



# West Bengal State University

Berunanpukuria, MalikapurBarasat

24 North Parganas, Kolkata-700126

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## **NOTICE INVITING e-TENDER**

NIT No. : WBSU/Reg/LS/FACS-CMC/21-22/05

Dated:- 10.02.2022

The REGISTRAR (Officiating), West Bengal State University, Berunanpukuria, Malikapur, Barasat, 24 Parganas (N), invites “e-Tender for the Purchase of following laboratory instruments for the creation of Central Cell Culture Facility-Life Science, in West Bengal State University, Barasat”.

(Submission of Bid through online only: <http://www.wbtenders.gov.in>)

Sl. No.	Description of Equipment / Job	Quantity/ Contract for	Period of Completion
1.	Single Chamber-CO <sub>2</sub> Incubator (Foreign make)	NA	NA
2.	ClassIIA2 Biosafety cabinet (Foreign make)	NA	NA
3.	Refrigerated Micro centrifuge (Foreign make)	NA	NA
4.	Gradient Thermal cyler (Foreign make)	NA	NA
5.	Phase-contrast Inverted Tissue Culture Microscope(Foreign make).	NA	NA
6.	Stereo Zoom Microscope (Foreign make)	NA	NA
7.	Phase-contrast Upright Microscope(Foreign make)	NA	NA
8.	Probe Sonicator	NA	NA

### **Opening and Evaluation of Tender**

The REGISTRAR (Officiating), West Bengal State University, Berunanpukuria, Malikapur, Barasat, 24 North Parganas, Pin-700126, West Bengal.

**\*\*Earnest Money NEED NOT TO BE DEPOSITED**

### **Note:-**

- 1) West Bengal State University, Barasat GST: 19AAAJW0148B1DK; DSIR Ref. TU/V/RG-CDE (1165)/2019, dated 10.10.2019 and GST are paid as per the Notice from Ministry of Finance, Govt. of India vide Notification No: 47/2017- Integrated Tax (Rate) dated: New Delhi, the 14<sup>th</sup> November, 2017.
- 2) Must have the potentially to handle the job and should submit the certificate to prove that the company/vendor/concern is regularly maintaining the above said instrument (brand/company) in other academic/research institutes in West Bengal/India since last 10 years

- 3) The person/company/vendor/concern who will service the instrument should have technical training certificate issued by manufacture.

## 2) General Terms and Condition:

- A. In the event of e-filling, intending bidder may download the tender documents from the website <http://wbtenders.gov.in> directly with the help of Digital Signature Certificate.
- B. A bidder desirous of taking part in the tender shall login to the e-Procurement portal of the Government of West Bengal <http://wbtenders.gov.in> using his login ID and password and thereafter may download the tender document from the website directly with the help of Digital Signature Certificate.
- C. **Login by bidder:**
- a. A bidder desirous of taking part in a tender invited by a State Government Office/PSU/Autonomous Body/Local Body/ PRIs, etc. shall login to the e-Procurement portal of the Government of West Bengal <https://wbtenders.gov.in> using his login ID and password.
  - b. He will select the tender to bid and initiate payment of pre-defined EMD / Tender Fees for that tender by selecting from either of the following payments modes:
    - i. Net banking (any of the banks listed in the ICICI Bank Payment gateway) in case of payment through ICICI Bank Payment Gateway;
    - ii. RTGS/NEFT in case of offline payment through bank account in any Bank.
- D. Necessary submitted documents through online (Hard Copy) and other documents as per NIT should be submitted, as per mentioned date, failing which, the submission will treated as cancelled.
- E. Both technical bid and financial bid are to be submitted duly digitally signed in the website <http://wbtenders.gov.in>. Tender documents may be downloaded from the website and submission of Technical Bid and Financial Bid will be done as per Date & Time Schedule stated. **The Financial Offer of the prospective tenderer will be considered only for those tenderer who have successfully qualified technically i.e., Technical Bid is found suitable in all respect. The decision of the 'University' will be final and absolute in this respect. The list of Qualified Bidders will be displayed in the website <http://wbtenders.gov.in>.**
- F. There will be no Provision of Arbitration in this contract.
- G. The Bidder, at the Bidder's own responsibility and risk is encouraged to visit and examine the site of works and its Surroundings and obtain all information that may be necessary for preparing the Bid and entering into a contract for the work as mentioned in the Notice inviting Tender, the cost of visiting the site shall be at the Bidder's own expense.
- H. A prospective bidder shall be allowed to participate in the particular Job either in the capacity of individual or as a partner of a firm. If found to have applied severally in a single job, all of his/ their bids will considered as nonresponsive for that job, without assigning any reason thereof.
- I. The intending Bidders shall clearly understand that whatever may be the outcome of the present invitation of Bids, no cost of Bidding shall be reimbursable by the Department.
- J. No **CONDITIONAL/ INCOMPLETE TENDER** will be accepted under any circumstances.
- K. In the event of acceptance of lowest tendered rate no multiple lowest rate will be considered by the University.
- L. The University reserves the right to cancel the N.I.T. due to unavoidable circumstances and no claim in this respect will be entertained.

- M. During scrutiny, if it is come to the notice to tender inviting authority that the credential or any other papers found incorrect/manufactured/fabricated, that tenderer will not be allowed to participate in the tender and that application will be out rightly rejected without any prejudice with forfeiture of earnest money.
- N. Before issuance of the work order, the tender inviting authority may verify the credential & other documents of the lowest tenderer if found necessary.
- O. The competent authority of the West Bengal State University reserves the right to accept the full or part of tender or reject any/ or all tenders and / or negotiate by way of revised and /or improved offer from all the tenderers for the concerned job. The West Bengal State University reserves the right to withdraw full or part of the tender without assigning any reason whatsoever.
- P. Submission of tender submitted by Telex/Fax/Telegraph is not acceptable. Incomplete tenders, i.e. illegible and /or submitted with qualifications with condition at variance with the terms and conditions of the tender, i.e. combined offer/conditional offer/ counter offer are liable to be rejected.

### **3) Eligibility criteria for participation in the tender.**

- 1. Bonafide, experienced & resourceful contractors of Govt., Semi Govt., Govt. Undertaking Organizations, Govt. Enterprises etc. who have successfully completed the work of similar nature having value not less than 30% of the Total Quoted Cost of work, put to tender in a single contract during last 3(three) financial years are only eligible to participate in the tender. Must produce the credential & accordingly submit through online only.
- 2. Tenderers having valid Trade License, PAN card, GST registration Certificate & Professional Tax challan, Service Tax Registration Certificate (if available) are to be accompanied with the Technical Bid Documents.
- 3. Income Tax Acknowledgement Receipt for the latest Assessment year, IT return for the year 2016-2017/2017-2018/2018-2019is to be accompanied with the Technical Bid Documents.
- 4. Registered Partnership Deed for Partnership Firm only along with Power of Attorney is to be submitted. The company shall furnish the Article of Association and Memorandum.
- 5. No mobilisation advance and secured advance will be allowed.
- 6. Joint Ventures will not be allowed.
- 7. Average annual turnover during last three years shall not be less than 30% of the estimated cost. Working capital in the year, proceeding the year of bid submission shall not be less than 30% of the estimated cost.

### **4) Submission of Bids:**

Technical Bid & Financial Bids are to be submitted concurrently duly digitally signed in the website <https://wbtenders.gov.in> .

### **5) Bid Validity:**

Bids shall remain valid for a period not **less than 90 days (Ninety)** from the last date of submission of Financial Bid / Sealed Bid.

### **6) Detailed Specification:**

#### **General instructions applied to all Instruments:**

- 1. The final selection will be done on the basis of both quality and indexed prices.
- 2. The procurement of the instruments is subjected to the availability of funds.
- 3. The service of the instrument providers will be considered seriously.
- 4. The price of the instruments should be considered on the basis of the DSIR recognized institute.
- 5. Price should be submitted in foreign currency to avail the concessional custom duty when applicable.

6. Package price (if less than the individual price) will also be entertained.
7. Quotations must be addressed to The Registrar, West Bengal State University, Barasat, 24 PGS (N), Pin-700126 (with kind attention: Head, Dept. of Zoology, WBSU)
8. Hardcopy of the quotations also needs to be submitted in the Dept. of Zoology.
9. All quotations should be valid for 12 months.
10. **The vendors should take responsibility of shifting instrument either in the separate building of the WBSU campus or any GoWB institution, if required in emergency and reinstallation back in the WBSU campus.**

### **Technical Specifications/Requirements**

Sl. No	Instrument	Quantity
1.	<p><b>Technical Specifications for Single Chamber-CO<sub>2</sub> Incubator (Foreign make)</b></p> <ul style="list-style-type: none"> <li>➤ Capacity: not below than 150 liter</li> <li>➤ Six-sided direct heating with seamless, deep drawn stainless steel chamber</li> <li>➤ Should have continuous auto-calibration (without manual intervention) feature of IR sensor ensuring CO<sub>2</sub> accuracy</li> <li>➤ Inner chamber must be fan-less/ blower less</li> <li>➤ Should have sealed inner Glass door for conservation of inner chamber ambience</li> <li>➤ Should have connections/ Communication ports: 2x USB 2.0; Ethernet 1x User &amp; 1x Service; with BMS relays 0-5V</li> <li>➤ Should be stackable up to 2 units high</li> <li>➤ Chamber with air or water jacket is not acceptable</li> <li>➤ Should have at least 4 position shelving rack with 4 perforated shelves</li> <li>➤ Should have high temperature disinfection facility by 140°C</li> <li>➤ Disinfection phase should remain for 2 hrs atleast.</li> <li>➤ No need to remove of CO<sub>2</sub> sensor during decon cycle</li> <li>➤ Should have BMS Relay for integration into centralized building alarm system</li> <li>➤ Should have dual channel IR NDIR type CO<sub>2</sub> sensor with auto-calibration facility to ensure accurate CO<sub>2</sub> calibration measurements</li> <li>➤ Should have 2x 25 mm access port</li> <li>➤ Should have In-line filters (0.027 μ) for gas supply inlets ensure sterility</li> <li>➤ Temperature range: 4°C above ambient to 50°C, Control increment: ± 0.1°C or better; accuracy: + 0.4°C at 37°C ; uniformity: + 0.3°C at 37°C; stability: + 0.1°C at 37°C</li> <li>➤ CO<sub>2</sub> Gas control range: 1 - 20% with Control increment of 0.1% or better; accuracy: + 0.3% or better; stability: + 0.1% or better ; uniformity: + 0.1% at 37°C</li> <li>➤ Gas Recovery after door opening of 30s should be &lt; 6 min,</li> <li>➤ Reservoir: removable SS pan volume at least 2.5 litres, RH (37deg C) up to 95%</li> <li>➤ Small footprint: 720 X 716 mm or lesser</li> <li>➤ CE certified</li> <li>➤ Should have good no. of installation base in and around Kolkata/Barasat</li> <li>➤ Direct service facility from manufacturer</li> <li>➤ <b><u>Warranty (both on every spares and service): 60 months from the date of installation or 63 months from the date of shipment, whichever is earlier.</u></b></li> <li>➤ <b><u>Online UPS should be provided (for minimum 1 hour backup)</u></b></li> </ul>	1

2.	<p><b>Technical Specifications for ClassIIA2 Biosafety cabinet (Foreign make)</b></p> <ol style="list-style-type: none"> <li>1. The Bio safety cabinet should be Type A2 in which 70% Air should be re-circulated and 30% of the air should be exhausted</li> <li>2. The Bio Safety Cabinet must include two DC motors. High power consuming AC motors should not be used</li> <li>3. The motor must automatically adjust the airflow speed without the use of a damper to ensure continuous safe working conditions, even without maintenance adjustments.</li> <li>4. In order to preserve safety to the user and the environment, the exhaust blower on the cabinet must continue operating when the supply blower stops working. If the exhaust blower should fail, the supply filter will also be turned off.</li> <li>5. In order to ensure consistent and reliable down flow velocity across the supply HEPA filter over the life of the cabinet, the cabinet must use a pressure sensor (rather than anemometer) to detect pressure drop across the supply filter, rather than in just one point across the down flow. The pressure sensor must be encased in order to protect the sensor from temperature, humidity and other environmental phenomena that can impact the sensor's performance.</li> <li>6. The microprocessor must display the inflow and down flow air velocities in real-time on an LED display to ensure the user knows whether or not the cabinet is working under safe operating conditions.</li> <li>7. The front window must be a 10" sash opening and be made of laminated safety glass to ensure containment of potentially hazardous samples in the case of accidental glass breakage.</li> <li>8. All interior and exterior parts must be painted or smooth to ensure no risk of cuts to users or maintenance personnel.</li> <li>9. The front of the cabinet must be angled 10° to help minimize glare on the window to the user, and to ensure that the user's posture is comfortable during a working session. Inadequate user ergonomics in a safety cabinet may lead to excessive fatigue, unsafe working habits and harmful consequences to user safety or product contamination.</li> <li>10. The cabinet noise level must be less than 63 dB(A) for a 4 foot cabinet as measured in a sound proof room 12 inches in front of the cabinet and 15 inches above the work surface. Lower noise levels promote more comfortable and safer working habits of the user.</li> <li>11. The Biosafety Cabinet should have microprocessor controller and same must be located on a slanted front panel so it is easy to see and reach from a seated working position in front of the cabinet.</li> <li>12. The interior of the front window must be accessible for cleaning without requiring the user remove or support the window.</li> <li>14. The biological safety cabinet must be capable of achieving current state-of-the-art in energy efficiency. A biological safety cabinet with lights on and fan at operating speed should consume less than 200 watts for a nominal four foot width and have a reduced energy mode for non-operational maintenance on containment in the work area.</li> <li>15. The cabinet must automatically reduce fan/blower motor speed to 30% when the front window sash is in closed position to ensure reduced energy consumption when the cabinet is not is use.</li> <li>16. In order to provide maximum effectiveness, efficiency and safety to laboratory Personnel, UV light must be programmable to allow for specific exposure times from 0 to 24 hours. The automatic shut off feature on the UV light saves money on replacement of the bulbs.</li> <li>17.The Cabinet should have provision to fit taps for Vacuum, Water and Non Combustible Gas. Taps should be quoted as optional items</li> <li>18.The Bio safety Cabinet should be NSF certified with listing on NSF website.</li> <li>19. The Bio safety cabinet should incorporate HEPA filter of the class H 14 EN 1822 or better and having minimum efficiency of 99.995% at 0.3 µm particle size.</li> </ol>	1
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	<p>20. Approximate Dimension Exterior 1500 H x 1300 W x 800 D; Interior 800 H x 1200 W x 500 D</p> <p>21. Ventilation System Exhaust and Inflow air volume approx 300-350 CFM</p> <p>22. Heat Emissions at 25°C should be approx 0.2 KW or lesser.</p> <p>23. The cabinet Should be provided with Microprocessor controller and large LED display for inflow and Down flow air velocity and hours of operation, Audible and visual Alarms for HEPA filter failure, blower failure, airflow speed failure, Incorrect window position.</p> <p>24. The BSC must incorporate an LED Indicator to indicate filter loading and should provide visual and audible alarm to indicate excessive HEPA filters loading which can result in unsafe airflows deviation from the NSF recommended inflow and down flows air velocity values measured in meters per second or foot per minute.</p> <p>25. The cabinet should be provided with fixed / adjustable Height Stand, UV Light and one set of detachable arms rest and one / two electrical outlet.</p> <p>26. The Drain Pan of the BSC should be made of Stainless Steel. The drain pan should not be painted or power coated.</p> <p>27. The Bio safety cabinet should have dual side wall with negatively pressurized interstitial space. Bio Safety Cabinet with single glass side walls should not be quoted.</p> <p>28. Suitable voltage stabilizer need to be supply.</p> <p>29. Should have service centers in Kolkata.</p> <p>➤ <b><u>Warranty (both on every spares and service): 60 months from the date of installation or 63 months from the date of shipment, whichever is earlier.</u></b></p> <p>➤ <b><u>Online UPS should be provided (for minimum 1 hour backup)</u></b></p>	
3.	<p><b>Specifications for Refrigerated Micro centrifuge (Foreign make)</b></p> <ol style="list-style-type: none"> <li>1. Relative centrifugal force (rcf) &gt; 16800 x g</li> <li>2. Temperature Range 0 to +40° C</li> <li>3. Timer: 30s to 9h, continuous</li> <li>4. Full digit display for ease of programing</li> <li>5. Should maintain constant 4° C at max. speed.</li> <li>6. Window in the lid to check inside</li> <li>7. Should have function for rapid cooling of centrifuge</li> <li>8. Rotary knob for quick setting of time and speed.</li> <li>9. Rotor, Rotor lid and rotor bowl must be metallic, not plastic</li> <li>10. Pre-cooling from 21°C to 4 °C within 15 min</li> <li>11. Facility to close the rotor lid faster by less than half turn rotation</li> <li>12. Inbuilt facility to avoid off and on of the compressor during refrigeration</li> <li>13. Should have low noise level &lt;50 dba</li> <li>14. Compressor should shut down automatically after non-use of 7 to 9 hrs.</li> <li>15. Should have inbuilt condensation drain in the chamber.</li> <li>16. Sample access height &lt; 25.5cm</li> <li>17. Should have separate button for fast and short spins</li> <li>18. IvD (invitro diagnostics Compliance)</li> <li>19. Fixed angle rotor for 18 x 1.5/2ml tube with third party certified aerosol tight lid</li> <li>20. Lid with faster locking facility i.e. ½ of a turn or better</li> <li>21. Lid closure by soft touch only</li> <li>22. Should have good number of installation base in and around</li> </ol> <p>➤ <b><u>Warranty (both for every spares and service): 60 months from the date of installation or 63 months from the date of shipment, whichever is earlier.</u></b></p> <p>➤ <b><u>Instrument should be supplied with appropriate stabilizer.</u></b></p>	1
4.	<p><b>Specification of Gradient Thermal cycler (Foreign make)</b></p> <ul style="list-style-type: none"> <li>• Thermal block must accommodate 96 x 0.2/0.1ml PCR Tubes &amp; 71 x 0.5 ml PCR Tubes, PCR strips and 96well PCR plate</li> </ul>	1

	<ul style="list-style-type: none"> <li>• Gradient PCR, capable of testing atleast 12 different temperatures simultaneously across a gradient range of 1 - 20° C</li> <li>• System should have license for gradient application</li> <li>• Should be able to use dome and flat top PCR tube</li> <li>• Gradient technology should maintain indential ramp rate both in gradient and normal operation</li> <li>• Temperature control range: from 4 °C to 99°C</li> <li>• Lid Temperature range: 37 – 110 °C</li> <li>• Block Temperature Accuracy should be : ± 0.2°C</li> <li>• Block Homogeneity: 20° C to 72° C: ≤ ±0.3° C, 95° C: ≤ ± 0.4° C</li> <li>• Temperature control speed not less than 3 °C/s (heating)</li> <li>• Temperature control speed not less than. 2 °C/s (cooling)</li> <li>• Should be able program lagging time as per the volume of sample</li> <li>• Ramp rates should be adjustable from 0.1° C to 3.0° C to meet critical amplification conditions</li> <li>• Lid should be flexible to adjust automatically (not manual setting) with the different PCR tube height.</li> <li>• Block should keep temperature ≤20°C unless the lid reaches to its maximum set temperature.</li> <li>• Intuitive graphic programming with larger display</li> <li>• Should have preprogrammed template for easy selection from 16 temperature protocols viz. 2 step PCR, 3 Step PCR, Gradient PCR, Long Range PCR, Low volume PCR, RT, RT-PCR, Incubation, Cycle sequencing, Touch down PCR, Hot Start PCR, Hot Start PCR manual, Large volume PCR, Nested cycles, reduced ramping,</li> <li>• Time or Temperature increment with cycles in PCR program</li> <li>• Auto Restart facility with user defined time interval</li> <li>• Instrument status should indicate the step, cycle and remaining runtime during the run</li> <li>• Should have two USB ports: for Protocol transfer, Self-test, USB, printer / mouse</li> <li>• Should have log book function for error messages and new calibration</li> <li>• Should have e-mail notification for easier documentation</li> <li>• Should have power save standby function</li> <li>• Should have the block option for PCR in slides</li> <li>• Should have facility of Self-test dongle to check functionality of all 6 peltier elements</li> <li>• Calibration according to NIST (USA), DKD/PTB (Germany) UKAS/NPL (UK), UL/CUL listed</li> <li>• CE certified</li> <li>• Should have good no. of installation base in and around Kolkata/Barasat</li> <li>• Direct service facility from manufacturer.</li> <li>➤ <b><u>Online UPS should be provided (for minimum 1 hour backup)</u></b></li> <li>➤ <b><u>Warranty (both for every spares and service): 60 months from the date of installation or 63 months from the date of shipment, whichever is earlier.</u></b></li> </ul>	
5.	<p><b>Specifications for Phase-contrast Inverted Tissue Culture Microscope(Foreign make).</b></p> <p>1. Infinity corrected Plan Achromat objectives for bright field and phase contrast for all the objectives 10x, 20x, 40x.</p>	

	<ol style="list-style-type: none"> <li>2. Large Specimen stage 200 mm x 239 mm to accommodate different samples Viz., large tissue culture bottles, petri dishes, microtiterplates and culture flasks. XY movement guide for stage and holders for petridishes, 96 well plates available optionally at additional cost.</li> <li>3. Automatic stand-by for illumination, automatic on / off available via push buttons on the specimen stage preferable.</li> <li>4. Eyepiece tubes to be swivelled either way for comfortable viewing height of the operator.</li> <li>5. Eyepieces with 10x magnification, suitable even for spectacle wearers. Both the eyepieces are focusable and with <math>\pm 5</math> diopter adjustment and suitable for measurement reticles and pointers.</li> <li>6. Carrying handle fully integrated into the stand and hence the microscope can be easily set up, demounted and transported.</li> <li>7. Option for camera attachment should be there.</li> </ol> <ul style="list-style-type: none"> <li>➤ <b><u>Instrument should be supplied with appropriate online UPS (minimum back up 30 minutes).</u></b></li> <li>➤ <b><u>Warranty (both for every spares and service): 60 months from the date of installation or 63 months from the date of shipment, whichever is earlier.</u></b></li> </ul>	
6.	<p><b>Specifications for Stereo Zoom Microscope (Foreign make)</b></p> <ol style="list-style-type: none"> <li>1. Freely configurable Greenough stereo microscope with 8:1 zoom Ratio and switchable Zoom clickstops 11 or 12 position or even more</li> <li>2. Coaxial Control knobs</li> <li>3. 35° viewing angle with 55...75 mm adjustable inter-ocular distance for research category</li> <li>4. Working distance 92 mm or above</li> <li>5. camera adapter 0.5x for c-mount cameras</li> <li>6. Eyepieces and optical head should be with maximum field of view 23 mm or more with 10x magnification</li> <li>7. 150 watt halogen cold light source.</li> <li>8. Working compatibility with both Transmitted and Reflected light.</li> <li>9. 2 nos flexible fibre optics light guide (gooseneck) with conversion filter, focusing attachment minimum 55 cm or more.</li> <li>10. Transmitted light unit with minimum 210x160mm work area, light guide and 2 sliding reflectors for variable brightfield and darkfield.</li> <li>11. 8 Megapixel or higher microscopy camera with driver software and accessories with 4K resolution in 30 fps</li> <li>12. Auto-adjustment of brightness, contrast and white balance.</li> <li>13. Stand-alone mode without PC, with imaging app as network camera, or with imaging software for advanced imaging.</li> <li>14. USB 3.0, HDMI, Ethernet, Wi-Fi compatible (with USB Wi-Fi adapter).</li> <li>15. Control buttons on camera for stand-alone use like Image capture button, button for on screen display menu and camera factory reset.</li> <li>16. Status-LED for color coded operation status.</li> <li>17. Video stream format: mp4</li> <li>18. Large rugged metal body with radiating ribs.</li> </ol> <ul style="list-style-type: none"> <li>➤ <b><u>Instrument should be supplied with appropriate online UPS (minimum back up 30 minutes).</u></b></li> <li>➤ <b><u>Warranty (both for every spares and service): 60 months from the date of installation or 63 months from the date of shipment, whichever is earlier.</u></b></li> </ul>	



7.	<p><b>Specifications for Phase-contrast Upright Microscope(Foreign make).</b></p> <ol style="list-style-type: none"> <li>1. All metal microscope with rubber/skin friendly material coated controlling wheels and knobs. Microscope should be heavy and sturdy for longevity and prolong vibration free work.</li> <li>2. Transmitted light microscope model suitable for BF, DF, PH and 3-channel epi-fluorescence.</li> <li>3. Illumination should be enough to upgrade the microscope to Decahead microscope.</li> <li>4. Should be an ergonomically designed microscope with all controls positioned within the reach of finger without movement of hand. Camera snap button should be at both side near to focusing wheel. The wheels and knobs should be covered in soft-touch material.</li> <li>5. Nose piece to accommodate colour coded 5 objectives at a time. Achromatic aplanatic condenser and objectives 5x, 10x, 40x, 100x, phase contrast and oil-immersion whichever applicable.</li> <li>6. Illumination intensity memory against each objectives so that same light intensity available while changing objectives.</li> <li>7. Auto switching off illumination facility for longer lifetime.</li> </ol> <p>➤ <b><u>Instrument should be supplied with appropriate online UPS (minimum back up 30 minutes).</u></b></p> <p>➤ <b><u>Warranty (both for every spares and service): 60 months from the date of installation or 63 months from the date of shipment, whichever is earlier.</u></b></p>	
8.	<p><b>Technical Specifications for probe Sonicator</b></p> <p>The Sonicator should be microprocessor-based, programmable ultrasonic processor. Features include pulse mode and a digital display of both wattage and joules. It should be ideal for small samples with following features:</p> <ul style="list-style-type: none"> <li>• 125W generator</li> <li>• Programmable operation</li> <li>• Pulse mode</li> <li>• Digital amplitude</li> <li>• Intensity control</li> <li>• Elapsed time indicator</li> <li>• Display of Wattage and Joules</li> <li>• Overload protection</li> <li>• Compact design</li> </ul> <p><b>Specifications:</b></p> <ul style="list-style-type: none"> <li>• Power Rating: 125W</li> <li>• Process 0.2 to 100 ml Solution</li> <li>• Operating Frequency: 20kHz</li> <li>• Voltage: 230V</li> <li>• Programmable Timer: 10 hours</li> <li>• Adjustable Pulse On/Off: 1 second to 1 minute</li> <li>• Dimensions 8W x 13.75L x 5.5H in.</li> </ul> <p><b>Compliance</b></p> <p>RoHS Compliant</p> <p><b>Includes:</b></p> <ul style="list-style-type: none"> <li>• Generator</li> <li>• Converter</li> <li>• 0.125 in. probe</li> <li>• Power cable</li> <li>• Wrench Set</li> </ul>	1

	<ul style="list-style-type: none"> <li>• Sound enclosure box (by same manufacturer, not local made if Sonicator is imported one)</li> <li>• Jak Stand</li> <li>➤ <b><u>Instrument should be supplied with appropriate online UPS (minimum back up 1 hour).</u></b></li> <li>➤ <b><u>Warranty (both for every spares and service): 60 months from the date of installation or 63 months from the date of shipment, whichever is earlier.</u></b></li> </ul>	
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## 7) Qualification Criteria:

The Tender Inviting & Accepting Authority will determine the eligibility of each bidder; the bidders shall have to meet all the minimum Criteria regarding:-

- a) Financial Capacity
- b) Technical Capability comprising of personnel & equipment capability
- c) Experience

The eligibility of a bidder will be ascertained on the basis of the attested documents in support of the minimum criteria as mentioned in a), b) and c) as above and the declaration executed through prescribed affidavit in non-judicial stamp paper of appropriate value duly notarized. If any document submitted by a bidder is either concocted or false, in such cases the eligibility of the bidder/ tenderer will be out rightly rejected at any stage without any prejudice with forfeiture of earnest money forthwith or will be debarred from participation in any tender within the jurisdiction of the University.

**The Purchase and Tender Committee, WEST BENGAL STATE UNIVERSITY, Berunanpukuria, Malikapur, 24-Pgs.(N), Kolkata – 700126 reserves the right to accept or reject the tender and/or negotiate by way of revised and/or improved offer from all the tenderers for the concerned job. The Hon'ble Vice Chancellor, WEST BENGAL STATE UNIVERSITY, Berunanpukuria, Malikapur, 24-Pgs.(N), Kolkata – 700126 also reserves the right to withdraw or reject the tender as a whole without assigning any reason whatsoever.**

## 8) Date & Time schedule:

Particulars	Date	Time
1. Date of uploading of N.I.T. & other Documents (online) (Publishing Date)	<b>10.02.2022</b>	<b>05:30 P.M.</b>
2. Documents download/sale start date (Online)	<b>11.02.2022</b>	<b>11.00 A.M.</b>
3. Documents download/sale end date (Online)	<b>03.03.2022</b>	<b>05:00 P.M.</b>
4. Bid submission start date (Online)	<b>11.02.2022</b>	<b>11.00 A.M.</b>
5. Last Date of submission of original copies for the Copy of Earnest money deposit Payment (Hardcopy) & Technical Detailed Specifications (Hardcopy) & necessary sufficient documents as per Online Submission (Hardcopy)	<b>03.03.2022</b>	<b>05:00 P.M.</b>
6. Bid Submission closing (Online)	<b>03.03.2022</b>	<b>05:00 P.M.</b>
7. Bid opening date for Technical Proposals (Online)	<b>08.03.2022</b>	<b>11.00 A.M.</b>
8. Date of uploading list for Technically Qualified Bidder (online)	<b>To be Notified after evaluation of Technical Proposal</b>	
9. Date for opening of Financial Proposal (Online)	<b>To be Notified after evaluation of Technical Proposal</b>	

- I. **WEST BENGAL STATE UNIVERSITY**, Berunanpukuria, Malikapur, 24-Pgs.(N), Kolkata – 700126 RESERVES THE RIGHT TO CHANGE THE ABOVE DATE & TIME SCHEDULE IN CASE OF ANY EXIGENCIES AFTER PUTTING UP A NOTICE.
- II. Opening of the financial bid as per schedule may be subject to change due to administrative exigencies. No objections in this respect will be entertained raised by any bidder who will be present during opening of bid or from any bidder who will be absent at the time of opening of the Financial bid. No informal tenderer will be entertained in the bid further.
- III. During the scrutiny, if it comes to the notice to the Tender Inviting Authority that the credentials or any other paper is incorrect/manufactured/fabricated, that bidder would not be allowed to participate in the Tender and that application will be outrightly rejected without any prejudice. The onus of the legibility of the documents will solely rest on the bidder.

## 9) General Terms and Condition:

### INSTRUCTION TO BIDDER

#### **A. General guidance for e-Tendering**

Instructions/ Guidelines for tenders for electronic submission of the tenders have been annexed for assisting the contractors to participate in E-Tendering.

#### **B. Registration of Vendor**

Any Vendor willing to take part in the process of E-Tendering will have to be enrolled & registered with the Government e-Procurement system; through logging on to <https://wbtenders.gov.in> the vendor is to click on the link for E-Tendering site as given on the web portal.

#### **C. Digital Signature certificate (DSC)**

Each vendor is required to obtain a class-II or Class-III Digital Signature Certificate (DSC) for submission of tenders, from the approved service provider of the National Information's Centre (NIC) on payment of requisite amount details are available at the Web Site stated in Clause 2 of Guideline to Tenderer's DSC is given as a USB e-Token.

#### **D. Submission of Tenders**

General process of submission, Tenders are to be submitted through online to the website in two folders at a time for each work, one in Technical Proposal & the other is Financial Proposal before the prescribed date & time using the Digital Signature Certificate (DSC) the documents are to be uploaded virus scanned copy duly Digitally Signed. The documents will get encrypted (transformed into non readable formats). Documents only in pdf format are to be submitted. Where an individual person holds a digital certificate in his own name duly issued to him against the company or the firm of which he happens to be a director or partner, such individual person shall, while uploading any tender for and on behalf of such company or firm, invariably upload a copy of registered power of attorney showing clear authorization in his favour.

#### **E. Tenders Documents Details:**

##### **Others important Documents or My Document**

Sl. No	Category Name	Detail(s)
1.	<b>Certificate(s)</b>	GST Registration Certificate & Acknowledgement, PAN, P Tax (Challan) (current financial year), Latest IT Receipt
2.	<b>Company Details</b>	Proprietorship Firm (Trade License) Partnership Firm (Partnership Deed, Trade License) Ltd. Company (Incorporation Certificate, Trade License), Valid Trade License
3.	<b>Credential</b>	Similar nature of work completion certificate.
4.	<b>Financial Info</b>	Tax Audited Report last 3 (Three) years (year just preceding the current Financial Year)

## **Statutory Cover containing the following documents**

### **E.1 Technical proposal**

The Technical proposal should contain scanned copies of the following further two covers (folders).

- i. Scan copy of Annexure A
- ii. FORM I, II
- iii. Scan copy of Proprietary Certificate.
- iv. Other Terms & Conditions

### **E.2 Financial proposal**

The financial proposal should contain the following documents in one cover(folder) i.e. Bill of Quantities (BOQ), the contractor is to quote the rate online through computer in the space marked for quoting rate in the BOQ.

### **F. Non-statutory Cover containing the following documents :**

- i. GST Registration Certificate & Acknowledgement, PAN, P Tax (Challan) (current financial year), Latest IT Receipt.
- ii. Job Credential.
- iii. Company Details.
- iv. Payment Certificate.
- v. Power of Attorney (For Partnership Firm / Private Limited Company, if any)

**N.B.: Failure of submission of any of the above mentioned documents as stated above will render the tenderer liable to be rejected for both statutory & non statutory cover.**

### **G. Rejection of Bid:**

The Tender Committee reserves the right to 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 Tender Committee's action.

### **H. Award of Contract**

The Bidder who's Bid has been accepted will be notified by the Tender Inviting & Accepting Authority through an Acceptance e-mail / Letter of Acceptance.

The notification of award will constitute the formation of the Contract.

The Agreement as per enclosed format in G.C.C. will incorporate all agreements between the Tender Accepting Authority and the successful bidder. All the tender documents including N.I.T. & B.O.Q. will be the part of the contract documents. After receipt of Letter of Acceptance, the successful bidder shall have to submit requisite copies of contract documents stated in N.I.T. of the concerned work within time limit to be set in the letter of acceptance.

**I.** There shall be no provision of Arbitration.

**J.** Conditional / Incomplete tender submissions will be treated as non responsive.

**K.** In case of quoting rates, no multiple lowest rate will be entertained. Rates to be quoted both in number & words. No adjustment in price or price as collation of any kind will be allowed for the works included in this

**FORM – I**

PRE-QUALIFICATION APPLICATION

To  
The Registrar(Officiating)  
West Bengal State University  
Berunanpukuria, Malikapur  
Barasat, Kolkata-700126

Ref: Tender ..... for

.....  
(Name ..... of  
Work).....

.....

N.I.e.T. No. :

.....  
.....  
.....

Having examined the Statutory, Non-statutory &N.I.e.T. documents, I /we hereby submit all the necessary information and relevant documents for evaluation.

The application is made by me / us on behalf of .....in the capacity..... duly authorized to submit the order.

The necessary evidence admissible by law in respect of authority assigned to us on behalf of the group of Tenderers for Application and for completion of the contract documents is attached herewith.

We are interested in bidding for the work(s) given in Enclosure to this letter.

We understand that:

- 1. Tender Inviting & Accepting Authority / Engineer-in-Charge can amend the scope & value of the contract bid under this project.
- 2. Tender Inviting & Accepting Authority / Engineer-in-Charge reserve the right to reject any application without assigning any reason

Enclosure(s): e-Filling:-

- a) Statutory Documents.
- b) Non Statutory Documents.

Date: .....

.....  
Signature of applicant including title

**FORM – II****BRIEF PROFILE OF THE TENDRER**

<b>Sl. No.</b>	<b>Description</b>	<b>Details</b>	
1	Name of the Applicant (In Block Letters)		
2	Registered Office Address (with telephone no. & email address)		
3	PAN No.		
	GST No.		
	Registration No. / Trade License No. (if any)		
4	Website if any		
5	Annual Business turnover for last three years duly certificate by the auditor.	FY 2016-2017	= INR
		FY 2017-2018	= INR
		FY 2018-2019	= INR
6	Address of Kolkata Office (with telephone no. & email address)		
7	Status of the organization (Proprietary/Partnership/Pvt. Ltd. /Public Ltd. Company)		
8	Name of the Directors/Partner/Proprietor		
9	Name of the Representative(s) indicating Designation who would be calling and attending to our work (designation, email id and mobile phone number)		
10	Name of the Banker with full address		
11	Whether the Agency faced any litigation with any organization earlier, if yes, kindly furnish the same with name of the company and brief details of litigation		
12	Any other information		

.....  
Signature of applicant including title and seal

**Annexure-A**

**To be furnished in company Letter Head**

**NIT No.:**

**DECLARATION BY TENDERER**

**Title of the Work:**

I/We have inspected the place of work and have made myself/ourselves fully acquainted with local conditions in and around the place of work. I/We have carefully gone through the “Notice Inviting Tenders” and others tender documents mentioned therein. I/We have also carefully gone through the all terms and conditions mentioned by the university. My /Our tender is offered taking due consideration of all factors, and if the same be accepted. I/We promise to abide by the stipulation of the contract documents and carry out and complete the work to the satisfaction of the University.

I/we undertake to communicate promptly to West Bengal State University any changes in the conditions or working of the firm.

**Postal address** : \_\_\_\_\_  
\_\_\_\_\_

**Name of the Tenderer** : \_\_\_\_\_  
\_\_\_\_\_

**Mobile Number** : \_\_\_\_\_  
\_\_\_\_\_

**E-mail ID** : \_\_\_\_\_

**Signature with Rubber Stamp of the bidder**

**Tenderer** : \_\_\_\_\_  
—

**Seal** : \_\_\_\_\_  
—

**Date** : \_\_\_\_\_

**Copy forwarded for necessary action, to: -**

1. The Sabhadhipati, 24 North Parganas Zilla Parishad.
2. The D.M., 24 North Parganas.
3. The District Information Officer, 24 North Parganas.
4. The Divisional Account Officer, 24 North Parganas.
5. Vice-Chancellor's Secretariat, W.B.S.U.
6. The O.S.D. (Administration), in-charge of the Office of the Controller of Examinations, W.B.S.U.
7. The Finance Officer, W.B.S.U.
8. The University Engineer, W.B.S.U.
9. The Deputy Registrar, W.B.S.U.
10. Registrar's Department, Guard File, W.B.S.U.
11. University Website.
12. University Notice Board.

**Sd/**

**Registrar (Officiating)  
West Bengal State University  
Berunanpukuria, Malikapur Barasat  
24 North Parganas, Kolkata-700126**