I**) for DBT funded Project, under Prof. Anupam Basu, Principal Investigator (PI), Department of Zoology, The University of Burdwan. The quotation must be submitted through **on line only**.

1. Interested bidders should download the Notice Inviting **E-Quotations** and Bill of Quantities (BOQ) format from the e-portal [www.wbtenders.gov.in](http://www.wbtenders.gov.in) and upload their tenders online through the same e-portal. The documents are to be signed digitally using Digital Signature Certificate (Class – II or Class – III) while uploading. This Notice Inviting **E-Quotations** is also available on the website of The University of Burdwan.
2. **Quotation** should be accompanied with separate technical and financial bid. The Technical bid should include the detailed specifications with supporting brochures. All items should be numbered as indicated in the Annexure-I (Any deviation should be clearly mentioned and supporting document should be submitted).
3. Bid documents may be scanned with 100 dpi with black and white option which helps in reducing size of the scanned document.
4. Hard Copy of the sealed technical bid along with original signed and stamped Brochures/leaflet and compliance sheet should be submitted to the office of the PI.
5. Bid shall remain valid for a period not less than 60 (sixty) days from the last date of submission of Financial Bid.
6. Only those financial bids will be opened whose technical bids are recommended
7. No separate information shall be given to individual bidders. In intricate situation, the committee may negotiate price with the technically and financially qualified submitter.
8. The Technical Bid must contain following signed and scanned documents: Statutory Cover containing the following documents :
  - (i) Complete specification as per Annexure –I
  - (ii) Warranty information as per applicable parts/ module wise or whole platform.

**10. Financial Bid :** The Price must be quoted as per Burdwan university destination price (FOR) with applicable charges, GST should be of as per applicable, we will provide the GST /Tax reduction certificate. The financial bid should contain the Bill of Quantities (BOQ) with single total value comprising all the accessory modules or separate accessory module wise.

11. The shipment must be in the name of “Prof, AnupamBasu, (PI), Dept. of Zoology, Golapbag, The University of Burdwan, Rajbati, Burdwan, 713104, West Bengal, India”.

12. The acceptance of quotation will best on technical compliance.

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13. **PRICES** : F.O.R. Destination, Burdwan University . Payment will be made after installation.  
Taxes: GST or custom duty as per applicable, we will provide GST reduction or Custom exemption certificate as per need. Payment will be made after installation

14. Important dates:

|    |   |                        |
|----|---|------------------------|
| 1. | Date of uploading of N.I.T. & other Documents (On line) (Publishing Date) | 14/01/2019             |
| 2. | Documents download start date (On line)                                   | 14/01/2019             |
| 3. | Documents download end date   | 29/01/2019             |
| 4. | Bid submission start date   | 14/01/2019             |
| 5. | Bid Submission closing date   | 29/01/2019 at 11.00M   |
| 6. | Technical Bid opening date  | 31/01/2019 at 01.00 PM |
| 7. | Date of uploading list for Technically Qualified Bidder                   | To be notified later   |
| 8. | Date for opening of Financial Proposal                                    | To be notified later   |

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## Annexure -I

### **Technical Specification**

Quotations are invited for the purchasing of the **Bioanalysis Platform** for DNA, RNA and protein analysis with following Modules from the appropriate vendors or original distributors or manufacturer or Indian subsidiaries of foreign origin .Main module and accessory modules should be quoted with model number, make and appropriate part number as per applicable .

**Main Module** : This module can analyze DNA, RNA, and protein quantification with followings:

Module should use as little as 1  $\mu$ L of sample

Sensitivity range for dsDNA of 0.5 ng/mL (10% CV)

Dynamic range (dsDNA) of 0.5 ng/mL to 5  $\mu$ g/mL

sample concentration range of 10 pg/ $\mu$ L to 1  $\mu$ g/ $\mu$ L DNA

able to measure intact vs degraded RNA

able to provide on board RNA IQ – Integrity and Quality values

able to accurately measure viable RNA with new RNA

Able to read for doublestranded DNA for NGS, PCR and genotyping applications

**Accessory Module 1**: This accessory module should able to deliver DNA or RNA for *in vitro* culture set up with following settings .

provides fast & efficient delivery of nucleic acids upto 90% efficiency into variety of mammalian cell types (primary cells, stem cells ).

Open system allows to be optimized freely.

**Accessory Module 2**: Imaging and analyzer for microscopic object :This module should able to detect Florescence tag protein with following specification for Imaging and analysis of microscopic object :

Objectives: 4X,10X,20X, 40X, 100X Oil(PA/FL)

**Trinocular Head** : Binocular Inclination And Trinocular Port For Camera Attachment.

Eyepiece Tube With Mechanical Body And Stage Sub Stage Condenser .

Transmitted Illumination with Reflected Type Fluorescence Illumination System

Fluorescent Excitation Filter : Blue (Green Emission), Green (Red Emission), V (Violet) & / UV (Ultra violet or Light Blue emission)

5.5 Mega Pixel Camera image on HDMI mode: , 60fps at 1080P, fast framerate, Also support HDR. Support SD Memory card, Max 32 GB ,FULL HD CMOS sensor

Online Measurement as well as Analysis Software (Own Copyright) with Provision to open 1 to 4 cameras at a time. Measurement on live zoom preview. Capture still and video format Capture at time interval ( Time Lapse ). Instant image capturing. Real time full screen image Programmed interval captures. Video capture by time settings. Easy measurement calibration. Background correction. On line ( Live ) Measurement in microns, inches, millimeters, Length measurements, Ellipse, Rectangle, Irregular shape

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measurements, Perimeter, Radius, Circumference measurements, Angle measurements. EDF, Stitching.

Magnifier (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. Scale Bar Facility.

## **Terms and Conditions:**

- (i) Quotations accompanied with all the above three modules will be accepted. If quotation is devoid of any modules or accessories will be rejected.
- (ii) **All the above modules will be supplied with startup kits for all functional capacity.**
- (iii) **Warranty:** Onsite warranty 1 year with extended another year .
- (iv) **INSTALLATION& TRAINING:** onsite Installation and Training will be provided as per users requirements ( at least 4 time within one year after installation)
- (v) **PRICE :** F.O.R. Destination, Burdwan University

Taxes: GST or custom duty as per applicable, we will provide GST reduction or Custom exemption certificate as per need.

Payment will be made after installation