Amendment No. 3

Date: 24.03.2015

Subject: Amendment no. 3 to the Tender Enquiry Document

Ref: (i) Tender Enquiry No.: HLL/PCD/PMSSY-II/06/14-15 dated 12.01.2015 and subsequent amendments published thereafter.

The pre-bid meeting for the referred tender enquiry was held on 28/01/2015. Based on pre-bid discussions following amendments are being incorporated in the referred tender enquiry document.

Schedule No. 1

Video Endoscopy System with accessories

1. I. Upper GI Endoscope; Added Para: GI Scope should be capable of High Resolution chrome endoscopy images like NBI/SPIES etc.

2. III. Colonoscope; Added Para: Colonoscope should be capable of High Resolution chrome **endoscopy images like NBI/SPIES etc.**

3. Existing Para II.i: The system must be suitable for high resolution, high magnification images of GI tract with facility to provide images with optical chromo endoscopy

Read as: Deleted

4. Existing Para 5.d: Video signal output: RGB, Y/C and composite (all simultaneous)

Read as: Video signal output: RGB, Y/C, Composite, **DVI or DVI-D, HD-SDI**

5. Existing Para 6: Video Cart 1 NOS.

Read as: Video Cart **(Imported)** 1 NOS

6. Existing Para 7: Colour HD Video Monitor with video processing unit- 1 No.

Read as: Colour HD Video Monitor for video processer- 1 No

7. Added Para under Para 7: Should have video inputs: RGB, Y/C, Composite, DVI or DVI-D, HD-SDI.

Schedule No.2

C Arm for ERCP

1. **Existing Para 2.a:** Microprocessor controlled, high frequency x-ray generator not less than 6 Kw with minimum 50 KHz frequency.

   Read as: Microprocessor controlled, high frequency x-ray generator not less than **1.4 KW or more** with minimum **15 KHz or more** frequency

2. Existing Para 2.b: The generator should be capable of providing a boost or a high dose fluoroscopic exposure at least 9 mA.

Read as: The generator should be capable of providing a boost or a high dose fluoroscopic exposure at least **8 mA**

3. Existing Para 2.f: The x-ray generator should have the facility or half dose and **quarter dose fluoroscopy.**

Read as: The x-ray generator should have the facility **of** half dose

4. Existing Para 2.g: Fluoroscopy : 40-110kV; minimum 9mA.

Read as: Fluoroscopy : 40-110kV; minimum **8mA**

Schedule No.3

Fibroscan

1. Existing Para 5: The operating system should be windows based.

Read as: The operating system should be windows or **LINUX based**

Schedule No. 7

Color Doppler Echocardiography System with 3D Facility

1. Existing Para 3.3: Adult & Pediatric Trans thoracic Cardiac, TEE (Adult & Pediatric) and Vascular Probes to be supplied which should be latest generation wide band transducers.

Read as: Adult & Pediatric Trans thoracic Cardiac, TEE (**Adult - 3D and 2D capability) & Pediatric 3D or 2D capability**) and Vascular Probes to be supplied which should be latest generation wide band transducers.

2. Existing Para 3.8: Frame rate should be 300 FPS or more.

Read as: Frame rate should be **200 or more in color mode**.

3. Existing Para 4.4: Electronics Phased Array Probe for Vascular applications- 01.

Read as: Electronics **Linear** Array Probe for Vascular applications- 01.

4. Existing Para 4.5: Multi plane TEE Probe for Adult and Pediatric echocardiography —01 each.

Read as: Multi plane TEE Probe for Adult **(3D and 2D capability)** and Pediatric **(3D or 2D capability)** echocardiography —01 each.

5. Existing Para 4.5.a: 3D Volume Probe (5 MHz) has to be offered — 01No.

Read as: 4D Volume Probe **(1-4 MHz)** has to be offered — 01No.

Schedule No. 8

TMT Machine

1. Existing Para 2.1: System complete with PC, Software, TMT and necessary cables is required with Bluetooth enabled wireless ECG transmission module.

Read as: System complete with PC, Software, TMT and necessary cables is required with **digital wireless ECG transmission module**.

2. Existing Para 3.5: Automatic detection, display, Storage and review of arrhythmia, Heart Rate, Double Product and METS. It should have online HR METs and ST running trends available on the screen during exercise.

Read as: Deleted.

3. Existing Para 3.7: System should have full disclosure play back, review and storage of patient ECG raw data for unlimited numbers depending upon size of the hard disk. **The unit should have the ability to readjust "J-ST" interval measurement + 1 m sec points and generate a new report from stored raw ECG data.**

Read as: System should have full disclosure play back, review and storage of patient ECG raw data for unlimited numbers depending upon size of the hard disk.

Schedule No. 9

Holter System

1. Existing Para 3.11.1: Should weigh no more than 120 grams with battery and flash memory installed.

Read as: Should weigh no more than 120 grams with battery and flash memory or **SD Card** installed

2. Existing Para 3.11.6: Should have a LCD display of the patient's ECG during hook up to verify proper electrode application.

Read as: Should have a **LCD or TFT or LED** display of the patient's ECG during hook up to verify proper electrode application.

3. Added Para 1: Unit should have Should have artifact detection software**.**

4. Added Para 2: Unit should have facility to quickly locate Abnormal P and T wave in full recording period.

5. Added Para 3: Unit should have facility of integrated 3D axis accelerometer which enables detection of patient movement patterns.

Schedule No. 10

Mammography with CR System

1. Existing Para: Generator b) Minimum generator output: 5 KW or more

Read as: Minimum generator output: **3 KW or more.**

2. Existing Para: X-Ray tube mAs capacity - 1 mAs to 600 mAs or more.

Read as: mAs capacity - **3 mAs** to **500 mAs** or more.

3. Existing Para: Gantry/ X – Ray Stand: Bucky unit: 18X24 cm (4 Nos.) & 24 X 30 cm (2 Nos.). Also, CR cassettes compatible with any make CR should be supplied of 18X24 and 24X30 cms, 4 each.

Read as: Bucky unit 18X24 cm (2 Nos.) & 24 X 30 cm (2 Nos.).

4. Existing Para:

CR Compatible imaging plates: a) 35 cm x 35 cm - 12Nos, b) 24 cm x 30 cm - 12 Nos, c) 18 cm x 24 cm - 12 Nos. d) 15 cm x 30 cm - 6 nos., e) 35 cm x 43 cm – 6 nos, **f) 30 cm x 37.5 cm – 6 nos.**

Read as:

a) 35 cm x 35 cm - 1Nos (Price to be offered separately), b) 24 cm x 30 cm **Mammography cassette**- 2 Nos – (Price to be offered separately), c) 18 cm x 24 cm **Mammography cassette** – 2 Nos (Price to be offered separately) d) 15 cm x 30 cm - 1 Nos (Price to be offered separately), e) 35 cm x 43 cm – 1 Nos (Price to be offered separately).

6. Existing Para: CR Compatible imaging plates f) 30 cm x 37.5 cm – 6 nos.

Read as: Deleted

7. Existing Para: System should have CE/FDA approval**.**

Read as: System should have **European CE or USFDA** approval**.**

8. Added Para: e-LORA registration of vendor with respect to quoted model is must.

Schedule No. 11

800mA X-Ray unit with Single Detector (U/C Arm)

1. Existing Para 3.a: The detector should be of solid state flat detector of latest technology. Specify the material of detector whether amorphous silicon and Cesium Iodide as scintillator **or Gadallonium Oxide.**

Read as: The detector should be of solid state flat detector of latest technology. The material of detector should be amorphous silicon with Cesium Iodide as scintillator**.**

2. Existing Para 5.c: Range of detector rotation should be 90degree or more.

Read as: Range of detector rotation should be **+/- 90degree or more.**

3. Existing Para 5.e: The system should have automatic tube tracking and positioning.

Read as: Deleted.

4. Existing Para 6.e: The system should have software and hardware to perform full Leg-Full spine/long body imaging/image stitching grid based.

Read as: The system should have software and hardware to perform full Leg-Full spine/long body imaging/**image stitching software and hardware.**

5. Existing Para 9.a: The system should be USFDA and European CE approved and AERB type approval for the offered model should be submitted along with bid.

Read as: The system should be **USFDA or European CE approved**. AERB type approval for the offered model should be submitted along with bid.

6. Added Para: e-LORA registration of vendor with respect to quoted model is must

Schedule No. 12

800mA X-Ray unit with Ceiling Mount column and Dual Detector

1. Existing Para 2: X-Ray Tube: Anode heat storage capacity should be 300 KHU or more**.**

Read as: Anode heat storage capacity should be **500 KHU** or more**.**

2. Existing Para 2: X-Ray Tube: All the movements of the overhead tube suspension (3D column stand) should be fully motorized. It should be possible to override it manually.

Read as: All the movements of the overhead tube suspension (3D column stand) should be **manual with electromagnetic locks.**

3. Existing Para 2: X-Ray Tube: Horizontal and vertical tube rotation should be +/- 180º.

Read as: Horizontal and vertical tube rotation should be **+/- 120 deg.**

4. Existing Para 4: Vertical Bucky (Wall stand): Should be possible to tilt the Vertical detector system (-150 to + 900) and **should travel from 1' to 6 ½' above floor level.**

Read as: Vertical Bucky (Wall stand) should be possible to tilt the Vertical detector system **(-15 deg to + 90 deg).**

5. Existing Para 5: Detector System: Specify the making material of detector system whether it is amorphous silicon with CSi scintillator or Gadallonium Oxide.

Read as: detector should be amorphous silicon with CSi scintillator.

6. Existing Para 7. Image Viewing, Post –Processing and reporting Station and Documentation:
Image stitch software

Read as: Image stitch software **and hardware**

7. Existing Para 8: Image Storage and Transmission: Hard disc storage capacity should be of 30000 or more images.

Read as: Hard disc storage capacity should be of **10000** or more images.

8. Existing Para 11: Essential certification: Quality certification: Europe CE and USA FDA.

Read as: Quality certification: **European CE or USFDA approved**

9. Added Para: e-LORA registration of vendor with respect to quoted model is must

Schedule No. 13

Ultrasound Machine with colour Doppler (2D)

1. Existing Para 1.2: The system shall include at least a 17" LCD monitor to allow for both excellent images viewing as well as providing for workflow and productivity features.

Read as: The system shall include at least a **19" LED monitor** to allow for both excellent images viewing as well as providing for workflow and productivity features

2. Existing Para 1.3: The system shall have three active universal probe ports in a convenient, easy to access location to maximize the availability of needed probes.

Read as: The system shall have **four** active universal probe ports in a convenient, easy to access location to maximize the availability of needed probes

3. Existing Para 4: Unit should have Ultrasound Contrast imaging capability (Micro bubbles). Tissue Harmonic imaging with contrast should be available as standard feature.

Read as: Deleted

4. Existing Para 6.2: The system shall provide the ability to scan in the compound imaging mode with multiple lines on all linear and convex probes. The system shall provide scan depths from a minimum of 2 cm to a maximum of at least 30 cm. System should have minimum of 17,000 Digital Channels for better resolution.

Read as: The system shall provide the ability to scan in the compound imaging mode with multiple lines on all linear and convex probes. The system shall provide scan depths from a minimum of 2 cm to a maximum of at least 30 cm. System should have minimum of **170,000** Digital Channels for better resolution..

5. Existing Para 6.4: System should have Dynamic Range of at least 170 dB.

Read as: System should have Dynamic Range of at least **160 dB**.

6. Existing Para 11.2: The system shall include at least 100 GB bytes of dedicated hard drive for large local storage capacity.

Read as: The system shall include at least **500 GB** bytes of dedicated hard drive for large local storage capacity

7. Existing Para 13.b: Transducers: Convex Probe with biopsy attachment. Operating Frequency: 2 - 5 MHz

Read as: Convex Probe with biopsy attachment. Operating Frequency: 2 - 5 MHz **with 95 degree of normal scan and 160 degree of wide scan**

Schedule No. 14

Ultrasound Machine Portable

1. Existing Para 8: Advanced features such as tissue harmonic imaging **with contrast media** and beam forming technology should be quoted as standard.

Read as: Advanced features such as tissue harmonic imaging and beam forming technology should be quoted as standard.

2. Existing Para 24: Essential accessories: Thermal color printer, UPS, mobile cart with transducer holder, jelly bottle holder and space for printer.

Read as: Essential accessories: Thermal **black & white** printer, UPS. Mobile cart **(from same manufacturer)** with transducer holder, jelly bottle holder and space for printer

Schedule No. 15

Endoscope System of Neurosurgery

1. Existing Para 3.3: Operating sheath preferably with valve, Outer Dia. 6.5 mm with graduated scale with lateral stopcock and inlet for catheter, with obturator and obturator for stereo-tactic positioning- 1no.

Read as: Operating sheath preferably with valve, Outer Dia. **6.5 - 6.8 mm** with graduated scale with lateral stopcock and inlet for catheter, with obturator and obturator for stereo-tactic positioning- 1no.

2. Existing Para 3.4: Sheath **insert** for use of 30 deg., 70 deg. diagnostic telescope through operating sheath - 1 no.

Read as: Sheath for use of 30 deg., 70 deg. diagnostic telescope through operating sheath - 1 no.

3. Existing Para 3.8: Biopsy punch forceps single action jaws fine size working length 28cm - 1 no. Instruments should preferably be rotating type.

Read as: Biopsy punch forceps single action jaws fine size working length **28- 30cm -** 1 no. Instruments should preferably be rotating type

4. Existing Para 3.13: Straight forward telescope 0 deg., enlarged view, autoclavable, with angled eyepiece, with instrument channel dia.3mm fiber optic light transmission incorporated, preferably color coded.

Read as: Straight forward telescope **0 deg or 6 deg**, enlarged view, autoclavable, with angled eyepiece, with instrument channel dia.3mm fiber optic light transmission incorporated, preferably color coded

5. Existing Para 3.15: High Definition camera with integrated image processing module, color systed: Pal, power supply: 100-240 VAC, 50/60 Hz, including: 3 chip camera head with integrated parfocal zoom lens, Camera control unit with integrated image processing module, connecting cable length 180 cm, connecting cable set length 180cm, Keyboard, 2 connecting cables, for connecting video-printers or recorders- 1 no.

Read as: High Definition camera **of 1920x1080P resolution** with integrated image processing module, color systed: Pal, power supply: 100-240 VAC, 50/60 Hz, including: 3 chip camera head with integrated parfocal zoom lens, Camera control unit with integrated image processing module, connecting cable length 180 cm, connecting cable set length 180cm, Keyboard, 2 connecting cables, for connecting video-printers or recorders- 1 no.

6. Existing Para 3.20: Any other components essential for its functioning.

Read as: The following instruments are to be supplied. (a) Telescope 0° 18cm 4mm with working insert operating tube. (b) Localizer chiesel, suction tube. (c) Nerve protector, Trephie, spoon forceps. (d) Bone punch 45° and 90°. (e) Elevator and Palpation hook

7. Existing Para 3.22: Mobile cart.

Read as: Mobile cart **(Imported)**.

Schedule No. 16

Operating Microscope- Neuro (High end)

1. Existing Para: Operating Microscope (**Pentero Compatible**)

Read as: Operating Microscope

2. Existing Para Objective: Multifocal 200mm-470mm working distance.

Read as: Multifocal **200mm (+/- 25mm) - 470mm (+/- 25mm)** working distance.

3. Existing Para Illumination: 300W Xenon lamp through fiber optic cable and emergency backup illumination.

Read as: 300W Xenon lamp through fiber optic cable and emergency backup illumination **Xenon lamp (300W).**

4. Existing Para IGS(Image guided Surgery): Should have Neuro navigation system for IGS(MRI,CT Images).

Read as: The microscope should be ready for Neuro Navigation System for IGS (MRI. CT images)

5. Existing Para- Recorder: Should have HD recording Systems.

Read as: The system should have **integrated** HD recording system **and should be mounted on floor stand.**

Schedule No. 17

ULTRASONIC ASPIRATOR

1. Existing Para 2.1: The system should be quoted with different sizes of hand pieces

Read as: The system should be quoted with different sizes of hand pieces**/Tips**

2. Existing Para 3.10: Hand piece with changeable tips- standard, micro precision & bone sculpting.

Read as: Hand piece with changeable tips- standard, micro precision & bone sculpting- **1 each**

3. Existing Para 3.10.1: Straight – Short (1 pair), Long (1 pair).

Read as: Straight **tip** – Short (1 pair), Long (1 pair)**.**

4. Existing Para 3.10.2: Angled - Short (1 pair), Long(1 pair).

Read as: Angled **tip - Short** (1 pair), Long(1 pair)

Schedule No. 19

OT Light

1. Existing Para 2.1: The light should comprise of 2 units, one major dome and one satellite dome. Each unit should have a facility of brightness adjustment from 30 – 100 %. Should be shadow free

Read as: The light should comprise of 2 units, one major dome and one satellite dome. Each unit should have a facility of brightness adjustment from **40 – 100 %.** Should be shadow free

2. Existing Para 3.1.d: Colour Temperature: 3800K - 4800 K Variable.

Read as: Colour Temperature: 3800K - 4800 K **(Variable colour)**

3. Existing Para 3.1.h: Depth of illumination 120-140cms for major dome,152-160 cm for satellite dome.

Read as: Working distance for both Dome: 120-140cms.

4. Existing Para 3.2: Full HD Camera system.

Read as: Full HD Camera system **(Optional, price to be quoted separately)**

5. Existing Para 3.3: LCD Monitor.

Read as: LCD Monitor **(Optional, price to be quoted separately)**

6. Existing Para 3.4: Recording System.

Read as: Recording System **(Optional, price to be quoted separately)**

7. Existing Para 5.2: The unit shall be capable of operating continuously in ambient temperature of 10 -40deg C and relative humidity of 15-90%.

Read as: The unit shall be capable of operating continuously in ambient temperature of 10 -40deg C and relative humidity of **30-75%**

8. Existing Para 7.1: Should be FDA, CE, UL or BIS approved product.

Read as: Should be USFDA or European CE approved product.

Schedule No.20

VATS Equipment

(The complete technical specifications of the VATS equipment is given below)

VATS Equipment specifications

1 **Description of Function**

1.1 A Thoracoscope is a thin, tube-like rigid endoscope instrument with a light and a lens for viewing.

2 **Operational Requirements**

2.1 Thoracoscope with video processing ,monitoring and recording is required

3 **Technical Specifications**

3.1 **SPECS OF SCOPE:**

1. Rod Lens Telescope 30°, enlarged view, diameter 10 mm, length 31 cm, autoclavable. fiber optic light transmission incorporated.-Qty 1
2. Rod lens Telescope 0°, with angled eyepiece, diameter 10 mm, length 27 cm with 6 mm instrument channel, autoclavable -Qty 1
3. Telescope, 10 mm, length 32 cm, variable direction of view from 0° - 120°, twisting controller to select the desired view of direction, fiber optic light transmission incorporated –Qty 1
Direction of view should be zero degree.
4. Compatible with the video system specified.

3.2 **VIDEO PROCESSOR WITH LIGHT SOURCE & MONITOR**

1 Three Chip High definition Camera System maximum Resolution of 1920 X 1080 pixels

2 Power supply 200-240 V A/C

3 PAL type video signal. The camera should have high definition (HD) Output with provision of recording on hard disk (HDD)

4 Controls for colour adjustment, to enhancement and balance settings.

5 Controls to freeze images enhance a portion of frozen image (zoom &post-processing).

6 Patient and physician data input keyboard.

7 Operates on Xenon lamp with battery back up of atleast 45 minutes.

8 26" or more LED colour monitor with XGA resolution compatible .

9 USB Port for Capturing FULL HD Videos/ HD Stills in External USB drive and direct interface of USB Printer to facilitate direct printouts.

10 HDTV display in original 16: 9 HDTV format.

11 1080 p/ 50 & 1080 p/60 displays possible.

3.3 XENON LIGHT SOURCE WITH FIBER OPTIC CABLE

- Lamp type:- Xenon 15V, 300 Watt
- Color Temperatures 6000K
- Light Outlets – 1
- Light Intensity Adjustment :- Continuously adjustable either manually or automatically by cameras video output signal.
- Should be supplied with Diameter 4.8mm, Length 300cm.
- Certified To :- IEC 601-1 & UL 544 CE According to MDD , protection class I/CF

3.4 ENDOSCOPIC TROLLEY - Trolley to accommodate all the above equipments

3.5 FULL HD IMAGE/VIDEO RECORDING SYSTEM –

- Record still images and video in FULL HD at Resolution of 1920x1080P
- Controllable via membrane buttons on front panel, camera head buttons, footswitch mouse and keyboard
- Supports network storage on file servers
- USB support for storage on USB drives
- Customizable print-outs for the documented information
- Quick print function for fast print of images
- HIPAA compliant
- Medical grade unit CE certified, ICE 60601-1
- Microprocessor: RIMM (AMD) Processor at 500 Mhz.
- USB Silicon Keyboard with Touchpad
- Video signal inputs: DVI-I Dual Link, HD-SDI, Composite, S-Video, RGB, YPbPr
- Video Out: DVI-I Dual link
- Video output resolution: 1920x1080, 1280x1024, 1280x720, 1024x768, 800x600, 640x480
- Audio Input: Standard 3.5 mm stereo phone jacks
- Internal hard drive: 320 GB
- USB ports: USB 2.0 (1 front panel, 2 rear panel)
- Network: RJ45 / connection as network drive (SMB)
- Recording formats: Videos: H.264mp4

Images: JPG, TIFF, BMP

- Patient data: Saved as .txt file and / or in EXIF format
- Power supply: 100/240 VAC, 50/60 Hz

3.6 THORACOSCOPY INSTRUMENTS SET

- Trocar, size 11 mm, autoclavable consisting of: Trocar, with blunt tip, Trocar Cannula, flexible, without valve, length 8.5 cm-Qty 2
- Plastic cannula autoclavable for use with flexible trocar size 11 mm- package of 5-Qty 1
- Trocar, size 6 mm, autoclavable consisting of: Trocar, with blunt tip, Trocar Cannula, flexible, without valve, length 8.5 cm-Qty 2
- Plastic cannula autoclavable for use with flexible trocar size 6 mm- package of 5-Qty 1
- Trocar, size 6 mm, consisting of: Trocar with blunt tip, Cannula with thread, length 4 cm –Qty 1
- Trocar, size 6 mm, consisting of: Trocar, only with blunt tip, Cannula with thread, length 6 cm- Qty 1
- Trocar, size 6 mm consisting of: Trocar with blunt tip, Cannula without thread, length 6.5 cm, with insufflation stopcock, Silicon Leaflet Valve, size 6 mm–Qty 1

- Trocar, size 11 mm consisting of: Trocar with blunt tip, Cannula without thread, length 6.5 cm, with insufflation stopcock, Silicon Leaflet Valve, size 11 mm–Qty 1
- Trocar, size 13 mm, consisting of: Trocar with blunt tip, Cannula with thread, length 4 cm–Qty 1
- Trocar, size 13 mm, consisting of: Trocar with blunt tip, Cannula with thread, length 6 cm. –Qty 1
- Parenchymal Forceps, atraumatic, straight jaws, single action jaws, size 5 mm, length 28 cm, consisting of: Metal Handle with 4 locking positions, with ratchet, Outer Tube with Working Insert–Qty 1
- Parenchymal Forceps, atraumatic, double curved jaws, single action jaws, size 5 mm, length 28 cm, consisting of: Metal Handle with 4 locking positions, with ratchet, Outer Tube with Working Insert–Qty 1
- Lung Forceps, atraumatic, fenestrated, curved jaws, single action jaws, size 5 mm, length 28 cm, consisting of: Metal Handle with 4 locking positions, Outer Tube with Working Insert–Qty 1
- Dissecting and Grasping Forceps, curved jaws, double action jaws, size 5 mm, length 28 cm, consisting of: Metal Handle with 4 locking positions, Outer Tube with Working Insert–Qty 1
- Lung Nodule Forceps, atraumatic, fenestrated, curved jaws, single action jaws, size 5 mm, length 28 cm, consisting of: Metal Handle with 4 locking positions, Outer Tube with Working Insert–Qty 1

- Grasping Forceps, Cobra-Jaws, 1 x 2 teeth, straight jaws, single action jaws, size 5 mm, length 28 cm, consisting of: Metal Handle with 4 locking positions Outer Tube with Working Insert–Qty 1

- Grasping Forceps, straight jaws, single action jaws, size 5 mm, length 28 cm, consisting of: Metal Handle with 4 locking positions, Outer Tube with Working Insert–Qty 1Parenchymal Forceps, atraumatic, curved jaws, single action jaws, size 5 mm, length 28 cm, for use with Linear Stapler–Qty 1

- Dissecting Forceps, insulated, curved jaws, double action jaws, size 5 mm, length 28 cm, with connector pin for unipolar coagulation, consisting of: Insulated Metal Handle with 4 locking positions, Insulated Outer Tube with Working Insert–Qty 1

- Scissors, Insulated, straight jaws, curved scissor-blades, double action jaws, size 5 mm, length 28 cm, with connector pin for unipolar coagulation, consisting of: Insulated Metal Handle with 4 locking positions, Insulated Outer Tube with Working Insert–Qty 1

- Scissors, insulated, distally angled outer sheath, curved scissor-blades, scissor blades open horizontally to angulation, double action jaws, size 5 mm, length 28 cm, with connector pin for unipolar coagulation, consisting of: Insulated Metal Handle with 4 locking positions, Insulated Outer Tube with Working Insert–Qty 1

- Scissors, insulated, distally angled outer sheath, straight scissor-blades, scissor blades open parallely to angulation, single action jaws, size 5 mm, length 28 cm, with connector pin for unipolar coagulation, consisting of: Insulated Metal Y-Handle with 4 locking positions, Insulated Outer Tube with Working Insert–Qty 1

Schedule No. 22

Vitrectomy Machine

1. Existing Para VACUUM Point 1: Should have the facility to generate direct venturi vacuum of up to 650 mmHg through cassette system having 2 independent aspiration ports.

Read as: Should have the facility to generate direct venturi vacuum of up to **580 mmHg** through cassette system having 2 independent aspiration ports.

2. Existing Para Illumination Point 2: The System should recognize the gauge of illuminator connected and adjust the illumination accordingly.

Read as: The System should recognize the gauge of illuminator connected / **have color coding for different gauge** and adjust the illumination accordingly.

3. Existing Para Other Features Point 15: MP3 Audio output Jack.

Read as: Deleted.

4. Existing Para Other Features Point 16: 25 G endoilluminator compatible with the machine (25 nos)

Read as: 25 G endoilluminator compatible with the machine (25 nos) **(companies may quote unit price of all consumables separately for consideration of buying now and fix the price for warranty and CMC period)**

5. Existing Para Other Features Point 17: 23G endoilluminator compatible with the machine (25 nos)

Read as: 23G endoilluminator compatible with the machine (25 nos) **(companies may quote unit price of all consumables separately for consideration of buying now and fix the price for warranty and CMC period.**

6. Existing Para Other Features Point 18: If disposable packs to be used, then 250 packs cost to be included.

Read as: If disposable packs are used, then 250 packs cost to be included. **(companies may quote unit price of all consumables separately for consideration of buying now and fix the price for warranty and CMC period).**

7. Existing Para Other Features Point 19: If pack facility is not available then 23G cutter- 125 nos, 25 G cutter- 125 nos must be given with compatible Trocar Cannula and infusion line

Read as: If pack facility is not available then 23G cutter- 125 nos, 25 G cutter- 125 nos must be given with compatible Trocar Cannula and infusion line **(companies may quote unit price of all consumables separately for consideration of buying now and fix the price for warranty and CMC period)**

8. Existing Para Other Features Point 20: 23 G Vitreoretinal forceps for TLM peeling- 25 nos.

Read as: 23 G Vitreoretinal forceps for TLM peeling- 25 nos **(companies may quote unit price of all consumables separately for consideration of buying now and fix the price for warranty and CMC period)**

9. Existing Para Other Features Point 21: 25 G Vitreoretinal forceps for TLM peeling- 25 nos.

Read as: 25 G Vitreoretinal forceps for TLM peeling- 25 nos **(companies may quote unit price of all consumables separately for consideration of buying now and fix the price for warranty and CMC period)**

All other terms and conditions of the tender enquiry remain unaltered.