

GANDHI INSTITUTE OF MEDICAL SCIENCES, SHEIKHPURA, PATNA-14.  
(A Super specialty Autonomous Institute of Govt. of Bihar)

Tel.: 0612 – 2297631, 2297099, Fax: 0612 – 2297225, Website: [www.igims.org](http://www.igims.org)

- 1: Minutes of the Pre-bid meeting is enclosed for uploading on the Institute website.
- 2: Following amendment is made herewith in the Tender Notice No. 15/2017-2018 / Liver trans./ Bio Medical -Equipment// IGIMS/STORE.

**Due date** is hereby extended up to 06 /02/2018 till 4.00 P.M & Tender will be received through registered /Speed Post/ Courier only and technical bid will be opened on 07 /02/2018 at 3.30 P.M. in the conference hall of the Institute


By the Order of the Director

  
Store Officer Cum Procurement Consultant  
IGIMS, Patna

Ref: No 60 (Store)

dated 24 / 1/2018

Copy forwarded to Sr. BME for uploaded at the Institute Website

  
Store Officer Cum Procurement Consultant  
IGIMS, Patna

Proceeding of the Pre- bid meeting held on 16/1/2017 at 3.30PM in the Conference hall IGIMS, Patna regarding discussion and suggestion given by the Prospective bidders in the pre-bid meeting on technical specification , terms & conditions for supply, Installation commissioning of different kinds of Biomedical Equipments at IGIMS, Patna against Tender Notice no 15/2017-18/Biomedical Equipment/IGIMS/Store

Members Present:-

- 1: Dr. Prabhat Kumar Sinha  
Medical Superintendent-IGIMS, Patna
2. Dr. Prakash Kumar Dubey  
Prof. deptt. of Anesthesiology -IGIMS, Patna
- 3.. Dr. Manish Mandal  
HOD G I Surgery -IGIMS, Patna
- 4.. Dr. Sailesh Kumar  
Prof. Microbiology IGIMS, Patna
- 5 Dr. Ashish Kumar Jha  
Assoc. Prof. Gastrolenterology-IGIMS, Patna
6. Dr. Abhay Kumar  
Scientist Immunology &Microbiology IGIMS, Patna
- 7.. Sri Shailendra Kr.Singh  
Sr. Biomedical Engineer  
IGIMS Patna
8. Sri Birendra Singh  
SO Cum Procurement Consultant  
IGIMS ,Patna .

During the course of discussion , proposal were put up by prospective bidders before committee for consideration/ amendments . After details discussion, the details of amendments are as under:

**(d) Cerebral Oximeter**

Requirements	Tender Specifications	Amendment specification
<b>1. Operational Requirements</b>	<ul style="list-style-type: none"> <li>• Suitable for Adult and Pediatric patients</li> </ul>	
<b>2. Display/Indicator Requirements</b>	<ul style="list-style-type: none"> <li>• Colour Display with Adjustable Brightness- Backlit Active Matrix TFT LCD</li> <li>• Touchscreen- Multi-Touch P-Cap</li> </ul> <p>Parameters- Numerical Display of rSO<sub>2</sub>, O<sub>3</sub> SpO<sub>2</sub>, Δbase, AUC Index( Area under curve), ΔSpO<sub>2</sub>,</p>	<p>Touchscreen- Multi-Touch P-Cap or easily accessible button.</p> <ul style="list-style-type: none"> <li>• Parameters- Numerical Display of rSO<sub>2</sub>, O<sub>3</sub> SpO<sub>2</sub>, Δbase, AUC Index( Area under curve),</li> </ul>



	<p>SpO2, PR &amp; Perfusion Index</p> <ul style="list-style-type: none"> <li>• rSO2 trend</li> <li>• Access to Menu and user settings for configuring and managing alarms</li> <li>• Screen Size- 10.1 in (25.65 cm) Diagonal</li> <li>• Resolution - 1280 x 800 Pixels</li> </ul>	<ul style="list-style-type: none"> <li>• <math>\Delta</math>SpO2, SpO2, PR &amp; Perfusion Index (<b>Optional</b>)</li> </ul>
3. Technical Requirements	<ul style="list-style-type: none"> <li>• Continuous display of Difference between current rSO2 and user-defined baseline</li> <li>• Continuous display of Difference between rSO2 and SpO2</li> <li>• Area under the curve (AUC) to quantify the duration and depth of patient's stay below the user-defined rSO2 low alarm limit</li> </ul>	<ul style="list-style-type: none"> <li>• Continuous display of Difference between rSO2 and SpO2 (<b>Optional</b>)</li> </ul>
4. Sensor Specifications	<ul style="list-style-type: none"> <li>• Wavelengths- 4</li> </ul>	
5. Accuracy Specifications	<ul style="list-style-type: none"> <li>• Trending Regional Oxygen Saturation (rSO2) ARMS- 3%</li> <li>• Absolute Regional Oxygen Saturation (rSO2) ARMS- 4%</li> </ul>	
6. Battery Requirements	<ul style="list-style-type: none"> <li>• Rechargeable Batteries</li> <li>• Capacity – 4 hours</li> </ul>	<ul style="list-style-type: none"> <li>• Rechargeable Batteries \Capacity – 4 hours (<b>Preference</b>)</li> </ul>
7. Environmental Requirements	<ul style="list-style-type: none"> <li>• Operating Temperature: 0-40°C</li> <li>• Storage Temperature: -40-60°C</li> <li>• Operating Humidity: 10-95%</li> </ul>	
8. Regulatory Requirements	<ul style="list-style-type: none"> <li>• FDA/CE approved product</li> <li>• Manufacturer/Supplier should have ISO certification for quality standards</li> </ul>	
9. Connectors	<ul style="list-style-type: none"> <li>• Ethernet- 10/100 MBps (1)</li> <li>• Nurse Call- 1/4-in Round Female (1)</li> <li>• USB- USB 2.0 (2)</li> </ul>	

<b>10. Communication Requirements</b>	<ul style="list-style-type: none"> <li>• WLAN Radio- Tri Mode IEEE 802.11 a/b/g</li> <li>• Encryption- 64/128-bit WEP, Dynamic WEP, WPA-TKIP, WPA2-AES</li> <li>• Authentication- Open System, Shared Key, Pre-Shared Key (PSK)</li> </ul>	
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**g) Tacrolimus Drug Monitoring Machine**

Tender Specification	Amend Specification
	<b>CLIA based drug monitoring instrument( Tacrolimus f k 506)</b>
	Fully Automated immunoassay Analyser
	Flash Chemiluminescence ABEI label for faster result.
	Nano – magnetic microbeads separation phase for maximum sensitivity and accuracy
	Throughput: maximum 180 tests/hr
	Sample and reagent continuous loading
	On board capacity: up to 40 samples
	Random access or batch mode STAT
	2- point calibration with 10 point present master curve
	Refrigerator reagent area sample and starter area
	Reagent recognition with RFID reader
	Level sensor and clot detection
	Auto dilution for higher title samples
	Sample required is whole blood for Tacrolimus testing
	PRENATAL SCREENING.GLYCO METABOLISM, HEPATIC FIBROSIS, Complete ToRCH profile including HSV 1+2 IgG& HSV 1+2 Igm on the instrument
	Special parameters like FE3, PTH,CT,PCT,GAD65,NT Pro- BNP,PAPP-A, Free B-HCG,FK-506(Tacrolimus), Cyclosporin A,ACTH etc
	Minimum 100 parameters including routine & special parameter .Also offers free testosterone and 170HP which is not available on any other automation.

**(u) Upper & lower G I Video Endoscope**

**TECHNICAL SPECIFICATION OF VIDEO – PROCESSOR**

Tender Specification	After pre-bid amendment in Monitor
Medical grade high definition flat panel L C D /LED colour monitor of size 17 inch with full screen picture capability	Medical grade high definition flat panel L C D /LED colour monitor of size 21 inch with full screen picture capability
	Trolley from OEM
<b>SPECIFICATION OF U G.I VIDEO ENDOSCOPE</b>	
Approx.DEPTH OF FIELD:	Approx.DEPTH OF FIELD:
Indigenous items	Computer system (I-3 Processor )
	Printer UPS Software
Specify the list of accessories supplied with upper GI	Biopsy Forceps Qty.20 pcs.

video -endoscope	
<b>SPECIFICATION FOR VIDEO- COLONOSCOPE</b>	
DEPTH OF VIEW:- 100mm.(APPROX)	5- DEPTH OF VIEW:- 3-100mm.(APPROX)
8.SPECIFY THE LIST OF ACCESSORIES TO BE SUPPLIED WITH VIDEO-COLONOSCOPE	8.SPECIFY THE LIST OF ACCESSORIES TO BE SUPPLIED WITH IDEO-COLONOSCOPE- Such as Biopsy forceps-25 pcs.
Trolley from OEM	
<b>Indigenous items :</b> Computer system( I-3 Processor )  Printer UPS Software	

**(n) Spyglass choangioscope**

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**(h) Fibroscopic Image Intensifying (TJLB set)**

<b>(h)</b>	<b>h)-Fluoroscopic Image Intensifier (C-arm) set</b>
	<b>I)-TRANS JUGULAR LIVER BIOPSY SET (TJLB)</b>

Sd/- (Sri Birendra Singh) SO Cum Procurement Consultant IGIMS ,Patna	Sd/- (Sri Shailendra Kr.Singh) Sr. Biomedical Engineer IGIMS Patna
Sd/- (Dr. Abhay Kumar ) Scientist in Immunology &Microbiology IGIMS, Patna	Sd/- (Dr. Ashish Kumar Jha) Assoc. Prof. Gastroenterology- IGIMS, Patna
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	Sd/- (Dr. Sailesh Kumar ) Prof. Microbiology IGIMS, Patna
	Sd/- (Dr. Prabhat Kumar Sinha) Medical Superintendent IGIMS, Patna

8