

HSCC/Medical Equipment/SJH

Date: 31<sup>th</sup> Jan. 2017

**AMENDMENT-IV**

**Ref.: IFB No. HSCC/SJH/Medical Equipment/2016/25 Dated 23.12.2016**

**Sub.: Procurement of Medical Equipment for New Emergency Block & Super- Specialty Block at Safderjung Hospital, New Delhi.**

It is informed that Amendment of **item No. 8, Laproscopic** Surgical Instruments have been received from Safdarjung Hospital (as enclosed) in view of the pre bid meeting queries submitted by the prospective bidders. These are to be uploaded on the website today and it proposed to revise the bid submission date from 31.01.2017 to 7.02.2017 for item No.8. Pre bid queries are being examined for item no. 1,2 in safdarjung Hospital the bid submission date extend from 31.01.2017 to 7.02.2017.And due to inadequate response for item no. 3,4,10,11, the bid submission date extend from 31.01.2017 to 7.02.2017.

**Ref: Tender No. HSCC/SJH/Med.Eqpt./2016/25 dt. 23.12.2016**

**Sub: Procurement of Medical Equipment for New Emergency Block at Safdarjung Hospital, New Delhi.**

**Item S.No.08: Laparoscopic Surgical Instruments**

**The following all the amendment in the pre bid queries of 1 Set of Laparoscopic Instruments. (The total requirement is of 6 Sets.) The pre bid was held on 3<sup>rd</sup> Jan. 2017 & the representation have been received subsequently.**

| <b>Amended Specification – After Pre-bid meeting/representation</b>   | <b>Amended Specifications/ Queries – After Pre-bid meeting/representation</b> |
|---|---|
| The system should be truly Digital High definition endoscopic system. The system should have the maximum Resolution of 1920 X 1080 pixels, progressive scan and the consistent use of 16: 9 formats for Input & Output to guarantee genuine HDTV.<br><b>A . Full High Definition Systems will consist of:</b> | <b>No Change</b>  |

|   |  |
|---|--|
| <p>1) Full HD Video Image Processor -1no<br/> 2) 3 Chip CCD / 3 Chip CMOS Full HD Camera Head -1no (autoclavable preferred). At least should be immercible in disinfectant solution. It should have optical zoom lens technology<br/> 3) Powerful 300 W LED/ 300W Xenon Light Source for better illumination – 1no<br/> 4) 26” Full HD Medical Grade Monitor-1no<br/> 5) High definition Telescope preferably Autoclavable- 1no -each of 10mm 0 and 30 degree, 5mm 0 and 30 degree<br/> 6) Light Guide Cable-1no<br/> 7) High Flow Insufflator- 40 Liters and above -1no<br/> 8)Trolley /Video Cart -1no<br/> 9)Suction-Irrigation unit - 1no<br/> 10)Carbon Dioxide Cylinder- 2no<br/> 11)Hand Instruments &amp; Other Accessories<br/> 12)Accessories, spares and consumables</p>   |  |
| <p>1) <b>Full HD Video Image Processor:</b> Should have following specification:</p> <ul style="list-style-type: none"> <li>• A full high definition processor should have resolution of 1920x1080 pixels with progressive scan technology in camera system.</li> <li>• Should have special filter light for observation of capillary vessels and fine patterns in the superficial layer of mucosa for early detection of lesions, Or Optical image enhancement to view the capillary vessels and fine patterns in the superficial layer mucosa for early detection and recurrence of lesions, or ICG compatible.</li> <li>• Should have a USB slot so as to take still pictures of Endoscope images. It should have 2 digital output ie DVI/HD MI. OR it should have external recorder.</li> <li>• Should have provision for adjusting brightness automatically during to &amp; fro of the scope movements.</li> </ul> | <p>1) <b>Full HD Video Image Processor:</b> Should have following specification:</p> <ul style="list-style-type: none"> <li>• A full high definition processor should have resolution of 1920x1080 pixels with progressive scan technology in camera system.</li> <li>• Should have special filter light for observation of capillary vessels and fine patterns in the superficial layer of mucosa for early detection of lesions, or ICG compatible.</li> <li>• Should have a USB slot so as to take still pictures of Endoscope images. It should have 2 digital output ie DVI/HD MI/HD-SDI. OR it should have external recorder.</li> <li>• Should have provision for adjusting brightness automatically during to &amp; fro of the scope movements.</li> </ul> |
| <p>2) <b>3 Chip CCD/CMOS Full HD Camera Head:</b> Should have following specification:</p>  | <p><b>No Change</b></p>  |

|  |  |
|--|--|
| <ul style="list-style-type: none"> <li>• The full HD camera head should be of Eye piece type &amp; have resolution of 1920x1080 pixels.</li> <li>• Should have Digital / Manual focus function which can be varied seamlessly from coarse to fine image.</li> <li>• Camera Head &amp; coupler should be one piece integrated/or with C Mount HD coupler. Separable C Mount coupler along with the camera head is acceptable.</li> <li>• The camera head should /must have integrated (one piece) inbuilt zoom and focus lens/rings to make it fully soak able for sterilization/ disinfection. C Mount coupler along with the camera head is acceptable.</li> </ul>  |  |
| <p>3) <b>Powerful 300W LED Or300W Xenon Light Source:</b> Should have following specification:</p> <ul style="list-style-type: none"> <li>• A Powerful 300W <b>LED Or 300W Xenon Light Source</b></li> <li>• Automatically adjust light intensity to achieve ideal illumination.</li> <li>• Should have special filter light for observation of capillary vessels and fine patterns in the superficial layer of mucosa for early detection of lesions, or ICG based function should be available.</li> <li>• Colour temperature of at least 5800 K</li> <li>• Manual and automatic adjustment of light intensity</li> <li>• Brightness control to be regulated manually or automatically via the output signal of a video camera</li> <li>• Lamp life 500 hrs or more for Xenon bulb</li> <li>• <b>Deleted</b></li> <li>• <b>Deleted</b></li> <li>• Electrical specifications <ul style="list-style-type: none"> <li>a. Power supply voltage: 100-240 VAC</li> <li>b. Power frequency: 50-60Hz</li> </ul> </li> <li>• The light source should comply with IEC 60601-1, belong to Class II a</li> </ul> | <p>3) <b>Powerful 300W LED Or300W Xenon Light Source:</b> Should have following specification:</p> <ul style="list-style-type: none"> <li>• A Powerful <b>LED equivalent to 300W Xenon Or 300W Xenon Light Source</b></li> <li>• Automatically adjust light intensity to achieve ideal illumination.</li> <li>• Should have special filter light for observation of capillary vessels and fine patterns in the superficial layer of mucosa for early detection of lesions, and ICG based function should be available for ICG compatible camera.</li> <li>• Colour temperature of at least 5800 K</li> <li>• Manual and automatic adjustment of light intensity</li> <li>• Brightness control to be regulated manually or automatically via the output signal of a video camera</li> <li>• Lamp life 500 hrs or more for Xenon bulb</li> <li>• <b>Deleted</b></li> <li>• <b>Deleted</b></li> <li>• Electrical specifications <ul style="list-style-type: none"> <li>c. Power supply voltage: 100-240 VAC</li> <li>d. Power frequency: 50-60Hz</li> </ul> </li> </ul> |

|   |  |
|---|--|
| with CE mark  | <ul style="list-style-type: none"> <li>The light source should comply with IEC 60601-1, belong to Class II a with CE mark</li> </ul> |
| <p>4) <b>26" Full HD Medical Grade Monitor:</b> Should have following specification:</p> <ul style="list-style-type: none"> <li>26 inch full true HD Medical Grade Monitor with LED backlit with high resolution 1920x1080</li> <li>Aspect ratio 16:9</li> <li>Should have multi -modality display compatibility, including Picture-in-Picture for various image size combinations.</li> <li>Should have eco -friendly consumption by low power consumption, various powers saving mode, lightweight and thin body.</li> <li>Should have advance Image Multiplier Enhancer to enhance image quality.</li> <li>System should be dual channel digital input and output DVI/ HDMI</li> <li><b>Deleted</b></li> </ul> | <b>No Change</b>   |
| <p>5) <b>Telescope:</b> Should have following specifications:</p> <ul style="list-style-type: none"> <li>10mm, 0 &amp; 30 degree – 1No each (approx. 30-35 cm long)</li> <li>5mm, 0 &amp; 30 degree – 1No each (approx. 27-30 cm long)</li> <li>Completely distortion free.</li> <li>HD Optics for better contrast &amp; color reproduction.</li> <li>Large field of view and depth of focus.</li> <li>Fully Autoclavable type preferably.</li> <li>Color coded.</li> <li>Telescope optic should be compatible to FULL High Definition camera for better contrast &amp; color reproduction.</li> </ul>  | <b>No Change</b>   |
| <p>6) <b>Light Guide Cable</b></p> <ul style="list-style-type: none"> <li>It should have High resistance protection against mechanical and thermal stress</li> <li>It should have small bending radius for comfortable use</li> <li>It should be 3 Meter or more in Length<br/>Should be European CE/USA-FDA compliant.</li> </ul>  | <b>No Change</b>   |
| <p>7 <b>High Flow CO2 Gas Insufflator unit</b> – 40L/per minute or more</p> <ul style="list-style-type: none"> <li>Should be digital, microprocessor controlled &amp; automatic type</li> </ul>   | <b>No Change</b>   |

|   |   |
|---|---|
| <ul style="list-style-type: none"> <li>• Large digital display on front panel for status checking</li> <li>• Powerful Insufflation flow rate of 40 L/Min or more required.</li> <li>• Automatic feedback control for any malfunction.</li> </ul>  |   |
| <p><b>8) Trolley (video cart) should be supplied for the system</b></p> <ul style="list-style-type: none"> <li>• Should be from original equipment manufacturer (OEM) and should be imported</li> <li>• Made of Stainless Steel/ Epoxy coated metal with minimum 4 shelves.</li> <li>• Portable on 4 antistatic dual castors, 2 with locking brakes</li> <li>• Should have minimum 4 shelves</li> <li>• Should have storage for CO2 gas cylinder holder or portable separate holder.</li> <li>• Should be from OEM</li> <li>• Trolley should be able to hold monitor with tilt and swivel accordingly.</li> <li>• Should have anti- static strong wheels</li> </ul> | <p><b>8) Trolley (video cart) should be supplied for the system</b></p> <ul style="list-style-type: none"> <li>• Should be from original equipment manufacturer (OEM) and should be imported</li> <li>• Made of Stainless Steel/ Epoxy coated metal with minimum 4 shelves.</li> <li>• Portable on 4 antistatic dual castors, 2 with locking brakes</li> <li>• Should have minimum 4 shelves</li> <li>• Should have storage for CO2 gas cylinder holder or portable separate holder.</li> <li>• Should be from OEM</li> <li>• Trolley should be able to hold monitor with tilt and swivel accordingly.</li> <li>• Should have anti- static strong wheels</li> </ul> |
| <p><b>9) SUCTION-IRRIGATION UNIT :</b></p> <ul style="list-style-type: none"> <li>• Controlled suction and irrigation unit with flow rate of at least 1L/min.</li> <li>• Irrigation pressure control between 0-400 mm Hg, preferably by roller pump /compact pump.</li> <li>• <b>Deleted</b></li> <li>• Control from control panel and /or foot pedal</li> <li>• Main unit with digital /manometer display</li> <li>• Overflow protection on suction bottles</li> <li>• Accessories should include silicone tubing set with reusable pressure domes, bacterial filter and suction bottles with cap (minimum 5 ltrs.)</li> </ul>                                     | <p><b>9) SUCTION-IRRIGATION UNIT :</b></p> <ul style="list-style-type: none"> <li>• Controlled suction and irrigation unit with flow rate of at least 1L/min.</li> <li>• Irrigation pressure control between 0-400 mm Hg, preferably by roller pump /compact pump.</li> <li>• <b>Deleted</b></li> <li>• Control from control panel and /or foot pedal</li> <li>• Deleted</li> <li>• Overflow protection on suction bottles</li> <li>• Accessories should include silicone tubing set with reusable pressure domes, bacterial filter and suction bottles with cap (minimum 2-5 ltrs.)</li> </ul>   |
| <p><b>10) CARBON DIOXIDE CYLINDER - TWO</b><br/>Two large size cylinders with required regulators and connecting pipe to the insufflators with pressure gauze. Minimum B type 20Kg capacity with separate mobile stand for it. Indian make is acceptable.</p>   | <p><b>No Change</b></p>   |
| <p><b>11) HAND INSTUMENTS</b> should be made of plastic/metallic handle</p>   | <p><b>11) HAND INSTUMENTS</b> should be made of plastic/metallic handle</p>   |

| S.N | Instrument                                  | Specification   | Qty      | S.N | Instrument   | Specification  | Qty      |
|-----|---|---|----------|-----|--|--|----------|
| 1.  | Reusable Veress Pneumoperitoneum Needle     | Spring loaded Length – 10-12cm<br>Blunt stylet<br>Luer lock - 15 cm   | 02<br>02 | 1.  | Reusable Veress Pneumoperitoneum Needle<br>European CE/US FDA of other make acceptable | Spring loaded <u>Length – 10-12cm</u><br>Blunt stylet<br>Luer lock - 15 cm<br><u>Length – 10-12cm</u><br>Length – 15cm   | 02<br>02 |
| 2   | Reusable Trocar :- 5mm                      | Multifunctional valve/flap valve, insufflations stopcock and smooth sleeves, pyramidal tip, length (10.5cm), autoclavable   | 08       | 2   | Reusable Trocar :- 5mm   | No Change  |          |
| 3   | Reusable Trocar :- 10/11 mm                 | Multifunctional valve/flap valve, insufflations stopcock and smooth sleeves, pyramidal tip, length (10.5cm), autoclavable   | 05       | 3   | Reusable Trocar :- 10/11 mm  | No Change  |          |
| 4   | Same as point no. 2                         |   |          | 4   | Same as point no. 2  | No Change  |          |
| 5   | Reusable Trocar :- 13.5mm                   | Multifunctional valve, insufflations stopcock and smooth sleeves, pyramidal tip with safety outlet hole near tip, length (10.5cm), autoclavable, size 13 to 14mm                  | 02       | 5   | Reusable Trocar :- 13.5mm<br>European CE/US FDA of other make acceptable               | Multifunctional valve, insufflations stopcock and smooth sleeves, pyramidal tip with safety outlet hole near tip, length (8 - 10.5cm), autoclavable, size 13 to 14mm | 02       |
| 6   | Two ways Suction and Irrigation cannula     | a- Size 5mm, length 32-38cm, used with suction and irrigation handle and handpiece with stopcock<br>b- Size 10 mm, length 32-38 cm  | 01<br>01 | 6   | Two ways Suction and Irrigation cannula<br>European CE/US FDA of other make acceptable | a- Size 5mm, length 32-38cm, used with suction and irrigation handle and handpiece with stopcock<br>b- Size 10 mm, length 32-38 cm                                   | 01<br>01 |
| 7   | Tissue Grasping forceps – toothed 2x3 teeth | Double action jaws of 18-24 mm, rotating with connector pin for unipolar coagulation, size 5mm, length 33-36cm, dismantling facility, plastic handles with ratchets, autoclavable | 01       | 7   | Tissue Grasping forceps – toothed 2x3 teeth  | No Change  |          |

|    |  |  |    |    |  |   |    |
|----|--|--|----|----|--|---|----|
| 8  | Tissue Grasping forceps – toothed 2x3 teeth      | Single action jaws of 28-35 mm, rotating with connector pin for unipolar coagulation, size 5mm, length 33-36cm, dismantling facility, plastic handles with ratchets, autoclavable  | 01 | 8  | Tissue Grasping forceps – toothed 2x3 teeth      | No Change   |    |
| 9  | Maryland forceps                                 | Double action jaws with size 14-18 mm, rotating with connector pin for unipolar coagulation, size 5mm, length 33-36cm, dismantling facility, plastic handles without ratchets, autoclavable  | 02 | 9  | Maryland forceps                                 | No Change   |    |
| 10 | Grasping forceps                                 | Double action jaws, spoon shaped with multiple teeth of jaw length 18-30 mm and rotating with connector pin for unipolar coagulation, size 5mm, length 33-36cm, dismantling facility, plastic handles without ratchets, autoclavable | 01 | 10 | Grasping forceps                                 | No Change   |    |
| 11 | Dissecting and Grasping forceps – Alligator type | Double action jaws, rotating with connector pin for unipolar coagulation, size 5mm, length 33-36cm, dismantling facility, plastic handles with ratchets, autoclavable  | 01 | 11 | Dissecting and Grasping forceps – Alligator type | No Change   |    |
| 12 | Dissecting and Grasping forceps                  | Single action jaws, of 16-20 mm, rotating with connector pin for unipolar coagulation, size 5mm, length 33-36cm, dismantling facility, plastic handles without ratchets, autoclavable  | 01 | 12 | Dissecting and Grasping forceps                  | Single action jaws, of 16-24 mm, rotating with connector pin for unipolar coagulation, size 5mm, length 33-36cm, dismantling facility, plastic handles without ratchets, autoclavable | 01 |
| 13 | Grasping forceps Atraumatic – Reddick Olsen type | Double action jaws, with fine serrations on jaw length 12-18 mm and rotating with connector pin for unipolar coagulation, size 5mm, length 33-36cm, dismantling facility, plastic handles without ratchets, autoclavable             | 01 | 13 | Grasping forceps Atraumatic – Reddick Olsen type | No Change   |    |
| 14 | Grasping forceps – Fenestrated                   | Single action straight jaw of 24-26mm length with fine serrations and  | 01 | 14 | Grasping forceps – Fenestrated                   | No Change   |    |

|    |                                   |   |    |    |                                   |   |    |
|----|-----------------------------------|---|----|----|-----------------------------------|---|----|
|    |                                   | fenestration, rotating, size 5mm, length 33-36cm, dismantling facility, plastic handles with ratchet, autoclavable  |    |    |                                   |   |    |
| 15 | Grasping forceps – Fenestrated    | Single action curved jaws of 35-40mm length with fine serrations and fenestration, rotating, size 5mm, length 43-46cm, dismantling facility, plastic handles with ratchet, autoclavable | 01 | 15 | Grasping forceps – Fenestrated    | Single action jaws of 40mm length with fine serrations and fenestration, rotating, size 5mm, length 33-36cm, dismantling facility, plastic handles with ratchet, autoclavable | 01 |
| 16 | Babcock Grasping forceps- (5 mm)  | Double action jaws, atraumatic fenestrated, rotating, size 5mm, length 33-36cm, dismantling facility, plastic handles with ratchet, autoclavable  | 01 | 16 | Babcock Grasping forceps- (5 mm)  | No Change   |    |
| 17 | Babcock Grasping forceps- (10 mm) | Double action robust jaws with large atraumatic gripping surface, rotating, size 10mm, length 33-36cm, dismantling facility, plastic handles with ratchet, autoclavable                 | 01 | 17 | Babcock Grasping forceps- (10 mm) | No Change   |    |
| 18 | Dissecting and Grasping Forceps   | Single action, atraumatic, fenestrated, curved jaws of length 25-30mm, rotating, size 5mm, length 33-36cm, dismantling type, plastic handles with ratchet, autoclavable                 | 01 | 18 | Dissecting and Grasping Forceps   | No Change   |    |
| 19 | Dissecting Forceps- Right Angled  | Double action jaws, rotating with connector pin for unipolar coagulation, size 5mm, length 33-36cm, dismantling facility, plastic handles without ratchet, autoclavable                 | 01 | 19 | Dissecting Forceps- Right Angled  | No Change   |    |
| 20 | Fan shaped retractor              | Rotating with 4-5 blades, size 5mm, length 33-36cm, dismantling facility. other makes European CE also acceptable including Indian  | 01 | 20 | Fan shaped retractor              | No Change   |    |
| 21 | Hook Scissors                     | Double action jaws, rotating with connector pin for unipolar coagulation, size 5mm, length 33-36cm, dismantling   | 02 | 21 | Hook Scissors                     | No Change   |    |



|    |   |  |              |    |   |                             |    |
|----|---|--|--------------|----|---|-----------------------------|----|
|    |   | facility, autoclavable   |              |    |   |                             |    |
| 22 | Rotating Metzenbaum Scissors                | a- Double action jaws of length 14-16mm, rotating with connector pin for unipolar coagulation, size 5mm, length 33-36cm, dismantling facility, autoclavable<br><br>b- Insert of Metzenbaum scissors                      | 02<br><br>02 | 22 | Rotating Metzenbaum Scissors                  | No Change                   |    |
| 23 | Bipolar coagulating forceps                 | Wide jaws for dissection, grasping large vessels, size 5mm, length 33-36cm fenestrated. Jaws with robust hinge and 360 degree rotational, ring handles, can be completely disassembled and a cleaning port, autoclavable | 01           | 23 | Bipolar coagulating forceps                   | No Change                   |    |
| 24 | Spoon Forceps                               | 10 mm size, without ratchet  | 01           | 24 | Spoon Forceps<br>Other makes of CE acceptable | 10 mm size, without ratchet | 01 |
| 25 | Reusable Hem-o-lock clip applicator         | Reusable Hem-o-lock clip applicator - 10 mm size. Other makes European CE/FDA also acceptable  | 01           | 25 | Reusable Hem-o-lock clip applicator           | No Change                   |    |
| 26 | Bipolar coagulating forceps (Only Insert)   | Maryland type jaw of 18-20 mm length, and 34-36cm long to fit into the other part of No. 23, autoclavable  | 01           | 26 | Bipolar coagulating forceps (Only Insert)     | No Change                   |    |
| 27 | Needle Aspirator                            | Size 5mm, length 30-36 cm, Needle diameter of 1.5-2mm  | 01           | 27 | Needle Aspirator                              | No Change                   |    |
| 28 | Needle holder (Disengageable, coaxial type) | Size 5mm, tungsten carbide tip, straight handle with ratchet, single moving with curved tip to left, length 33-36cm. Other makes European CE/US FDA also acceptable  | 01           | 28 | Needle holder (Disengageable, coaxial type)   | No Change                   |    |
| 29 | Needle holder insert (straight type)        | Size 5mm, tungsten carbide tip, single moving straight jaws, length 33-36cm.   | 01           | 29 | Needle holder insert (straight type)          | No Change                   |    |

|    |                                |   |               |    |   |  |         |
|----|--------------------------------|---|---------------|----|---|--|---------|
| 30 | Extracorporeal knot pushers    | Closed Eye type, length 28-32cm, size 3mm   | 01            | 30 | Extracorporeal knot pushers   | No Change  |         |
| 31 | Endoloop applicator            | To fit into trocar size of 6 mm   | 01            | 31 | Endoloop applicator   | No Change  |         |
| 32 | Clip Applicator – Medium Large | Rotatable, provision for locking the shaft conveniently, 10mm, compatible with clip LT 300  | 01            | 32 | Clip Applicator – Medium Large  | No Change  |         |
| 33 | Clip Applicator - Large        | Rotatable, provision for locking the shaft conveniently, 10mm, compatible with clip LT 400  | 01            | 33 | Clip Applicator – Large other makes European CE or US FDA approved acceptable | Rotatable, provision for locking the shaft conveniently, 10mm, compatible with clip LT 400 | 01      |
| 34 | Hassan cone                    | Adaptable to 10mm trocar  | 01            | 34 | Hassan cone   | No Change  |         |
| 35 | Reduction Sleeves / Extractors | From 10/ 11 mm to 5mm, metallic Other makes European CE/FDA also acceptable                 | 01            | 35 | Reduction Sleeves / Extractors  | No Change  |         |
| 36 | Reducers                       | From 10/ 11 mm to 5mm   | 03            | 36 | Reducers  | No Change  |         |
| 37 | L - Hook                       | Size 5mm, length 33-36cm with pin for cautery   | 02            | 37 | L - Hook  | No Change  |         |
| 38 | J - Hook                       | Size 5mm, length 33-36cm  | 02            | 38 | J - Hook  | No Change  |         |
| 39 | Spatula                        | Size 5mm, length 33-36cm with pin for cautery   | 01            | 39 | Spatula   | No Change  |         |
| 40 | Fascia closure instrument      | Size 2.8mm, length 17cm with single action jaw. Other makes European CE/FDA also acceptable | 01            | 40 | Fascia closure instrument   | No Change  |         |
| 41 | High Frequency Cord            | For 5mm & 10mm hand instruments with Monopolar Electrodes                                   | 02 each       | 41 | High Frequency Cord   | For 5mm & 10mm hand instruments  | 04 each |
| 42 | Washers                        | For 5 & 10 mm cannula and reducers  | 10 piece each | 42 | Washers   | No Change  |         |
| 43 | Fibreoptic Light cables        | With straight connectors of 4.8mm diameter and 250cm long                                   | 01            | 43 | Fibreoptic Light cables   | No Change  |         |
| 44 | Fibreoptic Light cables        | With straight connectors of 4.8mm diameter and 300cm long                                   | 01            | 44 | Fibreoptic Light cables   | No Change  |         |
| 45 | Light Adaptor                  | Angled 90 degree, diameter 4.8mm,   | 01            | 45 | Light Adaptor   | No Change  |         |

|    |                                    |  |    |    |  |                        |    |
|----|------------------------------------|--|----|----|--|------------------------|----|
|    |                                    | free rotatable, to connect with standard telescopes  |    |    |  |                        |    |
| 46 | Container systems: Metal & Plastic | For sterilization and storage of telescopes, hand instruments and other accessories of different sizes. Indian/European CE & FDA also acceptable | 03 | 46 | Container systems: Metal & Plastic                       | No Change              |    |
| 47 | Bipolar HF connecting cable        |  | 02 | 47 | Bipolar HF connecting cable                              | No Change              |    |
| 48 | Unipolar HF cables                 |  | 02 | 48 | Unipolar HF cables                                       | Deleted                | 02 |
| 49 | Hydatid suction cannula            | Indian makes also acceptable   | 01 | 49 | Hydatid suction cannula                                  | No Change              |    |
| 50 | Cleaning Brush                     | Length 35cm, 0.0-7mm   | 02 | 50 | Cleaning Brush Imported European CE or Indian acceptable | Length 35cm, 0.0-7mm   | 02 |
| 51 | Cleaning Brush                     | Length 35cm, 0.0-2.5mm   | 02 | 51 | Cleaning Brush Imported European CE or Indian acceptable | Length 35cm, 0.0-2.5mm | 02 |
| 52 | Cleaning Brush                     | Length 50cm, 0.0-11mm  | 02 | 52 | Cleaning Brush Imported European CE or Indian acceptable | Length 50cm, 0.0-11mm  | 02 |
| 53 | Cleaning Brush                     | Length 50cm, 0.0-7mm   | 02 | 53 | Cleaning Brush Imported European CE or Indian acceptable | Length 50cm, 0.0-7mm   | 02 |
| 54 | Oil dropper                        | No 38  | 02 | 54 | Oil dropper Imported European CE or Indian acceptable    | No 38                  | 02 |
| 55 | Silicon oil for                    | Bottle of 50ml   | 04 | 55 | Silicon oil for  | Bottle of 50ml         | 04 |

|  |   |   |    |                  |   |   |    |
|--|---|---|----|------------------|---|---|----|
|  | instruments   |   |    |                  | instruments<br>Imported European<br>CE or Indian<br>acceptable  |   |    |
| 56   | Special lubricant for<br>stopcocks                            | Indian /Other makes also acceptable   | 04 | 56               | Special lubricant for<br>stopcocks<br>Imported European<br>CE or Indian<br>acceptable                         | Indian /Other makes also acceptable   | 04 |
| 57   | Duraglit for<br>polishing metal<br>sheaths and<br>instruments | Indian /Other makes also acceptable   | 02 | 57               | Duraglit for polishing<br>metal sheaths and<br>instruments<br>Imported European<br>CE or Indian<br>acceptable | Indian /Other makes also acceptable   | 02 |
| 58   | Formalin chamber  | Made of Virgin acrylic 4.5mm thickness,<br>size 26" x 8" x 8" (LxBxH) with three<br>tray for sterilizing lap. set | 02 | 58               | Formalin chamber<br>Imported European<br>CE or Indian<br>acceptable   | Made of Virgin acrylic 4.5mm thickness,<br>size 26" x 8" x 8" (LxBxH) with three tray<br>for sterilizing lap. Set | 02 |
| <b>12(a) System Configuration Accessories, spares and consumables</b> <ul style="list-style-type: none"> <li>System as specified. But all the items should be of the same manufacturer of International repute only. All electronic devices should have CF protection. They should all be US FDA/ ECE approved unless otherwise specified.</li> <li>ACCESSORIES:- All possible accessories of the equipment should be quoted. The specific accessory and its quantity will be decided on the basis of actual requirement.</li> <li>The system should be capable of accepting standard accessories of major international brands, which should be specified and for which suitable adaptor, if required, is to be provided</li> <li>The codes and rates of all relevant individual accessories should be quoted separately with clear mention of period of validity of rates</li> </ul> |   |   |    | <b>No Change</b> |   |   |    |

|  |   |
|--|---|
| <p><b>12(b) Environmental factors</b></p> <ul style="list-style-type: none"> <li>• The unit shall be capable of being stored continuously in ambient temperature of 0-50 deg C and relative humidity of 15-90%</li> <li>• The unit shall be capable of operating continuously in ambient temperature of 10-40 deg C and relative humidity of 15-90%</li> </ul>   | <p><b>No Change</b></p>   |
| <p><b>12(c) Power Supply</b></p> <ul style="list-style-type: none"> <li>• Power input to be 220-240VAC, 50Hz fitted with Indian power-plug</li> <li>• Electronic Voltage corrector/stabilizer of appropriate ratings for power supply to the whole set meeting BIS standards/specifications. (Input 160-260 V and output 220-240 V and 50Hz)</li> <li>• UPS of adequate rating 2KVA with 60 minute backup for power supply to the system.</li> </ul>   | <p><b>No Change</b></p>   |
| <p><b>12(d) Standard &amp; Safety</b></p> <ul style="list-style-type: none"> <li>• Should be FDA, CE, UL or BIS approved product</li> <li>• Manufacturer and Supplier should have ISO certification for quality standards.</li> <li>• Electrical safety conforms to standards for electrical safety IEC 60601-1 General Requirements (or equivalent BIS Standard)</li> <li>• Shall meet internationally recognized standard for Electro Magnetic Compatibility (EMC) for electro medical equipment: IEC-60601-1-2: latest edition or Equivalent BIS) or should comply with 89/366/EEC; EMC- directive as amended</li> <li>• Certified to be compliant with IEC 60601-2-2 Medical electrical equipment part 2-2: particular requirements for the safety of equipment mentioned above – wherever applicable</li> </ul> | <p><b>No Change</b></p>   |
| <p><b>12(e) Training</b></p> <ul style="list-style-type: none"> <li>• Comprehensive training for staff of user department and support services till familiarity with the system for at least four weeks</li> </ul>   | <p><b>No Change</b></p>   |
| <p><b>12(f) Warranty &amp; Service</b></p> <ul style="list-style-type: none"> <li>• Comprehensive warranty for 5 years and 5 years Comprehensive</li> </ul>  | <p><b>12(f) Warranty &amp; Service</b></p> <ul style="list-style-type: none"> <li>• Comprehensive warranty for 5 years on main laparoscopic system and 5</li> </ul> |

|   |   |
|---|---|
| <p>Maintenance service after warranty. The cost of CMC must be quoted in the price bid.</p> <ul style="list-style-type: none"> <li>Percentage of up time guarantee of the equipment during warranty and CMC period for which commitment is to be given must be specified.</li> <li>Principal manufacturer must have registered service centre in India. After sales service must be provided in the city of installation. In situations requiring service/repair of the unit outside the city of Installation, the expenditure on account of this will have to be borne by the supplier.</li> </ul>   | <p>years Comprehensive Maintenance service after warranty. The cost of CMC must be quoted in the price bid. Hand instruments and accessories should be quoted with atleast 1 year warranty. The price of inserts, grasper, jaws and handles should be freezed for four year after the standard warranty of 1 year.</p> <ul style="list-style-type: none"> <li>Percentage of up time guarantee of the equipment during warranty and CMC period for which commitment is to be given must be specified.</li> <li>Principal manufacturer must have registered service centre in India. After sales service must be provided in the city of installation. In situations requiring service/repair of the unit outside the city of Installation, the expenditure on account of this will have to be borne by the supplier.</li> </ul>  |
| <p><b>12(g) Documentation</b></p> <ul style="list-style-type: none"> <li>Product Literature in original along with that of accessories and indigenous components if any photocopies /computer generated copies are not acceptable</li> <li>Statement of compliance with tender specifications with clear and unambiguous links to relevant portions of product literature /authentic document, which should be highlighted. Alternatives provided for noncompliant specifications with justification must be described in detail with supporting literature.</li> <li>Certificate of compliance with standards and approvals stated above</li> <li>Certificate of manufacturer /principal regarding authorization of service facility provided by the supplier</li> <li>List of equipment available in the Service centre for proving calibration and routine preventive maintenance support, as per manufacturer documentation in service/technical manual.</li> <li>List of important spare parts and accessories, which are required for maintenance and repair, with their part number and costing.</li> <li>Terms and conditions of warranty and CMC including schedules of visit by service personnel with check list of service to be carried out</li> <li>Commitment for supply of log book with check list for daily, weekly,</li> </ul> | <p><b>12(g) Documentation</b></p> <ul style="list-style-type: none"> <li>Product Literature in original along with that of accessories and indigenous components if any photocopies /computer generated copies are not acceptable</li> <li>Statement of compliance with tender specifications with clear and unambiguous links to relevant portions of product literature /authentic document, which should be highlighted. Alternatives provided for noncompliant specifications with justification must be described in detail with supporting literature.</li> <li>Certificate of compliance with standards and approvals stated above</li> <li>Certificate of manufacturer /principal regarding authorization of service facility provided by the supplier</li> <li>List of equipment available in the Service centre for proving calibration and routine preventive maintenance support, as per manufacturer documentation in service/technical manual.</li> <li>List of important spare parts and accessories, which are required for maintenance and repair, with their part number and costing.</li> <li>Terms and conditions of warranty and CMC including schedules of visit by service personnel with check list of service to be carried out</li> <li>Commitment for supply of log book with check list for daily, weekly,</li> </ul> |

|   |  |
|---|--|
| <p>monthly and quarterly preventive maintenance with contact details of service personnel along with the equipment. The job description of the hospital technician and company service engineer should be clearly spelt out in the log book.</p> <ul style="list-style-type: none"> <li>• List of users of quoted model with performance certificate from major hospitals</li> <li>• All the offered should be <b>US FDA &amp; European CE approved.</b></li> <li>• All equipment's should be from the same manufacturer unless otherwise mentioned.</li> <li>• The principal Company should have their own Service Centre in Delhi/ NCR</li> <li>• Comprehensive Warranty of all equipment's should be of 5 years and 5 years comprehensive maintenance service after warranty.</li> <li>• Cost of CMC must be quoted in price bid</li> <li>• All companies should quote their latest model of HD system.</li> </ul> | <p>monthly and quarterly preventive maintenance with contact details of service personnel along with the equipment. The job description of the hospital technician and company service engineer should be clearly spelt out in the log book.</p> <ul style="list-style-type: none"> <li>• List of users of quoted model with performance certificate from major hospitals</li> <li>• All the offered should be <b>US FDA &amp; European CE approved or as otherwise mentioned.</b></li> <li>• All equipment's should be from the same manufacturer unless otherwise mentioned.</li> <li>• The principal Company should have their own Service Centre in Delhi/ NCR</li> <li>• Comprehensive Warranty of main laparoscopic equipments should be of 5 years and 5 years comprehensive maintenance service after warranty.</li> <li>• Cost of CMC must be quoted in price bid</li> <li>• All companies should quote their latest model of HD system.</li> </ul> |
|---|--|

Amendment to be issued will be uploaded on websites [www.tenderwizard.com/HSCC](http://www.tenderwizard.com/HSCC) & [www.hsccltd.com](http://www.hsccltd.com).

All other tender terms and conditions remain unchanged.

**Medical Superintendent**  
**Safdarjang Hospital & VMMC, New Delhi.**