

**INDIRA GANDHI INSTITUTE OF MEDICAL SCIENCES,  
SHEIKHPURA, PATNA – 800 014 (Bihar, India)  
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Ref. No.: IGIMS/ 2018/ 922 / Store

Date: 17 /12/ 2018

**CORRIGENDUM**

Amendment Notice to the Tender Document bearing Tender Notice No.-24/2018-19/Biomedical Eqpt../IGIMS/Store for the Supply, installation and commissioning of Biomedical Equipment to the various dept. of IGIMS, Patna.

**Amendments mentioned hereunder are notified:**

Description	Specifications mentioned in the Bidding Document	Should be read as follows:
<b>Group A - Library</b>		
<b>RFID based Digital Library System</b>		
<b>S.No.04 &amp; S.No.05</b>	EM	Omitted
<b>Group B – NELS Skill Lab</b>		
<b>ACLS Mannequin</b>		
<b>S.No.1. Point No.18.</b>	Warranty of 2 years followed by CAMC for 5 years	• Warranty of 3 years followed by CAMC 2 years
<b>Airway Management Trainer</b>		
<b>S.No.2. Point No.13</b>	Warranty of 2 years followed by CAMC for 5 years	• Warranty of 3 years followed by CAMC 2 years
<b>S.No.2. Point No.14</b>	Rate and list of accessories to be quoted separately	• Rate and list of accessories to be quoted separately Valid for CAMC Period
<b>S.No.2 Point No.17 added</b>	Add	*Should simulate laryngospasm, vomiting and clearance of airway with sanction.
<b>Basic Life Support Trainer</b>		
<b>S.No.3 point No.9</b>	Warranty of 2 years followed by CAMC for 5 years	• Warranty of 3 years followed by CAMC 2 years
<b>S.No.3 Point No.11</b>	Rate and list of accessories to be quoted separately	• Rate and list of accessories to be quoted separately valid for CAMC period
<b>ALS Mannequin Infant</b>		
<b>S.No.4 Point No.9</b>	It should be capable of generating bilateral carotid pulse	• It should be capable of generating bilateral brachial pulse
<b>S.No.4 point No.10</b>	Can match defibrillators and pacemakers of different factories and types to achieve real defibrillation and pacing.	• Omitted
<b>S.No.4 Point No.12</b>	It should have feedback device to allow real-time CPR performance feedback	• Omitted
<b>S.No.4 Point No.17</b>	Warranty of 2 years followed by CAMC for 5 years	• Warranty of 3 years followed by CAMC 2 years
<b>S.No.4 Point No.19</b>	Rate and list of accessories to be quoted separately	• Rate and list of accessories to be quoted separately Valid for CAMC Period
<b>Anatomical Torso Trauma Manikin</b>		
<b>S.No.5 Point</b>	Skin should be made of good quality silicone	• Skin should be made of good quality

<b>No.(A)5</b>	materials	silicone materials (replaceable)
<b>S.No.5 point No.(D)1</b>	The price and list of accessories to be quoted separately	<ul style="list-style-type: none"> <li>The price and list of accessories list of quoted separately valid for CAMC period during warranty replacement of skin or pad as &amp; when needed.</li> </ul>
<b>S.No.5 point No.(D)4</b>	Warranty of 2 years followed by CAMC for 5 years	<ul style="list-style-type: none"> <li>Warranty of 3 years followed by CAMC 2 years</li> </ul>
<b>Head Trauma Mannequin</b>		
<b>S.No.6 Point No.5</b>	Warranty of 2 years followed by CAMC for 5 years	<ul style="list-style-type: none"> <li>Warranty of 3 years followed by CAMC 2 years</li> </ul>
<b>S.No.6 Point No.6</b>	Rate and list of accessories to be quoted separately	<ul style="list-style-type: none"> <li>Rate and list of accessories to be quoted separately Valid for CAMC Period</li> </ul>
<b>Phlebotomy Trainer Arm/ Peripheral IV Line Trainer</b>		
<b>S.No.8 Point No.10</b>	Warranty of 2 years followed by CAMC for 5 years	<ul style="list-style-type: none"> <li>Warranty of 3 years followed by CAMC 2 years (skin or pad to be replaced during warranty)</li> </ul>
<b>S.No.8 Point No.11</b>	Rate and list of accessories to be quoted separately	<ul style="list-style-type: none"> <li>Rate and list of accessories to be quoted separately Valid for CAMC Period</li> </ul>
<b>Infant Intraosseous Trainer</b>		
<b>S.No.9 Point No.5</b>	Provision for drain in heel connecting to reserving bag	<ul style="list-style-type: none"> <li>Omitted</li> </ul>
<b>S.No.9 Point No.9</b>	Warranty of 2 years followed by CAMC for 5 years	<ul style="list-style-type: none"> <li>Warranty of 3 years followed by CAMC 2 years</li> </ul>
<b>S.No.9 Point No.10</b>	Rate and list of accessories to be quoted separately	<ul style="list-style-type: none"> <li>Rate and list of accessories to be quoted separately Valid for CAMC Period</li> </ul>
<b>Central IV Manikin with Internal Jugular, Subclavin and Femoral Access</b>		
<b>S.No.10 Point No.10</b>	List of all consumables required for full functioning of the trainer along with their costs are to be provided.	<ul style="list-style-type: none"> <li>List of all consumables required for full functioning (skin /pad to be replaced during warranty)of the trainer along with their costs are to be provided.</li> </ul>
<b>Centralized Compressed Based Mechanical Ventilator</b>		
<b>S.No.11 (Technical Specification) Point No.1</b>	Compressor based ventilator (independent of central gas installation)or turbine based ventilator	<ul style="list-style-type: none"> <li>Compressor based ICU ventilator (Independent of central gas installation )</li> </ul>
<b>S.NO.11 (Technical Specification) Point No.5</b>	At least 12.1” LCD TFT touch screen display (must) with intuitive menu with viewing area 246 x 184 mm approximately	<ul style="list-style-type: none"> <li>At least 10”-12” LCD TFT touch screen display (must) with intuitive menu with viewing area 246 x 184 mm approximately.</li> </ul>
<b>S.NO.11 (Technical Specification) Point No.5</b>	Upto 3 waveforms should be displayed simultaneously	<ul style="list-style-type: none"> <li>Upto 2/3 waveforms should be displayed simultaneously</li> </ul>
<b>S.NO.11 (Technical Specification) Point No.14</b>	O2 Sensor: Non-consumable and maintenance-free O2 sensor will be preferable	<ul style="list-style-type: none"> <li>O2 Sensor: Non-consumable and maintenance- free O2 sensor will be preferable. Free replacement during Warranty &amp; CAMC.</li> </ul>
<b>S.NO.11 (Technical Specification) Point No.17 (G)</b>	Aeroneb nebulizer:1	<ul style="list-style-type: none"> <li>Aeroneb nebulizer/ Programmable Nebulised with Kit(Inbuilt)</li> </ul>
<b>Defibrillator-cum-Monitor with external pacing</b>		
<b>S.No.13 point No.3</b>	Should have facility to do ECG monitoring, transcutaneous pacing, defibrillation and	<ul style="list-style-type: none"> <li>Should have facility to do ECG monitoring, transcutaneous pacing,</li> </ul>

	synchronized cardioversion. Should provide CPR feedback, to measure chest compression rate & depth in real time & should provide visual & audible feedback.	defibrillation and synchronized cardioversion.
<b>S.No.13 Point No.10</b>	Defibrillator should have pulse - oximetry and NIBP as integral part of unit. Should have facility for external non-invasive pacing.	Defibrillator should have pulse - Should have facility for external non-invasive pacing.
<b>Portable Ultrasound with Color Doppler System</b>		
<b>S.No.16 point No.1</b>	The unit should be compact, lightweight and portable	The unit should be compact, lightweight and portable.(weight less than 5 kg)
<b>S.No.16 point No.15</b>	Flat LCD/ TFT monitor of approx. 25 inch.	Flat LCD/ TFT monitor of approx. 25 cm
<b>S.No.16 point No.20</b>	Must be able to operate both on AC and inbuilt battery. Inbuilt battery pack should be self-recharging and should last at least for 45 min when fully charged. One extra battery pack to be supplied.	Must be able to operate both on AC and inbuilt battery. Inbuilt battery pack should be self-recharging and should last at least for 90 min when fully charged. Price of extra battery (optional) to be quoted.
<b>S.No.16 Point No.24</b>	Add	Training module/gel slab/phantom for needle direction & placement
<b>S.No.16 Point No.25</b>	Add	Software for needle enhancement image
<b>S.No.16 Point No.27 (A)</b>	Compatible laparoscope transducer as per GTS	Omitted
<b>S.No.16 Point No.27 (C)</b>	Compatible Endo-cavitary transducer as per GTS	Compatible Endo-cavity transducer as per GTS
<b>Infant Basic Life Support Trainer</b>		
<b>S.No.17 point No.8</b>	Warranty of 2 years followed by CAMC for 5 years	• Warranty of 3 years followed by CAMC 2 years
<b>Group C– Paediatric Medicine</b>		
<b>Paediatrics Ventilator</b>		
<b>S.No.01 Point No. 4.1</b>	Medical Air compressor USFDA and CE Certified.	Medical Air compressor ( same manufacturer) should be USFDA and CE Certified
<b>S.No.01 Point No. 6.4</b>	Availability of consumables for at least 7 years after the date of installation.	Omitted.
<b>S.No.01 Point No. 6.5 (2)</b>	Dimensions: not more than 15 x 18 x 14 cm (without chamber fitted).	Omitted.
<b>S.No.01 Point No. 6.5 (3)</b>	Weight should be less than 3 kg (without chamber fitted )	Omitted.
<b>Portable Paediatric/ Neonatal Colour Doppler/ Echocardiography System</b>		
<b>Technical Specification S.No.01 Point No. 25</b>	Archive- Should have facility to transfer images to CDRW and Pen drive.	Archive – should have facility to transfer images to storage devices.
<b>Technical Specification S.No.01 Point No. 26</b>	Print – should have direct connectivity to Inkjet Printer for printing images and report.	Print – should have direct connectivity to Laser Printer for printing images and report.

<b><u>S.No.02 Point No. 2</u></b>	5-12 MHz Broadband Phased Array Transducer for Neonatal Cardiac imaging	Approx. 5-12 MHz Broadband Phased Array Transducer (Neonatal Transducer) for Neonatal Cardiac imaging.
<b><u>S.No.02 Point No.6</u></b>	Color inkjet printer.	Omitted.
<b><u>S.No.02 Point No.7</u></b>	B/W thermal printer.	B/W thermal printer (To be quoted as optional).
<b><u>Accessories S.No.03 Point No.1</u></b>	A well stable trolley of imported make to keep machine, jelly, UPS, printer, VCRs etc. DVD mounted on heavy duty castor wheel.	A well stable trolley to keep machine, jelly, UPS, printer and other associated items mounted on heavy duty castor wheel.
<b><u>Accessories S.No.03 Point No.2</u></b>	Paper roll for inkjet printer and thermal printer for at least 1000 image.	Omitted.
<b>Group D – Trauma &amp; Emergency &amp; Orthopaedics</b>		
<b>Arthroscopy Instruments</b>		
<b><u>S.No.01 Point No.4</u></b>	Three-Clip, Camera should be HD, resolution of 1920 X 1080 native resolutions, Full HD Progressive.	Three-Chip, Camera should be HD, resolution of 1920 X 1080 native resolutions, Full HD Progressive/ Interfaced.
<b><u>S.No.01 Point No.7 (i)</u></b>	Add	Interference Screw(Titanium)
<b>Group G – TB &amp; Chest</b>		
<b>Flexible Video Thoracoscope.</b>		
<b><u>S.No.01 Point No11</u></b>	The equipment should be supplied with at least three biopsy forceps and three channel cleaning brushes.	The equipment should be supplied with the following accessories:- a. Disposable Biopsy Forceps-05 nos. b. Channel cleaning brushes-03 nos. c. Flexible Trocars- 10 nos. d. Spray catheter for intrapleural drug instillation- 01 no
<b><u>S.No.01 Point No15</u></b>	Add	Video Processor with Light source and Monitor. a. Video processor and Light source should be latest and from the same manufacturer. b. Should be equipped with 300 W LED Light Source with emergency back-up lamp. c. Medical Grade Monitor: At least 24 inch size, Full HD (High Definition)
<b><u>S.No.01 Point No16</u></b>	Add	Computer with recording and reporting system- Latest intel Core i5 with at least 4 GB RAM with Laser colour printer, software and 2 KVA UPS. Trolley
<b>Group H- Anaesthesiology</b>		
<b>Flexible Intubation Video Endoscope(Adult Size + Ped Size) non fiber.</b>		
<b><u>S.No.01 Point No01</u></b>	There should be no Optical Fiber bundles/ non fiber optics.	There should be no Images Fiber bundles/ non fiber optics.
<b><u>S.No.01 Point No11</u></b>	One imported Trolley to hang Scope as well monitor should be provided.	One Trolley for each Scope.
<b><u>S.No.01 Point No19</u></b>	Add	Warranty 5yrs and CAMC 5 yrs.

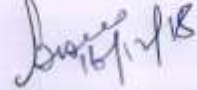
<b>Portable colour Doppler Ultrasound unit.</b>		
<b>S.No.02 Point No01</b>	< 6.6 kg	< 5 kg
<b>S.No.02 Point No11</b>	Less than 6.6 kg	Less than 5 kg
<b>S.No.02 Point No13</b>	At least 10 inches	At least 11 inches or above.
<b>S.No.02 Point No18</b>	Linear an Curvilinear probes	Linear and Curvilinear probes
<b>Video Laryngoscope</b>		
<b>S.No.03 Point No14 (4)</b>	Warranty and CAMC- As per institution rule	<b>Warranty of 5 yrs. and CAMC of 5 yrs.</b>
<b>S.No.03 Point No15</b>	Optional	Omitted
<b>Group K – Gastroenterology</b>		
<b>Rate Contract for Endoscopy Unit Consumables</b>		
<b>S.No.04</b>	Sphincterotome-triple lumen, long nose tapered, cutting wire length 30 mm with insulated coating on proximal part of wire.	Sphincterotome-triple lumen, long nose & short nose tapered, cutting wire length 20 mm with insulated coating metal tip catheter size 5-6 Fr.
<b>S.No.10</b>	Diameter 9-12/12-15/15-18 mm	Diameter 8.5 to 15 mm & 15 to 20 mm.
<b>S.No.17</b>	Balloon length 3 cm	Balloon length 3cm - 4 cm
<b>S.No.27</b>	Length 4/6/8/10	Length 4/6/8-15 cm
<b>S.No.28</b>	Length 4/6/8/10/12 cm	Length 4/6/8/9/10/12 cm
<b>S.No.38</b>	CRE dilator-wire guided, 9-12, 12-15, 15-18	CRE dilator-wire guided,6-9, 9-12, 12-15, 15-18 with compatible inflation device.
<b>S.No.46</b>	Knifes- IT type- IT Knife, IT Knife 2, IT Knife Nano Needle Knife, hook Knife, dual Knife Flush Knife BT	Knifes- IT type- IT Knife, IT Knife 2, IT Knife Nano Needle type-Needle Knife, hook Knife J, dual Knife J, TT Knife J Hemostasis- Co- Grasper for UGI & LGI
<b>S.No.50</b>	19 gauge	19 gauge, 22 gauge ,25 gauge
<b>S.No.51</b>	Add	EZ Shot-3 Pluse (19 G & 22 G)
<b>Instruction to Bidder</b>		
<b>S.No.07 Earnest Money Deposit (EMD)</b>		
<b>Group I</b>	Earnest money will be 2 % of the cost of Equipment	Earnest money will be 1 Lakh
	Add	After selection the successful bidders have to submit the S.M.D. of Rs.2 Lakhs before signing the Agreement.
<b>Group J</b>	Earnest money will be 2 % of the cost of Equipment	Earnest money will be 2 Lakh
	Add	After selection the successful bidders have to submit the S.M.D. of Rs.10 Lakhs before signing the Agreement.
<b>Group K</b>	Earnest money will be 2 % of the cost of Equipment	Earnest money will be 1 Lakh
	Add	After selection the successful bidders have to submit the S.M.D. of Rs.2 Lakhs before signing the Agreement.
<b>Last Date of Submission</b>	21.12.2018 up to 4.00 PM	03.01.2019 up to 4.00 PM
<b>Date of opening of technical bid.</b>	22.12.2018 at 3.30 PM in Conference Hall of IGIMS, Patna (New Administrative Building)	04.01.2019 at 3.00 PM in Conference Hall of IGIMS, Patna (New Administrative Building)

**Please Note:**

1. All the equipment's to be supplied must be supported by ON-LINE UPS of required capacity with 30 minutes battery backup.
  2. The bidders are requested to take note of the following changes made in the tender document, which are to be taken into account while submitting the tender. They shall be presumed to have done so and accordingly submitted the tender.
  3. All other specifications, terms & conditions of the original tender document shall remain unchanged.
  4. This amendment shall be part of the tender documents and become effective immediately in supersession to the earlier corresponding version.
- The document also can be downloaded from the IGIMS website [www.igims.org](http://www.igims.org).

Copy to- ✓ Sr. Biomedical Engineer: For Uploading on website/ Notice Board.

sd/-  
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