

ENQUIRY No. 38/2017/DST-PURSE-II/School of Bio Science & Engg – Equipment  
 Reqn. No.3336 DATED: 14.07.2017  
 (To be quoted in all Correspondences)  
 Tele/ Fax: 2414-6154



DST-PURSE- II  
**Central Project Section**  
 JADAVPUR UNIVERSITY  
**KOLKATA - 700032, INDIA**

Dated: 05/02/2018

Dear Sirs,

I shall be pleased to receive your lowest possible quotation in a SEALED COVER with our ENQUIRY NUMBER and the DUE DATE duly superscripted on the COVER and on the face of the offer letter for the supply of the under mentioned goods or articles, subjects to the TERMS AND CONDITIONS outlined in the below.

Last date for submission of quotation is **19/02/2018 at the Central Monitoring Cell, 2<sup>nd</sup> floor Aurobindo Bhavan**

SL No.	PARTICULARS	Quantity				
1.	<p>Approved the Technical Specifications of the following items for purchase under DST-PURSE-II</p> <table border="1"> <thead> <tr> <th>Sl. No.</th> <th>Equipment with Specifications</th> </tr> </thead> <tbody> <tr> <td>1</td> <td> <p><b>Anodizing Kit along with Electroless Coating unit</b></p> <ol style="list-style-type: none"> <li>Anodizing bath with running kit: 12 inch dia and 15 inch height, temperature controller (0-20°C) and resolution 0.1°C.</li> <li>Power supply for anodizing kit: 10-80 Vdc, 0-5 amps</li> <li>Electrode: Graphite</li> <li>Electroless Coating unit with running kit: Glass Borosil beaker, Induction Heater (30 to 100 °C) and resolution 0.01 °C/0.1 °C, magnetic stirrer (0-1000 rpm), PH meter (0-14)</li> <li>PC based ECG machine specifications</li> <li>12 Channel ECG recording</li> <li>Data Acquisition through PC/Laptop via USB/Bluetooth</li> <li>Comprehensive Analysis such as Vector ECG, Timed VCG, Signal Average Electrocardiogram, Heart Rate Turbulence (HRT), QT Interval Dispersion, High frequency ECG, Frequency Spectrum Cardiogram, etc.</li> <li>ECG data in Microsoft Excel format for offline data analysis</li> <li>A PC with Intel core i3 processor/3GB RAM/500 GB HDD and LED monitor</li> <li>ECG paste</li> <li>ECG electrodes</li> <li>Leads Mode: 12 standard leads</li> <li>Acquisition Mode: Simultaneous 12 leads acquisition</li> <li>Sampling Rate: 1000/sec/channel</li> <li>A/D Resolution: 24 bits</li> <li>Time Constant: ≥3.2s</li> <li>Frequency response: 0.05Hz-150Hz</li> <li>Gain: 2.5mm/mV, 5mm/mV, 10mm/mV, 20mm/mV</li> <li>Input Impedance: ≥50MΩ (10Hz)</li> <li>Input Circuit Current: ≤0.05μA</li> <li>Input Voltage Range: ≤5mVpp</li> <li>Calibration Voltage: 1mV±2%</li> <li>DC Offset Voltage: ±600mV</li> <li>Noise: ≤12.5μVp-p</li> <li>Filter: AC Filter: ON/OFF DFT Filter: weak/ strong</li> <li>LOWPASS Filter: 25Hz/ 35Hz/ 45Hz/ 75Hz/ 100Hz/ 150Hz</li> <li>CMRR: ECG Sampling box ≥ 110db</li> </ol> </td> </tr> </tbody> </table>	Sl. No.	Equipment with Specifications	1	<p><b>Anodizing Kit along with Electroless Coating unit</b></p> <ol style="list-style-type: none"> <li>Anodizing bath with running kit: 12 inch dia and 15 inch height, temperature controller (0-20°C) and resolution 0.1°C.</li> <li>Power supply for anodizing kit: 10-80 Vdc, 0-5 amps</li> <li>Electrode: Graphite</li> <li>Electroless Coating unit with running kit: Glass Borosil beaker, Induction Heater (30 to 100 °C) and resolution 0.01 °C/0.1 °C, magnetic stirrer (0-1000 rpm), PH meter (0-14)</li> <li>PC based ECG machine specifications</li> <li>12 Channel ECG recording</li> <li>Data Acquisition through PC/Laptop via USB/Bluetooth</li> <li>Comprehensive Analysis such as Vector ECG, Timed VCG, Signal Average Electrocardiogram, Heart Rate Turbulence (HRT), QT Interval Dispersion, High frequency ECG, Frequency Spectrum Cardiogram, etc.</li> <li>ECG data in Microsoft Excel format for offline data analysis</li> <li>A PC with Intel core i3 processor/3GB RAM/500 GB HDD and LED monitor</li> <li>ECG paste</li> <li>ECG electrodes</li> <li>Leads Mode: 12 standard leads</li> <li>Acquisition Mode: Simultaneous 12 leads acquisition</li> <li>Sampling Rate: 1000/sec/channel</li> <li>A/D Resolution: 24 bits</li> <li>Time Constant: ≥3.2s</li> <li>Frequency response: 0.05Hz-150Hz</li> <li>Gain: 2.5mm/mV, 5mm/mV, 10mm/mV, 20mm/mV</li> <li>Input Impedance: ≥50MΩ (10Hz)</li> <li>Input Circuit Current: ≤0.05μA</li> <li>Input Voltage Range: ≤5mVpp</li> <li>Calibration Voltage: 1mV±2%</li> <li>DC Offset Voltage: ±600mV</li> <li>Noise: ≤12.5μVp-p</li> <li>Filter: AC Filter: ON/OFF DFT Filter: weak/ strong</li> <li>LOWPASS Filter: 25Hz/ 35Hz/ 45Hz/ 75Hz/ 100Hz/ 150Hz</li> <li>CMRR: ECG Sampling box ≥ 110db</li> </ol>	01 Unit
Sl. No.	Equipment with Specifications					
1	<p><b>Anodizing Kit along with Electroless Coating unit</b></p> <ol style="list-style-type: none"> <li>Anodizing bath with running kit: 12 inch dia and 15 inch height, temperature controller (0-20°C) and resolution 0.1°C.</li> <li>Power supply for anodizing kit: 10-80 Vdc, 0-5 amps</li> <li>Electrode: Graphite</li> <li>Electroless Coating unit with running kit: Glass Borosil beaker, Induction Heater (30 to 100 °C) and resolution 0.01 °C/0.1 °C, magnetic stirrer (0-1000 rpm), PH meter (0-14)</li> <li>PC based ECG machine specifications</li> <li>12 Channel ECG recording</li> <li>Data Acquisition through PC/Laptop via USB/Bluetooth</li> <li>Comprehensive Analysis such as Vector ECG, Timed VCG, Signal Average Electrocardiogram, Heart Rate Turbulence (HRT), QT Interval Dispersion, High frequency ECG, Frequency Spectrum Cardiogram, etc.</li> <li>ECG data in Microsoft Excel format for offline data analysis</li> <li>A PC with Intel core i3 processor/3GB RAM/500 GB HDD and LED monitor</li> <li>ECG paste</li> <li>ECG electrodes</li> <li>Leads Mode: 12 standard leads</li> <li>Acquisition Mode: Simultaneous 12 leads acquisition</li> <li>Sampling Rate: 1000/sec/channel</li> <li>A/D Resolution: 24 bits</li> <li>Time Constant: ≥3.2s</li> <li>Frequency response: 0.05Hz-150Hz</li> <li>Gain: 2.5mm/mV, 5mm/mV, 10mm/mV, 20mm/mV</li> <li>Input Impedance: ≥50MΩ (10Hz)</li> <li>Input Circuit Current: ≤0.05μA</li> <li>Input Voltage Range: ≤5mVpp</li> <li>Calibration Voltage: 1mV±2%</li> <li>DC Offset Voltage: ±600mV</li> <li>Noise: ≤12.5μVp-p</li> <li>Filter: AC Filter: ON/OFF DFT Filter: weak/ strong</li> <li>LOWPASS Filter: 25Hz/ 35Hz/ 45Hz/ 75Hz/ 100Hz/ 150Hz</li> <li>CMRR: ECG Sampling box ≥ 110db</li> </ol>					

**N.B:-**

- **Quotation shall be accepted only from GST registered Vendor/Dealer/Manufactures etc. The GST registration number must be mentioned on the quotation.**
- Sealed envelope containing detail specification of material with price bid shall be submitted in the tender assigned for the tender in Central Monitoring Cell, (Main Building), 2nd floor, Kolkata -700032.
- Warranty must be mentioned in your offer on the above items.
- GST percent must be mentioned on the above items.
- **The last date of submission of tender is 19<sup>TH</sup> 'February' 2017 within 16:00 p.m.** at the Central Monitoring Cell, (Main Building), 2nd floor, Kolkata -700032
- University reserves the right of selection.

Party may be requested to keep in touch with the Director; Dr. Piyali Basak/School of Bio Science & Engg. J.U. before quoting the rate for better technical knowledge of specification & quality of material.

Yours faithfully,

  
**FINANCE OFFICER**

**TERMS & CONDITIONS OF TENDER**

1. Quotation should be for FREE DELIVERY at Jadavpur unless otherwise arranged.
2. Prices quoted should be nett and minimum period of validity of the quotation SHOULD BE FOR SIX MONTHS from the closing date.
3. Quotations should be free from CORRECTIONS and ERASURES.
4. Manufacturer's NAME and the COUNTRY OF ORIGIN of the materials offered must be clearly specified failing which the Tender will not be considered.
5. Samples must be submitted where specified so as to reach this office before the DUE DATE of Enquiry. Samples must be labeled clearly with our ENQUIRY NUMBER, DUE DATE, NAME OF FIRM and number on sample must correspond to the items in the tender.
6. The tenders will not be entitled to ask for any further information other than whether their tenders have been received or not.
7. The University does not bind itself to accept the lowest or any tender or assign any reason for non-acceptance. It further reserves the right to accept any tender in part or in whole at its option.
8. If the University finds that the materials supplied are not of the contract quality or not according to the specification required by the University or otherwise not satisfactory owing to any reason, of which the University shall be the sole judge, the University shall be entitled to refuse the acceptance of the said materials, cancel the order and buy its requirement elsewhere at supplier's responsibility.
9. Tenderers must as far as possible, arrange to supply the materials according to the terms of delivery specified in the orders. If however this is not possible, they shall clearly specify the time in which the delivery of the articles can be affected. This delivery time must be strictly adhered to. Failure to supply within the specified time will lead to cancellation of the order without notice.
10. If the deliveries are not regular and if on that account the University is forced to buy the materials elsewhere, any loss or damage that the University may sustain thereby will be recovered from the supplier for non-delivery at the scheduled periods.
11. THREE consecutive failure to supply within the scheduled time or times will entail removal of the Tenderer's name from the Approved List of Suppliers.
12. If any tenderer proposes to charge GST & Delivery Charges, in addition to his quoted rates this fact should be stated specifically in his quotation. In the absence of such statement the rate quoted will be deemed to be inclusive of Sales Tax & Delivery charges.
13. Non Compliance of a order may lead to cancellation of estimate and no enquiry will be issued in future.
14. Upto 10% of bill value may be deducted for default on delivery.
15. IN ALL CASES OF DISPUTES, THE DECISION OF THE UNIVERSITY SHALL BE FINAL & BINDING ON YOU.
16. GST registration is required.

BY ORDER