

All India Institute of Medical Sciences, Bilaspur  
Himachal Pradesh- 174037

Ref No of GeM Bid No: GEM/2024/B/5650056

Issue Date: 06/12/2024

Name of the Bid: Pediatric laparoscopy set

Representation from:

1) Stryker

S. NO.	Existing specification	To be changed to	Amendment/Response
1	<u>Video Processor</u> The system should be ready to accept 2D camera head, Cysto-videoscopes and Uretero-videoscopes.	Requesting you to kindly delete this point as it seems to be company specific & it may restrict reputed and eligible bidders to participate	<b>Not accepted</b> <b>Department requires ready to accept flexible cysto-videoscope and uretero-videoscopes for Pediatric urology patients.</b>
2	<u>Light Source</u> Should be powerful LED Light Source equivalent to 175 or more to adequate brightness and true colour reproduction.	Request you to kindly amend as below: - Should be powerful LED Light Source equivalent to 300 or more to adequate brightness and true colour reproduction.	<b>Accepted</b>
3	Should have 2100 Lumen or more.	Request you to kindly amend as below: - Should have 1700 - 2100 Lumen or more.	<b>Accepted /Optional</b>
4	Telescopes 10mm 30 degree and 5mm 30 degree (4K ICG Compatible)-2 no. each	Please clarify Quantity of Each Size	<b>01 each</b> <b>10mm 30 degree</b> <b>5mm 30 degree</b>



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5	It should have chip on Tip technology.	Requesting you to kindly delete this point as this feature is required for 3D Integrated Camera Head & Telescope whereas you have asked for 2D camera System.	<b>Accepted</b>
6	<u>Endoscopic Trolley</u> Should be from Same OEM	Request you to kindly amend as below: - Should be from Same OEM/ Marketed by Same OEM. Mobile Video Cart should be covered under Warranty.	<b>Accepted</b> <b>Warranty in case of marketed by same OEM would be 5 years</b>

2) Life care

S.NO	Existing specification/ tender specification	To be changed to	Amendment/Response
	<p><u>Video processor :-</u></p> <ul style="list-style-type: none"> <li>The system should have resolution (3840*2160) 2D in 4k resolution and aspect ratio of 16:9 for 4k video processing</li> <li>The system should be ready to accept 2D camera Head, Cysto-Videoscopes and Uretero-videoscopes.</li> <li>Should automatically adjust light intensity to achieve ideal illumination.</li> </ul>	<p>Processor should be 3D compatible in ICG 4K for easy and minimal cost upgradation.</p> <p>Along with several Video scope, Exo-scope in 2D and 3D should also be accepted in the console to perform open surgeries.</p>	<p><b>Accepted</b></p> <p><b>If department wants to upgrade system to 3D in future, could be possible with minimal cost upgradation</b></p> <p><b>Facility of flexible video-cystoscope and video-ureteroscopy is must. Option of Exo-scope is optional</b></p>

		Additional point: 4K ICG compatible camera head is not asked in the specifications. Please add this point.	<b>4K Camera head along with specification added at last *</b>
2	<p><u>LED Light Source:</u></p> <ul style="list-style-type: none"> <li>• Should be powerful LED Light source equivalent to 175 or more to adequate brightness and true color reproduction.</li> <li>• The lamp's life should be 50000 hours or should be under a 5-year warranty</li> </ul>	<p>Laser Free Light source should be asked for ICG operations to avoid possible harmful events caused by using laser beam on exposed areas and to user's eyes.</p> <p>It should be changed 30,000 hours and 10 years support till the end of the CMC. 30,000 hours technically assures more than 10 years lamp life.</p>	<p><b>Optional</b></p> <p><b>Accepted</b></p>
3	<p>32" 4k Medical grade monitor: 2 Nos. one for operating surgeon and other for assistant.</p> <ul style="list-style-type: none"> <li>• Should have facility to upscale HD/SD signals to 4k resolution.</li> <li>• It should have chip on tip technology.</li> </ul>	<p>32" or 55" 4K 3D monitor should asked for the operating surgeon and for the assistant, 27" Full HD Medical grade monitor should be asked. And both the monitors should be from the same manufacturer as of other equipment's.</p> <p>This point should be deleted as it has no reference if already 4K signal is being fed to the monitor.</p> <p>This point should be deleted as it is applicable in videoscopes and 3D scopes.</p>	<p><b>32" 4K monitor for operating surgeon and for Assistant 32" full HD medical grade monitor</b></p> <p><b>Accepted</b></p> <p><b>Accepted</b></p>

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4	<p><u>45 l/min High flow insufflator:</u></p> <ul style="list-style-type: none"> <li>• High flow 45 litres or more with digital display on front panel Set pressure, Actual pressure flow rate and volume.</li> </ul>	<p>40 L/min is sufficient even for maintaining high pressure in patients with large anatomy.</p>	<p><b>Not accepted</b> <b>45l/min or more with internal or external facility of heating the CO2 is must</b></p>
5	<p><u>Recording system</u></p> <ul style="list-style-type: none"> <li>• Should have facility to record 4k videos and HD and still images.</li> <li>• Internal storage 1 TB</li> <li>• Can be from reputed make or same make.</li> </ul>	<p>Should have the facility to record Videos (Optional with audio) and still images in Full HD, 4k, 2d and 3D (Future proof).</p> <p>The internal storage should be 2TB or more. As 4K signals use more storage capacity where 1TB shall not be sufficient.</p> <p>The system should be from the same manufacturer as other equipment and instruments to maintain the optimum imaging Chain.</p>	<p><b>Accepted</b></p> <p><b>Accepted</b> <b>internal memory of 2TB along with external memory support of 5 TB and more</b></p> <p><b>Not Accepted</b></p>
	<p>POINTS TO BE ADDED TO SPECS</p>	<ul style="list-style-type: none"> <li>• <b>Should be a medical device based on Windows OS.</b></li> <li>• <b>Should be dual channel to document two sources simultaneously.</b></li> <li>• <b>The system should have 10inch or more touch screen for Graphical User Interface.</b></li> <li>• <b>The system should have integrated DICOM and HLS Interface</b></li> <li>• <b>The system should have integrated safety checklist</b></li> </ul>	<p><b>Preferable</b></p>

		<p><b>following WHO standards or customizable.</b></p> <ul style="list-style-type: none"> <li>• <b>The system should have the option of Automatic storage in background to reduce the time between the interventions</b></li> <li>• <b>The system should have AES-256 protection for stored data.</b></li> </ul>		
6	<p>Laparoscopic suction and irrigation pump</p> <ul style="list-style-type: none"> <li>• Vacuum tube from pump to serration trap hygiene filter for aspiration</li> </ul>	This point should be deleted as it is company specific.	<b>ACCEPTED</b>	
	Note: 1. All key components like Camera system, Telescope, light source, insufflator, monitor, should be from the same manufacturer	All key components like Camera system, Telescope, light source, insufflator, monitor, recording device, suction irrigation system and instruments should be from the same manufacturer to maintain proper imaging chain and for better service and outcome.	Note: 1. All key components like Camera system, Telescope, light source, insufflator, monitor, should be from the same OEM	
SL No.	Technical Specification	Amendment Point		
	PEDIATRIC LAPAROSCOPIC 5 MM INSTRUMENTS			
12	5 MM HEMLOCK CLIP APPLICATOR DISMANTLING, ROTATING, LENGTH 25-30CM WITH METAL HANDLE, METAL OUTER	Provide option to supply from 3 <sup>rd</sup> party.	<b>Accepted</b>	

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	SHEATH, INSERT FOR MEDIUM AND LARGE SIZE CLIPS			
13	6-5.5 MM CLIP APPLICATOR DISMANTLING, ROTATING/NON-ROTATING, LENGTH 25-30 CM WITH METAL HANDLE, METAL OUTER SHEATH, INSERT FOR MEDIUM AND SMALL SIZE CLIPS	Provide option to supply from 3 <sup>rd</sup> party.		<b>Accepted</b>
14	5 MM NEEDLE HOLDER MACRONEEDLE HOLDER, SIZE 5 MM, LENGTH 25-30, SELF CORRECTING, ERGONOMIC HANDLE WITH RATCHET, LEFT CURVED JAWS WITH TUNGSTEN CARBIDE INSERTS	SELF CORRECTING is not possible with curved jaw. Please change		<b>Accepted</b>
17	10 MM FORCEPS 25-30 CM, FORCEPS, ROTATING, DISMANTLING WITHOUT CONNECTOR PIN FOR COAGULATION, DOUBLE ACTION JAWS FOR RETRIEVING GALLSTONES	10 mm is available only at a minimum 36 cm length.		<b>Ok, Accepted</b>
25	CLAW FORCEPS 10 MM, 2/3 CLAWS, Length 30 cm or more	10 mm is available only at a minimum 36 cm length.		<b>Ok , Accepted</b>
26	NEEDLE HOLDER CURVED RIGHT WITH AUXILIARY ALIGNED HANDLE 5 MM DIA, WORKING LENGTH 250-300 MM COMPLETE WITH INNER SHEATH AND HANDLE.	Make change in range from 250 to 350 mm as smaller length needle holders are no available.		<b>Accepted</b>
27	NEEDLE HOLDER STRAIGHT	Make change in range from 250 to		<b>OK, Accepted</b>

	RIGHT WITH AUXILIARY ALIGNED HANDLE 5MM DIA, WORKING LENGTH 250-300 MM COMPLETE WITH INNER SHEATH AND HANDLE	350 mm as smaller length needle holders are no available.	
30	BIPOLAR GRASPING FORCEPS 5.0-5.5 MM DIA, WORKING LENGTH 250-300 MM	Make change in working length range from 250 to 360 mm	OK Accepted

3) OLYMPUS

S.NO	Existing specification	To be changed to	Amendment/Response
	<b>2. LED Light Source</b>		
	<b>3. Should be powerful LED light source equivalent to 175 or more to adequate brightness and true color reproduction.</b>	<b>We request you Kindly Amend it as:</b> Should be powerful LED light source equivalent to 300 watt or more to adequate brightness and true color reproduction.	Accepted
	4. Should have 2100 lumen or more	<b>We request you kindly delete it</b>	OPTIONAL
	<b>3. 32' or more 4k Medical grade monitor; 2 Nos one for operating surgeon and other for assistant</b>		<b>32" or more 4K monitor for operating surgeon and for Assistant 32" full HD medical grade monitor Trolley/ Pendant for fixing the monitor should be provided</b>
Kindly include: Should have A.I.M.E mode for visualization of structures with increased contrast & sharpness and clone out option			
	<b>4. Telescopes 10mm 30 Degree and 5mm 30 Degree 4K ICG Compatible - 02each.</b>		---- 01 each

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	Should have 3 types of adapters for fibre optic cable	<b>We request you Kindly amend it as:</b> Should have compatible adapters for reputed make fibre optic cable	<b>Accepted</b>
	. It should have chip on tip technology	<b>We request you kindly Delete, not applicable for Telescopes</b>	<b>ACCEPTED</b>
	<b>5. 45 l/min High Flow Insufflator</b>		
	. Should have neonatal/Pediatric, Bariatric/high flow mode	<b>We request you Kindly amend it as:</b> Should have modes for neonatal/ Pediatric, Bariatric surgery	<b>ACCEPTED</b>
	Should have facility of integrated heating CO2 gas	<b>We request you Kindly amend it as:</b> Should have facility of integrated/ external heating CO2 gas	<b>ACCEPTED</b>
	Six modes upgradeable visual and audible alarms with min 0.1 l flow rate.	<b>We request you Kindly amend it as:</b> Should have visual and audible alarms with min 0.1 l flow rate.	<b>ACCEPTED</b>
	<b>NOTE</b>		
	5. The bidder should quote at least available model which is available from OEM in global market as per specifications	<b>Latest model available</b>	<b>Typing error Bidder should quote latest available model present globally</b>
<b>Kindly Include:</b> Laparoscopy system should be ready to use for 3D.-----			<b>Preferable</b>
<b>Kindly Include:</b> Should have contrast visualization modes for easy recognition & differentiation of Fat, vessels & nodes			

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**There is no 4K camera Head and Light Guide cable included in tech specs. Kindly include its specs : Added below**

- **Specification of camera head:**

**Pixels 3840\*2160 pixels, Lens : integrated zoom lens f = 18-19mm, control buttons - 3 (2 of them freely programmable) and camera head should be able to perform both white light and near infrared application Should be autoclavable , light weight and electronic digital zoom facility.**

**It should be latest, Ultra-Hi Definition technology, Latest model globally and ergonomically designed with optical enhancement technology.**

**A latest Laptop with reporting / recording and editing software will be provided along with system.**

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