Annexure-C

Reference No. Wide Circulation through AMU website

Co-ordinator, DRS-I
DEPARTMENT OF ILMUL ADVIA
Ajmal Khan Tibbiya College & Hospital
Aligarh Muslim University
ALIGARH-202002 (INDIA)

M/S ........................................
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Dated: 10-04-2013

Dear Sir,
Sealed quotations / Tenders are invited for the following articles on the terms and conditions printed overleaf.

Quotations should reach this office on 22-04-2013 by 03:00 p.m.

<table>
<thead>
<tr>
<th>S.No</th>
<th>Qty</th>
<th>Particulars / Specification</th>
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<tbody>
<tr>
<td>1.</td>
<td>01</td>
<td><strong>Fully Automatic Langendorff system</strong></td>
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- Fully automated, compact profile system with constantly oxygenated and temperature controlled unit that includes two perfusate chambers, heart chamber, heated junction block and a thermostat controller. It should allow switching between constant flow and constant pressure using a push button switch. It should allow heart perfusion from Rat, mouse and guinea pig hearts.
- The pump controller should control the peristaltic pump by providing an analog output corresponding to calibrated flow rates. And provides pressure/flow feedback system to the peristaltic pump.
- The system should work on Constant flow and constant pressure modes. A simple switch should allow switching between both the modes.
- It should not have any elevated reservoirs to maintain the pressure Instead it should have a peristaltic pump along with using a pump controller to be connected with the software.

**Parameters measured:**
- Coronary Vessel Function, Left Ventricular pressure/ Developed Pressure/systolic and diastolic pressures, Left Ventricular dP/dt maximum and minimum, perfusate temperature, perfusion pressure, perfusion flow, Cardiac electrical activity and Mono-phasic action potentials, coronary flow and Heart rate.
- A high-speed USB based Eight Channel DAS with Max sampling speed 400 KHz, ADC 16 Bits. Along with Analysis Software that tabulates the results automatically or manually, generate instantaneous Hill curves, displays single or multiple dose response curves, calculates EC50 and Hill slopes. Along with HRV, ECG, PEAK Analysis.
- It should allow 32 channels of real time analyses along with user to export in file formats like Binary, Axon, IGOR, MATLAB, Excel, Graph Pad Prism, QuickTime, Wav, Text etc.
- The system should have independent stimulator outputs with output resolution of 16 bits and Software provides Pulse, Step, Ramp, wave etc. waveforms stimulus generating options. Have an option for Electrical pacing of Isolated Heart.
- The Software controlled amplifier should support software automatic zeroing of the offset. It should allow simple two point calibration and multi point calibration for highly accurate studies. To be supplied with compatible pressure transducers. Latex Balloon along with LVP Catheter.
- The Software controlled, high impedance differential Bio-Amplifier with a range of: 5 μV to: 100 mV along with compatible crocodile and spring clip electrodes.
- Software selectable High pass filters: 0.1, 0.3, 1.3 & 10 Hz along with user define digital filters.
- Software controlled temperature preamplifier along and T-Type Thermocouple with an operating range: -273 to 150 °C & accuracy of ±0.1 °C for monitor perfusate temperature.
- The software should have a free update & upgrades for a period of 5yrs.
- Free file sharing facility with distinct user free of cost.
- Manufacturer must be ISO 9001:2008 or latest certified company & comply with safety standards.
- System should carry at least 1 years Manufacturer's warranty and local designated service providers must be available in Delhi and/or any city in India for immediate service and to rectify any troubleshooting of equipment (include hardware and/or software).
- Good quality and imported & with warranty.
TERMS AND CONDITIONS

1. Goods are required to dispatch F.O.R. Aligarh, Ex-godown at the side of the passenger Train/Goods/Parcel etc.

2. Goods will be supplied in the name of the Co-ordinator, DRS-I, Department of Ilmul Advia, A.K. Tibbiya College, Aligarh Muslim University, Aligarh.

3. The department has the right to accept the rates of some of all the articles required.

4. The department reserves their right to reject any of all the quotations without assigning any reason or to allot full or part of the supply to one or more firms.

5. Payment will be made against bill.

6. In case goods are not according to specification the cost of returning them shall be borne by the supplier.

7. The goods have to be supplied within 15 days/months.

8. The period of validity of the rates offered may be specified.

9. The quotations containing uncalled for the remarks are likely to rejection.

10. The firm registered with the Sales-Tax-Authority should mention Sales Tax Registration No. whatever applicable.

11. The discounts/rebates admissible if any, may be quoted.

12. The rates of Sales Tax including surcharges along with concession admissible to Educational Institution may be specified.

13. Other accidental charges such as packing forwarding and Insurance etc. may be indicated clearly.

14. In case of out station supplied the documents be sent through the bank.