COOCH BEHAR PANCHANAN BARMA UNIVERSITY

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DEPARTMENT OF ZOOLOGY
NOTICE INVITING E-TENDER

Online E-Tender is invited, by the Registrar, Cooch Behar Panchanan Barma University, for supplying thedifferent Instruments/ Laboratory Equipments to the Department of Zoology, by the eligible vendors. Interested vendors may follow the instructions as given below for submission of their tenders under online mode:

Sl. No	Item	Specification	Qty.
1	**LAB GRADE WATER PURIFICATION SYSTEM**	Part 1: High Quality *Pre Filter Before Main Unit to counter the feed water contamination* *Manufactured by same equipment manufacture* ➢ Iron Removal Filter must be with the backwash and rinse facility, capacity should be upto 400 L/Hr and which can take care up-to 4 ppm of Iron contamination. ➢ High quality Prefilter with Low pressure switch cuts off system which can able to take care high TDS upto 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. Part 2: Main Unit *Lab Grade Water purification System(Type II)* Feed water acceptance capability Specifications for main unit- Conductivity: < 2000 µS/cm, Fouling Index (SDI): upto 12, Free Chlorine: upto 3 ppm Product Water and main unit should meet or exceed Type II water quality • Resistivity 10-15 Mega Ohms with Flow Rate - 3Ltrs/Hr and TOC <30 ppb • Automatic EDI – With Carbon Beads at cathode which doesn't required extra pre softening cartridges. • System should have facility to control remotely with the help of software interface. • No of Conductivity Cell to ensure the Input Output water quality- 3 Nos. • RO pressure, RO water quality, RO membrane efficiency (% ion rejection) should be seen on display • Inbuilt Pretreatment Cartridge- 0.5 Micron filter, anti-scaling compounds and RFID tag. • Pre-treatment pack contains silver-impregnated activated carbon which prevents the proliferation of Bacteria present in tap water; antiscaling compounds must to eliminate hardness and protect the RO membrane against oxidation, scaling and plugging. • RFID Tag- for Traceability of pretreatment cartridge and every Liter throughput water volume should be seen on the display. Date of installation also be seen on the display. • Co axial resistivity meter-0.01/cm coefficient for optimum measurement	1

accuracy of low
ionic contamination as required by ASTM® D 1125-95 (2009) and comply USP <645>

- RO reject water recovery- up-to 50 % before and after RO conductivity cell to know the % rejection RO so that performance of RO can be seen in the display.
- 3 Way solenoid Valve- RO permeate is diverted to drain until the quality meets expectations. No. of Recovery loop – 1 Nos to save wastage of reject water.Recirculation in regular interval should be from system and reservoir to maintain the water quality.

Specifications forBottom Feed Storage Reservoir

- *Cylindrical tank Capacity minimum 30 Liter.Conical in bottom and water dispensing from the bottom to avoid stagnation of water.*
- *Bottom feed tank to minimize airborne contamination,*Fully Drainable tap should be there for easy cleaning,*Opaque reservoir walls*
- Single 3 stage vent filter consisting of soda lime, activated carbon and 0.45 micron to minimize airborne contamination
- Have the option of using submersible 254 nm UV Automatic sanitization Module.Tank should not be a consumable, it should be cleanable.

Display Type II system:-LCD Display must show all below parameter to understand the main system's performance, maintains and servicing quality and consumable status by the user itself.

- Product water Resistivity and % of RO rejection
- RO pressure, RO water quality, RO membrane efficiency % ion rejection, RO feed water conductivity and Permeate water conductivity
- Volume of main system's pretreatment cartridge consumption- so that service and cartridge replacement should be monitor by user. Consumable status on the display- like pretreatment so that user can easily understand no need to depend upon service person.
- Alarms and alters with complete text description for better understanding, not just red or yellow indicator.

Certifications for Type- II Water System:-

- CE, cUL, FCC, ISO® 9001 v. 2000- and ISO® 14001,All certificates need to be submitted along with tender
- GMP and GLP, ASTM® D 1193, ISO 3696,ASTM® D 1125-95 (2009) and
- USP (645)

Part3: Ultra-Pure Water (Type I) should meet:
Type I water should be produced from two stage mixed bed ion exchange and activated carbon cartridge, and conductivity sensor, and an option for final filter in dispensing arm.

- Product Water Quality:UltraPure (Type I) water:
- Resistivity: 18.2Mohm.cm
- TOC: <2ppb
- Bacteria: <0.1
- Pyrogens (endotoxins) <0.001 EU/mL
- RNases <1 pg/mL
- DNases <5 pg/mL
- Flow rate 0.05 to 2 Liter/Min (Programmable flowrate)
- VOC filter……To remove volatile organic compound
- EDS Polisher…….Water for endocrine disrupters experiments

STAGE 1.

- Type II water should pass through feed water specific cartridge for removal of trace contaminants.

		• Application Specific cartridges to remove ionic and organic contaminants to trace levels • To prevent deterioration of water quality during periods of non-use, the ultrapure water system will be able to recirculate water to maintain high water quality. • Water production unit that can be placed either on the bench , under the bench or on the wall with LCD monitor displaying : resistivity, level of water in reservoir, volume dispensed and consumables replacement and service clearly written on the display alarms, printing etc. Dispensing arm: 1. Adjustable height and rotating arm-adjustable to any glassware. <u>STAGE 2:</u> Final Filters Options : VOC filter……To remove volatile organic compound EDS polisher…….Water for endocrine disrupters experiments • Compatible with RS-232 Port • Inbuiltsoftware provides data management, remote access to dashboard, and long-term archiving capabilities. For Title 21 CFR Part 11 compliance software provides additional features such as e-signature, audit trail, and account management for full system control. Should have facility to control remotely with the help of software interface. <u>Mandatory Requirement:</u> • Minimum 10 appreciation letter from any government organization in India. • Service should be directly from the manufacturer's engineer should be based at kolkata, provide contact details. Call should be attended within 24 hours. • Warranty – One Year.	
2	**Table top high speed refrigerated centrifuge with multiple rotors**	Refrigerated High Speed with multiple rotors (1.5/2ml, 15ml, 50ml, 250ml, microtitre plate with adaptor; fixed angle and swinging): 1 (one) unit ➢ Refrigerated multipurpose bench-top centrifuge 3 Lit capacity ➢ System should be capable of using fixed angle and swing out rotors with adapter to use different tube formats. ➢ System should maintain temperature range –9°C to 40°C ➢ System should have a maximum Capacity of 4 x 250 ml bottles and 2 x 5 MTP ➢ Maximum speed for fixed angle rotors should be ≥14,000 rpm and RCF ≥ 20,000 xg force, for swing out rotors maximum speed of 4,500 xg force ➢ System should have user-friendly operation; key panel with provision to set speed RPM / RCF, radius correction values that can be changed during centrifugation. ➢ System should have fast temperature function for rapid cooling of centrifuge and stand-by cooling options ➢ System should have an in-built condensate drain to prevent water accumulation ➢ System should have excellent temperature control with compressor running continuously during the run time ➢ System should have automatic shut off function to reduce energy consumption and to extend compressor life when not in use for long hours ➢ System must be equipped with automatic rotor recognition and imbalance detection for maximum operational safety ➢ Timer setting 1 min to 99 min, with continuous run function and separate short spin key with selectable rotational speed ➢ System should have 10 acceleration and deceleration steps ➢ Noise level at max speed should be less than 59 dB(A) for quite operation in work place	1

		➢ Rotors and rotor lids should be made of metallic and must be fully autoclavable at 121°C ➢ Centrifuge lid with soft-touch lid closure, and low opening height for stress-free lid locking ➢ System must have a smallest possible foot print and smallest lid opening height for easy sample accessing while loading and unloading samples ➢ System should have LCD display ➢ Features in the quotations should be substantiated with proper company catalogue ➢ System must be European CE Certified ➢ Warranty of at least one year from the date of successful installation in the lab <u>Rotors:</u> ➢ Fixed angle rotor for 6 x 50mL tubes with maximum of ≥12,000 rpm and ≥20,000 x g ➢ Adapters for 15 mL tubes (6 no.s) must be provided ➢ Metallic rotor lid with aerosol tight for safe centrifugation ➢ Rotor must be low weight (<3.2 kg) for easy handling ➢ Rotor bore angles must be 45° angle to minimize the pellets smear along the tube walls ➢ Fixed angle rotor for 30 x 1.5/2.0 mL tubes with maximum of ≥14,000 rpm and ≥20,000 x g ➢ Rotor and lid must be autoclavable with aerosol tight for safe centrifugation ➢ Swing out rotor of 4x 250 mL with rectangle bucket to fit tube/bottle using adapter with maximum of ≥4,000rpm and ≥3,000 x g. ➢ Swing out rotor for 2x5 microtitre plate , 2x4 cell culture plates, 2x2 deepwell plate, ≥3700rpm/2250xg, autoclavable. ➢ Adapters for 36 x 15 mL, 48 x 3 - 15 mL, 4 x 250 mL flat bottles. Note : True Online UPS with ½ hour back-up .Suitable UPS and stabilizer should be provided with the equipment setup	
3	**Table top refrigerated microcentrifuge**	➢ Maximum Speed of ≥21,000 xg /15,000 rpm with a brushless motor and Temperature range should be from -10°C to +40°C ➢ System should have timer settings from 30sec to 9:59 h, with continuous run function ➢ System should have a capacity to use max24 x 1.5/2mL tubes ➢ Rotor and lid both should be metallic and withstand autoclaving at 121°C ➢ System should also have the provision to use additional rotors for 18 x Spin column tubes, 4 x PCR strips and chemical resistance PTFE coated rotor for 24 x 1.5/2 ml tubes ➢ Adaptersto support tube formats like 0.2ml, 0.5ml should be available ➢ Aerosol tightness of the rotor should be certified by a third-party agency ➢ System should be possible to operate the rotor even without rotor lid ➢ System should have an in-built condensate drain to prevent water accumulation in the rotor chamber ➢ System should have fast temperature function for rapid cooling of centrifuge ➢ System should possess a separate short spin key with defined maximum	1

		speed for brief spin ➢ System should be possible to program compressor shut off after 8 hours of non-usage of thecentrifuge ➢ System should be possible to operate the centrifuge at set rpm, for short spin protocols ➢ System should have key lock function to prevent accidental change in the set parameters ➢ Noise levels should be <54 dB(A) for quite operation in work place ➢ System must have an USB-port for service maintenance ➢ System should be CE Certified and UL marked ➢ Warranty of at least one year from the date of successful installation in the lab <u>Rotor:</u> ➢ Fixed angle rotor for 24 x 1.5 / 2.0 mL tubes with aerosol tight lid with maximum of 15,000 rpm and 21,130 x g. Rotor with metallic aerosol-tight lid for safe centrifugation. ➢ Suitable UPS and stabilizer should be provided with the equipment setup	
4	**Ultra-low Temperature Freezer (-86ºC) with sample storage boxes**	>Volume : 400-425 L (14.5 ft³). > Maximum sample capacity with 2 inch box : 24,000 > Freezer type : Vertical (Upright) > Temperature range : from -50ºC to -86ºC > Cooling type : air-cooled > Cooling liquid : Hydrocarbons (green or natural gases)- propane (R290) and ethane (R170) > Insulation : 130 mm wall based on polyurethane insulation and vacuum insulation panels > No. of compartments : 5 > Noise level : 53 dB > Pull-down time (of empty freezer with shelves fitted, from 21 – 26 °C ambient conditions) to -85ºC : 4.7 hrs. > Max. power consumption : 8.4 kWh per day > Voltage Stabiliser with Output Voltage Range: 230 Volts +/-1% & input Voltage Range :170-270 volts	1

		> Non-corrosive anodized Aluminum racks – 6 nos. > Storage boxes with outer footprint dimensions of 133 mm made of polypropylene for high stability in freezing applications and autoclavable (121^{O}C, 20 min) for sterilization. Boxes should have transparent lid laser-labeled, high-contrast, permanent alphanumeric markings of each location for easy sample reference. Required quantity of boxes: 96 nos. of 1-2 mL capacity; 24 nos. of 15 mL capacity; 24 nos. of 50 mL capacity Cryo 1°C Cooler (not less than 18 tubes of 1 or 1.8 ml)	
5	**Rotary Evaporator**	<u>Rotavapour :</u> ➢ A high-quality rotary evaporator to meet the essential needs in classical Laboratory applications. It should have manually adjustable rotation speed of 20 to 280 rpm and equipped with an action jack lift for manual lifting of the evaporating flask. Complete with vertical condenser, 1 L receiving and evaporating flasks and a vapor duct and bundled with the Vacuum Pump regulated by a Digital Vacuum Controller and the Recirculating Chiller. Rotavapor:Vertical condenser for standard applications with cooling surface area 1500 cm2, Angle adjustable 0 – 35°, Stroke distance 145 mm (+ 115 mm extendable), ➢ Rotation speed 20 – 280 rpm, Flask size range 50 – 4000 mL can be used on the same joint adapter without additional connections, ➢ Heating Power: 1300 W, ➢ Controlled temperature range : 20 – 95 °C, ➢ Temperature regulation accuracy : ± 2 °C. ➢ Maximum flask capacity : 3 kg ➢ Over-temperature protection of the Bath: Power cut off when actual temperature exceeds settemperature or by rapid temperature increase. ➢ Protection class : IP20 ➢ Approval CE <u>Vacuum Pump:</u> • Chemically resistant PTFE diaphragm vacuum pump with a space saving design. • Regulated by the Digital Controller and to be delivered with a silencer and 2 m of vacuum tubing. • Suction capacity: 1.5 m^3/h • Number of steps (heads): 2 (2) • Final vacuum (absolute): 10 mbar (± 2 mbar) • Power consumption: 150 W • Power consumption, Eco2 mode (70 %) : 70 W o Nominal Speed , Eco mode 2 (70%) : 70% of Nominal Speed • Nominal Speed : Max. 1280 rpm • Sound level: 32 – 57 dB(A) o Approval CE • Pump should have ECO-mode that should get automatically activated after 1 hour of operation, hence the pump does not work on its full capacity and consumes less electrical power and works	1

		under reduced stress. Digital Vacuum Controller: Easy to use interface that controls the vacuum digitally. It is optimally suited to on/off-regulate the Vacuum Pump. • Measurement range 1400 – 1 mbar • Control range 1100 – 1 mbar • Timer function to stop the process after pre-set time • Overpressure prevention - Automatic aeration when pressure above 1400 mbar • Protection class IP21 • Approval CE/CSA • Hysteresis : Automatic or 1 – 500 mbar • Display : Digital, monochrome, 4.0 in • Measuring accuracy: ± 2 mbar (± 1 digit) - after calibration at constant temperature • Output voltage : 30 VDC • Indication of values : Set and actual value of pressure are shown simultaneously on display • Operation of Vacuum Pump : Automatic On/Off-function • Operation of Recirculating Chiller : Automatic On/Off-function On Re-circulating Chiller: • Temperature Range: -10°C to + 25 °C • Cooling Capacity: 530 W at 15°C • Temperature Regulation Accuracy: ± 1°C • Tank Volume: 3.0 Litres • Pump Pressure: 0.6 bar • Pump Flow rate: 2.5 Litres/min • ON/OFF regulation by Vacuum Controller • Power Consumption : 850W • Refrigerant : R134 a(280 g) • Temperature display : digital, resolution 0.1 °C	
6	**CO_2 Incubator**	➢ Capacity : 170 lit(6.0 ft3) ➢ highly uniform atmosphere with uniform temperature verified at 27 points by multiple temperature sensors and four individually controlled heating circuits ➢ High temperature disinfection (HTD) : 140 °C ➢ Fan-less design for increased capacity and less contamination ➢ no internal HEPA-filters ➢ Seamless, stainless-steel interior to minimize possible points of contamination ➢ Perforated and reinforced 1.5 mm stainless steel shelves. Number of shelves 4standard with maximum of 8. ➢ Ethernet port for data export ➢ Dual-channel Infrared (IR) CO2-sensor ➢ easy-to-open magnetic latches on inner door	1

		➢ Sealed inner glass door ➢ Temperature range : Ambient +4 °C to 50 °C ➢ CO2 range : 0.1 – 20 % with 0.1 % control increment ➢ 2 Access ports ➢ For full protection of our precious cell culture experiments incubators should have upgrade provision in future to send important notifications instantaneously and directly to the right person with. ➢ Two CO2 Cylinder & Regulator to be included in the offer. ➢ Suitable UPS and stabilizer to be included	
7	**P^H meter**	pH range: 0 to 14 or wider pH Resolution: 0.01 or lower Relative accuracy: ± 0.01 or better Temperature compensation: automatic Display: LCD pH calibration point: 3 point auto calibration. Store of last calibration data (to avoid recalibration): Yes, stored in device/pH electrode Accessories: ➢ pH Electrode: Standard size Glass body electrode suitable for aqueous solutions including Tris buffer. ➢ Electrode arm with holder. ➢ Standard buffers etc. for calibration and other solutions, if any.	1
8	**Inverted Microscope with High Resolution Color Scientific Digital Camera**	➢ Inverted Microscope for observation under bright field & phase contrast. ➢ Transmitted illumination with Halogen or LED illumination with Neutral Density filter, conversion filter & green filter. ➢ Minimum 5-position nosepiece for Bright Field & DIC ➢ IC²S Optical system suitable for bright field & phase contrast LD 20x, LD 40x, 63x. ➢ Focus range should be 13 mm or more ➢ Mechanical stage and universal mounting frame for petri dishes and slides. ➢ Binocular tube with minimum FOV 23, IPD adjustable 55 mm to 76 mm and Wide field 10x with a minimum field of view 20 mm focusable front lens and rubber eyecups. ➢ Digital microscopy camera with minimum 5 Megapixels, color, CMOS, minimum Pixel size: 2.2 µm x 2.2 µm, minimum Sensor size: 5.7 mm x 4.28 mm equivalent 1/2.5" (diagonal 7.1 mm) & software for measurement, color adjustment, text annotation etc. ➢ One year warranty is to be provided ➢ Suitable desktop PC with licensed OS, TFT monitor ➢ Suitable UPS to be supplied along with the system ➢ Immersion oil (20 ml) x 2	1
9	**Trinocular Microscope for Transmitted Light Bright field and Phase contrast studies with Universal Condenser**	➢ with Universal Condenser and Digital Camera ➢ High stability stands with rust proof and acid proof painting. ➢ High quality optics with latest Infinity Colour Corrected System (IC2S) for high brightness, rich contrast and superb colour correction. All optics coated with anti- reflection / anti-fungal treatment. ➢ Quintuple revolving reverse looking nosepiece (can accommodate upto 5	1

	and Digital Camera	objectives) with precision click stops, with ribbed grip for easy rotation. ➢ Modular Illumination, you can choose from 12V/35W Halogen illumination with "pre-centered" lamp mount for easy lamp changing OR 3W LED Illuminator. ➢ Built-in "variable" field diaphragm with full Koehler-illumination setting and filter clamping device to mount filters on the field diaphragm. ➢ Special white balance filter to provide white light for visual observation available as an option. ➢ Abbe Condenser with aspherical lens, N.A. 0.9/1.25, with focussing and centering provisions. ➢ Mechanical stage, hard coat anodized surface for scratch free movement, with right handed co-axial low positioned X-Y scanning control knobs with scanning range 75x30 mm, vernier graduation, with right handed spring loaded specimen holder. ➢ 30º inclined ICS optics Trinocular tube, 360o rotatable, suitable for eyepieces upto field of view 22mm. I.P.D. range 55-75mm and eyepiece tubes can be swivelled either way for comfortable viewing angle of the operator (sidentopfdesing) (unique feature). ➢ 100% perfect "Koehler Illumination" setting is possible due to focussable& centering condenser and variable field diaphragm ➢ Eyepieces with 10x magnification, field of view 20mm/22mm suitable for spectacle wearers with front soft rubber cup. Focusable eyepieces are with ± 5 diopter adjustment. ➢ High contrast Plan-achromatic ICS objectives "A-Plan" , 5x/0.12, 10x/0.25, 40x/0.65 and 100x/1.25 oil. 40x and 100x front optics are spring loaded. ➢ Digital microscopy camera with minimum 5 Megapixels, color, CMOS, minimum Pixel size: 2.2 µm x 2.2 µm, minimum Sensor size: 5.7 mm x 4.28 mm equivalent 1/2.5" (diagonal 7.1 mm) & software for measurement, color adjustment, text annotation etc. ➢ One year warranty is to be provided ➢ Suitable desktop PC with licensed OS, TFT monitor ➢ Suitable UPS to be supplied along with the system ➢ 3 x 1 Immersion oil (20 ml)	
10	**Autoclave Horizontal (cylindrical type)**	Construction:- ➢ Triple walled with separate steam jacket and boiler. ➢ The inner chamber, steam jacket, outer chamber and boiler are made of heavy gauge stainless steel with leak proof argon are welding.	1

		➢ The Radial locking lid is made of thick S.S plate ➢ Hydraulically tested to withstand 2.5 times the working pressure. ➢ Fitted with safety valve as a safety device. ➢ Drain valve is fitted at the side bottom for easy draining/cleaning. ➢ The unit is provided with a positive Self-locking safety door. ➢ Sterilization cycle is controlled by single point multiport valve. ➢ Highly accurate temperature indicator is fitted for monitoring temperature. ➢ Two separate valves are provided for evacuating stem from inner chamber and jacket as and when desired. Other Accessories: • Timer with Alarm system • Digital temperature indicator cum controller • Digital pressure indicator • S.S Trolley	
11	**Single and Multichannel pipette with pipette controllers**	Single Channel4 x each pipette of different volume range (a,b,c,d,e) Each pipette should have the following features: ➢ Ultra light& very low operation forces ➢ Ability to be fully autoclaved without the need to be disassembled ➢ Colour coding for easy identification of pipette volume ➢ Large 4 digit volume display with magnifying window ➢ Option to temporarily adjust the pipetting volume by up to ±2% to offset inaccuaracies when working with liquids such as warm, cold, volatile or high density ➢ Embedded data chip for traceability. The chip should contain all relevant data like serial number, dispensing volume, factory adjustment data etc. ➢ Chemically resistant piston ➢ Spring loaded tip cone ➢ The bidder should have NABL certification for pipette calibration ➢ Pipettes for the following volume range are required: a. 0.5 µL to 10 µL X 3 Nos. b. 10 µL to 100 µL X 3 Nos. c. 20 µL to 200 µL X 3 Nos. d. 100 µL to 1000 µL X 3 Nos. e. 0.1 µL to 2.5 µL X 3 Nos.	1
		8 Channel, variable volume pipettes (1x each volume range (a,b,c)) Each pipette should have the following features: ➢ Ultra light& very low operation forces ➢ Ability to be fully autoclaved without the need to be disassembled ➢ Colour coding for easy identification of pipette volume ➢ Large 4 digit volume display with magnifying window ➢ Option to temporarily adjust the pipetting volume by up to ±2% to offset inaccuaracies when working with liquids such as warm, cold, volatile or high density ➢ Embedded data chip for traceability. The chip should contain all relevant data like serial number, dispensing volume, factory adjustment data etc. ➢ Chemically resistant piston ➢ Spring loaded tip cone	

		➢ The bidder should have NABL certification for pipette calibration ➢ Pipettes for the following volume range are required: ➢ a. 0.5 µL to 10 µL b. 30 µL to 300 µL c. 20 µL to 200 µL	
		<u>Electronic Pipette Controller (3 Qty.)</u> ➢ Electronic Pipette controller for use with pipettes from 0.1 – 100 mL ➢ Serial dispensing of aliquots of different volumes ➢ Resuspension of bacteria or cell pellets ➢ Aspiration of cell layer from, e.g., Ficoll® gradient ➢ Intuitive and convenient speed adjustment simply done with the tips of your fingers ➢ Lightweight, well-balanced and ergonomic design that allows for fatigue-free pipetting ➢ Vibrant backlit LEDs provide optical feedback of the remaining battery life ➢ Lithium polymer rechargeable battery to offer long cordless runtime ➢ Smooth setting of pump speed ➢ Operation while recharging should be possible ➢ Autoclavable pipette adapter for sterile applications ➢ Quick release of aspirating cone for easy exchange of membrane filters	
		<u>Serological pipets designed to work in perfect harmony with electronic pipette controller (</u>500 pcs of each volume (a,b,c,d)) ➢ Clear and precise graduations for easy volume determination ➢ Color-coding for easy identification of pipet sizes ➢ Subunits with dispenser option to keep stored products safe ➢ Individually wrapped pipets for reliable sterility ➢ Ultra-pure virgin polystyrene meeting the requirement of USP VI ➢ Sterility assurance level of 10^{-6} ➢ Certified absence of detectable pyrogens, DNA, RNase and DNase ➢ Certified non-cytotoxic Volume required – (500 pcs each). a. 1 mL, b. 2 mL, c. 5 mL, d. 10 mL	
12	**Cell Culture seeding accessories**	**A) Cell culture flask for performance of cell-based assays and microscopic analysis, with below features:** **a) T-25 (100 pieces)** **b) T-75 (100 pieces)** >100 % Mycoplasma-safe filter technology and optimized gas exchange > Special design for facilitated access to growth area and easier and safe cell treatment to make cell seeding and media exchange more convenient, safe and reliable >Defined arrested position on plug-seal caps to prevent undesired closing >Anti-rolling cap with corrugation facilitates cultivation steps when the cap needs to be set aside >100 % in-line control for leakage-free flasks and maximum safety >Direct surface identification on flask and cap >SAL 10^{-6} >Certificates for leachables, trace metals, cytotoxicity etc. should be made available	1

		>T–25 &, T–75 flasks to be offered with TC treated surfaces >Material–polystyrene >Purity grade - Sterile, pyrogen-, DNase-, RNase-, human and bacterial DNA-free. Non-cytotoxic B) **Cell culture Plates with lid (Tissue culture treated)-** **a) 6 well, - 60 plates** **b) 12 well, - 60 plates** **c) 24-well, - 60 plates** **d) 48 wells, - 60 plates** **e) 96 wells - 60 plates** **with below features:** > To prevent the edge effect and use of more wells by filling the moat surrounding the outer wells with liquid >Level out well-to-well temperature shifts outside the incubator by chimney-well design to enables filling of the inter-well spaces >Robust stacking performance by pronounced rims on plate lid and excellent fitting of lid and base when used in stacks >Minimized surface contact and reduced contamination risk by lid taps under the plate >Easy and fast well identification by contrast rich individual well ID and alphanumeric labeling >Easy differentiation of lid and plate bottom due to a pronounced corrugation and wider sized base >Optimized gas and temperature transfer when incubating in stacks by pronounced ventilation gaps >Optimized microscopical performance with enhanced planarity, reduction of meniscus and clarity of the material >Material – polystyrene >Purity grade - Sterile, pyrogen-, DNase-, RNase-, human and bacterial DNA-free. Non-cytotoxic C) **Cell culture imaging slides** > Material - glass/polystyrene > No. of chambers– Single Chamber&2 Chamber >Purity grade - Sterile, pyrogen-, DNase-, RNase-, human and bacterial DNA-free. Non-cytotoxic > 170 µm coverglassproviding excellent signal-to-noise ratio in fluorescent staining protocols >Facilitated growth of most adherent cell types due to innovative TC treated glass surface >Chambers and lids to show high chemical resistance, so fixation even with acetone is possible without problems >Benefit from easy and tool-free removal of the chambers with minimized glue residues >Precise planarity to support high resolution microscopes and autofocus systems	
13	**Cell culture filtration and sterilization accessories**	(A to F each 03 Qty.) A) Vaccum pump 220volts/50 Hz- • Maximum vaccum- 600mmHg, • max. flow 13L/min,	1

		• 1400rpm motor rotation, 1/8 HP, Pole 4P, • pot thread 1/8 PS. • Noise level 54db B) Vaccum trap kit-1000ml C) Membrane filter holder -47mm D) Membrane filter paper (0.2µm) E) Reusable bottle top filter- 250 ml • autoclavabole,resuable • Filter housing screwed onto standard glass bottle (45 mm neck size. • With removanle membrane support plate F) Filtering flask (500 ml) • single piece moulde flasks • implosion proof and withstand vaccum upto 29 in-Hg. • Tubulation at 45º	
14	**MULTIMODE MICROPLATE READER**	Monochromator-based absorbance from 200 nm to 999 nm, filter-based top fluorescence and luminescence. General: Detection mode: UV-Vis absorbance, fluorescence intensity, luminescence. End point, kinetic, area scanning, absorbance spectral scaning (under software control). Microplate types: 6- to 384-well plates. Other labware (optional accessories): Micro-Volume Plates. Shaking: Linear, orbital, double-orbital. Full data analysis and reporting (under software control). Absorbance: Light source: Xenon flash lamp Detector: Photodiode Wavelength selection: Monochromator Wavelength range: 200 – 999 nm, in 1 nm increments Monochromator: Bandwidth: ≤5 nm Wavelength accuracy: ±2 nm Wavelength precision: ±0.2 nm (standard deviation) Dynamic range: 0 to 4.0 OD Pathlength correction: Yes (under software control) Optical density: Accuracy: <1% at 2.0 OD <3% at 2.5 OD Linearity: <1% from 0 to 2.5 OD Repeatability: <0.5% at 2.0 OD Stray light: 0.03% at 230 nm Reading speed (kinetic): 96 wells: 12 seconds 384 wells: 23 seconds Fluorescence Intensity Light source: Halogen lamp Detector: PMT Wavelength selection: Bandpass filters Wavelength range: 200 – 700 nm (low noise PMT) Dynamic range: 7 decades Sensitivity: Fluorescein 2 pM Reading speed (kinetic): 96 wells: 24 seconds 384 wells: 76 seconds Luminescence Wavelength range: 200 – 700 nm (850 nm option) Dynamic range: 7 decades	1

		Sensitivity: 10 amol ATP. Software: Reader control, advanced data analysis, Excel export Control through USB or serial port. Software offers a logical interface designed to easily flow from reading parameters, to plate layout, to powerful data reduction, and finally to flexible data output options. The results of this intuitive design, including the exclusive StepWise™ protocol and data reduction tools and the power of software data reduction, will be evident in increased laboratory efficiency. Physical Characteristics Connectivity: (1) USB 2.0 ports for computer control Dimensions: 12" H x 15" W x 15" D (30.5 cm H x 38.1 cm W x 38.1 cm D) Weight: ≤27 lbs (12.3 Kg) Power: External 24VDC power supply compatible with 100-240 volts AC @50-60Hz. 60W maximum consumption. It must be included a Green filter cube. Provide Suitable UPS, Computer & Printer. Addiitonal: Luciferase enzyme kit (1) and cytokine kit (1) for demonstration	
15	**-20 deg C Freezer Vertical Type**	➢ The instrument should be vertical type. ➢ Temperature Range : System should have operating temperature range of -20ºC to -40ºC . (factory pre-set at -40ºC) ➢ Internal Volume: System should have internal volume capacity of around 280 litres . ➢ Refrigeration system: Air cooled. ➢ Advanced air stability: +/- 3ºC ➢ It should have manual defrost system. ➢ The system should have Reliable temperature uniformity and air stability performance (tightest uniformity at -40ºC set point) ➢ The instruments must have high-density, fluorine free insulation, Heavy-duty construction;. ➢ The instruments must have lockable, high quality steel door for easy operation. ➢ The instruments must have minimum drawers: 4 nos ; 2 flip-top compartments; ➢ Access Port: Two 1 inch (25 mm) access port standard ➢ It should have High and low visual temperature and audio alarms ➢ Power requirements : 230 V, 50 Hz, single phase ➢ It should be provided one year warranty ➢ It must provide a suitable servo voltage stabilizer require for operation. ➢ Prompt and efficient after-sales service should be available from locally or from Kolkata.	1
16	**Analytical Balance**	➢ Digital display having range upto 220gm and LC 0.1mg/0.0001gm with full Tare facility ➢ Pan Size: 90mm (Dia) ➢ Setting Time: 3 Sec. or Better ➢ The Balance should be Fully Internal Adjustment/ Calibration Technology. ➢ The Balance should have Die Cast Housing with Chemical Resistant and shall have Overload Protection upto 100kg ➢ Sensitivity Temperature Drift: 2.0ppm/°C ➢ PC/Printer compatibility ➢ Should cover with a glass Draft shield. ➢ The Balance should be supplied with a Dust Proof Cover.	1

		➢ Power Supply: 220V/50Hz ➢ Automatic Reminder: Balance will remind if service required for routine accuracy test. ➢ GWP – Good Weighing Practice - Based on Global Weighing Guideline ➢ Service/repair back up of the equipment shall be available in Kolkata.	
17	**Specification for (Liquid Nitrogen) LN2 Container**	Effective way to store biological samples in canes. The system can safely hold samples for extended Periods of time without replenishing LN2 • LN2 Capacity: 34.8 L • stainless canisters of different volumes • canisters have 6 unit and comes along with 2.0ml • Canister handles are color-coded for easy canister identification • Durable aluminum construction and vacuum insulation • Narrow-mouth design minimizes LN_2 evaporation • Durable aluminum construction and vacuum insulation • Lockable lid and optional low level alarm enhance sample security • Application : Portable sample Storage Vessel • Level indicator with cry alarm • Roller bases for easy portability • Total vial capacity (6/cane)-720 • Total straw capacity (10/cane)-1200 • Daily evaporation rate of 0.0 to 0.35 It/day • Static Holding time 193 Days • Neck diameter 3.5 in / 8.8 cm • Static Evaporation rate -0.5-0.7 litres per day Approx • External Dimension (D x H): 18.2 x 26.6 in (47.2 x 67.6 cm)approx • Shipping weight : 18.Kgapprox Instrument have CE Certified A single 1.5/2 Lit portable Liquid Nitrogen can for regular sample handling should accompany with the 34.8 L LN can.	1
18	**Microprocessor controlled Class II A2 Type Bio-Safety Cabinet for Mammalian Cell Culture**	➢ The cabinet should be advanced microprocessor control, which supervises operation of all cabinet functions. ➢ Temperature-compensated air velocity sensor monitors both exhaust and down flow. ➢ 24-hour clock, UV timer, UV run hour meter, and blower run hour meter are standard. ➢ There should be programmable PIN, which restricts unauthorized cabinet access. ➢ The Biological safety cabinet should comply International Standard Certificates like EN/NSF , ISO , JIS etc ➢ The cabinet should have energy efficient ECM DC blower motor with night set back mode facility ➢ The cabinet should have long life DUAL ULPA Filter for supply and exhaust with 99.999% efficiency for particle size 0.1 to 0.3 microns. ➢ Should be raised armrest for elevates the operators arms to prevent inflow grille blockage for safety work. ➢ Programmable automatic UV light timer should simplify operation and extending UV light life and saving energy. ➢ The Cabinet outer surface should have antimicrobial coating for minimizing contamination.	1

		➢ The controller should include soft touch keypad controls with LCD display of air flow velocity ➢ The cabinet should have built-in warm, white, electronically ballasted zero flicker and instant start lightening provides excellent illumination of the work zone. ➢ Standard Internal dimension ➢ The construction of cabinet should be electro galvanized steel including stand also. ➢ Inflow velocity should be around usual range confirming to level II ➢ The sound emission of the should be around usual level ➢ There should be UV protected sliding front sash which can be fully opened to insert and remove large instruments. ➢ The cabinet should come with following accessories :- • Should be UV lamp, minimum two nos electrical outlet sockets, and antiimicrobial coated movable stand with wheels & brakes for easy movement. • Model should be enlisted in NSF website & NSF sticker should be on the cabinet. Should have at least 25 nos user list at Reputed State/central Govt institutes/Universities/Medical Colleges Nationally .	

FOR ANY CLARIFICATION REGARDING TENDER PLEASE CONTACT WITH COOCH BEHAR PANCHANAN BARMA UNIVERSITY E-MAIL ID – INFO@CBPBU.AC.IN

[TENDER FEE: RS.2000/- (RUPEES TWO THOUSAND ONLY), NAME OF THE A/C: COOCH BEHAR PANCHANAN BARMA UNIVERSITY, SAVINGS ACCOUNT NUMBER: 32741316141, IFSC CODE: SBIN0000058]

1. GeneralInstructions:

In the event of e-tendering, intending bidder may download the tender documents from the website: **http://wbtenders.gov.in**directly with the help of Digital Signature Certificate (DSC) or from the Cooch Behar PanchananBarma University website **www.cbpbu.ac.in.**

2. Submission of bids:

Both Technical Bid and Financial Bid are to be submitted concurrently duly digitally signed by the Company personnel who is in the pay roll of the Company (having Authorization from the Company management) in the website http:// wbtenders.gov.in. All papers must be submitted in English language.

3. Time Schedules for thee-tender:

The Time Schedule for obtaining the Bid Documents, the submission of bids and other documents etc. will be as per the list provided in Clause No. 10 given below.

4. Eligibility for Quoting:

Manufacturers or Dealers/Distributors/Agents duly authorised by the manufacturers who are able to supply the assured quantities as per requirement & have requisite Annual Average Turnover, as per clause no. 5, are only eligible for quoting. Manufacturers not having the capability to supply the

required quantity solely need not apply. Failure of submission of declaration of full supply will lead to cancellation of tender.

Further, vendors who were declared black listed and/or insolvent by any Govt. Concern/any Institutions in the Country for particular item or items are not eligible to participate in the current tender for that item or items.

5. Annual Turnover Requirements:

Vender having average annual Turn Over for last three financial years is more than Rs.30 lakh in India or equivalent foreign currency in the respective foreign country for the year2016- 17, 2017-18, 2018-19 are eligible to participate in the Tender.

6. Submission of Tenders

6.1 General process of submission

Tenders are to be submitted online through the website stated in Clause 1. All the documents uploaded by the Tender Inviting Authority form an integral part of the contract. Venders are required to upload all the tender documents along with the other documents, as asked for in the tender, through the above website within the stipulated date and time as given in the Tender. Tenders are to be submitted in two folders at a time, one is Technical Bid and the other is Financial Bid. The vender shall carefully go through the documents and prepare the required documents and upload the scanned documents of originals in Portable Document Format (PDF) to the portal in the designated locations/folders of Technical Bid. He needs to fill up the BOQ in the designated cell and upload the same in designated location of Financial Bid. The documents uploaded are virus scanned and digitally signed using the Digital Signature Certificate (DSC). Venders should specially take note of all the addendum/corrigendum related to the tender till the bid submission ends. Venders should in general upload the latest documents as part of the tender, however, in case of failure in uploading such documents, it will be deemed that they (venders) have taken note of such latest documents including addendum/corrigendum, if published till the bid submission ends.

6.2 Technical Bid

The Technical Bid should contain scanned copies and/or declarations in the following standardised formats in two covers (folders):

I. Technical File (Statutory Cover)containing:

1. **Notice Inviting Tender (NIT)** – The NIT as published is to be downloaded and then uploaded the same digitally signed *(to be submitted in "NIT" folder).*

2. Annexure –

a) Basic Information (Vide Annexure I) *(to be submitted in "Annexure" folder)*
b) Application for Tender - (Vide Annexure II) *(to be submitted in "Annexure" folder)*
c) Authorization letter - (Vide Annexure III) *(to be submitted in "Annexure" folder)*
d) Affidavit Proforma - (Vide Annexure IV) *(to be submitted in "Annexure" folder)*

3. Technical details of the Items Quoted (Bidders must submit Technical specification along with Catalogue of the item quoted in **"Technical Details" f**olders.
4. Bidder must submit Audited Balance Sheet and Profit and loss Account for last 3 (three) financial year namely 2015-16, 2016-17& 2017-18 in **"Accounts"** folder.

Note: Tenders will be summarily rejected if any item in the statutory cover is missing.

II. My Document (Non-Statutory Cover) containing as follows:

Sl. No.	Category	Sub-Category	Sub-Category Description
1	Certificates	Certificates	PAN Card of the Bidder
			VAT/ CST /GST Registration Certificate
			Exemption Certificate for paying EMD for the current financial year (if any)
2	Company Details	Company Details 1	Trade License / Enlistment Certificate
			Registration with Registrar of Companies
			Memorandum of Articles for Limited Companies.
3	Credential	Credential 1	a) Copy of the purchase order for supplying Similar nature of items at least for last 2 years in an Institute of HigherLearning b) Brief User List preferably for users in West Bengal in an Institute of HigherLearning
4	Financial Information	Payment Certificate 1	Income Tax Returns submitted for the Assessment year 2016-17
			Income Tax Returns submitted for the Assessment year 2017-18
			Income Tax Returns submitted for the Assessment year 2018-19
		Payment Certificate 2	VAT/CST/GST Returns (of the last quarter) for the year 2016-17
			VAT/CST/GST Returns (of the last quarter) for the year 2017-18
			VAT/CST/GST Returns (of the last quarter) for the year 2018-19

6.3 FinancialBid

The Financial Bid should contain the following document in one cover (folder):

Bill of Quantities (BOQ): The vender is to fill-up the designated cell as marked by the University in the BOQ under online mode through computer for preparing their quotation and thereafter vender will have to upload the same after digitally signed as submission of their quotation (Only downloaded

copies of the BOQ as available in the web portal are to be uploaded without changing the name of the BOQ file after virus scanned and digitally signed by the vender)

7. The venders are not required to submit hard copies of Technical File (Statutory) or My documents (Non-Statutory). Submission of hard copy of Financial Bid is strictly prohibited and only be submitted through on line through NIC portal.

8. Evaluation of the tenders

During the tender evaluation process, the "Technical Bid" will be opened first. Those Bidders who have qualified in respect of the essential & other requirements in "Technical Bid" will be identified and their financial bid will be opened. The financial bid of those vender failing to meet the technical & other requirements laid down in the tender will not beopened and be rejected. The Tenderer offering the item found suitable and as per the tender specifications will only be selected. Final selection of the lowest bidder in respect of Financial Bid is subject to further verification. The Financial Bids of only those tenderers who have been considered as Technically Qualified will be opened. If found suitable in the context of above pre-qualification etc, the Tenderer quoting the lowest rate will be considered as successful.

9. TERMS & CONDITIONS REGARDING PURCHASE POLICY OF TENDERING AUTHORITY:

9.1 **Bid Information**:

a) **Partial Quotation within the same item serial number as mentioned in BOQ and also in this NIT will not be accepted and tender will be liable for cancellation.**

b) All duties, taxes and other levies payable by the contractor under the contract shall be includedinthetotalpricebutshouldbeindicatedseparatelyinthepricebid.

c) The rate quoted by the bidder shall be fixed for the duration of the contract and shall not be subject to adjustment on any account.

d) Currency will be made either in INR or from any of the foreign currencies like USD, EURO and JPY.

9.2 **Evaluation of Quotation**: The Purchaser will evaluate and compare the quotations determined to be substantially responsive stage wise. Firstly, Technical Bid will be evaluated based on and thereafter Price Bid for technically qualified bidders will be evaluated for selection of vender.

9.3 **Award of Contract**: **The contract shall be made item wise as per Item Serial number of the List of Items as shown in Clause 15.** The purchaser will award the contract to the bidder whose quotation has been determined to be substantially responsive both technically and commercially. Purchaser reserves the right to reject any or all the tender, wholly or partly, without assigning any reason thereof and shall not be bound to accept the lowest bid.

9.4 **Warranty**: The vendor shall be fully responsible for the comprehensive onsite warranty (3/3/3-part/labour/onsite) in all respect of the equipment's, accessories etc. including spares and services for a period of three years from the date of installation. Warranty will be effective from the date of joint installation Report.

9.5 **Adequate support service facility**: The bidder/manufacturer should have adequate service support centre in Kolkata/Siliguri/Cooch Behar for any emergency breakdown/fault offering

facility within 48 hours and should be agreeable to provide AMC facility after the warranty period.

9.6 **Training Facility**: User training regarding the operation of the equipment's shall be arranged by the supplier/vendor at no extra cost.

9.7 **Manufacturer's Authorisation**: Document in support of Manufacturer/Dealer and Service Provider has to be submitted along with the tender paper. If the bidder is not the manufacturer, proper manufacturer's authorization and warranty from manufacturer is required.

9.8 **Credentials**: Documents of previous experience of the job, at least 2 years, must be submitted along with thetender. Documents related to the previous supply of same types of items in at least (04) four recognized National Level Institutions.

9.9 **DSIR Certification**: The Cooch Behar Panchanan Barma University will provide the necessary certificate at the time of purchase.

9.10 **Make & Model**: Bidder must mention Make and Model in the Information Sheet as given vide Annexure-I and must send the product details/catalogue/brochure in the "**Technical Details**" folder.

9.11 **Time Schedule**: The supply and installation work must be completed within 15 days from the date of receipt of the purchase order.

9.12 **Validity of offer**: A bidder should spell out in the tender that it shall remain valid for a minimum period of three months from the date of opening of the tender and during this period, the bidder shall not be entitled to revoke or cancel its offer.

9.13 **Place of delivery**: **DEPARTMENT OF ZOOLOGY, COOCH BEHAR PANCHANAN BARMA UNIVERSITY, COOCH BEHAR -736101.**

9.14 **Payment Schedule**: 100% of the bill value will be paid after satisfactory installation/delivery of the equipments.

9.15 Performance Security: Successful bidder should deposit Performance Security money equivalent to the 10% of the order value in the form of DD/Bank Guarantee immediately before issuing purchase order from the University. Such security will be refunded after completion of the warranty period in normal case without any accrued interest. University may forfeit the Security Money in the event of the following circumstances:

i) Selected bidder withdraws the bid before expiry of its validity but after receipt of the Purchase Order.

ii) Selected bidder does not accept the order after issuing the same or fails to enter into a contract within validity period of offer.

iii) Selected bidder fails to supply the items within the scheduled time as specified in the Purchase Order

iv) If before expiry of the warranty period, the supplied items break down or do not function satisfactorily due to the cause related with the item itself or for its installation and not for any reason caused by the University Authority and the supplier denies to take the responsibility to make the supplied items in order.

v) In case of any false submission /statement by the bidder.

vi) In case of any refusal to abide by terms and conditions or refusal to enter into a written agreement as per prefixed terms and conditions.

9.16 **Quantity Changeability**: Quantity as stated in the tender document may subject to change at the time of issuing purchase order due to the fund crunch or for other valid reasons.

9.17 **Requisite Documents to be submitted:** Bidder must have adequate documents relating to Trade License and updated returns for Income Tax, VAT, GST Audited Statement of Accounts and other documents as sought for under Clause 6.2.II of this tender.

9.18 **Turnover Criterion**: Bidder must have average annual turnover of more than Rs.30 lakh in three financial year ending2017-18.

9.19 **Disposal of Disputes/ Damage**: In case of any dispute/damage, the University's decision will be treated as the final and conclusive. All legal actions are subject to Kolkata/ Cooch Behar jurisdiction only.

9.20 **Conversion of FC Rate**: Generally, the West Bengal Government Portal is equipped enough for conversion of Foreign Currency (FC) rate into INR. In case of any problem arising out of the West Bengal Government Portal for e-tender regarding the conversion rate against foreign currencies quoted by the bidders in the BOQ, the conversion rate as existing in the official website of the Reserve Bank of India (RBI) as on the date of opening the Financial Bid will be considered for Financial Bid Evaluation.

Discretion of the University:

9.21 University may take decision about non-purchase of the said equipment even after selection of vendor due to its fund constraints.

9.22 University may seek documents from the bidder in addition to the scanned documents sent by them at the time of uploading technical bid for verification and evaluation of tender.

9.23 University reserves the right to relax any clause as stated herein above for selection of responsive vender.

9.24 The university reserves the right to accept or reject any or all the submitted quotations without assigning any reason whatsoever even it comply all condition.

10. Dates &Information:

Sl. No.	Activities	Date & Time
1	Date of uploading of N.I.T. Documents in the e-tender portal of NIC: https://wbtenders.gov.in	09.12.2019
2	Documents download (online)	09.12.2019 (from 06.00 p.m.)
3	Bid Submission Start Date(on line)	09.12.2019 (from 06.00 p.m.)
4	Bid Submission Closing Date (Online)	30.12.2019 (up to 06.00 p.m.)
5	Bid Opening Date (Online) – Technical Bid	02.01.2020 (from 06.00 p.m.)
6	Date of uploading list for technically qualified bidder (online)	To be notified
7	Date of opening of Financial Bid	To be notified
8	Date of uploading of list of bidders along with the approved Rate	To be notified

11. Opening the financial bid as per schedule will BE NOTIFIED LATER ON.

Financial bid can be seen & accessed by the bidder through the NIC Portal on line after opening of financial bid on line. No objections raised by any Bidder in this respect will be entertained by the University. No informal tender will be entertained in the Bid further.

12. During the scrutiny, if it comes to the notice to tender inviting authority that the credential or any other paper found incorrect/manufactured/fabricated, that bidder would not allowed to participate in the tender and that application will be rejected outright without any prejudice.

13. The Tender Selection Committee reserves to right to cancel the N.I.T. due to unavoidable Circumstances and no claim in this respect will be entertained.

14. STEPS TO BE FOLLOWED FOR SUBMISSION OFE-TENDER

1. SEARCHING THETENDER

After Login on www.wbtenders.gov.in with DSC Click on Search Active Tenders

In Keyword writes Tender Reference No./Tender memo. No. or put Tender ID and click on submit on NIC website.

2. DOWNLOADING THE TENDERDOCUMENTS

After searching the particular tender, you will find NIT & BOQ and other document, click on those to download and save the documents.

- Then fill the login Id and password which is written on top or your own login id and password; the same page will appear again click on NIT & BOQ to download.
- While downloading the BOQ please do not change the name of the BOQ and quote as per the exact Accounting Unit, as mentioned.

3. UPLOADING DOCUMENTS UNDER “MY DOCUMENTS”FOLDER

- First upload all the “My Documents” before starting the Bid Submission process.
- While starting the Bid submission process after the EMD payment you will find an option “Do you want to submit Other Important Documents”.
- Here click on YES to submit the MY DOCUMENTS and then tick mark the check boxes to tag those documents in that particular tender.

4. UPLOADING DOCUMENTS UNDER “STATUTORY COVER”FOLDER

- First upload Tender Document (Other than BOQ) with digital signature in **NIT Folder**. Thereafter, upload Scanned Copy of all Annexure in the **Annexure Folder**.

5. BOQ

- While first opening the BOQ there is an option at top of the rows. “Security warning Macros have been disabled” Click on Options.
- Select “Enable the content” then OK. This will enable you to visualize the BOQ.

- **Select the Currency (INR, USD, JPY, EUR)** type from drop down list while quoting the amount against each item.

- Upload BOQ in the “BOQ Folder” under “Financial Cover” after filling up financial data in the appropriate columns

6. ITEM WISEDETAILS

- Select that item as Yes/No from drop down list which item bidder wants to quote the amount.

REGISTRAR
COOCH BEHAR PANCHANAN BARMA UNIVERSITY
VIVEKANANDA STREET, COOCH BEHAR – 736101

Annexure I

FURNISHING BASIC INFORMATION

(To be furnished in the Company's official letter pad)

1.	**Name of the Bidder**	
2	**Address for Communication**	
3	**Contact Number(s)**	
4	**E-mail ID**	
5	**Trade Licence No.** **(Please enclose copy of Trade Licence)**	
6	**PAN (Please enclose copy of PAN Card)**	
7	**VAT No. (Please enclose copy of VAT)**	
8	**Do you have previous experience for supplying similar nature of Items at Educational Institute of Higher Learning?** **(Please enclose copy of Purchase order & user list, if yes)**	**Yes/No** **(Please put tick mark)**
9	**Annual Turnover as per Audited P/L ACCOUNTS & BALANCE SHEET**	**2014-15 :Rs……** **2015-16 :Rs……..** **2016-17 :Rs…….** **Average Annual Turnover: Rs……..**
10	**Status of the bidder (Please enclose copy authenticating your status)**	**Manufacturer/Dealer/Distributer/Selling Agent/Stockiest** **(Please put tick mark)**

I hereby declare that the above information is true and correct to the best of my knowledge and belief. In case of any false/wrong/misleading information, I shall be bound to take the decision taken by theUniversity.

Signature of the Bidder

(With Seal)

Annexure II

APPLICATION FOR TENDER

(To be furnished in the Company's official letter pad with full address and contact no, Email address etc)

To

The Registrar

Cooch Behar Panchanan Barma University
Cooch Behar-736101

West Bengal

Sub: NIT for the Supply of **different Instruments** for the purpose of Departmental requirement for Department of Zoology

Ref:-_____N.I.T. No ……..…..……dated……..

Sir,

Having examined the pre-qualification &other documents published in the N.I.T, I/we hereby submit all the necessary information and relevant documents for evaluation:

1. That the application is made by me/us on behalf of…….....…… …….....……in the capacity ……...…… duly authorized to submit the offer. The authorization letter from the Company is attached in Annexure II.
2. We accept the terms and conditions as laid down in the tender document vide **Clause 9** and declare that we shall abide by it throughout the tender period including its extensions, if any.
3. We have gone through the Tender Document thoroughly and quoted the tendered items keeping in mind all sorts of information as furnished in the tender document including Corrigendum/Addendum as published from time to time.
4. We are offering rate for the following item /items with manufacturing capacity and assured supply to the Cooch Behar Panchanan Barma University.

Sl. No.	Description of Items	Make	Model No.	Quantity	Offer Validity

4. In the event of being selected, I will make the supply within the stipulated period excepting the condition which is beyond our control.

Date:-

Signature of applicant including title and capacity in which application is made.

Contact no:

E-mail address

Postal Address:

Annexure III

(Authorization letter in favour of the applicant (other than Managing Director/ Proprietor/Partner) from the competent authority.)

FORMAT

(To be furnished in the Company's official letter pad with full address and contact no, Email address etc)

(TO WHOM IT MAY CONCERN)

This is to certify that Mr. .....(Name),

employee of this Organisation as ..... (Official Designation) is

hereby authorised to submit tender online, Vide NIT

No....., Dated ..... on behalf of the

Organisation.

Signature of the competent authority with Seal

.....

(Signature of the Authorised Person)

Signature of Mr.....

.....is hereby attested.

Signature of the competent authority with Seal

ANNEXURE IV

(Affidavit Proforma)

(To be furnished in Non – Judicial Stamp paper of appropriate value duly notarized)

I, Sri/Smt. .....

The Managing Director/Proprietor (etc.) of the Firm,

.....(Name of the firm)

At (address).....

do hereby solemnly affirm and declare as follows:

1. That I have not ever been convicted of any offence making myself liable to be disqualified to supply of Chemicals / Equipments/other items to any Govt. or Govt. undertaking Organization
/Institution in the State of West Bengal or other State or States.

2. That no case is pending against me or against my firm in any criminal court of law to supply of Chemicals, Lab. Chemicals & Laboratory Equipments and other items to the Govt. or Govt. undertaking Organization / Institution in the State of West Bengal or other State or States (If any case is pending, state the details).

3.That, I also declare that if any information subsequently found incorrect or false will it automatically render the tender submitted by me cancelled and make me liable for penal/legal action as per law of the country.

4. That my concern has not yet been declared bankrupt by any banking or money lending agency duly licensed by RBI nor has it been considered doubtful by any Government concern so far as the solvency of the organisation is concerned.

5. That I do further affirm that the statements made by me in this tender are true to the best of my knowledge and belief and all the documents attached are genuine &correct.

Deponent(s).