



Tel No.- 03221-255022/ 258700

Fax- 03221-258700

Website: <https://jrc.ac.in>

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

Memo No: NIT/415/24-25/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 Zoology** 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.	Name of Equipments	Specification	
1	Double Distillation Unit	Capacity Distilled water Output: 2.5LPH; Minimum Cooling water requirement(9Ltr/min): 1.5Lit., Heater: Quartz; Boiler :Boro 3.3; Biological Activity: Pyrogen Free; Conductivity S/cm: $<1 \times 10^{-6}$; Power Consumption (kw): 4.4 KW; Voltage(V): 230V; Dimension (L X B X H) in mm: 650 x 630 x 520;	Exact Spec
2	Sedwick rafter Counting Chamber	Sedgewick Rafter Counting Chambers kst-1160 Material: Plastic Slide Size:76mm x 40mm x 2mm Chamber Size:50mm long x 20mm wide & 1mm deep Chamber Volume:1ml Grid:100 x 1mm squares	Exact Spec
3	Plankton Net	It has a conical Bag Silk Bolting Cloth suspended by means of reinforcement to a metal ring. One glass vial is supplied which can be tied at the end of the bag. Fitted with non rusting metal metal chain 13" long and alluminium handle.	Exact Spec
4	Digital Turbidity Meter	Measurement Range – 0~2000 NTU Resolution –0.01, 0.1, 1 Accuracy - $\pm 2\%$ of reading for 0~500 NTU $\pm 3\%$ of reading for 501~2000NTU Calibration Points – 2 to 7 points Light Source – Infrared –emitting diode Memory – Stores up to 200 data sets Display – 4.5" TFT display Password Protection -Yes Operating Temperature: 0-50 ⁰ C	Labman
5	Combo pH/Conductivity/TDS Tester	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); EC Range 0.00 to 20.00 mS/cm; EC Resolution 0.01 mS/cm; EC Accuracy $\pm 2\%$ 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 $\pm 2\%$ 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; 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.)	Hanna ; HI98130
8	Vertical Mini Gel System	Mini dual electrophoresis unit for two slabs gel 10×8 cm. The unit includes buffer chamber safety lid with cables two alumina notched plates. 10 glass plates, 2 ten well 1 mm thick combs,4 spacers of 1 mm thickness and dualgel caster.	Tarson; 7080

9	Horizontal Gel Electrophoresis Mini Sub System	Designed for very fast separations of DNA restriction fragments in agarose gels. Includes buffer chamber, safety lid with cables, UV transparent tray and one each of 1.5 mm thick 8 and 15 well comb; Casting Tray:7 x 10 cm	Tarson; 7030
10	Electro Transfer Mini Duel System	Electrotransfer Mini Dual System is made of an acrylic material and has the following features: - It has 2 gel cassettes, which can fit a gel of size (8 * 7) sq.cm. - 1 packet each of filter pads and cushion pads are provided - A heat exchanger is incorporated to allow optimal temperature control and maximize transfer efficiency. - 1 set of connecting cords (1 each of red and black) is provided - 1 lid is provided - 1 buffer reservoir of volume 600 mL is given	GeNei; 106819GB; 08-02
11	Power Pack for Gel System	This unit can be used with Submarine and MiniVertical electrophoresis unit. It can run two units at constant voltage or constant current with maximum output of 300V, 400mA and 80Watts. Time can be set in 1 minute increment or continuous mode.	Tarson; 7090
12	UV Tranilluminator	UV Transilluminator with filter 20 cm x 20 cm (For detection of more than 50 ng of DNA) Wavelengths: 312 nm Number of tubes: 6 Body design: MS with powder coat Limit of detection: 50 ng Power: 8 watt Area: (20 * 20) sq.cm.	GeNei; 107176GB; TCM-1
13	Drosophilla culture incubator chamber	Automation Grade: Automatic, frequency 50/60Hz Insulation Puff Color White Chamber Volume 400 litre Usage/Application Lab Number Of Shelves 3 Shelves Temperature Range 5 to 75 degree celsius Capacity 250 L Humidity Range 50% to 90% RH Temp. Resolution 0.1 deg C Work Temperature +5 to 35 deg C Gross Weight 150/190 Kg	
14	Hot water bath for histology(tissue floating bath)	Chamber Capacity:9" Dia x 4" depth; Double walled, Square construction, Round inner chamber made of black anodized alluminium & outer fabrication made of M.S Sheet with powder coated paint; Thermostatic control from ambient to 80°C along with energy regulator; Load 500 W	digilab

15	Dry block incubator	Display: LCD; Temperature Control Range: 0 ⁰ C to 100 ⁰ C(If ambient temp.<20 ⁰ C), 4 ⁰ C to 100 ⁰ C(If ambient temp.<25 ⁰ C), 10 ⁰ C to 100 ⁰ C(If ambient temp.<30 ⁰ C); Shaker Speed: 200-1800 rpm; Cooling Time:25min(from RT to RT-20 ⁰ C); Mixing Orbit:2 min; Timing Range: 1 min-99h59min; Temp. Control Accuracy: ±0.5 ⁰ C; Temp. Resolution: 0.1 ⁰ C, Temp. Uniformity of Block:±0.3 ⁰ C; Heating Time: ≤15 min(25 ⁰ C up to 100 ⁰ C); Program: Support 5 Multipoint Programs; Standard Block: 35 x 2.0ml; Power : 200W; Power Supply: AC 220V, 50/60Hz; Dimension mm: 270 x 190 x 170	Labman, DBI20
16	Water bath 2L Capacity	Doubled Walled, Rectangular with powder coated paint; Inner Chamber made stainless steel ; 6 Holes on the Top plate with reducible rings; Thermostatic Controlled from ambient temperature to 1000C with accuracy of ±10C measured by alcohol thermometer, Bath consists of two pilot lamps, capillary Thermostat & On /Off Switch; Rating: 220/230Volts, 5 Amps, Single phase, 50Hz A.C. Supply; Load: 1KW	digilab
17	Van Dorn bottle, 2L capacity	Automation Type: Semi-Automatic; Usage/Application WATER SAMPLER	Model Name/Number JNSN
18	Sahil's Haemoglobinometer	Sahil's	Exact Spec
19	Sphygmomanometer	Mercurial Type	Exact Spec
20	Soil Testing Kit	Soil testing kit (For the estimation of N,P,K & pH)4x10 te st	Exact Spec
21	Water Testing Kit	for the estimation of arsenic,alkalinity and pH, Fluoride, Chloride and Residual chlorine)	Exact Spec
22	Digital Colorimeter (8 filter)	Wavelength Range: 400-700 nm with 8 filters, Filter Peak Wavelength(typically): 420nm,440nm, 490 nm, 520nm, 540 nm,570 nm, 600 nm, 700 nmm , Measuring Mode: %T& Abs, Photo electric Resolution: 0.1%,T, 0.001 Abs upto 1.999 Abs, Display: 3 digits LED, Dimension : 160 x 200 x 100 mm, Weight 1.5 kg	Systronics
23	Digital Colorimeter (3 filter)	%T & Abs. 1ml Sample volume Display : 3 Digit LED Light source : White LED Eight Optical filters on a turret to cover 400 – 700 nm	Systronics
24	Ring cast net	Fishing Net With Ring Diameter: 9.8 Ft (Approx 3 Meter) * Height 9.2 Ft (Approx 2.8 Meter) net mesh hole finger size 1x1cm. Thickness of thread 0.30 mm, Type of Thread Extra Strong & Strength Mono filament Nylon. Fishing Net actual weight 2.400 kg	Exact Spec
25	Digital TDS Meter	Frequency: 100 Hz or 1 KHz Automatic, Conductivity Range: 0.1 uS to 100 mS. (6 decadic ranges), Accuracy:±1% of F.S. ±1 digit, Resolution: 0.001µs, TDS Range: 0.1 ppm to 1.00ppt. (6 decadic ranges), Accuracy: ±1% of F.S #1 digit, Temperature Range : 00C to 1000C(Auto/Manual), Resolution: 0.10C, Accuracy: ±0.20C to ±1 digit, Cell Constant: Accepatable from 0.1 to 5.0, Auto Temp Compensation: 00 C to 1000 C with PT 100 sensor,Display: 7 digits, 7 segment LDs, Power 230 volt AC, # 10% , 50Hz, Dimension: 250(w) x205(D) x 75(H) mm	Systronics

26	GPS Tracker	<p>Specifications:</p> <ol style="list-style-type: none"> 1. PHYSICAL DIMENSIONS: 2.5" x 6.4" x 1.4" (6.2 x 16.3 x 3.5 cm) 2. DISPLAY SIZE: 1.5"W x 2.5"H (3.8 x 6.3 cm); 3" diag (7.6 cm) 3. DISPLAY RESOLUTION: 240 x 400 pixels 4. DISPLAY TYPE: transfectivecolor TFT 5. WEIGHT: 8.1 oz (230 g) with batteries 6. BATTERY TYPE: Rechargeable, internal lithium-ion 7. BATTERY LIFE: Up to 36 hours; Up to 450 hours in expedition mode 8. WATER RATING: IPX7 9. MIL-STD-810: (thermal, shock, water) 10. INTERFACE: high speed micro USB and NMEA 0183 compatible 11. MEMORY/HISTORY: 16 GB <p>Make: Garmin</p>	Garmin GPSMAP 66sr
27	Spotting Scope with tripod	Spotting Scope 20-60x80 HD with Phone Holder, Tripod Stand	Exact Spec
28	Range Finder	Laser Range Finder 1000 Meters 1Km RFA- 1000	Exact Spec
29	Insect Net	Telescopic Bug Catching Nets with 12 Inch Ring, Handle Extends to 59 Inches	Exact Spec
30	Autoclave	Working Chamber Size 14" x 22"(50Liters Approx), Double Walled, both working chamber & outside body made 304SS, Fitted with digital temperature controller & pressure gauge, water level indicator & automatic low water cut off device; Radial locking with paddel lifting arragement & stainless steel basket, Digital temperature controller & pressure gauge switch.	digilab
31	Digital SLR Camera with lenses	<p>High image quality with 32.5 Megapixel CMOS (APS-C) sensor;High-speed continuous shooting of up to 10 fps</p> <p>4K UHD 30P/ Full HD 120P video</p> <p>45-Point All Cross-type AF System* supports up to 27 points with an F/8 metering</p> <p>Equipped with an approx. 220, 000 Pixel new AE sensor and EOS iTR AF (face detection); Country of Origin: Japan</p> <p>Hardware Interface: Secure Digital; Compatible Mountings: Canon Ef; Photo Sensor Technology: Size:[Unit:Frames Per Second, Value:Aps-C], Technology:[Value:Cmos</p>	Exact Spec
32	Olympus 8x40 DPSI Binoculars (8 x 40 mm)	<p>8x magnification</p> <p>Uv protection to protect eyes against the sun's harmful rays</p> <p>4m close focusing distance</p> <p>New rugged, high-quality finish with sure-grip rubber coating</p> <p>40mm objective lens diameter and 710g weight</p> <p>143m field of view at 1000m</p>	
33	Laminar Air Flow	Outer & Inner Fully SS fabrication, working area properly illuminated by diffused glare free fluorescent light & UV light having feather touch LCD Control panel; Consist of pre-filter of 10 micron & HEPA filter of 0.3 micron efficiency ; Duly balanced, dirrect drive motor blower unit; Inner dimension size:3' x2' x2'	digilab

34	Oil immersion digital microscope with 100X magnification Stereo microscope with camera attachment	Brand: OMAX OMAX-M83EZ-C50U 40X – 2500X high quality 5 MP digital camera (for capturing images, recording live videos, measuring lengths, angles and area) Double layer mechanical stage	Exact Spec
35	Bacterial incubator mini	Material of Construction: Interior cabinet- SS 304 & Exterior cabinet: MS powder coated. Insulation: Double walled construction with 70mm thick 'PUF' insulation provided in between the walls to prevent loss of heat. Display Control: Microprocessor based PID control of by using PT100 Sensor. Temperature range: 5 °C to 60 °C, Accuracy: ± 1.0°C Shaking Platform Size: For conical flask SS Platform size with 425 x 425 mm. Additional Steel Rod Tray: For Petri dishes and small beakers, size with 425 x 425 mm. Exceptional Uniformity: Motorized blower at back side of the chamber develops unique Air flow system which ensures maximum uniform temperature. Safety thermostat: Safety Thermostat provided to cut off heater above 70 °C. Mains Power: Works on 230 V AC single phase 50Hz. Special Features Motor: Brushless 3 phase Induction Motor to operate 24 x 7 cycle. VFD Drive: VFD (Variable Frequency Drive) of 230 V; External Dimension mm: 650 x 650 x 1300; Internal Dimension mm: 500 x 500 x 500	Rivotek


Principal
Jhargram Raj College

Principal
Jhargram Raj College

NIT/415/24-25/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, Gol, 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


Principal
Jhargram Raj College

Principal
Jhargram Raj College

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 _____