

Annexure-A

Tender Notice No:- MED/EQUIP/RIMS/ HOS-24

Imphal, the 25th September 2013

Due date on 26th October 2013

A) Fiber optic Bronchoscope with light source and camera

- 1) Fiber Bronchoscope
 - 1.1) Should have minimum 100⁰ field of view.
 - 1.2) Should have a depth of field of 3 to 50 mm.
 - 1.3) The insertion tube should have maximum 6 mm diameter
 - 1.4) Should have at least 180⁰ upwards and 130⁰ downwards angulations.
 - 1.5) Should have a working length of 600mm.
 - 1.6) Should have an instrument channel of at least 2.2 mm inner diameter.
 - 1.7) Should have a light guide illuminating system.
 - 1.8) Should be supplied with all standard accessories including different type of biopsy forceps, cleaning brushes and storage box.

- 2) Digital camera system
 - 2.1) Should be a single chip camera technology.
 - 2.2) Should have two composite video outputs and one S-video output
 - 2.3) Should have anti- moister filter for fiber scopes.
 - 2.4) Should have fully automatic exposure control
 - 2.5) Should have automatic white balance with memory functions.
 - 2.6) Should have horizontal resolution of more than 450 lines
 - 2.7) Should provide compatible optical interface for the fiber bronchoscope supplied.
 - 2.8) Should be supplied with 15" CRT flat TV monitor.
 - 2.9) Should work with input 200 to 240 Vac 50 Hz Supply.

- 3) Light source
 - 3.1) Should be a halogen light source with minimum 150 W light output.
 - 3.2) Should have manual light intensity control.
 - 3.3) Should have dual fan cooling system.
 - 3.4) Should have two lamps of 150W and should have provision to change over in the event of failure from one lamp to another.
 - 3.5) Should work with input 200 to 240 Vac 50 Hz supply.

- 4) Others
 - 4.1) Should be supplied with suitable trolley.
 - 4.2) Trolley should have at least 5 power sockets to connect the camera monitor etc.
 - 4.3) Tran bronchial biopsy needle.
 - 4.4) Electro cautery forceps/probe with SNARE,
 - 4.5) EBUS with guide wire/Probe/Forceps

B) Defibrillator with cardiac Monitor

- 1.1) Biphasic, Manual and AED with voice prompt, compact and light weight
- 1.2) Energy selection 5J to 200 J in steps.
- 1.3) Momentary energy selection access on front panel.
- 1.4) Should have adult and pediatric paddles integrated on same handle.
- 1.5) Momentary Charge key on front panel and on the apex hand.
- 1.6) Monitor should display selected and delivered energy
- 1.7) Should have disarm facility.
- 1.8) Energy should be delivered within 30 ms after the detected R Wave in synchronization mode.
- 1.9) Charging time maximum 5 sec for 200 J
- 1.10) Should have battery back up for 50 discharges of 200 J
- 1.11) Should have ECG inputs through paddles or 3 leads cables.
- 1.12) Should have display for selected ECG input source (I, II,III, paddles)
- 1.13) Lead off message should appear with alert tone.
- 1.14) Amplitude gain of ECG waveform should be adjustable
- 1.15) Should have display for heart rate
- 1.16) Should have alarm for high and low HR
- 1.17) Should have an inbuilt thermal recorder.
- 1.18) Should have enable/disable option for printer
- 1.19) Should supply 2 bottle of jelly, 12 roll of thermal paper
- 1.20) Should supply three pairs of AED pads
- 1.21) Should operate on mains 230V, 50 Hz
- 1.22) Should have safety certificate from a competent authority CE/ FDA (US)/STQC CB Certificate /STQC S certificate or valid detailed electrical and functional safety test report form ERTL. Copy of the certificate/ test report shall be produced along with technical bid.

C) Examination Couch

Overall approx size 1890 mm (L) x 560 mm (W) x 840 mm (H)

With upholstered top in two pieces. Gasping adjustable backrest. Upper section of box with three drawers. Lower section comprises of three cabinets with separate doors. Epoxy powder coated finish, locking system in each cabinets. 75 mm thick vinyl pvc padded PU foam cushion top.

D) Technical Specifications of Automatic Tissue Processor

- 1.1) Micro –processor controlled bench top tissue processor (imported model) with Carousel type construction.
- 1.2) Total with 12 stations (10 reagent stations, 2 was baths) containing glass beakers with handle at each reagent station should have capacity of 1.8 litres. Automatic

- reheating of wax before basket transfer to a wax bath. Temperature range of wax bath 45⁰C to 65⁰ C. Excess temperature cut out 75⁰C.
- 1.3) Metal tissue baskets made of aluminum – Inos. with capacity approx. 80 cassettes to be run at a go.
 - 1.4) Infiltration time of up to 99 hr 59 minutes and should be separately programmable, for each station. The system should have preferably 1 minute drain time between stations for reduced carry over.
 - 1.5) Both immediate and delayed start option must be available with delayed start function up to 9 days, Preferably 1 minute drain time between stations for reduced carry over.
 - 1.6) Safety feature for automatic immersion of tissue basket in a station in case of mains power failure. Option for manual raising and rotation of carousel for immediate tissue basket removal or transfer to the next station using crank in case of long time power failure.
 - 1.7) Membrane keypad and LCD Screen. Power failure indication including station number and time lapsed in excess of programmed infiltration time. Audible alarm warning in case of error message and completion of tissue processing cycle.
 - 1.8) Suppliers should confirm good after sales service with manufacturers factory trained engineers and proven track record.

- E) a) ECG Paper- Single Channel
b) ECG Paper- three Channel

- F) Ecosheild Solution (Hydrogen Peroxide)
11% Silver Nitrate 0.01%
1 Jar= 1 Litre capacity.



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