Registrar

Tender Ref. No. ZOO/SERB/AMB/Equip/24-25/01   **Date: 24/06/2024**

Tender Inviting Authority: Registrar, The University of Burdwan (BU), Rajbati, Purba Bardhaman-713104, West Bengal (hereinafter referred as Tender Inviting Authority unless the context otherwise requires)

Tender Accepting Authority: Project (**CRG/2023/0736**) Purchase Committee, Department of Zoology, The University of Burdwan (hereinafter referred as PPC, unless the context otherwise requires).

Tender Inviting Authority invites tender through online bid submission at website https://wbtenders.gov.in for procurement of **Nano drop Spectrophotometer, Pure and Ultrapure Water Purification System (Millipore, Sartorius, Mettler, Thermofisher, etc.), Microbalance, Push Pump for Volatile Collection and Pull Pump for Volatile Collection** for DST-SERB, GOI, sponsored Research Grant at Department of Zoology, BU**, PI: Dr. Anandamay Barik** from the Original Equipment Manufacturer (OEM) or their representatives in India. The tentative quantity and the required items of each are mentioned at **Annexure-III separately.** The tender must be submitted through **online only**, and must be addressed to: **Dr. Anandamay Barik, PI, DST-SERB Project, Department of Zoology**, The University of Burdwan, Burdwan 713 104, INDIA. **A Copy of the technical details only** (Brochures/leaflet/compliance cart etc.) must be submitted through email at **abarik@zoo.buruniv.ac.in.**

Tender No: Ref. No.: Ref. No. ZOO/SERB/AMB/Equip/24-25/01, Dt. 10/06/2024			
Critical Dates			
Published Date		*Document Download end date*	
Document Download start Date		*Bid Submission end Date*	
Bid Submission Start		*Bid opening Date*	*To be Notified latter*

Tender Document contains.

THE UNIVERSITY OF BURDWAN

Registrar

Contact details (office):
P.O. Rajbati, Burdwan, PIN-713104
Ph.: 0342-2634015
0342- 2656549/2656566/2558554 ext-296
e-mail: registrar@buruniv.ac.in
Tele Fax: 0342-2634015

Annexure-I

Instruction to bidders

1. For e-filing, intending bidder may download the e-tender documents from the website **https://wbtenders.gov.in** directly with the help of Digital Signature Certificate.

2. **Eligibility criteria:**

    a. The tenderer shall be an original item Manufacturer or qualified Indian Agents.

    b. **The OEM must have experience of manufacturing for at least last 10 years or more which should be given as undertaking from the OEM in writing and is to be submitted along with the tender documents.**

    c. Tender should not be submitted by the firm/company for the Product(s) for which the firm/ Company has been blacklisted/ banned/ debarred by CMSS/ State Governments/ Central Government/ its Drug procurement agencies or if the Firm/Company is debarred as a whole by these agencies.

3. **General conditions**:

    a. A complete set of Tender documents may be downloaded by any interested eligible tenderer from website: **https://wbtenders.gov.in** as per the schedule given in Critical Date Sheet. No cost for the Tender document shall be charged for the Tender documents downloaded by the Tenderers.

    b. Tenders will be opened online therefore, the presence of tenderers/authorized representatives of the tenderers is not necessary.

    c. Any person who has downloaded the Tender document should watch for amendments, if any, on the website: www.buruniv.ac.in; for which BU will not issue any separate communication to them.

    d. **The categories of items and quantity indicated in the tender document are tentative. BU, however, reserves the right to increase or decrease the quantity or delete some or all the items depending on the needs of the PI and availability of funds without assigning any reasons.**

    e. The bidder should clearly indicate the delivery period and validity period of the tender. It may be mentioned that the validity period of the price should be at least six months (180 days).

    f. Both Technical Bid and Financial Bid are to be submitted concurrently duly digitally signed on the website https://wbtenders.gov.in within the closing date of online submission.

THE UNIVERSITY OF BURDWAN

Registrar

Contact details (office):
P.O. Rajbati, Burdwan, PIN-713104
Ph.: 0342-2634015
0342- 2656549/2656566/2558554 ext-296
e-mail: registrar@buruniv.ac.in
Tele Fax: 0342-2634015

4. **Techno commercial bid**

    a. The Tenderer should electronically submit the soft copies of following documents in Techno Commercial Bid. (All the documents submitted should bear signature and stamp of the Tenderer)."

    b. Tenderer shall be a manufacturer or its qualified Indian Agent. In case the bidder is a manufacturer- Self Declaration of Manufacturer should be given.

    c. **All the prices must be quoted in INR only.**

    d. The bidder should indicate specifically the basic price, taxes and other charges against each item.

    e. **GOODS & SERVICES TAX (GST):** The Tenderer may quote GST as per applicability in accordance with relevant Government notification.

5. The **bid packet** should contain scanned copies of the following documents: -

    a. **Proof of PAN no**.

    b. Proof of **GST/Sales Tax Registration Certificate**.

    c. Copies of the Income Tax Acknowledgement Receipt of **last three**- Assessment year from date of advertisement.

    d. P.T. Deposit Challan for latest year,

    e. ESI Certificate,

    f. up to date clearance of Service Tax Registration (last receipt of Challan),

    g. **Trade License and last three-year audited Balance Sheet**.

    h. Terms & Conditions and Delivery period to be submitted on firm's letterhead.

    i. Particulars of the bidder in plain paper in the following format mentioning the following:

        1. Name and address of the Company including Telephone no.,

        2. Contact person - Name, mobile number, email address.

        3. Banker's name and address in details

        4. Any other relevant documents / information

    j. **A Copy of the technical details should be attached (Brochure's/leaflet/ etc.)**

    k. **Documents from Govt. organization is support of Credential**.

    l. Dully filled Compliance cart -**Annexure III**

    m. Dully filled **Check list- Annexure IV**

6. **ACCEPTANCE OF TENDER**

    a. Technically responsive Tenders will be evaluated based only on the "landed price".

    b. The purchaser reserves the right to accept or reject any bid, and to annul the bidding process and reject all bids, at any time prior to award of contract without assigning

THE UNIVERSITY OF BURDWAN

Registrar

Contact details (office):
P.O. Rajbati, Burdwan, PIN-713104
Ph.: 0342-2634015
0342- 2656549/2656566/2558554 ext-296
e-mail: registrar@buruniv.ac.in
Tele Fax: 0342-2634015

any reason whatsoever and without thereby incurring any liability to the affected bidder or bidders on the grounds of purchaser's action.

c. The acceptance of the Tenders will be communicated to the lowest / matched tenderers in writing.

d. **The acceptance of quotation will rest with the Principal Investigator of the project who does not bind himself to accept the lowest quotation and reserves the right to reject, or partially accept any or all the quotations received without assigning any reason.**

THE UNIVERSITY OF BURDWAN

Registrar

Contact details (office):
P.O. Rajbati, Burdwan, PIN-713104
Ph.: 0342-2634015
0342- 2656549/2656566/2558554 ext-296
e-mail: registrar@buruniv.ac.in
Tele Fax: 0342-2634015

Annexure-II

Terms & Conditions

Subject: Tender Inviting Authority invites tender through online bid submission at https://wbtenders.gov.in website: for procurement of **Nano drop Spectrophotometer, Pure and Ultrapure Water Purification System (Millipore, Sartorius, Mettler, Thermofisher, etc.), Microbalance, Push Pump for Volatile Collection and Pull Pump for Volatile Collection** *for DST-SERB, GOI, Sponsored Research Grant at Department of Zoology, BU, PI: Dr. Anandamay Barik.*

1. Please send in a **compliance statement** according to the specifications mentioned above with your instrument, without which the quote will not be accepted.
2. The **FINANCIAL OFFER** of the prospective tenderer will be considered only if the TECHNICAL BID of the tenderer is found qualified by the 'Project Purchase Technical Committee' formed by The University of Burdwan. The decision of the 'Project Purchase Technical Committee' will be final and absolute in this respect.
3. Terms & Conditions like, Insurance, Mode of payment, Validity period, Warranty and Delivery period must be mentioned and to be submitted on firm's letter head mentioning the following:
   (a) Name and address of the Company including Telephone no., FAX no.
   (b) Contact person - Name, mobile number, email address.
   (c) Banker's name and address in details
7. Detailed Technical specifications: Full Specifications, Make, Model, Brochure/Leaflets/Technical Information of the item(s) should be given while quoting the rates in the bid.
8. In the case of authorized dealers, OEM authorization mentioning the NIT not to be submitted by the dealer.
9. **The accessories quoted by every bidder should be OEM make and not locally sourced; if found so during supply then order will be cancelled.**
10. **Experience and credential documents including copies of Orders (Minimum five installation) towards supply in Govt /Govt undertaking organizations/ agencies are to be submitted along with the technical bid.**
11. Any other relevant document
12. **The Financial proposal should contain the Bill of quantities (BOQ) in one folder**. The bidder has to download the BOQ and quote the rate online in the space marked for quoting rate in the BOQ and upload the document virus scanned & Digitally Signed by the bidder.

THE UNIVERSITY OF BURDWAN

Registrar

Contact details (office):
P.O. Rajbati, Burdwan, PIN-713104
Ph.: 0342-2634015
0342- 2656549/2656566/2558554 ext-296
e-mail: registrar@buruniv.ac.in
Tele Fax: 0342-2634015

13. The Project Purchase/technical Committee reserves the right Purchases accept or reject any bid and to cancel the Bidding processes and reject all Bids at any time prior to the award of Contract without thereby incurring any liability to the affected Bidder or Bidders or any obligation to inform the affected Bidder or Bidders of the ground for Purchase Committee's action.

14. The final price of the instrument /equipment must include the other charges like packaging, forwarding, transportation charges etc.

15. **The purchase order will be placed with the INR only**.

16. The material should be dispatched duly insured against theft, loss or breakage during transit and the rates chargeable for insurance may invariably be quoted separately. The insurance shall be for an amount equal to 110% of the CIF value or CIP value of the contract from within "warehouse to warehouse (final destination)" on all risk bases including strikes, riots, and civil commotion.

17. The University of Burdwan is registered with the Department of Scientific and Industrial Research (DSIR) for the purposes availing Customs duty exemption in terms of Government Notification and Central Excise Duty Exemption in terms of Government Notification.

18. **Payment will be made on a bill basis after the receipt of the item in good condition, its satisfactory installation and commissioning at our site by e-payment**.

19. The warranty shall remain valid for a minimum of **thirty (36) months (Project duration)**.

20. 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.

21. The shipment must be in the name of "The PI Prof. Anandamay Barik, The University of Burdwan, Golapbag, Burdwan, 713104, West Bengal, India".

22. The last date and time for receiving complete bids shall be strictly adhered to and no offer received after the due date shall be considered. Delayed/Late Tenders will not be considered at all. The University of Burdwan will not be responsible for any loss in transit.

Sd/-
REGISTRAR
The University of BurdwanSd/-

THE UNIVERSITY OF BURDWAN

Registrar

Contact details (office):
P.O. Rajbati, Burdwan, PIN-713104
Ph.: 0342-2634015
0342- 2656549/2656566/2558554 ext-296
e-mail: registrar@buruniv.ac.in
Tele Fax: 0342-2634015

ANNEXURE-III

DETAILED TECHNICAL SPECIFICATIONS FOR DIFFERENT INSTRUMENTS

Item 1: Nano drop Spectrophotometer

Sl. No	System/Components/Operations	Description	Complied (Yes/No)
1.	Make & Model	To be specified	
	General Specification	• A spectral scanning unit for UV-visible-Near IR wavelength range and should able to read 6-48(optional) 96 & 384 microwell plate format. Should work as a standalone system without computer and also able to run with computer controlled software.	`
		• Analysis Software supplied should be supplied with unlimited user license.	
		• Should able to read end point, kinetics, spectral scanning and also Kinetic spectral scan and turbidometry.	
		• Instrument should have module to read at least 32 low volume samples of 2µl-10µl using low volume analysis plate in case of DNA/RNA purity & concentration check in directly with standalone mode.	
		• System should able to run in stand-alone mode using 7 inch or more touch screen for quick usage.	
		• The instrument should have a memory of 99 inbuilt protocols in stand-alone mode	
		• Communication options: USB ports to PC, wi fi dongle and data transfer devices, 1 ethernet port	
		• Access data via cloud based capabilities, wired or wireless network connection.	
		• Instrument is able to provide the wavelength range from 200nm to 1000nm with 1 nm steps.	
		• Spectral scanning speed: 10 sec from 200 to 1000 nm with 1 nm steps per sample.	
		• Performance Specifications: Bandwidth: < 2.5 nm or better and Xenon flash lamp life should be for 10 million 96 well microplates.	
		• The instrument should have inbuilt incubation and linear shaking options for longer kinetic assays etc.	
		• Incubation temperature: from ambient +2° C to +45° C.	
		• Spectral scanning speed 200 to 1000nm should be 10 sec. or	

THE UNIVERSITY OF BURDWAN

Registrar

Contact details (office):
P.O. Rajbati, Burdwan, PIN-713104
Ph.: 0342-2634015
0342- 2656549/2656566/2558554 ext-296
e-mail: registrar@buruniv.ac.in
Tele Fax: 0342-2634015

		less. • Measurement speed should be 6 sec. for 96 well and 10 sec. for 384 well plate • The instrument should have minimum 2 USB ports, one for the easy data transfer and able to connect wi-fi dongle. • System should have Power Save function for reduced energy consumption when the instrument is 'on' but not in use. • Visualize data in both numerical mode and heat-map/virtual image of plate. • Multiple Software should have language versions: English, German, French, Spanish, Portuguese, Russian, Chinese and Japanese for multi students usage.	
	Data Analysis Software	• Software should allow multiple absorbance /photometry steps in a single program for differentially analysis assays, including plate out option during the program to add required compounds and then continue the program for further analysis. • Allow multiple absorbance reading steps within the same program i.e. in case of two sets of reading before and after adding the compounds. • Database based software to run backups of all data, restore back up data (in case of hardware failure of original computer). • Should have area selection option, for different measuring parameters for different area in a same plate. • Spectral scanning of all 96 samples or 384 samples should be able to view in single graph plot. • Data export can be .pdf, excel, xml and note format.	
	Other	Company should provide at least 10 satisfaction certificates from the users of the quoted model from Govt. research institutes or Universities in India.	
		A Copy of the technical details should be attached (Brochures/leaflet/compliance cart etc.)	

Item No. 2: Pure and Ultrapure Water Purification System (Millipore, Sartorius, Mettler, Thermofisher, etc.)

Sl. No	System/Components/Operations	Description	Complied (Yes/No)
1.	Make & Model	To be specified	

THE UNIVERSITY OF BURDWAN

Registrar

Contact details (office):
P.O. Rajbati, Burdwan, PIN-713104
Ph.: 0342-2634015
0342- 2656549/2656566/2558554 ext-296
e-mail: registrar@buruniv.ac.in
Tele Fax: 0342-2634015

2.	General Specification	**Part 1: High Quality Pre Filter Before Main Unit to counter the feed water contamination Manufactured by same equipment manufacture**	
		1. High quality Prefilter with Low pressure switch cuts off system which can able to take care high TDS up to 5000 ppm and high SDI up to 50 having 5 Micron and 1 Micron with DC diaphragm pump to boost water pressure from 0 to minimum 2.5 bar at approximately 120 L/Hr with noise levels of Less than 50 Db.	
		Two separate model should be there for Type-I and TYPE III systems	
		Part 2: Main Unit Lab Grade Water purification System (Type III)	
		Feed water acceptance capability Specifications for main unit-	
		Conductivity: < 2000 μS/cm,	
		Fouling Index (SDI): up to 5,	
		TOC < 2000 ppb, LSI < 0.3	
		Product Water and main unit should meet or exceed Type III water quality	
		• Pure water production rate > 40 Ltrs/Hr,	
		• Organics and particulates > 99% rejection	
		• RO recovery loop	
		• Rinsing valve	
		• Twist and lock mechanism for all the cartridges, so that user itself can replace it	
		• Transparent 3.5 liter mobile water tank.	
		• It should take only 6 min to fill the 3.5 liter tank.	
		• Holder on tank for easy mobility.	
		• Main machine foot print size - < A4 size paper for space management.	
		Part 3: Ultra-Pure Water (Type I) should meet:	

THE UNIVERSITY OF BURDWAN

Registrar

Contact details (office):
P.O. Rajbati, Burdwan, PIN-713104
Ph.: 0342-2634015
0342- 2656549/2656566/2558554 ext-296
e-mail: registrar@buruniv.ac.in
Tele Fax: 0342-2634015

		Ultrapure (Type 1) water: Typical Water Delivery Flow Rate (L/min) .... drop by drop to 1.6L/min Ultrapure Water Resistivity (MΩ.cm at 25°C) .... 18.2 Microorganisms/bacteria (cfu/L) – < 1 Particulates < 0.22 μm (/mL) – None Pyrogen Levels (EU/mL) – <0.001 RNase Level (pg/mL) – < 1 DNase Level (pg/mL) –................... <5 Proteases < 0.15μg/mL TOC (ppb) ...... ≤ 5 ppb • Twist and lock mechanism for all the cartridges, so that user itself can replace it. • Automatic recirculation. • Transparent 3.5 liter switch water tank. • Holder on tank for easy mobility. • Main machine foot print size - < A4 size paper for space management. • UV lamp- 185 nm and no need to replace this lamp for life time of machine. **Certifications for Water System from OEM:-** • CE, cUL, FCC, All certificates need to be submitted along with tender • ISO® 9001-2015 and ISO® 14001-2015, and ISO® 50001-2018 • ASTM® D 1193-06, ISO 3696, CLSI,	
3.	Other	Service should be directly from the manufacturer's engineer should be based at Kolkata India, provide contact details. Call should be attended within 24 hours. Company should provide at least 10 satisfaction certificates from the users of the quoted model from Govt. research institutes or Universities in India.	
		A Copy of the technical details should be attached (Brochures/leaflet/compliance cart etc.)	

Registrar

Contact details (office):
P.O. Rajbati, Burdwan, PIN-713104
Ph.: 0342-2634015
0342- 2656549/2656566/2558554 ext-296
e-mail: registrar@buruniv.ac.in
Tele Fax: 0342-2634015

Item 3: Microbalance

Sl. No	System/Components/Operations	Description	Complied (Yes/No)
2.	Make & Model	To be specified	
	General Specification	- Capacity (g): Any range from 50 to 120 /220 - Readability: 0.01/0.1 mg - Repeatability: 0.03 | 0.07 mg - Linearity typical: 0.1 / 0.2 mg - Iso Cal Time & Temperature: 4 H, 1.5 K - Display: LCD display - Calibration: Automatic internal calibration system, which will perform routine maintenance by calibrating the balance daily iso CAL, External calibration - Measurement time: $\leq 4\|1.5$ Sec - Stabilization Times (s): $\leq 6\|2.0$ Sec - Units: Milligram, Gram, Kilogram, Once, Pound, Carat, Pennyweight - Applications: Basic weighting, Parts counting, percent weighing, Animal weighing, Density determination, Formulation - Pan size : not less than 80 m - Power supply: Power input: $100-240V\sim 200mA$ $50-60$ HZ $12-18VA$ - Operating Conditions: Operability guaranteed between + 5 and 30° C - Feature: Password protection. The auto-off and other brightness setup will save the electricity when the balance is not in use. - Anti-theft lock - Protection: Dust cover for balances with draft shield - Language: English - Password protection of set-up settings	`
	Other	Company should provide at least 10 satisfaction certificates from the users of the quoted model from Govt. research institutes or Universities in India.	
		A Copy of the technical details should be attached (Brochures/leaflet/compliance cart etc.)	

THE UNIVERSITY OF BURDWAN

Registrar

Contact details (office):
P.O. Rajbati, Burdwan, PIN-713104
Ph.: 0342-2634015
0342- 2656549/2656566/2558554 ext-296
e-mail: registrar@buruniv.ac.in
Tele Fax: 0342-2634015

Item 4: Push Pump for Volatile Collection

Sl. No	System/Components/Operations	Description	Complied (Yes/No)
3.	Make & Model	To be specified	
	General Specification	Compact, Light, Aluminium die Cast Construction. Oil Free, Piston Powered. Used for Oxygen supply in the water, agitation in fermentation tank, aeration test, bubble test. A piston powered and oil free vacuum pump. It will contain a moisture trap/vacuum regulator. Suitable for liquid filtration as well as for stack or ambient gas sampling. **Specification :-** Power :- 220V/50hz Max Power (W) :- 125 Max Current (A) :- 0.6 Max Pressure :- 60 Psi **Max Flow :-** 0 Psi :- 25 l/min 20 Psi :- 23 l/min 30 Psi :- 18 l/min 40 Psi :- 16 l/min 60 Psi :- 11 l/min Motor Rotation :- 1400 RPM Capacitance :- 34 µf 450 V Horse Power :- 1/6 HP Port. Thread :- 5/16" Noise Level :- 50 dB	`
	Other	A Copy of the technical details should be attached (Brochures/leaflet/compliance cart etc.)	

Item 5: Pull Pump for Volatile Collection

Sl. No	System/Components/Operations	Description	Complied (Yes/No)
4.	Make & Model	To be specified	
	General	Compact, Light, Aluminium die Cast Construction.	`

THE UNIVERSITY OF BURDWAN

Registrar

Contact details (office):
P.O. Rajbati, Burdwan, PIN-713104
Ph.: 0342-2634015
0342- 2656549/2656566/2558554 ext-296
e-mail: registrar@buruniv.ac.in
Tele Fax: 0342-2634015

Specification	Oil Free, Piston Powered. Used for Liquid filtration for microbiology, suspended solid test, air sampling etc. A piston powered and oil free vacuum pump. It will contain a moisture trap/vacuum regulator. Suitable for liquid filtration as well as for stack or ambient gas sampling. **Specification :-** Power :- 220V/50hz Max Power (W) :- 80-200 Max Vacuum :- -670 mm/Hg Max Flow Rate :- 70 l/min Motor Rotation :- 1450 RPM Horse Power: - 1/6 HP Port. Thread -3/8" Noise Level - 68 dB	
Other	A Copy of the technical details should be attached (Brochures/leaflet/compliance cart etc.)	

THE UNIVERSITY OF BURDWAN

Registrar

Contact details (office):
P.O. Rajbati, Burdwan, PIN-713104
Ph.: 0342-2634015
0342- 2656549/2656566/2558554 ext-296
e-mail: registrar@buruniv.ac.in
Tele Fax: 0342-2634015

Annexure-IV

Check List for Technical Bids

Particular	Yes/No	Document attached Yes/NO
1. Proof of PAN no.		
2. Proof of GST/Sales Tax Registration Certificate.		
3. Income Tax Acknowledgement Receipt of last three-Assessment year		
4. P.T. Deposit Challan for latest year		
5. Up to date clearance of Service Tax Registration (last receipt of Challan)		
6. Documents from Govt. organization is support of Credential.		
7. Trade License		
8. Last three-year Balance Sheet.		
9. Terms & Conditions and Delivery period to be submitted on firm's letter head		
10. Particulars of the bidder in plain paper		
11. A Copy of the technical details (Brochures/leaflet/ etc.)		
12. Dully filled Compliance cart -Annexure III		
13. Dully filled Check list- Annexure IV		