



NATIONAL INSTITUTE OF UNANI MEDICINE

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(Procurement of Hospital Equipment)

To,

Subject: Invitation of re- quotation for supply of Instruments/ Items for Ilmul Advia: – reg.

Sir,

With reference to the subject mentioned above, Quotations are invited from reputed registered dealers for the supply of Hospital items as detailed below.

Sl. No	Name of the Items	Specification /Make	Quantity Required.	Amount (₹)	Total GST Amount (₹)	Grant Total (₹)
01	Digital Muffle Furnace Max. Temperature - 1400 °c	Max. Temperature -1400 °c Heating Element- Molybdenum Silicide (MoSi2) Power supply- 220/440Volt Temperature controller- PID controller Temperature accuracy= +/- 1 °c (+/- 1.8 °F) Display - LED/LCD Display Stabilizer – As standard Accessories: 1-Provision for printer 2- Data longer 3- Safety switch on door 4-Temperature chart recorder 5-Extra port gas- Extra heating element & rod with clips 6-Extra thermocouple 7-Tongs 8-Gloves	02 No's			
02	Tissue organ bath system	Chamber Chamber size(s): 10, 20 or 50 ml Chamber material: Glass Chamber heating: Heated air-circulation (built-in – patent pending) Temp. range: ambient to<50°C Temp. resolution: 0.1°C Temp. stability: ± 0.1°C Chamber suction: Manual or automatic via software Chamber aeration: Individually via precision needle valve(s) Chamber filling: Manual/automatic via software Dimensions (w.d.h): 55 x 50 x 50 cm Transducer Force range: ± 200 mN to ± 1600 mN (user selectable) Output resolution: 0.1 mN (using filtered signal) Transducer calibration: Semi-automatic (via software) GLP and Maintenance: All parts in contact with experimental agents can be replaced in Reservoir Reservoir volume: 4 x 900 ml	01 No			

		<p>Reservoir heating: Electronically (built-in) Safety valve: 10 bar Temp. range: <50°C Temp. resolution: 0.1°C Temp. stability: ± 0.2°C Connectivity Analogue output(s): 4 x BNC / 2.5V FS (filtered signal) or 4 x BNC / raw output Data communication: USB (2.0) Voltage: 100 to 240 VAC (AUTO) 50/60Hz Inlet pressure (regulated): Min. 2.0 bar – max 8.0 bar (internally) Air/gas: One inlet connector on the back Vacuum: One outlet on the back</p>				
03	Grip strength meter	<p>Commands : via soft-buttons Read-out : multifunction graphic display Starting: via keys on the Controller front panel Force Ranges :0-100gf, 0-500gf, 0-1500gf Force Increasing Rate: monitored via the Rate-Meter or via the slope function on the PC Force Response: in 0.1gf steps Latency Time: in 0.1s steps Connection to PC:via USB cable (A to mini-B) and GSM software Power Requirement: either battery operated, or via USB cable connected to PC or universal converter (85-264 VAC, 50-60Hz) Operating Temperature: 10° to 40° C Sound Level : Negligible Pollution Degree : ≤ 2 Computer simulated CDs for animal experiment Animal simulator with software Expharm pro+Excology pro</p>	01 No			
04	Portable NIBP monitor for animals	<p>Measures photo-plethysmographically pulsatile blood pressure of tail arteries. 2. Measure HR, SBP, MBP and DBP, which should be displayed on LCD. 3. HR is determined by converting the time to count 10pulses. 4. Cuff pressure should be elevated up to 400mmHg so that even Spontaneously Hypertensive Stroke Prone (SHRSP) rats can be determined. 5. Continuous measurement should be done up to 6 times 6. Preheat and measuring box should be provided along with the Standard system 7. Apparatus should be compact A4 size 8. Simple operation provided with interface, Data collection software (windows version) and Printer 9. Animal holders which are brown acrylic material and Cuff pulse sensor should be provided with the standard system.</p>	01 No			
05	Pressure analgesiometer	<p>1. Simple operation for Measuring inflamed rodent paw according to Randall selitto test and displays pressure digitally. 2. Measuring range of 0-250 mm Hg with speed of 10 mmHg/sec 3. Time measurement can be done by Pedal switch which exerts force 4. 3 digit LCD display 5. Data collection software (windows version) with USB serial cable and Printer should be provided with the standard unit.</p>	01 No			

