

# THE UNIVERSITY OF BURDWAN

**Registrar**



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

**Ref. No.: R-S/E-35/116\_R2**

**Date: 05/07/2018**

E-tenders are hereby invited for the item as per detailed specifications (**Annexure – I**) from the Manufacturer or their authorized representatives in India for supply and installation of **Multicolor Flow cytometer** for DBT Project, under Prof. Anupam Basu, Principal Investigator (PI), Department of Zoology, The University of Burdwan. The tender must be submitted through **on line only**, and must be addressed to : Prof. Anupam Basu, Principal Investigator (PI), Department of Zoology, The University of Burdwan, **Burdwan 713 104, INDIA**.

1. Interested bidders should download the Notice Inviting e-Tender (NIT) 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-Tender is also available on the website of The University of Burdwan.
2. Bid should accompanied with separate technical and financial bid. The Technical bid should include the detailed specifications of main item/equipment and optional items . 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 technical bid along with original signed and stamped Brochures/leaflet and compliance sheet must be submitted to the aforesaid address.
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 by the Technical committee duly constituted by the administrative authority.
7. No separate information shall be given to individual bidders. In incomparable situation, the committee may negotiate price with the technically and financially qualified bidder before awarding the bid.
8. All the prices must be quoted in Foreign Currency (for imported items) & INR for local items as per applicable .
9. The Technical Bid must contain following signed and scanned documents: **Statutory Cover containing the following documents :**
  - (i) Technical Compliance sheet as per attached format (Annexure-II)
  - (ii) Warranty undertaking as per attached format (Annexure-III)
  - (iii) Principals' authorization

### 10. Financial Bid :

a. The financial bid should contain the Bill of Quantities (BOQ) corresponding to this tender, which is available on the tender webpage as an MS-Excel file. Separate price may be quoted for flowcytometer and for each optional items as per applicable

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**b. Total price and selection** of the bidder may be calculated based on the price of flow cytometer and along with the price and best offer of the optional items. Order of the respective optional items along with the flowcytometer will be the desecration of the PI, TC and PC based on the availability of the fund.

11. Rate should be given both in words and figures clearly in the quotation. If there is any discrepancy between the words and figures, the amount in words shall prevail, unless the amount expressed in words is related to an arithmetic error, in which case the amount in figures shall prevail subject to above.

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

13. The acceptance of quotation will rest on the technical committee and the Principal Investigator of the project and not bound to accept the lowest quotation and reserves the right to reject, or partially accept any or all the quotations received without assigning any reason.

14. Payment will be made on bill basis after the receipt of the item in good condition, its satisfactory installation and commissioning at out site by e-payment. In case of Import, payment shall be made through **Foreign Demand Draft**/Letter of Credit (L/C) /Wire transfer. In case of FDD the FDD only handed over after the successful installations.

15. Important dates :

1.	Date of uploading of N.I.T. & other Documents (On line) (Publishing Date)	05/07/2018
2.	Documents download start date (On line)	05/07/2018
3.	Documents download end date	21/07/2018
4.	Bid submission start date	05/07/2018
5.	Bid Submission closing date	21/07/2018 11 AM
6.	Technical Bid opening date	23/07/2018 11 AM
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***

	<b>Specification point</b>	<b>Descriptions</b>
1	Instruments Platform or system	<b><i>Multicolor High End Flow Cytometer</i></b>
2	Laser	Quoted system should Following 3 essential solid state lasers: - a. 405nm violet laser b. 488nm blue laser, c. 630-640nm red laser
3	Detectors	Quoted system should be equipped with PMT detectors or PMT like any equivalent detector of same properties. violet laser should have <b>at least 6</b> detectors
4	Parameters	Quoted system should measure <b>at least twelve fluorescence parameters</b> and excluding forward and side scatter detection
5	Sample collection rate	Quoted system should able to acquire 20000 events/second or higher sample collection rate
6	Cell counting	The system should be capable of doing absolute cell counting both with or without reference beads
7	Optional upgradable Plate loader module	Quoted System must be upgradable with high throughput plate loader module for various high throughput applications of 96 well plates or higher directly.
8	Acquisition and analysis software	Quoted System software should be capable of establishing baseline settings of system performance and be able to adjust for instrument variability thereby automating instrument setup leading to consistent & reliable results. Able to perform automatic and manual compensation. Able to produce both or either FCS 3.0 and FCS3.1 file format.
9	Workstation and power backup	Quoted System accompanied with Latest compatible workstation (computer, Monitor etc.) containing colour laser printer of better quality. Compatible online UPS (backup of 30 min or better) should be provided with the quoted system.
10	Starter kit	Quoted System should be provided with Starter kits as per applications, FACS Tubes, calibration, reagents and sheath fluid to be provided for startup use.
11	structured training	The structured training by the manufacturing company should be provided on different application of Flow cytometer at their own training center in India free of cost.
12	Application training and support	Vendor must provide onsite user training and application support as per user needs (minimum of 4 training /per year with span of 3 years by expert application specialist.
13	Reference support	quoted model should preferably have minimum of at least 5 installation at the government research institute in India
14	Warranty	Comprehensive warranty for 2 years should be provided for all the instrument parts, spares including all lasers from the date of installation,

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15	Delivery and installation	Vendor must ensure clearance of the instrument from customs and deliver the system at Burdwan University campus without any extra charges. However, all the necessary documents (e.g. DSIR Certificate, customs duty exemption, Authorization letters, Declaration letters, Way Bill/Road permits or others etc.) will be provided as per requirements. Vendor must agree to install the system at their own cost in Burdwan University.
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### **Optional items**

Additional Warranty	Compressive additional one year warranty
Associated Instruments	System may be provide with associated instruments – incubator, centrifuge; vortex mixture; and 4 <sup>0</sup> Freezer .
Set up fabrication	Vendor must make necessary associated set up fabrication of the installation room for the installation of the system as per user direction.
Additional workstation and software	System should be provided with an extra copy of acquisition and analysis software along with separate suitable computer workstation for offline analysis.

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### Annexure –II Technical compliance sheet

	<b>Specification point</b>	<b>Descriptions</b>
1	Instruments make and Model	Make :----- Model:-----
2	Laser	Quoted system contain Following 3 essential solid state lasers with laser powers : - a. 405nm violet laser: YES Laser power : --- b. 488nm blue laser: YES Laser power : --- c. Red laser: wave length --- Laser power : ---
3	Detectors	Detector type PMT/other If other technical description:
4	Parameters	Total Number of parameters:-----
5	Sample collection rate	Events/second:-----
6	Cell counting	Cell counting type:----
7	Optional upgradable Plate loader module	Upgradable Plate loader module -YES
8	Acquisition and analysis software	Software modules:----- Out put file format: FCS 3.0 / FCS3.1 or both
9	Workstation and power backup	<u>Workstation Details-</u> Hardware configuration: Colour laser printer configuration: online UPS configuration Backup time :
10	Starter kit	Starter kits description and quantity :---- FACS tube quantity:---- Calibration Reagents description and quantity :----- Sheath fluid quantity: -----
11	Structured and application training	Agreed for Structured and application training as per Annexure -I
12	Reference support	Number of Installations of quoted model with name of the academic institutes (Please attached reference letters):-----

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13	Warranty	Separate warranty declaration undertaking is attached.
14	Delivery and installation	Agreed as per Annexure -I

### Optional items

1	Additional Warranty of one year	Agreed
2	Associated Instruments	Incubator (make and Model and Specification) : Centrifuge: (make and Model and Specification) : Vortex mixture:( make and Model and Specification) 4 <sup>o</sup> Freezer (make and Model and Specification):
3	Set up fabrication	Agreed
4	Additional workstation and software	Description of Additional workstation and software:

Name and designation of authorized signatory:

Signature with seal :

Date:

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**Annexure –III**  
***(In principal's letter head) :***

**Warranty Declaration**

This is hereby we are undertaking for providing comprehensive warranty for ----- years from the date of successful installation of the system and “everything to be supplied by us hereunder shall be free from all defects and faults in material, workmanship and shall be of the highest quality and material of the type ordered, shall be in full conformity with the specification and shall be completed enough to carry out the experiments, as specified in the tender document.” If any item fails, the same shall be replaced free of cost including free shipping cost both ways.

Name and designation of authorized signatory:

Signature with seal :

Date: