

Outcome of the Prebid meeting held on 12.8.2016 against Tender Notice no. 05/2016-17/ Biomedical Equipments / IGIMS / Store.

Sr. No.	Specifications Mentioned in the Bidding Document	May be read as follows
<b>GROUP – A (Emergency &amp; Trauma Unit)</b>		
<b>• For High End ICU Multipara Monitor with 2 Invasive Channels with 16 Ch. Central Monitor</b>		
1.	Modular type & Suitable for Adult/Paediatric/ Patients monitoring. Minimum 15 (or more) inches multi color TET display screen. Eight Channel digital and waveforms/ traces display. Capability of storage of patient data and printing of patient reports.	Modular type & Suitable for Adult/Paediatric/ Patients monitoring. Minimum 15 (or more) inches multi color TFT display screen. Eight Channel digital and waveforms/ traces display.
2.	PULSE OXYMETRY Nellcor or Masimo technology	PULSE OXYMETRY Nellcor or Masimo or equivalent technology
3.	Should be Main Stream capnography with display of CO2 and digital Values of EtCO2,	Should be Main Stream / Sidestream / Microstream capnography with display of CO2 and digital Values of EtCO2,
4.	Defibrillator and Cautery protection should be provided. Should work on Mains as well as battery (backup for 2 Hrs). Automatic zoom in Facility in the monitor display. Should have facility to download trend data on USB and SD Card.	Defibrillator and Cautery protection should be provided. Should work on Mains as well as on battery backup. Automatic zoom in Facility in the monitor display. Should have facility to download trend data on USB and SD Card.
5.	RECORDER Inbuilt dual channel thermal array recorder Include Laser Printer and dual channel strip chart recorder	<b>Deleted</b>
<b>16 Ch. Central Monitor</b>		
6.	Central station should have facility to display up to 20 real time waves at a time and upgradable up to 32 beds in future.	Central station should have facility to display up to <b>16 real time waves</b> at a time.
7.	CNS should have facility for interfacing Holter data for analysis, in case of the Holter from the same brand is available.  CNS should export the ICU patient data to Holter for analysis	<b>Deleted</b>
8.	Central Station Central Station Should be supplied with : 19" flat screen TFT display	Central Station Central Station Should be supplied with : <b>19" (or more) flat screen color TFT display</b>
9.	CNS should operate on Microsoft Windows NT workstation operating system	CNS should operate on Microsoft Windows NT workstation / Window 7 operating system
10.		During warranty period as well as during Comprehensive Annual Maintenance Contract Period, firm will maintain the system with all spares, accessories (i.e. Spo2 Probe, ECG Lead, B.P. Armlet, Internal Battery etc.)  During warranty period, no additional amount is to be paid towards supply of any accessories.  During Comprehensive Annual Maintenance Contract Period, it will be maintained within the same quoted CAMC rate.  Physical damages will not cover under warranty period as well as during CAMC period.  To procure the accessories, in case of physical damages, bidders are required to quote unit price of each accessories.

*Meh*  
19/8



• High End Ventilator ICU		
1.	It should have 2 autoclavable interchangeable expiratory cassette or valve for complete disinfection capability.	Deleted
2.	It should have facility for ventilation data transfer and network connection. Should be HL7 compatible.	It should have facility for ventilation data transfer and network connection. Should be HL7 / Window 7 compatible.
3.		<p>During warranty period as well as during Comprehensive Annual Maintenance Contract Period, firm will maintain the system with all spares, accessories (i.e. Spo2 Probe, ECG Lead, B.P. Armlet, Internal Battery etc.)</p> <p>During warranty period, no additional amount is to be paid towards supply of any accessories.</p> <p>During Comprehensive Annual Maintenance Contract Period, it will be maintained within the same quoted CAMC rate.</p> <p>Physical damages will not cover under warranty period as well as during CAMC period.</p> <p>To procure the accessories, in case of physical damages, bidders are required to quote unit price of each accessories.</p>
• Defibrillator		
1.	Waveform display (min 3)	Waveform display.
2.		<p>During warranty period as well as during Comprehensive Annual Maintenance Contract Period, firm will maintain the system with all spares, accessories (i.e. Spo2 Probe, ECG Lead, B.P. Armlet, Internal Battery etc.)</p> <p>During warranty period, no additional amount is to be paid towards supply of any accessories.</p> <p>During Comprehensive Annual Maintenance Contract Period, it will be maintained within the same quoted CAMC rate.</p> <p>Physical damages will not cover under warranty period as well as during CAMC period.</p> <p>To procure the accessories, in case of physical damages, bidders are required to quote unit price of each accessories.</p>
• Blood Gas Analyzer		
1.	Essential Measured parameters; pH, pCO <sub>2</sub> , pO <sub>2</sub> , SaO <sub>2</sub> with co-oximetry, tHb, Lactates, Na <sup>+</sup> , K <sup>+</sup> , Ca <sup>++</sup> , Cl <sup>-</sup> , Blood urea, Bilirubin & Blood sugar. All these parameters should be measured simultaneously.	Essential Measured parameters; pH, pCO <sub>2</sub> , pO <sub>2</sub> , SaO <sub>2</sub> with co-oximetry, tHb, Lactates, Na <sup>+</sup> , K <sup>+</sup> , Ca <sup>++</sup> , Cl <sup>-</sup> , & Blood sugar. All these parameters should be measured simultaneously.
2.	Suitable UPS with 30 min backup.	Suitable on-line UPS of appropriate capacity with 30 min backup.
GROUP - B (Emergency & Trauma Unit)		
• I.C.U Bed Motorised		
1.	Should have stepless pneumatic adjustment for Trendelenburg (20-25° approx), antitrendelenburg (10-15° approx)	Should have stepless pneumatic / electrical adjustment for Trendelenburg (20-25° approx), antitrendelenburg (10-15° approx)
• I.C.U Bed, Manual		
1.	Should have stepless electrical adjustment for the following :- Height : 450-840 mm Back section : 0- 50 degrees Leg Section : 0-30 degrees	Should have stepless manual adjustment for the following :- Height : 450-840 mm Back section : 0- 50 degrees Leg Section : 0-30 degrees
	Should have stepless pneumatic adjustment for Trendelenburg (20-25° approx), antitrendelenburg (10-15° approx)	Should have stepless pneumatic / manual adjustment for Trendelenburg (20-25° approx), antitrendelenburg (10-15° approx)

*M. J. In*  
198



2.	Should be USFDA approved product	Should be USFDA approved / compliance product
----	----------------------------------	---

**Group-D: ( Pediatric): Neonatal Ventilator**

<u>1</u>	➤ Ventilator should be supplied with Good quality medical air compressor (CE market) and a heated limb humidified with servo regulation of humidity.	Ventilator should be supplied with Good quality medical air compressor ( internal or external of same manufacturer) and a heated limb humidified with servo regulation of humidity.
<u>2</u>	High frequency oscillatory ventilation: oscillating diaphragm based system, with active expiration	High frequency oscillatory ventilation.
<u>3</u>	➤ System to be quoted must be US FDA certified	➤ System to be quoted must be US FDA/ European CE certified

**(1)Group-E: (Cardiology)**

**SL NO-1**

**Cardiac Cath Lab. System,**

**THE ITEM MENTIONED IN OPTIONAL IS DELETED.**

**(2) TMT Machine:-**

**HOLTER SYSTEM-1 IS DELETED ( UNDER TMT)**

**FOR:** . 2.1 System complete with PC, Software, TMT and necessary cables is required with Bluetooth enabled wireless ECG transmission module

**READ:-** 2.1 System complete with PC, Software, TMT and necessary cables is required with digital wired ECG transmission module

The TMT Machine & control unit should be from same OEM.

**(3) HOLTER SYSTEM**

**FOR: 3.12(111)** :Should acquire simultaneous three channel ECG recorder with scanning device.

**READ:** Should acquire simultaneous 12 channel ECG recorder.

. If the vender has only 3 channel recorder they may also quote.

*sd*  
S O Cum Procurement Consultant

IGIMS, Patna

Copy forwarded to Sr. Biomedical Engineer for uploading at the Institute Website.

*Mughb*  
S O Cum Procurement Consultant

IGIMS, Patna

19.8.16