

**INVITATION OF SEALED QUOTATIONS/TENDER FOR SUPPLY OF CHEMICALS,  
CONSUMABLES**

**Tender No.: ZOO/SKH/UGC-Start-up/17-18/02**

**Dated: 17/05/2017**

- Sealed quotations/tender offers are invited from eligible manufacturers/suppliers or their direct Indian agents for supply of following items listed below. Please send **best offers with proper discounts**.
- Sealed Envelope containing quotation should be super scribed as "**Quotation for Chemicals/ Reagents for UGC Funded Project**", may be submitted to: Dr. Sumit Kr. Hira, PI, UGC Project, Department of Zoology, The University of Burdwan Golapbag, Burdwan 713104 (W.B.), and India. **On or before 25<sup>th</sup> May, 2017, 4.00 P.M.**
- The validity of the bid should be at least two months (120 days) or more from the date of opening of this tender.

**IMPORTANT INSTRUCTIONS, TERMS AND CONDITIONS**

1. ALL PRICE SHOULD BE QUOTED IN INR ONLY
2. PRICE ARE TO BE QUOTED **INCLUSIVE ALL TAXES AND CHARGES**.
3. **QUOTATION WITH INCOMPLETE ITEMS WILL BE REJECTED.**
4. PRICE SHOULD BE QUOTED WITH UNIT PRICE AS WELL TOTAL PRICE WITH RESPECT TO QUANTITY FOR EACH SERIAL NUMBER AND CUMULATIVE TOTAL (INCLUSIVE OF ALL TAXES)
5. **ONLY AUTHORIZED FIRM OR VENDOR SHOULD QUOTE ON BEHALF OF YOUR PRINCIPALS/MANUFACTURER, PLEASE ENCLOSE A COPY OF SUCH AUTHORISATION WITH YOUR QUOTATION. QUOTATIONS WITHOUT VALID AUTHORIZATION LETTER WILL BE REJECTED.**
6. **ALL ENVELOPES CONTAINING THE QUOTATIONS SHOULD BE PROPERLY SEALED**
7. LATE TENDERS I.E. TENDER RECEIVED AFTER THE DUE DATE AND TIME OF SUBMISSION AS MENTIONED ABOVE SHALL NOT BE ACCEPTED.
8. **ITEMS WILL BE DELIVERED WITHIN 30 DAYS AFTER PLACING THE FORMAL ORDER**, FAILING WHICH THE ORDERS SHALL STAND CANCELLED AND ORDERS AUTOMATICALLY PROCEEDS FOR THE L2.

**Sigma Aldrich Manufactured or commissioned Chemicals / Consumables**

<b>Code</b>	<b>Item</b>	<b>Quantity</b>
GE10600022	Western blotting membranes, PVDF	One Role
CPS1120-1KT	Chemiluminescent Peroxidase Substrate-1	One Kit
G5637-5G	Giemsa stain	5 G

*Sumit Kr. Hira*  
Dr. Sumit Kr. Hira  
Principal Investigator  
UGC Project No. 141/2015(BSR)  
Dept. of Zoology  
BURDWAN UNIVERSITY

# **THE UNIVERSITY OF BURDWAN**

## **DEPARTMENT OF ZOOLOGY**

### **INVITATION OF SEALED QUOTATIONS/TENDER FOR SUPPLY OF EQUIPMENT**

**Tender No.: ZOO/SKH/UGC-Start-up/17-18/01**

**Dated: 17/05/2017**

- Sealed quotations/tender offers are invited from eligible manufacturers/suppliers for supply of following items listed below under the **UGC-Start-up** Research Project sanctioned to Dr. Sumit Kr. Hira, Principal Investigator, Department of Zoology, The University of Burdwan.
- Please send **best offers with proper discounts**, ALONG WITH DESCRIPTIVE CATALOGUE/ BROCHURE.
- The validity of the bid should be at least four months (120 days) or more from the date of opening of this tender.
- Please note the following important dates:
  - 1. Last Date and Time for submitting the quotations: 25<sup>th</sup> May 2017, 4.00 PM**
  - 2. Time and Date of Opening of quotations: Notified later**
  - 3. Place of Opening tender offers: Department of Zoology, University of Burdwan, Burdwan 713104**

Tender documents should be submitted to the following address:

**Dr. Sumit Kr. Hira**  
**Principal Investigator, UGC-Startup Project**  
**Department of Zoology**  
**The University of Burdwan**  
**Golapbag, Burdwan 713104 (W.B.), India**

## Terms & Conditions

1. PRICES ARE TO BE QUOTED ON "FOR" DESTINATION (up to the University of Burdwan) BASIS AND ALSO INCLUDING AGENCY COMMISSION PAYABLE TO YOUR INDIAN AGENTS, IF ANY SHOWING CLEARLY THE FOLLOWING BREAK UP:-
  - a. Ex-Works Price
  - b. Packing & Forwarding
  - c. Freight
  - d. Any other relevant expenses.
  - e. Taxes payable by the Institute
  - f. Agency Commission
  - g. Insurance of the equipment (up to the University of Burdwan)
2. INDIAN AGENT'S ADDRESS PLEASE ENCLOSE COPY OF AGENCY AGREEMENT ENTERED INTO WITH YOUR PRINCIPALS INDICATING THE NATURE OF AFTER SALES SERVICES OF INDIAN AGENTS, PRECISE RELATIONSHIP & MUTUAL INTEREST IN THE BUSINESS.
3. YOUR BANKER'S ADDRESS.
4. WHETHER ANY EXPORT LICENCE IS REQUIRED FROM YOUR GOVERNMENT, IF SO, PLEASE CONFIRM WITH DETAILS.
- 5. IN CASE PRICE QUOTED IN INR, PRICE ARE TO BE QUOTED CATEGORY WISE & ITEM WISE INCLUSIVE ALL TAXES AND CHARGES.**
- 6. PAYMENT TERMS WILL BE 100% after satisfactory installation through WIRE Transfer.**
- 7. TECHNICAL CATALOGUE/LEAFLET SHOULD BE ENCLOSED WITHOUT FAIL.**
8. PLEASE CONFIRM WHETHER YOU ARE AUTHORISED TO QUOTE ON BEHALF OF YOUR PRINCIPALS AND IF SO, PLEASE ENCLOSE A COPY OF SUCH AUTHORISATION WITH YOUR QUOTATION.
9. COUNTRY OF ORIGIN OF THE GOODS IS TO BE MENTIONED.
- 10. BANK CHARGES ON LC (OUTSIDE INDIA) SHALL BE TO YOUR ACCOUNT**
- 11. THE ORGANIZATION SHALL PROVIDE THE CUSTOMS DUTY EXEMPTION CERTIFICATE ONLY IF QUOTED IN FOREIGN CURRENCY.**
- 12. ALL ENVELOPES CONTAINING THE TENDER SHOULD BE PROPERLY SEALED. SEPARATE ENVELOPES SHOULD BE USED FOR EACH ITEM, MAY PLEASE BE SUPERSCRIBED ON THE ENVELOPE.**
13. PERIOD OF VALIDITY: BIDS SHALL REMAIN VALID FOR ACCEPTANCE FOR A PERIOD OF 120 DAYS FROM THE DATE OF OPENING.
14. LATE TENDERS I.E. TENDER RECEIVED AFTER THE DUE DATE AND TIME OF SUBMISSION AS MENTIONED ABOVE SHALL NOT BE ACCEPTED.
15. BIDDERS TO ENCLOSE THE FOLLOWING DOCUMENTS:-
  - a. CURRENT INCOME TAX AND SALES TAX CLEARANCE CERTIFICATES AND PAN NO.
  - b. CUSTOMER SATISFACTION CERTIFICATE FROM ONE SUCH ORGANIZATION IS TO BE ATTACHED WITH THE TECHNICAL BID AND PRICE BID
  - c. USERS LIST
16. WARRANTY / GUARANTEE: THE WARRANTY / GUARANTEE SHALL REMAIN VALID FOR 12 MONTHS AFTER THE GOODS HAVE BEEN COMMISSIONED AT THE FINAL DESTINATION AS INDICATED ABOVE.
17. The best combination among the mentioned specifications will be considered based on the available fund for final consideration.
- 18. IF SINGLE MANUFACTURERS/SUPPLIERS QUOTE MORE THAN ONE ITEM, PLEASE USE SEPARATE ENVELOPE FOR EACH ITEM WITHOUT FAIL.**

## SPECIFICATION

*PLEASE SPECIFICALLY INDICATE THE FOLLOWING POINTS IN YOUR QUOTATIONS AND COMPLY THE TERMS AS MENTIONED HEREUNDER*

Item	Specification	Quantity
<b>1. Analytical Digital Balance</b>	<ul style="list-style-type: none"> <li>• Maximum Capacity 0 to 220g</li> <li>• Readability: 0.1 mg (0.0001 gm.)</li> <li>• Repeatability : 0.0001gm</li> <li>• Linearity: ± 0.0002 gm.</li> <li>• Weighing Pan Size : 90 mm</li> <li>• Fully Automatic Internal Calibration</li> <li>• Tare Facility: 0.....220 gm. (Full)</li> <li>• Power Supply : 220 Volt, 50 Hz/ Battery</li> <li>• Display : Brilliant Backlit Display</li> <li>• RS232C Interface for Printer/ Computer is built in as standard</li> <li>• Overload Protection</li> <li>• Piece Counting, Easy Access Door System.</li> <li>• Percent Weighing</li> <li>• Dynamic Weighing</li> </ul>	One
<b>2. Vertical Autoclave</b>	<ul style="list-style-type: none"> <li>• Sturdy double wall construction with boiler made of Stainless Steel 16 gauge sheet.</li> <li>• Outer shell is also made of Mild Steel.</li> <li>• Boiler and outer shell is provided with air insulation.</li> <li>• Lid is made of Stainless Steel Sheet and tightened around by <b>radial locking</b>.</li> <li>• Joint less gaskets are made of Neoprene rubber.</li> <li>• <b>Pressure regulator and pressure can be set between 10 to 20 PSI</b></li> <li>• Water level indicator</li> <li>• automatically cut-off when the autoclave is dry</li> <li>• Capacity 80 liters or more</li> </ul>	One
<b>3. Serological water bath (14 or 18 Ltrs)</b>	<ul style="list-style-type: none"> <li>• Double walled convection heated units, Outer body PCRC steel sheet, inside chamber stainless steel sheet of grade ss-304</li> <li>• Front panel with on/off switches heating and mains indicator lamps and temperature controller.</li> <li>• PID based temperature controller</li> <li>• Temperature range are 5°c above ambient to 90°c.</li> <li>• Temperature inside our water bath is controlled with a sensitivity of + 0.5°c or better.</li> <li>• Temperature Display: LED/LCD</li> </ul>	One
<b>4. Digital magnetic stirrer &amp; Hotplate</b>	<ul style="list-style-type: none"> <li>• Top Plate: 18 x 18 cm, Ceramic</li> <li>• Temp Range: 50°C-500°C</li> </ul>	

	<ul style="list-style-type: none"> <li>• Max Load: 11Kg</li> <li>• Speed Range: 100 -1200rpm</li> <li>• Max Capacity: 5 Ltr</li> </ul>	
<b>5. Micro centrifuge</b>	<ul style="list-style-type: none"> <li>• Max. RPM/RCF: 15000 / 15,596 x g</li> <li>• Rotor Capacity: 12 place closed rotor with metal safety lid</li> <li>• Display: Large Backlit LCD display</li> <li>• Imbalance detection: Imbalance Detection with auto cut - off</li> <li>• Noise Level: &lt; 60 dB</li> <li>• Motor Type: (BLDC) Brushless DC motor</li> <li>• Timer setting: 1 to 999 mins</li> <li>• Speed / Time setting: 500 to 15000 RPM / Min-Sec timer</li> <li>• Rotors and Adaptors: 12 place x 1.5/2.0 ml micro tubes, Reduction Adaptors for 0.2 ml micro tubes, Reduction Adaptors for 0.4/0.5 ml micro tubes, PCR Strip Rotor (2 x 8 x 0.2 ml with metal safety lid)</li> </ul>	
<b>6. Dry Bath</b>	<ul style="list-style-type: none"> <li>• Dry Bath with transparent lid</li> <li>• Dimension of Blocks : 150x95 mm (approx.)</li> <li>• Heating Temperature Range : 5 to 120°C</li> <li>• Control Accuracy : ± 0.5°C</li> <li>• Time Setting Range : 1- 99h 59min</li> <li>• Heating Block for 1.5/2.0 ml</li> <li>• Heating Block for 0.5 ml</li> </ul>	
<b>7. µ Controller Based pH system with Electrode &amp; Temp. Probe</b>	<ul style="list-style-type: none"> <li>• Micro controller based</li> <li>• 2/3 point calibration for pH</li> <li>• pH Range : 0 – 14</li> <li>• 0.01 pH Resolution</li> <li>• mV Range : 0 - +1999</li> <li>• 1 mV Resolution</li> <li>• Temperature compensation : Auto / Manual</li> <li>• <b>Accessories:</b> Combination pH Electrode, Temperature Probe, pH Electrode Stand, Buffer Tablets, Operation Manual and Dust Cover.</li> </ul>	
<b>8. CO<sub>2</sub> Cylinder &amp; Double stage regulator</b>	<ul style="list-style-type: none"> <li>• Carbon Steel made up CO<sub>2</sub> cylinder with 47 Ltrs. Water Capacity. Cylinder filled with Carbon Dioxide Gas, Purity: 99.5%, Pressure - 51 Kg/cm<sup>2</sup>, Volume - 30Kg</li> <li>• Double Stage SS Regulator for CO<sub>2</sub> Gas Service</li> <li>• Inlet Pressure Gauge: 0 to 150 Kg/Cm<sup>2</sup>.</li> <li>• Outlet Pressure Gauge: 0 to 2.1Kg/cm<sup>2</sup>.</li> <li>• Inlet Connection : CO<sub>2</sub></li> <li>• Outlet connection : 3/8" BSP x 6 mm Hose</li> </ul>	One Each

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