

**Tender for the supply of the listed items  
at usual terms and condition of payments in Government Offices**

**Tender No.** Equip/Dept. of Geography/2014-15/01

**Date:** 05.12.2014

**TENDER NOTICE**

**Last date of submission: 13.12.2014 up to 3.00 P.M.**

Tender in sealed cover addressed to: "The Head, Department of Geography, Presidency University, Kolkata-700073" are invited for the supply of the listed items from the reputed manufacturers, authorized dealer including enlisted supplier (if eligible). The quotations should be clearly indicating the quality, name of manufacturer, quantity and price for each item and discount offered. The University reserves the right to accept or reject any tender in part or full without assigning any reason. Quotations should be accompanied with photocopies of VAT registration certificate. Tender fee (Rs.500/-) to be paid by Demand Draft drawn in favor of Presidency University, payable at Kolkata along with the tender. **Quotations should be accompanied with the duly filled up Application Form (Annexure – I)**

**Quotations / tenders opening date: 15.12.2014 at 4.00 P.M**

| Name of the article        | Specifications   |
|----------------------------|--|
| 1. ELECTRICAL OVEN:        | <ul style="list-style-type: none"> <li>• Inner stainless steel &amp; outer mild steel</li> <li>• Digital temperature controller with blower</li> </ul>   |
| 2. CENTRIFUGE MACHINE :    | <ul style="list-style-type: none"> <li>• Maximum r.p.m 5250.</li> <li>• Electric supply- 220-240 volts.50 Hz single phase,</li> <li>• Digital Speed indicator</li> <li>• Step less speed regulator</li> <li>• 0 – 60 minutes digital countdown timer (R – 8C)</li> <li>• Roter head bore 16×15 ml tube</li> </ul>              |
| 3. MUFFLE FURNACE :        | <ul style="list-style-type: none"> <li>• Temperature – up to 1200°c with digital controller</li> </ul>   |
| 4. MECHANICAL SHAKER:      | <ul style="list-style-type: none"> <li>• Horizontal type</li> <li>• REMI Brand</li> </ul>  |
| 5. PH METER:               | <ul style="list-style-type: none"> <li>• Digital</li> <li>• Fixed angle roter</li> <li>• Equiptronics with combined electro range</li> </ul>   |
| 6. WEIGNING BALANCE:       | <ul style="list-style-type: none"> <li>• Make stainless steel</li> <li>• Digital external calibration</li> <li>• LCD display</li> <li>• Sensitivity – 0.001 gm</li> <li>• Pan Size – 28 ×128 gm</li> <li>• Capacity – 200 gm</li> </ul>  |
| 7. MOBILIZED SIEVE SHAKER: | <ul style="list-style-type: none"> <li>• ¼ h.p. Motor CROMPTON for 220/230V A.C. supply</li> <li>• Timer 0-60minutes is provided in the circuit</li> <li>• Rotation of sieve stage 12 per minute</li> <li>• Simultaneous tapping 500per minute</li> <li>• Oil bath for machine parts</li> <li>• Oil level indicator</li> </ul> |
| 8: FULL SET WIRE MESS:     | <ul style="list-style-type: none"> <li>• Complete set</li> </ul>   |

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|   | <ul style="list-style-type: none"> <li>Jointless brass frame (200mm in diameter)</li> </ul>  |
| 9. WATERPROOF MULTI-PARAMETER HANDHELD METER: | DO Range At least 0 to 20.00 mg/L or ppm or better<br>Resolution & Accuracy 0.1 mg/L or ppm / 0.1% ; $\pm 0.2$ mg/L / $\pm 0.2$ %<br>Salinity At least 0 to 40.00 ppt or better<br>Resolution & Accuracy 0.0 to 50.0ppt & 0.1 ppt<br>Conductivity Range At least 0 to 100 mS or better<br>Resolution & Accuracy $\pm 1$ % FS + 1 LSD<br>Temperature Coefficient Auto<br>TDS Range At least 0 to 100.0 ppt or better<br>Resolution & Accuracy $\pm 1$ % FS +1 LSD<br>Salinity Range At least 0 to 40 ppt or better<br>Resolution & Accuracy 0.05% FS & $\pm 2$ % FS +1 LSD<br>Temperature Range 0 to 100.0 °C or better<br>Resolution & Accuracy $\pm 0.5$ °C/ $\pm 0.9$ °F<br>Temperature Compensation Automatic / Manual (0 to 100 °C)  |
| 10. RIFFLER OR SAMPLE DIVIDER                 | <ul style="list-style-type: none"> <li>Made of GI Sheet</li> <li>Mounted on rigid steel frame</li> <li>Three pans</li> <li>One Scoop</li> <li>Standard Chute size of 18mm</li> </ul>   |
| 12. MANUAL WALL WINCH MACHINE                 | <ul style="list-style-type: none"> <li>Mounting arrangement</li> <li>Weight &lt;15 kg</li> <li>20 m cable</li> </ul>   |
| 11. DIGITAL SOUND LEVEL METER                 | Display 18mm (0.7") LCD (Liquid Crystal Display), 3 1/2 digits.<br>Function dB (A & C frequency weighting), Time weighting(Fast, Slow), Max. hold,<br>Measurement Range 3 ranges, 30 to 130 dB, input signal only.<br>Resolution 0.1 dB.<br>Accuracy (23 $\pm$ 5 °C) Frequency weighting meet IEC 651 type 2, calibrating input signal on 94 dB(31.5 Hz to 8 kHz), then the accuracy of A weighting is specified as following:<br>31.5 Hz - $\pm 3$ dB, 63 Hz - $\pm 2$ dB, 125 Hz - $\pm 1.5$ dB<br>250 Hz - $\pm 1.5$ dB, 500 Hz - $\pm 1.5$ dB, 1 kHz - $\pm 1.5$ dB<br>2 kHz - $\pm 2$ dB, 4 kHz - $\pm 3$ dB, 8 kHz - $\pm 5$ dB<br>Characteristics of A & C.<br>Frequency Weighting Network A weighting - The characteristic is simulated as "Human Ear Listing" response. Typical, if making the environmental sound level measurement, always select to A weighting.<br>C weighting - The characteristic is near the "FLAT" response. Typical, it is suitable for checking the noise of machinery (Q.C. check) & knowing the sound pressure level of the tested equipment<br>Frequency 31.5 Hz to 8,000 Hz.<br>Calibrator B & K (Bruel & kjaer) multi-fuction acoustic calibrator, model: 4226.<br>Microphone Electric condenser microphone.<br>Size of microphone 1/2 inch standard size.<br>Range selector 30 to 80 dB, 50 to 100 dB, 80 to 130 dB, 50 dB on each step, with over & under range indication.<br>Time weighting (Fast & Slow) Fast - t= 200 ms, Slow - t = 500 ms,<br>* "Fast" range is simulated the human ear response time weighting. "Slow" range is easy to get the average values of vibration<br>Calibration * Build in external calibration VR, easy to calibrate by external screw driver.<br>* Internal oscillation system, 1 KHz sine wave generator.<br>Output Signal AC output - AC 0.5 Vrms corresponding to each range step.<br>DC output - DC 0.3 to 1.3 VDC, 10 mV per dB |

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| Out terminal         | 3.5 phone output terminals to be provided for connection with analyzer, level recorder, tape recorder.                                    |
| Operating Temp.      | 0 °C to 50 °C (32 °F to 122 °F ).   |
| Operating Humidity   | Less than 80% RH  |
| Power Supply         | 006P DC 9V battery (heavy duty type).   |
| Power Consumption    | Approx. DC 6mA.   |
| Dimension            | 205 x 80 x 35 mm (8.1 x 3.2 x 1.4 inch).  |
| Weight               | 280 g/0.62 LB (including battery).  |
| Standard Accessories | Instruction Manual  |
| Optional Accessories | 94 dB <sup>1</sup> Sound Calibrator, Model: SC-941.<br>94 dB/114 dB Sound Calibrator, Model: SC-942.<br>Hard carrying case, Model: CA-06. |

## ANNEXURE - I

### APPLICATION FORM

**FORMAT TO BE FILLED BY THE MANUFACTURERS OR THEIR AUTHORIZED COUNTRY DISTRIBUTORS/ REPRESENTING DEALERS/ REGIONAL AGENCIES, COMPETENT DEALERS SUBMITTING QUOTATION FOR SUPPLY OF LABORATORY EQUIPMENTS FOR DEPARTMENT OF GEOGRAPHY, PRESIDENCY UNIVERSITY, KOLKATA**

1. Name of the Quoter :
2. Status of the Quoter :  
(attach documents, if registered  
company/partnership/propriety ship)
3. Address (Head Office / Registered Office) :  
with Phone No. and e-mail id :
4. Present Address with Phone No. and e-mail id:
5. Whether OEM/representing foreign principle /  
authorized dealer / authorized distributor :  
(attach copy of certificate of authorization  
from OEM)
6. Name of Proprietor / Managing partner/  
Managing Director / authorized signatory :  
(attach details)
7. Details of tie-ups for supply/services, if any :  
(attach details, agreements, escalation matrix)
8. Income Tax return / Clearance Certificate  
(latest) (attach attested copy) :
9. Name and address of at least three largest  
Customers with value of purchase order :  
(attach copies of documentary evidences)
10. Income Tax Permanent A/c No. (attach copy) :
11. VAT / CST Registration No. :  
(attach copy of the certificate)
13. Trade Licence / ROC Certificate No. :  
(attach copy of the certificates)
- 12. Details of Tender Fees Bank Draft No., issuing branch and date:**

**DECLARATION**

1. I, ----- Son /Daughter of Shri -----  
-----, Proprietor/Partner/CEO/MD/Director/ Authorized  
Signatory of M/s. ----- am competent to sign this  
declaration and execute this tender document.
2. I have carefully read and understood all the terms and conditions of the tender and hereby convey my acceptance of the same.
3. The information/ documents furnished along with the above application are true and authentic to the best of my knowledge and belief.
4. I/ we am / are well aware of the fact that furnishing of any false information/ fabricated document would lead to rejection of my tender at any stage besides liabilities towards prosecution under appropriate law.
5. Each page of the tender document and papers submitted by my Company is authenticated, sealed and signed, and I take full responsibility for the entire documents submitted.
6. I/ our firm / company am / is not currently debarred or blacklisted in PRESIDENCY UNIVERSITY, Kolkata or in any national organization or educational institute/university for any supplies, products or services,.

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Signature of the Authorized Person

Date : -----

Full Name \_\_\_\_\_

Place : -----

Designation with Seal