

**AMENDMENT No – II Dated 08/1/2018**

**Sub.: Procurement of Medical Equipment for Kalpana Chawala Government Medical College, Karnal.**

**Tender Enquiry No.:** HSCC/KCGMC/Medical Equipment/2017-06/16 uploaded on 14.12.17

**Bidders are requested to note the following technical Amendment:**

**Item No. 1 Specifications of Modular Monitors with Central Monitoring Station.**

**Specification**

Equipment Specifications for Complete Monitoring System

<b>Existing Specifications</b>	<b>Amended As</b>
3.7 Facility to monitor and display –ECG, Respiration, NIBP, SpO2- Massimo technology, CO2 with capnography, Temperature Pro One & 2-Channel IBP with thermal recorder. Facility of intergraded NMT in two monitors. Upgradable to monitor cardiac output.	<b>Facility to monitor and display –ECG, Respiration, NIBP, SpO2- Massimo technology, CO2 with capnography, Cardiac Output, Temperature &amp; Two- Channel IBP with thermal recorder. Facility of monitoring NMT in two monitors.</b>
3.12 Trend last 24 hours or more.	<b>Trend last 48 hours or more.</b>
3.13 Monitors should be HL7 compatible and should able to be connected to HIS and PACS at KCGMC, Karnal.	<b>Monitors should be HL7 and web browsing compatible and should be upgradeable to be connected to HIS and PACS at KCGMC, Karnal as well as have software for patient comprehensive charting, X-Ray storage and other advanced state of art facilities for patient data management.</b>
3.14 At least 200 nos. event recall/snapshot facility automatically triggered by alarm	<b>At least 150 nos. event recall/snapshot facility automatically triggered by alarm</b>
3.17 Central station for bedside monitors with independently controlled. 21" multi-color TFT Monitor, complete with Ethernet LAN cabling, alarm management, 48 hours trending, bed to bed viewing of waveforms and remote alarm management like silencing of alarms etc.	<b>Central station for bedside monitors with independently controlled. 21" multi-color TFT Touch Screen Medical Grade Monitor, complete with Ethernet LAN cabling, laser printer of reputed make, alarm management, 96 hours trending, bed to bed viewing of waveforms and remote alarm management like silencing of alarms etc.</b>
3.21 Noninvasive real time, hemoglobin monitoring required in 7 monitors. Price should be quoted separately also for future purchase.	Noninvasive real time, hemoglobin monitoring required in 7 monitors <b>(in built or stand-alone)</b> . Price should be quoted separately also for further future purchase.

**List of spares & accessories for multipara meter patient monitor for Central Monitoring Station(CMS) 2 No. With Bed Side Monitors (12 NO.)**

	<b>No. of Monitors +Central Stations</b>	24 + 2
<b>Modules</b>	ECG	Total 24 (1 per monitor)
	SpO <sub>2</sub>	Total 24 (1 per monitor)
	NIBP	Total 24 (1 per monitor)
	End tidal CO <sub>2</sub>	Total 24 (1 per monitor)
	<b>Temperature</b>	Total 24 (1 per monitor)
	<b>IBP</b>	<b>Total 48 (2 per monitor)</b>
	Cardiac output module with accessories	Required in Two monitors only.
	Thermal recorder	Required in Two monitors only.
	<b>Hb Monitoring (in Built or stand-alone)</b>	Required in Seven monitors only.
	NMT Module	<b>Required in Total 2 monitors only.</b>
<b>Accessories</b>	ECG Module	5 lead ECG Sets – total 24 (2 sets per monitor)
	SpO <sub>2</sub> Probe complete set	48 (2 per monitor )
	NIBP cuff complete set	48 (2 per monitor) <b>Adult, Pediatrics, Neonatal (36+6+6)</b>
	End tidal CO <sub>2</sub>	<b>Two kits per monitor or Disposables – 50 tubing per monitor as per case</b>
	IBP Reusable Interface Cable	2 per monitor Total 48
	Disposable pressure transducer kit	10 per monitor-Total 240
	<b>Temperature probes</b>	Required in Two numbers. Rectal/ esophageal per monitor (Total 48 rectal/esophageal)
	Recorder paper rolls	10 per module <b>(Total 20)</b>
	Total NMT Accessories	20 (10 per module)

## **Item No. 2 Mobile C-Arm**

To be used in pain clinic to perform various blocks for management of chronic pain like transforaminal block and other related interventions on spinal cord and other nerves etc.

<b>Existing Specifications</b>	<b>Amended as</b>
Fully counterbalanced C-arm having	
Swivel range $\pm 9$ degrees.	Swivel range <b><math>\pm 7</math> degrees</b>
<b><u>2. X-ray Parameters:</u></b>	
Microprocessor controlled, x-ray generator should be 15 kw or more.	<b>Microprocessor controlled, x-ray generator should be 15 kw or more with 75 KHz frequency or better.</b>
The generator should be capable of providing a boost or a high dose Fluoroscopic exposure at least 20 mA.	<b>The generator should be capable of providing a boost or a high dose Fluoroscopic exposure of 15 mA or better.</b>
The x-ray generator should have the facility for half dose and Quarter dose fluoroscopy	<b>The x-ray generator should have the facility for half dose and Quarter dose fluoroscopy or equivalent or better.</b>
1. Max x-ray tube current — 125 mA in digital radiography mode/ cine mode	<b>Max x-ray tube current — 75 mA or better in digital radiography mode/ cine mode</b>
2. Independent, asymmetric shutter positioning.	<b>Independent, asymmetric shutter positioning or equivalent or better.</b>
<b><u>3. TV System:</u></b>	
The television camera should be of CCD Type With Acquisition In 1024x1024 K.	<b>The television camera should be of CCD Type With Acquisition In 1024x1024 k or better.</b>
<b><u>4. Image Processing</u></b>	
<b><u>Accessories:</u></b>	
a) The equipment must be approved by the USFDA, European CE and AERB Certified.	<b>The equipment must be approved by the USFDA and AERB Certified.</b>

## **Item no. 08. Automated Bacterial Culturing system**

<b>Sr.No</b>	<b>Existing Specifications</b>	<b>Amended as</b>
1.	<ul style="list-style-type: none"> <li>Fully automated system capable of blood, body fluids and mycobacteria testing in the same instrument with minimum 450-500 positions.</li> </ul>	<ul style="list-style-type: none"> <li>Fully automated system capable of culture organism from blood, body fluids in the same instrument with minimum 350 positions.</li> </ul>
2.	<ul style="list-style-type: none"> <li>System should be capable enough to culture mycobacterium tuberculosis from respiratory samples, in case if it is required i.e. one system is capable enough to culture blood specimen, sterile body fluid and mycobacterium tuberculosis.</li> </ul>	<ul style="list-style-type: none"> <li>System should be capable enough to culture from blood specimen, sterile body fluids.</li> </ul>

19.	<ul style="list-style-type: none"> <li>During supply the following start-up kit must be provided along with the equipment – Adult Blood Culture Bottles (400 Nos), Paediatric Blood Culture Bottles (500 Nos), TB / Mycobacterium Culture Bottles (100 Nos)&amp; Anaerobic Culture Bottles (200 Nos).</li> </ul>	<ul style="list-style-type: none"> <li>During supply the following start-up kit must be provided along with the equipment – Adult Blood Culture Bottles (400 Nos), Paediatric Blood Culture Bottles (500 Nos),&amp; Anaerobic Culture Bottles (200 Nos).</li> </ul>
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**Item No. 9 Automated Identifications and Antibiotic susceptibility System**

Sr.No	Existing Specifications	Modified Specifications
3.	The system should have capacity to accommodate at least 40 to 60 tests (either ID and/or AST tests), at any time.	The system should have capacity to accommodate at least more than 40 tests (either ID and/or AST tests), at any time.
6.	•The system should have Identification cards for Gram negative, Gram positive, Yeast Anaerobic, Bacillus spp. and Neisseria-Haemophilus	•The system should have Identification cards for Gram negative, Gram positive, Yeast & Anaerobic bacteria.
7.	The System should have a database of at least 3500-4500 reference phenotypes.	The System should have a database of at least 2000 reference phenotypes.
9.	Antibiotic Susceptibility Test: (up to MIC level)	Antibiotic Susceptibility Test: (up to MIC level). System should be estimate true doubling dilution & there should not be any skip dilution of various antibiotics to estimate true MIC.
17.	Consumables should be disposable sealed bar coded card (ready to use) with pre filled reagents with pre inserted transfer tube for easy automatic transfer of inoculums.	Consumables should be disposable sealed bar coded card (ready to use) with pre filled reagents & automatic testing of panel should be there.

**Bid sale, submission and opening date of all items has been extended as per details given in Table -1:**

**Table -1**

Sl. No.	Description	Revised Schedule
i.	Sale date of the tender	19.01.18, 3.00 P.M.
ii.	Closing date & time for receipt of tender	19.01.18, 3.30 P.M.
iii.	Time and date of Opening of Tenders	19.01.18, 4.00 P.M.

All other terms and conditions of the tender enquiry document shall remain unchanged.

Prospective bidders are advised to regularly visit HSCC website/ CPPP website for corrigendum /amendments etc. if any, as these will be notified on these portals only. No separate advertisement will published in the news papers in this regard.

s/d  
**CGM, HSCC India Limited**  
**For and on behalf of DGMER, Panchkula**