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Office of The Principal
Jhargram Raj College, Govt. of West Bengal
P.O. & Dist.-Jhargram, Pin-721507

Memo No: NIT/412/24-25/DBT

Date: 23.08.2024

NOTICE INVITING TENDER

Seal tenders are invited from the manufacturers, authorized distributors and/or suppliers for small equipments for the **Department of Botany** under the DBT star College grant (**San. No. 102/IFD/SAN/911/2024-2025 dated 11.06.2024**). The interested manufacturers, authorized distributors/suppliers/dealers may submit tenders in the prescribed proforma (**Annexure I**) to the office of the Principal, Jhargram Raj College, Jhargram latest by August 31, 2024. Tenders in any other format will not be entertained and will be rejected outrightly. The Principal, Jhargram Raj College reserves the right to select the items (in single or multiple units) or to reject any quotation without assigning any reason. Incomplete tenders, amendments and additions to tender after opening or late tenders are liable to be ignored and rejected. The envelope containing tender must clearly be **superscript the name of the Department and the memo number** of the tender notice.

For details, please visit College website- **www.jrc.ac.in**.

Terms and Conditions of Bid

1. Only manufacturer(s) or their sole authorized distributors/ agents are eligible to bid. Authorization letter in the prescribed format (**Annexure – II**) from original manufacturer in favour of authorized Agent to bid/conclude the order against this tender, must be enclosed with the technical bid.
2. All offers should be made in English and should be written in both figures and words. All offers should be quoted in INR currency and comprehensive maintenance for three years for all the equipment. The rates once accepted will remain valid for the period up to 31st March, 2025 and will not be changed under any circumstances.
3. No advance payment must not be claimed against any work order before the delivery of the items at a time to the Office of the Coordinator, DBT star College scheme, Jhargram Raj College.
4. No installation charge and post-sale service will be claimed at any circumstances.
5. The Rate should be quoted as per specification excluding of All Taxes. **The L1 bidder will be selected based on the quoted price of the materials excluding taxes.**
6. **Any distortion in the technical specification indicated and also all terms & condition as indicated by the tender inviting authority for any of the items will reject the entire bid of the bidder.**
7. The bidders must have successfully completed at least 3 similar orders in the central and the state government agency/institution. Copy of the purchase order must be attached with Technical Bid.
8. Signed & stamped compliance sheet of the technical specification with make and model of the equipment with technical printed literature along with Bill of Material (BoM) mentioning all the terms & conditions clearly, must be enclosed with the bid.
9. Photocopy of the financial statements with net profit, duly audited/certified by the chartered accountant (CA) of the last three financial years along with the copies of income tax return (ITR), IGST certificate, PAN No., current trade license and a cancelled cheque must be enclosed with the bid (**Annexure III**).
10. The tenderer should not have been debarred or blacklisted by any Central/State Government Departments of India. Self-declaration in their letter head must be enclosed with the technical bid in prescribed format. The proforma of the self-declaration is attached with the tender as **Annexure –IV**.
11. The tender bid will be outrightly rejected if it comes to the notice of the tender inviting authority during scrutiny that the credential or any other paper of a tenderer is fabricated etc. and the tender inviting authority shall verify the abovementioned documents (In original) which are mandatory for the participation before issuance of the work order.
12. The tenderer viz. the Indian Agents and or the foreign firms should furnish a certificate that the rates quoted by the tenderer are not more than those quoted to any other Institution in India or abroad during the last one year, with supporting documents.
13. In case of any dispute, the College's decision will be treated as the final and conclusive. All legal actions are subject to Kolkata jurisdiction only.
14. The delivery should be made to the office of the coordinator, DBT Star College within seven (07) days from date of issuance of work order (**All the items at a time**). The supplied items will be physically verified and compared with the detail specification of individual items by the coordinator during delivery.

15. The violation of any of the conditions will entitle cancellation of the order.
16. Payment of bills on its production will be made after successful supply of the items within stipulated time, after the successful installation of each and every individual.
17. Any postal delay will not be entertained and bids reaches after 5.00 pm of the stipulated date (31th August, 2024) will not be accepted.

Itemised Detail Specification

Sl.No	Equipment with Specifications	Make
01.	<p>Water Bath (normal) Specifications: Material: Stainless Steel Voltage: 220 - 230 Volts AC Temperature: Upto 90 Degree C Type: Single Walled Dimension: 300 x 250 x 100 MM Accuracy: 1 Degree C Hole Size: 75mm In Diameter</p>	LAB SOLUTION INDIA
02.	<p>Stereomicroscope Specifications: Model : Magnus MSZ TR Body: Trinocular Objective lenses Type: Achromatic Objective lenses Magnification: 1.0X Numerical Aperture of Objective: 0.05 Zoom Ratio: 7:1 Stage Type: Standard stage with transmitted light bases Zoom/Magnification operation: Manual Filters: Without Filter Type of lamp for Illumination: 6V 15W halogen top lamp, 5W fluorescent bottom lamp Display Through System (System/Laptop etc) Type of External System: NA (For System not provided)</p>	MAGNUS
03.	<p>Camera with adaptor for Sterio microscope Specification: Compatible with Magnus MSZ TR Model of Camera: DC5MP Type of Camera: Colour Camera type: Still + video Camera Image sensor: CMOS Image sensor size (INCH): 1/2.5 Effective Pixel/Resolution Monochrome (MP): 5 Effective Pixel/Resolution Colour (MP): 5 Image format: JPEG, AVI, TIFF Digital zoom: 0 Video recording: Yes Maximum recording resolution: NA Brightness control: Manual Connectivity interfaces: USB Camera control: App/software Camera storage type: NA Storage Capacity (GB): NA Camera power Source: Through USB Warranty on camera (in month): 12 Month Imaging software: Perpetual license, Compatible with Windows or higher version operating system</p>	MAGNUS
04.	<p>WESWOX SENIOR ROTARY MICROTOME (SPENCER 820 TYPE). LATEST MODEL Most suitable for disposable blade attachment Model No. – MT-1090a Make - WESWOX Specifications: Feed adjustment - 1-50 microns (in steps of 1 micron each)</p>	WESWOX

	<p>Opening of object Clamp 37x27 mm (Ball and Flange type) Total feed excursion 28mm Overall Size 16"x10"x9" weight 27Kg Razor 120mm with back & handle</p>	
05.	<p>Magnus MX-21i TR LED Trinocular Research Microscope Specifications: Type of Product: Microscope Optical Tube: Trinocular Magnification: 1000x : Halogen 6V-20W or LED 30000 hours of LED life. : Plan Achromatic 4x, 10x, 40x and 100x Eye Pieces: WH 10x (FN 20mm) Condenser: Abbe type with aperture iris diaphragm N.A. 1.25 Voltage Supply: 100-230V AC Material: Metal Color: White & Black Model No: MX-21i TR LED Nose Pieces: Quadruple Revolving Stage: Mechanical stage Focus: Co-axial coarse and fine focusing Camera: Magcam DC-5</p>	MAGNUS
06.	<p>Magcam DC-5 Camera and 0.5x Tr Adapter Specifications: Compatible with Magnus MX-21i TR LED Trinocular Adapter: 1.0 x Tr Adapter Resolution: 25. MP, Sensor: CMOS.</p>	MAGNUS
07.	<p>Shaker incubator (B.O.D): Orbital Shaker Incubator: Specifications: Temperature range: 50 - 1100C Better Glass wool / Puff Insulation keeps the temperature of the chamber immune from outer environment. Silent & unique Design of Air Circulation provide throughout uniform air movement & improved temperature distribution. Inner Illumination through florescent light on opening of door. Double door: outer of MS powder coating & Inner acrylic door from clear viewing without disturbing the chamber temp. Polish 304 grade S. Steel interior, corrosion resistant for long life operation. Fitted with shaker with a capacity to hold 16 flasks of 250ml or 500ml Kanthal A-1 super quality round shaped heaters for heating & hermetically sealed compressor for cooling Equipped with digital temperature controller cum indicator.</p>	LAB SOLUTION INDIA
08.	<p>UV-Vis Spectrophotometer (Single beam) Specifications: Model: LUV1100T Single Beam UV-Vis. Spectrophotometer Wavelength range 190 -1100 nm. Bandwidth - 2 nm Wavelength Accuracy - ±0.5 nm. Display - 10-inch Touch Screen. 21CFR Part 11. Memory - 32GB.</p>	LABMAN
09.	<p>Plant Growth chamber Specification: Brand: Plant X Model No: PLXPTCB1 Country of origin: India Package dimensions: 12×16×36 inch Item type: Table top. Portable</p>	PLANTX

	Weight: 45kg	
10.	<p>Laminer Air Flow Specification: Model: LFAS-110 Confirmity to Certifications CE European Manufacturing Standards ISO 9001 & ISO 13485 Type of configuration Mobile Material used for the work bench Stainless steel 304 grade Material used for the front door Acrylic transparent Material used for the Side Panels Stainless steel 304 grade Availability of motorized sliding door Yes LCD display for velocity, time & lamp on/off Yes UV Hour Meter Yes UV Germicidal Lamp Yes DOP HEPA filter testing Yes Digital Pressure Gauge with Alarm Yes Availability of display Yes Type of display LCD Warranty 3 year</p>	LFAS
11.	<p>Compact Cooling centrifuge CM-12 Plus with angular rotor (R- 81 M-16×15 ml) and voltage stabilizer- VS-02 Specification: Stable speed output High Capacity (CM-8 Plus) High Speed (CM-12 Plus) Wide variety of rotors & reduction adaptors Precise temperature controls up to – 8°C Pre-cooling feature Fast spin feature Calibration window on lid for speed (rpm) Brushless Induction motor with variable frequency drive ensures gentle start Microprocessor based unit with alpha numeric LCD display Self-diagnosis of errors Parameters setting through easy to use bi-directional encoder Inverter fault detection with auto shutdown CFC free refrigeration system 24 programme memory 3 Accelerations, 4 Deceleration profiles Choice of rpm / rcf setting & display Operating panel with feather touch keys Digital countdown timer 0-99 minutes & continuous run Last set parameters recall (Useful for repetitive analysis) Automatic Rotor identification Safety lid interlock to prevent lid opening during centrifugation Imbalance detection & centrifugation stop with display of error Motor overload protection Gas hinge to prevent falling of door Emergency lid lock release</p>	REMI
12.	<p>Orbital Shaker incubator (Bactriological) Specification: Castor wheels: No Warranty in years:1 Range of Temperature:5 degree centigrade to 60 degree centigrade: Type of Display: LCD Type of speed control:Step Orbital shaking amplitude in mm:25 mm Type of flask which can be accommodated:250 ml No of clamps for 100 ml flask to be supplied with system 18 No of clamps for250 ml flask to be supplied with system: 10 No of clamps for 500 ml flask to be supplied with system: 6 No of clamps for 1000 ml flask to be supplied with system: 4 Interior illumination: LED Bulbs Stabilizer provided: No Availability of test report from govt/ NABL/ILAC accredited lab covering all</p>	LFAS

	parameters :No Copies of all certifications and reports to be provided to buyer on demand at time of supplies: NA	
13.	Refractometer Specification: Sugar Content Range: 0 to 50% Brix Sugar Content Resolution: 0.1% Brix Sugar Content Accuracy ±0.2% Brix Temperature Range: 0 to 80°C (32 to 176°F) Temperature Resolution: 0.1°C (0.1°F) Temperature Accuracy: ±0.3 °C (±0.5 °F) Temperature Compensation: automatic between 10 and 40°C (50 to 104°F) Automatic Shut-Off: after three minutes of inactivity Battery Type/Life: 9V / approximately 5000 readings Dimensions: 192 x 102 x 67 mm (7.6 x 4.01 x 2.6") Weight: 420 g (14.8 oz.) Refractometer Light Source: yellow LED Minimum Sample Volume: 100 µL (to cover prism totally) Sample Cell: stainless steel ring and flint glass prism Measurement Time: approximately 1.5 seconds del: HI96811	HENNA INSTRUMENTS
14.	Seed germinator Chamber Specification: Capacity: 170 liter Type: General Seed Germinator Equipment Dimensions (mm): 505 x 415 x 830 Certifications: CE ,ISO	SDSI
15.	Soxhlet apparatus with heating Chamber Specification: Brand Name :HTLP Voltage :220-230V AC Type of Product :Soxhlet Extraction Unit Model No :HTLP-039 Application :Pharmaceutical laboratory, microbiology, oil and gas industry, food production laboratory Design : Without Glass Parts	HTLP
16.	Digital Camera (DSLR) Specification: Vari-angle Touch Screen LCD, Dual pixel CMOS AF, 3 975 selectable focus positions (Live View), EV -4 focusing limit, Eye Detection AF (One Shot & Servo AF ?Live View), OVF: 9 AF Points, Live View: 3 975 selectable focus positions, Live View: One-Shot AF & Servo AF, Touch Screen, Tilt Screen Effective Pixels: 24.1 MP Sensor Type: CMOS WiFi Available Full HD	CANON
17.	Herbarium press Specification: Size: 12"x18" Wooden Rectangular Herbarium Press	ADARSH INTERNATIONAL
18.	Digital dissolve oxygen monitor Specification: SKU: HI9142 Name: Portable Dissolved Oxygen Meter – HI9142 Dissolved Oxygen Measurement Type: polarographic Dissolved Oxygen Range: 0.0 to 19.9 mg/L (ppm) Dissolved Oxygen Resolution: 0.1 mg/L (ppm) Dissolved Oxygen Accuracy: ±1.5% F.S. Dissolved Oxygen Calibration: manual in 100%; automatic in 0% DO Dissolved Oxygen Temperature Compensation: automatic, 0 to 50°C (32 to	HENNA INSTRUMENTS

	<p>122°F) Temperature Range: -5.0 to 50.0°C (23.0 to 122.0°F) Temperature Resolution: 0.1°C (1°F) Temperature Accuracy: ±0.2°C (±1°F) (excluding probe error) DO Probe: HI 76407 with 4 m (13') cable (included) Automatic Shut-Off: After approx. 8 minutes Battery Type/Life: 1.5V AA (4) / approx. 500 hours of use Environment: 0 to 50°C (32 to 122°F); RH max 100% Dimensions: 196 x 80 x 60 mm (7.7 x 3.1 x 2.4 in.) Weight: 500 g (1.1 lb.)</p>	
19.	<p>Combo pH/Conductivity/TDS Tester (High Range) Specifications SKU: HI98130 pH Range: 0.0 to 14.0 pH pH Resolution: 0.01 pH pH Accuracy: ±0.05 pH pH Calibration: automatic, at one or two points with two sets of standard buffers (pH 4.01 / 7.01 / 10.01 or pH 4.01 / 6.86 / 9.18) pH Temperature: Compensation automatic EC Range: 0.00 to 20.00 mS/cm EC Resolution: 0.01 mS/cm EC Accuracy: ±2% F.S. EC Calibration: automatic, one-point at: 12.88 mS/cm TDS Range: 0.00 to 10.00 ppt (g/L) TDS Resolution: 0.01 ppt (g/L) TDS Accuracy: ±2% F.S. TDS Calibration automatic, one-point at: 6.44 ppt (g/L) EC/TDS Temperature Compensation: automatic with β adjustable from 0.0 to 2.4% / °C EC to TDS Conversion Factor: 0.45 to 1.00 Temperature Range: 0.0 to 60.0°C / 32.0 to 140.0°F Temperature Resolution: 0.1°C / 0.1°F Temperature Accuracy: ±0.5°C / ±1°F pH Electrode: HI73127 (replaceable; included) Battery Type/Life: 1.5V (4) / approx. 100 hours of continuous use, auto-off after 8 minutes of non-use Environment: 0 to 50°C (32 to 122°F); RH max 100% Dimensions: 163 x 40 x 26 mm (6.4 x 1.6 x 1.0") Weight: 100 g (3.5 oz.)</p>	<p>HENNA INSTRUMENTS</p>
20.	<p>Direct Soil Measurement pH Portable Meter Specifications: SKU: HI99121 pH Range: -2.00 to 16.00 pH; -2.0 to 16.0 pH pH Resolution: 0.01 pH; 0.1 pH pH Accuracy: ±0.02 pH; ±0.1 pH pH Calibration: automatic, at one or two points with two sets of standard buffers (pH 4.01 / 7.01 / 10.01 or pH 4.01 / 6.86 / 9.18) pH Temperature Compensation automatic -5.0 to 105.0 °C/23.0 to 221.0 °F pH CAL Check (electrode diagnostics): probe condition indicator mV Range: ±825 mV (pH-mV) mV Resolution: 1 mV mV Accuracy: ±1 mV (pH-mV) Temperature Range: -5.0 to 105.0°C / 23.0 to 221.0°F Temperature Resolution: 0.1°C / 0.1°F Temperature Accuracy: ±0.5°C (up to 60°C); ±1.0°C (outside) / ±1°F (up to 140°F); ±2.0°F (outside) pH Electrode: HI12923 glass body, pre-amplified pH electrode for soil measurement with internal temperature sensor, quick connect DIN connector and 1 m (3.3') cable (included) Automatic Shut-Off: user selectable: after 8 min, 60 min or disabled</p>	<p>HENNA INSTRUMENTS</p>

	<p>Battery Type/Life: 1.5V (3) AAA / approximately 1400 hours of continuous use; auto-off after 8 minutes of non-use IP Protection: IP67 Environment: 0 to 50°C (32 to 122°F); RH max 100% Dimensions: 154 x 63 x 30 mm (6.1 x 2.5 x 1.2") Weight: 196 g (6.91 oz.)</p>	
21.	<p>Falcon Super Steel Secateurs Specifications: Brass anvil Hardened and tempered steel blade Leaf spring system Cutting capacity: 12mm</p>	FALCON
22.	<p>Falcon foldable pruning saw Specifications: Brand FALCON Colour: Multicolour Blade Material: Metal Specifications: Surface Recommendation: Metal Power Source: Hand Powered Included Components: Pruning Saw Item Weight: 153 Grams Speed: 4500 RPM Blade Length: 10 Inches Number of Teeth: 60</p>	FALCON
23.	<p>Falcon FCHS-901 Steel Secateurs Specifications: Brand: FALCON Colour: Silver Item Weight: 360 Grams Style: Classic Blade Material Alloy Steel</p>	FALCON
24.	<p>Soil sampler Specifications: disassemble T-style handle, all-in package size: 12 inches*1.2inches*1.1inches (30cm *3.2cm *2.8cm), Compact & Lightweight for easy transportation and efficient storage, convenient for outdoor field operation.</p>	SUKHISE
25.	<p>Chaff cutter Specifications: Type test Certifications: Test report from FMPTTI's Budhin/NRFMPTTI's Hisar or institute recognized by M&T Department, DAC, MoA&FW, GOI Basis of cutting mechanism Type: Cylinder type Basis of cut chaff dropping position Type: Let fall Basis of feeding mechanism: Chute fed Warranty in years: 2 Material of feed roller: Cast iron</p>	UNBRANDED
26.	<p>Pulverizer Specifications: Blade Material Stainless: Steel Material: Stainless Steel Machine Capacity: (Kg/Hr) 1-15 MotoR Required: 2 horsepower Motor Speed: RPM 1400 Type of Hammers Stirrup Type Rotor (Hammers) Swing Automation Grade Semi-Automatic No. Of Blades 4 Driven Type Electric Height 700 millimeter Chamber Size 10 inch</p>	UNBRANDED

	Length 500 millimeter Weight 30 kilogram Width 400 millimeter Grinding Disc Diameter, Inch 6	
27.	Heavy duty mixer grinder Specifications: Brand Name : Verai Country of Origin :India Weight :30 Kg Capacity :5 L Dimension : 11 x 26 x 13 inch Name of Manufacturer/Packer/Importer :Verai Industries	VERAI


 Principal
 Jhargram Raj College



 Principal
 Jhargram Raj College


NIT/412/24-25/DBT

Date: 23.08.2024

Copy forwarded for information and taking necessary action to:

1. The Hon'ble District Magistrate, Jhargram
2. The Sub-Divisional Officer, Jhargram.
3. The Treasury Officer, Jhargram.
4. The Block Development Officer, Jhargram.
5. The Post Master, Jhargram.
6. The Chairman, Jhargram Municipality.
7. Dr. Garima Gupta, Program officer, DBT, GoI, New Delhi
8. Dr. Tapas Kr. Adalder, Coordinator, DBT Star College Scheme, Jhargram Raj College.
9. College Notice Board.
10. Sri Diganta Das, Librarian, Jhargram Raj College
11. Sri. Sayantan Roy, Convener website committee. Jhargram Raj College
12. Sri Sandip Sarkar, Convener, purchase advisory committee. Jhargram Raj College


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Proforma for Quotation (Annexure I)

Sl. No.	Name of the instrument	Technical specification with make and model	Whether technical printed literature along with Bill of Material (BoM) submitted or not	Catalogue Price (INR)	% of discount on the catalogue price	Rate excluding GST after Discount

Annexure – II

FORMAT FOR MANUFACTURER'S AUTHORISATION LETTER TO AGENT (on letter head)

Ref. No. Date:

To,
The Principal/Officer-in-Charge,
Jhargram Raj College,
Jhargram,
West Bengal 721507

Sub.: Authorization Letter

Dear Sir, We, _____, who are established and reputed manufacturers of _____, having factory at _____, hereby authorize M/s. _____ (name & address of Indian distributor /agent) to bid, negotiate and conclude the order with you for the above goods manufactured by us.

We shall remain responsible for the tender / contract / agreement negotiated by the said M/s. _____, jointly and severely.

We ensure that we would also support / facilitate the M/s _____ on regular basis with technology / product updates for upgradation / maintains / repairing / servicing of the supplied goods manufactured by us.

In case duties of the Indian agent / distributor are changed or agent / distributor is changed it shall be obligatory on us to automatically transfer all the duties and obligations to the new

Indian Agent failing which we will ipso-facto become liable for all acts of commission or omission on the part of new Indian Agent / distributor.

Yours faithfully,

[Name & Signature] for and on behalf of M/s. _____ [Name of manufacturer]

Note: This letter of authorisation should be on the letterhead of the manufacturing concern and should be signed by a person competent and having the power of attorney to bind the manufacturer. A copy of notarised power of attorney should also be furnished.

Bidders Information (Annexure-III)
(On bidder letterhead)

1. Name of the party (In Capital letter):

2. Permanent address (proof needed):

3. (a) Name of the Contact Person
(b) Contact No.
(c) Email.ID

4. Communication address (proof needed)

5. Trade license No. & date: (Renewed)

6. (a) PAN card No. (Business):
(b) (GST No.)
(c) Annual Turn Over (Prof Needed)

7. Nature of business

8. Bank detail (Kindly attach scanned copy of one Cheque)
 - a. A/C No.

 - b. Name of the Bank and Branch

9. Other Relevant Information of the Bidder:

N. B.: Copy of the documents should be furnished along with the application. I declared that all terms and conditions will be followed by me and the submitted documents are true to the best in my sound knowledge and belief.

Dated:

Signature of Party (With seal)

Annexure-IV

FORMAT FOR self-declaration of NON-BLACKLISTING OF SUPPLIER (On letter Head)

I/ We _____Manufacturer/partner/Authorized Distributor/Agent (strike out which is not applicable) of (Supplier) _____ do hereby declare and solemnly affirm that the individual/firm/company is not black-listed by the Union/State Government/Autonomous body. We hereby confirm that the we will withdraw our bids if the tender inviting authority find us guilty of blacklisting by any authority across the country or the tender inviting authority can cancel our entire bid at any point of tender process.

Signature of the Deponent

Address _____