



Notice Inviting e-Tender

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PROCUREMENT OF MEDICAL EQUIPMENT FOR FIVE NEW MEDICAL COLLEGES AND HOSPITALS

(Submission of Bid through *online*)

Bid Reference No.: WBMSCL /NIT-208/2018

Dated –11.10.2018

The following amendment have been made in the tender document,

Amendment –I

The specification of the equipment put out in the tender is detail below:

| Sl No. | Name of the discipline | Name of the equipments (item) | Specification | Quantity |
|--------|------------------------|--|---|----------|
| 1. | PHYSIOLOGY | Isolated Organ Bath Item deleted | Item deleted | 10 |
| 2. | PHYSIOLOGY | Spirometer, ordinary | <ol style="list-style-type: none">6 liter capacity for vital capacity.Used as a gas meter with chain/ plastic tread compensated counter balance to the float balance to cut its movement.Pulley calibrated to denote volume inlet & outlet tubes.Side cock for gases.Cock for draining off water strong construction. | 30 |
| 3. | PHYSIOLOGY | Centrifuge, high speed with technometer | <ol style="list-style-type: none">Type of Product : Laboratory CentrifugeRotor Capacity (ml): 6x15 mlType of Head : Swing Out HeadNo. of Tubes :6Max. Speed (RPM): 4000Supply: 220 - 240 Volts 50 Hz Single Phase | 10 |

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|--------|------------------------|---|--|----------|
| 4. | PHYSIOLOGY | Perimeter with charts (Lister's) Item deleted | Item deleted | 30 |
| 5. | PHYSIOLOGY | Multi channel Physiograph, 3 channels, complete with accessories | <p>Should be able to record Bio-Electrical Potential e.g. EEG, ECG, ENG, EMG, Pulse,</p> <ul style="list-style-type: none"> • Technical Specifications Student physiograph should be three channel console with 9 speed (0.5,1,2,5,10,20,25,30) • It should be made of light metal for compactness and lightness. • Respiration, Blood Pressure etc. & 50 mm/sec) chart drive, time & Transducers: Pressure, volume, muscle activity/ force respiration belt, Isotonic fine movement, • Couplers: Strain Gauge, isotonic, Pulse Respiration, temperature, EKG and Bio- Potential • event chart, transducers and stimulator pulse, respiration & Data Acquisition System to convert data from physiograph to a computer with HRV and • Temperature independent ECG Recording system with software and computer. Earth Lead • System Configuration Accessories, spares and consumables EEG • EKG electrode • V-pin junction box • III Pin junction box, action potential electrode • EMG paste Chart paper Z- fold • Fuse • Power Supply Power input to be 220-240VAC, 50Hz • Documentation should have US FDA/European CE/BIS certification • Manufacturer should have ISO certification for quality standards • Nutrition Laboratory Sch. 87 WEIGHING MACHINE ADULT <p>Necessary earthing to be executed by the selected supplier</p> <p>Accessories: Computer with software, Printer, UPS</p> | 5 |
| 6. | PHYSIOLOGY | Student physiograph, (single channel) with accessories Item deleted | Item deleted | 10 |
| 7. | PHYSIOLOGY | Colorimeter, photoelectric | <ol style="list-style-type: none"> 1. Filter : Seven Glass filter Photometric Range : 0-100%T(Transmittance) 0-2.0Abs(Absorbance) 2. Should be with digital readout Sample Container : Square cuvette 10x10x45(mm) Round cuvette 10(ID),12(OD),105(L)mm 3. Should work on 230V,50 Hz 4. Accessories: Filter case-1 pc, Filter-7 Pc, Analog output cable-1 Pc, Power cord-1 Pc, Operation manual -1 copy, Bulbs-3 nos and | 5 |

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| | | | Extra Cuvettes -10 nos. 5. The supplier should be ISO certified for quality standards. Should be FDA/CE or BIS approved product. | |
| 8. | PHYSIOLOGY | Water distillation Plant (steel with spare heating elements) | <ol style="list-style-type: none"> 1. Features : <ol style="list-style-type: none"> i) Corrosion resistance steel ii) Easy to operate iii) Optimum performance 2. Capacity 4 Liter/Hour 3. Power: 3KW 4. Power supply: 220/230 volts A C Supply 5. Standard accessories: Cord and plug , wall mounting clamp, rubber tubing 5 meters 6. Spare heating elements | 5 |
| 9. | PHYSIOLOGY | All glass distillation apparatus double stage | Distillation Apparatus consists of a vessel mounted in a heating bath and fitted with a condenser for condensing the vapours. A receiver with drain valve can be added for receiving the condensate. | 5 |
| 10. | PHYSIOLOGY | Calorimeter | Standard for physiology lab. | 10 |
| 11. | PHYSIOLOGY | Bicycle Ergometer | <p>Work Load Range: 10 – 600Watt .Independent Rpm: 20 – 130rpm Work Load range Dependent RPM. Lap Time: 9h 59min 59sec Load Steps : 1 – 99 Watt Time Steps : 1 – 99 Min Load Programs: Manual 1 Load/Step PWC 170, 150, 130 HR Steady State Safety Protection Automatic Load: Heart rate, Blood Pressure, Systolic Blood Pressure, Diastolic Acoustic signal; Dynamic Static Adjustments (Height): 83cm–110cm Saddle: 68cm – 108mm Handle bars: free rotation Accuracy of load: 2% or 3 Watt Input/output External Control: RS – 232 Inputs: Analogue control Start signal Heart rate Blood pressure S Blood pressure D; Outputs: work load Pedaling Speed Step Marker Power supply: 110 – 240V, 50 – 60Hz; Power consumption: 100VA; Safety Standard: class 1, CE; Dimensions (cm): Base plate 79X48; Weight: approx 46Kg.</p> | 15 |
| 12 | PHYSIOLOGY | Sherrington Starling kymograph (electrically driven) | <ol style="list-style-type: none"> 1. Brodie-Sterling Kymograph 2. A spring loaded device should allow turning by hand if necessary 3. It should have a cylinder 6x11"(approx.) with crown wheel engaging shaft Kymograph used to record mechanical activity of muscle. 4. Technical Specifications: <ol style="list-style-type: none"> i) Rigid cast iron stand should work up moving in slot in the bed should allow variation in paper length for 60" to 66" & down by a large screw | 210 |

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| | | | <ul style="list-style-type: none"> ii) Should have fine adjustment which ensure return of outer arm to exactly the same position after instantaneous speed change clutch with slow, medium change of another paper & fast speeds & intermediate 'off' iii) Should be compatible for smoke / ink writing models iv) Positions Separate smoking v) Mercury Manometer vi) Double Time Maker vii) System Configuration Accessories, spares and consumables & Smoking Burner (Only if providing smoke writer) viii) Varnishing apparatus | |

Amendment –II

The BOQ has been replaced.