

For and on behalf of

ALL INDIA INSTITUTE OF MEDICAL SCIENCES  
ANSARI NAGAR, NEW DELHI-110029  
(Mother & Child Block)

Ref: HITES/PCD/MCH-AIIMS/RE/24-25/Prop-02


Date: 30-08-2024

**Subject: Proposal for Procurement of 'Laparoscopy system with advance (3D 4K Rubina system with VITOM)' For Dept. of Paediatric Surgery related to Mother and Child Hospital Block, AIIMS New Delhi-110029 on PAC basis and invitation of comments/objections against such procurement, if any, thereof.**

HLL Infra Tech Services Ltd. for and on behalf of Mother and Child Hospital Block, AIIMS, New Delhi is in the process of procuring of 'Laparoscopy system with advance (3D 4K Rubina system with VITOM)' (Mfg: M/s. KARL STORZ SE & CO KG, Germany thru' M/s. Snap Healthcare) on proprietary basis. The Proprietary Article Certificate submitted by OEM in this regard along with Departmental PAC certification are attached herein.

The above documents are being uploaded for open intimation to all principal manufacturers or their authorised distributors with the intention to invite comments and/or objections with regards to the proprietary nature of the aforesaid product, if any.

The comments/objections if any should be received in the office of **The Head (PCD), HLL Infra Tech Services Ltd. B/14 A, Sector-62, Noida, Uttar Pradesh-201301** within 15 days of issue of this advertisement with contact details and ref no. **HITES/PCD/MCH-AIIMS/RE/24-25/Prop-02**, failing which it will be presumed that no other bidder/manufacturer/vendor is having any comments/objection against the proposition and the case will be decided purely on merit.

  
AVP (PCD-I)

HLL Infra Tech Services Ltd., Noida

**Enclosures:**

- PAC by User Department
- Letter for Authorisation
- PAC from Manufacturer



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KARL STORZ Endoscopy India Private Ltd • 28, Barakhamba Road • New Delhi-110 001  
Dated: 24.05.2024

The Head of Department  
Paediatric Surgery  
AIIMS, Ansari Nagar  
New Delhi

**PROPRIETARY ARTICLE CERTIFICATE**

This is to certify that 3D4K ICG RUBINA system comprising of the following set TC201, TC304, TC302, TH121, TM450, TM351, TL400, 26606BCA, 26046ARA, 26046BRA, UI400S1, TH200, UR300, 495VTE, TC014, TC019, 28272VTK, 28272HB, 28172HR, 28272CN, 28272UGN, TC302, are manufactured only by and are proprietary products of M/s. KARL STORZ SE & Co. KG, Dr.-Karl-Storz-Straße 34 78532 Tuttlingen, Germany.

This system is comprising of TC201EN, TC304, 26606BCA, TH200, is capable of producing and is compatible with –

- 2 dimensional Endoscopic video image in 3840x2160 (4K) resolution with ICG
- 3 dimensional Endoscopic video image in 3840x2160 (4K) resolution with ICG
- 3 dimensional Exoscopic video image in 3840x2160 (4K)
- Video scopes and Chip-on-tip scopes

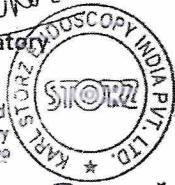
The Telescope 26606BCA with integrated camera head can perform both white light and Near Infra-red (NIR/ICG) application with 3D image in 4K resolution.

For KARL STORZ ENDOSCOPY INDIA PVT. LTD.



डॉ० सदीप अग्रवाला  
Dr. Sandeep Agarwala  
अचार्य एवं अध्यक्ष / Professor & Head  
बालरोग चिकित्सा विभाग / Dept. of Pediatric Surgery  
अ.भा.आ.सं. नई दिल्ली-29/AIIMS, New Delhi-29

Authorized Signatory



*Sandeep Agarwala*



डॉ० विशेश जैन  
Dr. Vishesh Jain  
अपर आचार्य / Additional Professor  
बाल रोग चिकित्सा विभाग / Department of Pediatrics Surgery  
अ.भा.आ.सं. नई दिल्ली-29/AIIMS, New Delhi-29



डॉ० देवेंद्र कुमार यादव  
Dr. Devendra Kumar Yadav  
अपर आचार्य / Additional Professor  
बाल रोग चिकित्सा विभाग / Department of Paediatric Surgery  
अ.भा.आ.सं. नई दिल्ली-29/AIIMS, New Delhi-29

*Devendra Kumar Yadav*



डॉ० अंजन धुवा  
Dr. Anjan Dhua  
अपर आचार्य / Additional Professor  
बाल रोग चिकित्सा विभाग / Department of Paediatric Surgery  
अ.भा.आ.सं. नई दिल्ली-29/AIIMS, New Delhi-29

*Anjan Dhua*

For SNAP HEALTHCARE

*Kirdhe*  
Proprietor



डॉ० गति दिवा  
Dr. Gati Divya  
सहायक आचार्य / Assistant Professor  
बाल रोग चिकित्सा विभाग / Department of Pediatrics Surgery  
अ.भा.आ.सं. नई दिल्ली-29/AIIMS, New Delhi-29

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Corporate & Registered Office:  
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CIN No: U33119DL1999PTC001006  
www.karlstorz.com

**ALL INDIA INSTITUTE OF MEDICAL SCIENCES  
ANSARI NAGAR, NEW DELHI - 110 029**

**Proprietary Article Certificate (PAC) (Machinery & Equipment)**


1	The indented goods are manufactured by	M/s Karl Storz SE & Co KG, Germany
2	Item Name:	Laparoscopic Surgery Set with High-Definition Camera with Exoscopy (3D in 4K resolution).with VITOM
3	Model No:	IMAGE1S (TIPCAM1) RUBINA
4	Vital technical performance parameters required which makes the requirement proprietary:	2D and 3D visualization of surgical field in rigid Endoscopy and Exoscopy in 4k resolution with 2D/3D image with new NIR/ICG Fluorescence modes.
5	No other make or model is acceptable for the following reasons	Proprietary product of M/s Karl Storz SE & Co KG, Germany having 2D and 3D visualization of surgical field in rigid Endoscopy and Exoscopy in 4k resolution with 2D/3D images with new NIR/ICG Fluorescence modes for best patient outcomes. . it is specific equipment /technology which does not available with any other manufacturer/supplier

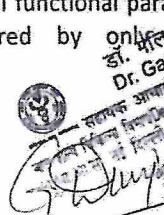
It is certified that market survey has been done and found that no other manufacturer is manufacturing similar/equipment specifications which can fulfill the vital requirements of end user.


  
 डॉ. विशेश जैन  
 Dr. Vishesh Jain  
 अवर अचार्य/Additional Professor  
 बाल शल्य चिकित्सा विभाग/Department of Pediatric Surgery  
 अ.भा.आ.स. नई दिल्ली-29/A.I.I.M.S. New Delhi-29


Signature of TSEC  
 with Name, Designation, Department  
 and Hospital/Institute/DGHS

Note 1: TSEC should clearly mention the vital functional parameters requirements which end user essentially require and are manufactured by only one manufacturer mentioned in serial no. 1.

  
 डॉ. दिव्येंद्र कुमार यादव  
 अवर अचार्य/Additional Professor  
 बाल शल्य चिकित्सा विभाग/Department of Pediatric Surgery  
 अ.भा.आ.स. नई दिल्ली-29/A.I.I.M.S. New Delhi-29

  
 डॉ. गाली दिव्या  
 अवर अचार्य/Assistant Professor  
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 डॉ. अंजन चूआ  
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SECTION - XIII  
MANUFACTURER'S AUTHORISATION FORM

Dated: 3.2.2023

The Director  
All India Institute of Medical Sciences Ansari Nagar,  
New Delhi-110029, India.

Dear Sir,

Ref: Your Requirement of Proprietary Laparoscopy Surgery System with HD Camera System( Automated Visualization and Control System) Model RUBINA and VITOM manufactured by KARL STORZ, Germany for Paediatric Surgery Department .

Dear Sir

We, KARL STORZ India Endoscopy India Pvt Ltd , 100% wholly owned subsidiary of KARL STORZ SE & CO KG Germany who are proven and reputable manufacturers of RUBINA, VITOM, Endovision Systems having factories at Switzerland, Estonia, Japan and Germany , hereby authorize Messrs Snap Healthcare having Address at 1/4734 ,OL D 19A,GF,Street No 05,Balbir Nagar Extension, Shahdara, Delhi -110032 to submit a bid, process the same further and enter into a contract with you against your requirement as contained in the above referred TE documents for the above goods manufactured by us.

We also state that we are not participating directly in this bid for the following reason(s): Company has decided to quote the Tender through their Authorized dealer.

We further confirm that no supplier or firm or individual other than Messrs. Snap Healthcare having Address at 1/4734 ,OLD 19A,GF,Street No 05,Balbir Nagar Extension, Shahdara, Delhi -110032 is authorized to submit a bid, process the same further and enter into a contract with you against your requirement as contained in the above referred TE documents for the above goods manufactured by us. We also hereby extend our full warranty, CAMC as applicable as per clause 15 of the General Conditions of Contract, read with modification, if any, in the Special Conditions of Contract for the goods and services offered for supply by the above firm against this TE document.

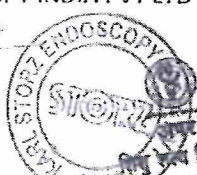
We also hereby confirm that we would be responsible for the satisfactory execution of contract placed on the authorized agent and the spares for the equipment shall be available for at least 10 years from the date of supply of equipment.

We also confirm that the price quoted by our agent shall not exceed the price which we would have quoted directly"

FOR KARL STORZ ENDOSCOPY INDIA PVT LTD

AUTHORIZED SIGNATORY

Dr. Ajay Verma  
KARL STORZ Endoscopy India Private Ltd  
11<sup>th</sup> Floor, Barakhamba Road, New Delhi-110001  
28, Barakhamba Road, New Delhi-110001  
Paediatric Surgery Department  
File No: 22-23 (Computer No. 3209956)



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Additional Professor  
Department of Paediatric Surgery  
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Dr. Prabhudh Goel  
Additional Professor  
Department of Paediatric Surgery  
All India Institute of Medical Sciences, New Delhi-29



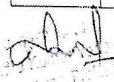
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Department of Paediatric Surgery  
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**Laparoscopic Surgery Set with High-Definition Camera with 3D in 4k Resolution  
along with ICG and Exoscope**

S. No	Technical Specification
1	<p>Processor should have following</p> <ul style="list-style-type: none"> <li>Processor for following should be quoted.:                             <ul style="list-style-type: none"> <li>a) 2- Dimensional endoscopic video camera in 4K resolution (3840*2160)</li> <li>b) 3-Dimensional endoscopic video camera in 4K resolution (3840 *2160)</li> </ul> </li> <li>System should have facility for Optical Contrast Differentiation System, and it Should have special filter for observation of capillary vessels and fine patterns in the superficial layer of mucosa for early detection of lesions.</li> <li>System Should be capable of Near Infrared fluorescence Imaging (ICG application) with below features:                             <ul style="list-style-type: none"> <li>a) Overlay: White light image with superimposed display of NIR/ICG fluorescence. Possible to select the preferred color for NIR/ICG imaging:                                     <p>Either blue or green.</p> </li> <li>c) Monochromatic: NIR/ICG fluorescence signal in white. Background in black for maximum contrast.</li> <li>d) Intensity Map: White light image with superimposed display of NIR/ICG fluorescence. NIR/ICG signal display will appear in different colors depending on the strength of the detected NIR signal.</li> </ul> </li> <li>Picture in Picture of visualization modes with Standard and Optical Contrast Differentiation.</li> <li>Automatic adjustment of light intensity of light source and controlled from Camera head.</li> <li>Outputs: All Compatible outputs should be there (12GSDI, D.P) for 4K resolution and DVI for HD resolution.</li> </ul>
2	<p>55 Inch Monitor or more – QTY 1</p> <p>Should have all in one Medical Grade Monitor capable of displaying following</p> <ul style="list-style-type: none"> <li>3D in 4K resolution</li> <li>2D in 4K resolution</li> <li>2D in Full HD resolution</li> <li>3D in Full HD resolution</li> </ul> <p>Should be supplied with 3D glasses – 10 Nos</p> <p>Should have Certified to: ANSI/AAMI ES60601-1:2005, UL 60601-1, CAN/CSA C22.2 NO.60601-1:14 und EN 60601-1.CE label according to MDD, class I.</p>
3	<p>32 Inch Monitor or more – QTY 1</p> <p>Should have all in one Medical Grade Monitor capable of displaying:</p> <ul style="list-style-type: none"> <li>3D in 4K resolution</li> <li>2D in 4K resolution</li> <li>2D in Full HD resolution</li> <li>3D in Full HD resolution</li> </ul> <p>Certified to: ANSI/AAMI ES 60601-1:2005, UL 60601-1, CAN/CSA C22.2 NO.60601-1:14 und EN 60601-1.</p>

	CE label according to MDD, class I.
4	<p><b>LED Light source with Fiber optic cable</b></p> <ul style="list-style-type: none"> <li>• Should have Lumen &gt;2000</li> <li>• Should have Lamp life of approx.. 30,000 hrs. Or more</li> <li>• Should have 4.8mm Fiber Optic Cable and 300cm or more Long</li> <li>• Should have touch display which provides an intuitive &amp; user-friendly interface that directly displays relevant data</li> <li>• Led light should be LASER Free.</li> <li>• Lamp type: High-performance LEDs, white light LED and near infrared LED, which are active individually or simultaneously.</li> </ul> <p>Certified To: - IEC 601-1 &amp; UL 544 CE According to MDD, protection class 1/CF</p>
5	<p><b>IMAGE/VIDEO RECORDING ,DATA ARCHIVING , SIGNAL MANAGEMENT &amp; STREAMING</b></p> <p><b>Recording:</b></p> <ul style="list-style-type: none"> <li>• Medical grade documentation unit with CE.</li> <li>• Controllable via Touch screen of size 10" or more.</li> <li>• Capture video &amp; images in 4K, UHD, Full HD , 3D &amp; audio files.</li> <li>• Internal storage of 2TB &amp; more.</li> <li>• Should have minimum of 8 inputs and 8 outputs.</li> <li>• All inputs and outputs should be capable of routing 4K,3D and Full HD signals in native resolution.</li> <li>• USB support for storage on USB drives.</li> <li>• Supports network storage on file servers.</li> <li>• Offer two channel simultaneous recording for still images &amp; videos.</li> <li>• Shall have HL7 connectivity.</li> <li>• Shall have DICOM connectivity.</li> <li>• WHO certified Patient Safety Checklist.</li> </ul> <p><b>Streaming:</b></p> <ul style="list-style-type: none"> <li>• Surgical video &amp; image unicast streaming in Full High Definition (1920 X 10290) over local area network to multiple participants.</li> <li>• Offer Bi-directional video transmission &amp; bi-directional audio transmission over LAN.</li> <li>• Streaming picture with telestration and controllable to all participants.</li> </ul>
6	<p><b>4K Camera Head should have following specifications</b></p> <p><b>Technical Specifications:</b></p> <p>Pixels: 3840 X 2160 Pixels</p> <p>AGC: Microprocessor controlled</p> <p>Lens: Integrated Zoom Lens f = 19 mm</p> <p>Color Space: BT.2020 emulation</p> <p>Control buttons: 3 (2 of them freely programmable).</p> <ul style="list-style-type: none"> <li>• Camera Head Should be able to perform both White light and Near-Infrared application.</li> </ul>


  
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 Assistant Professor
   
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 Dr. Vishesh Jain
   
 Assistant Professor
   
 Department of Pediatric Surgery
   
 All India Institute of Medical Sciences, New Delhi

7	TELESCOPES for 2D should have
	Telescopes with the 4K system should be quoted with Dimensions as below for White light and Near Infrared application. 5mm 0 Degree ,30 Degree with 300cm or more working Length – Each 1 QTY
8	Telescopes for 3D in 4K resolution with integrated camera head
	<ul style="list-style-type: none"> <li>• 3D imaging via two distal 4K sensors</li> <li>• Camera and Telescopes should be one piece</li> <li>• 10mm 30 degrees</li> <li>• Switching of 3D to 2D can be done</li> <li>• Free from Focus and Depth of Filed should be 30-200mm</li> <li>• Autoclavable.</li> <li>• Sterilization tray for the scope should be quoted.</li> <li>• 3D Should be able to perform both White light and Near Infrared application.</li> </ul>
9	Telescope with Variable angles
	10mm Telescope for laproscopic use with variable angles of 0 to 90 degree in one telescope.
10	Telescope with Holding assembly for OPEN Surgery
	<ul style="list-style-type: none"> <li>• Great depth of field</li> <li>• Large working distance</li> <li>• Compact Design</li> <li>• Ideal system for teaching and training</li> <li>• Straight forward telescope 0 degree, working distance 25-75 cm , length 11cm, integrated illuminator with fiber optic light transmission incorporated.</li> <li>• Exoscope should be compatible with ICG Fluorescence guided imaging by Near Infra-Red (NIR) light.</li> <li>• Autoclavable Holding arm for the same</li> </ul>
11	Smoke Evacuation System.
	<ul style="list-style-type: none"> <li>• The unit should have option of integration with other devices like suction pumps for smoke evacuation during Lap surgeries or for morcellation during endourology application.</li> <li>• Automatic Smoke Evacuation System should be supplied with suitable accessories and filters.. The Smoke Evacuation should be activated automatically as soon as the HF unit is being used.</li> </ul>
12	Should be supplied with Endo insufflator having flow max flow of 50lt/min with touch screen for easy setting changes.
13	Equipment Cart from Same manufacturer Should be Quoted for all the above Items
14	Should be US FDA approved / BIS Approved/CE Approved
15	Should have warranty for 5 years on main equipment and should quote price of CAMC for next 5 year

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 Dr. Gali Divya, Assistant Professor, Department of Pediatric Surgery, All India Institute of Medical Sciences, New Delhi-110029.
   
 Dr. Anjan Chandra, Professor & Head, Department of Pediatric Surgery, All India Institute of Medical Sciences, New Delhi-110029.