

ANNEXURE – A

Tender Notice No. RIMS/PUR.EQUIP/TEN – 14

Imphal, the 27th Nov., 2014

Item No. 1:- PULSE OXYMETER

TECHNICAL SPECIFICATIONS

- i. Simultaneous multi-lead ECG monitoring.
- ii. Advanced ST and arrhythmia detection.
- iii. Quick BP readings recall.
- iv. Should have plethismographic wave form with numeric display for SP02 and heart rate on LCD/TFT display.
- v. Should have a SP02 range of 0 to 100%.
- vi. Should have SP02 accuracy of $\pm 2\%$.
- vii. Should provide bar graph for pulse strength.
- viii. Audio and visual alarm for both upper and lower SP02, heart rate.
- ix. Should provide with adult reusable finger probe with technology from standard reputed companies.
- x. Beep sound and alarm sound should have separate volume control.
- xi. Should have a minimum of 2 hours back-up time.
- xii. Should be a portable, light weight and desktop model.
- xiii. Should work with input 200 to 240Vac 50Hz supply.
- xiv. Should have safety certificate from a competent authority CE/FDA (US)/STQC CB certificate/STQCS certificate or valid detailed electrical and functional safety test report from ERTL. Copy of the certificate/test report shall be produced along with the technical bid.

Item No. 2:- INFUSION PUMP

TECHNICAL SPECIFICATION

- i. Should be operated on drip rate Peristaltic finger pump method.
- ii. Should compatible with most of the IV set (macro/micro drip sets).
- iii. Should have the following flow rates.
- iv. IV Set ml/hr drops/min.
 - 15 drops/ml 3 ~ 450 ml/hr 1 ~ 100 drops/min
 - 20 drops/ml 3 ~ 450 ml/hr 1 ~ 100 drops/min
 - 60 drops/ml 1 ~ 100 ml/hr 1 ~ 100 drops/min
- v. Should have a flow rate accuracy of $\pm 10\%$ and drip rate accuracy of $\pm 2\%$.
- vi. Should have a volume infused display from 0 to 999.9 ml.
- vii. Should have a purge and KVO facility.
- viii. Should have an audible and visual alarm for occlusion pressure, air alarm, door open, empty, low battery.
- ix. Should have a LCD display with backlight and graphical display of infusion.
 - Should have a minimum 2 hr. battery back-up at highest delivery rate.
- x. Should work with input 200 to 240 ac 50 Hz supply.
- xi. 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 from ERTL. Copy of the certificate/test report shall be produced along with the technical.



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