

**Amendment –III**

**Dated 16.10.2018**

**Tender Ref : HSCC/Mauritius/ENT hospital Equipment/2018 dated 22.09.2018**

Sub: Procurement of Medical Equipment for New ENT Hospital Mauritius

**1. Full HDTV Endoscopic video camera with Recording System, Nasal Endoscopes with Xenon Light Source (Endoscopic Sinus Surgery Set)**

<b>Sr. No.</b>	<b>Tender Specification</b>	<b>To be Read As</b>
1	0 degree, 4mm, 18cm wide angle straight forward telescope, autoclavable	0 degree, 4mm, 17-18cm wide angle straight forward telescope, autoclavable
2	0 degree, 2.9mm, 18cm wide angle straight forward telescope, autoclavable	0 degree, 2.7-2.9 mm, 17-18cm wide angle straight forward telescope, autoclavable
3	30 degree, 4mm, 18cm wide angle straight forward telescope, autoclavable	30 degree, 4mm, 17-18cm wide angle straight forward telescope, autoclavable
4	30 degree, 2.9mm, 18cm straight forward telescope, autoclavable	30 degree, 2.7-2.9mm, 17-18cm straight forward telescope, autoclavable
5	45 degree, 4mm 18cm wide angle straight forward telescope, autoclavable	45 degree, 4mm 17-18cm wide angle straight forward telescope, autoclavable
6	45 degree, 2.9mm 18cm wide angle straight forward telescope, autoclavable	45 degree, 2.7-2.9mm 17-18cm wide angle straight forward telescope, autoclavable
7	70 degree, 4mm, 18cm wide angle straight forward telescope, autoclavable	70 degree, 4mm, 17-18 cm wide angle straight forward telescope, autoclavable
8	70 degree, 2.9mm, 18cm wide angle straight forward telescope, autoclavable	70 degree, 2.7-2.9mm, 17-18cm wide angle straight forward telescope, autoclavable
15	Double ended maxillary sinus ostium seeker, ball shaped ends diameter 1.2 and 2mm, length 19cm	Double ended maxillary sinus ostium seeker, ball shaped ends diameter 1.0 and 2mm, length 19-21cm
31	Nasal Scissors (Straight,right& left)	Nasal Scissors (Straight,right& left) Length 125-140 mm
32	Antrum punch(small) Pediatric size, backward cutting	Antrum punch(small) Pediatric size, backward cutting Length 90-110 mm
33	Biopsy forceps for nasopharynx	Biopsy forceps for nasopharynx Length 170-190 mm, CUP 04mm
35	Tilley Nasal Dressing Forceps	Tilley Nasal Dressing Forceps length 160-180mm
36	Through cut forceps(straight & 45deg) – 18x3mm, 11.5x3.5mm	Through cut forceps(straight & 45deg) – 18cm length x3mm forceps tip, 11.5 cm length x3.5mm forceps tip
38	DCR punch	DCR punch upward biting 3mm
39	Frontal sinus seeker(Double ended 22cm- 70deg and 90deg)	Frontal sinus seeker(Double ended 22cm- 70deg or more and 90deg)
40	OTO endoscope – 2.7mm(0deg and 30deg- 75mm) , 4mm (0deg- 50mm)	OTO endoscope – 2.7mm(0deg and 30deg- 65mm to 110 mm) , 4mm (0deg- 50mm)
B	XENON LIGHT SOURCE AND LIGHT CABLE	XENON LIGHT SOURCE AND LIGHT CABLE/300 watt LED Light source+ Light Cable
4	Unit should be compatible with Communication Bus system for remote controlled operation of the various features along with other equipment	Unit should be compatible for remote controlled operation of the various features along with other equipment
5	Lamp type- Xenon lamp, 300 watt	Lamp type- Xenon lamp, 300 watt /Equivalent LED lamp
c	C. FIBER OPTIC LIGHT CABLE Size 3.5 to 5mm, length 250 -275cm	FIBER OPTIC LIGHT CABLE Size 3.5 to 5mm,length must be 250-300 cm
6	STAINLESS STEEL INSTRUMENTS 6. The instrument should be CE & FDA approved	STAINLESS STEEL INSTRUMENTS 6. The instrument should be European CE from Notified body &US FDA approved
	<b>Full HDTV Endoscopic video camera with Recording</b>	
d	<b>d.</b> Optimizes to Any Size: The system should have integrated Optical Zoom (f= 14- 30 mm, 2X) to enhance the quality of Image size & cross specialty standardization of the camera system, regardless of	<b>d.</b> Optimizes to Any Size: The system should have integrated Optical Zoom (f= 15- 31 mm, 2X) to enhance the quality of Image size & cross specialty standardization of the camera system, regardless of the telescope used.

	the telescope used.  f. The system should have the facility to use a single camera control unit for all camera heads (either single chip or three chip) thus minimizing preparation & maximizes interspeciality Standardization.	f: Deleted
2	2. Technical Specifications:	2. Technical Specifications:
d	d. Lens: Integrated Parfocal Zoom Lens, f=14mm-30mm	d. Lens: Integrated Parfocal Zoom Lens, f=14mm-31mm
3 a	3. HD TV widescreen Monitor -The monitor should have : 01 each a. HDTV display in original 16: 10 HDTV format. d. Max. Resolution of 1920X1200 pixels.  All Equipment should be from same manufacturer and should be European CE / US FDA approved	3. HD TV widescreen Medical Grade Monitor -The monitor should have : 01 each a. HDTV display in original 16: 09 HDTV format. d. Max. Resolution of 1080X1920 pixels.  All Equipment and instruments should be from same manufacturer and should be European CE issued by Notified body / US FDA approved

**Item No. 2. E.N.T. OPERATING MICROSCOPE**

Sr. No.	Tender Specification	To be Read As
	<b>MICROSCOPE BODY</b>	
6.	6. Binocular Stereo co observation system movable in all axis for assistant surgeon/ teaching purpose Future up gradation to XY module Frequency range between 50-60 Hz. Automatic Circuit Breaker Adjustable friction of all joints Microscope should be movable on an inclined coupling for positioning in lateral direction. The maximum stretching length of the horizontal arm to be not less than 1000mm. The swivel angles of the carrier arm not less than 300 degree. Balanced microscope with integrated technology to manoeuvre the microscope in all directions with minimal force.	<b>Microscope body</b> Binocular Stereo co observation system movable in all axis for assistant surgeon/ teaching purpose. Facility for XY movement without releasing the electromagnetic brakes should be available. The maximum stretching length of the horizontal arm to be not less than 1000mm. The swivel angles of the carrier arm not less than 300 degree. Balanced microscope with integrated technology to manoeuvre the microscope in all directions with minimal force.
2.	<b>Binocular Tube:</b> 180 Degree or more tilt able binocular tube with focal length f= 200 mm or more	180 Degree or more tilt able binocular tube with focal length f= 190 mm or more
3.	<b>Illumination System:</b> Coaxial xenon illumination minimum 300 Watt with a backup quick easy lamp changer Xenon bulb	Coaxial xenon illumination minimum 300 Watt with a 300W back up quick easy lamp changer Xenon bulb

**Item No. 4. Ceiling Shadow-less Double Dome OT Lights with Recording Camera (For Two Major OTs)**

Sr.No.	Tender Specification	To be Read As
	Intensity Control in 5 or more variable steps for individual domes.	Intensity Control in 3 to 5 or more variable steps for individual domes.
	Action Radius :1850mm	Action Radius :1600mm or more
	Colour Temperature :4500K and above	Colour Temperature :4300K +/- 10% and above
	LED technology: minimum 40,000 hours lamp life	LED technology: minimum 50,000 hours lamp life
	Focal distance(d1+d2)=0.8 to 1.2 m	Focal distance(d1+d2)=0.8 to 1.2 m (Depth of Illumination)
	Temperature rise on the keep of surgeries to be less than 10	Temperature rise on the keep of surgeries to be less than 1 deg.
	360° rotation for both arms	330°/360° rotation for both arms

	Added:	HD camera wireless recording system1080P*1920P (For Major OT Lights Only). Two minor OT's are without HD Recording camera .
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### Item No. 5 OT Table

Sr.No.	Tender Specification	To be Read As
1	It should be a mobile universal electric /electro-hydraulic operating table with 5 section table top. Having specialized accessories for General Surgeries	It should be a mobile electric/electrohydraulic operating table <b>with four</b> section table top having specialized accessories for general surgery.
3	All tables sections except half-back / central section should be quickly detachable using easy latch mechanism to suit all surgical needs	<b>Deleted</b>
6	The system should have electrical and functional impact prevention safety with microprocessor and linear and angular position sensors avoid collisions between the motorized sections and the table or the floor	<b>Deleted</b>
7	Table should be equipped with a motorized table top slide of approx. 350-400mm or more	Table should be equipped with a motorized table top slide of approx. 300-400 mm or more
8	All table positions height, lateral tilt, back, trendelenburg, reverse trendelenburg and zero leveling, longitudinal sliding, table base locking and unlocking should be electro-hydraulically operated using a touch switches on hand held controller. It should also indicate the patient orientation as reverse / normal.	All table positions height, lateral tilt, back, trendelenburg, reverse trendelenburg and zero leveling, longitudinal sliding, table base locking and unlocking should be electro-hydraulically operated using a touch switches on hand held controller/Foot Padel . It should also indicate the patient orientation as reverse / normal.
10	The table should be equipped with both electronic override control panel embedded in the centre column body offering all the controls as in the hand held controller. Should also have manual back- up from foot operated system	The table should be equipped with both electronic override control panel embedded in the centre column body offering all the controls as in the hand held controller. Should also have manual back- up/electrical back up from foot operated system
11	Table top reconfiguration should be quick and uncomplicated. Should have head rest with gas spring, double articulation type and pair of Split LEG rest with 0 deg. / 90 deg. Abduction facility and leg section up/down* $\pm$ 90 deg.	Table top reconfiguration should be quick and uncomplicated. Should have head rest with gas spring, double articulation type and pair of Split LEG rest with 0 deg. / 90 deg. Abduction facility and leg section up/down + 10 deg./- 90 deg.
12	Should have latest Cordless Bluetooth Hand Control for all Powered motorized / electro-hydraulic movements. The color screen should be with backlit for endoscopic procedures. Should also have min. two to maximum six memory position selectable by surgeon for pre-determined table positions e.g. Beach Chair	Should have latest Corded Hand Control for all Powered motorized / electro-hydraulic movements. The LED/LCD screen should be with backlit for endoscopic procedures.
14	The table should have heavy duty minimum antistatic large swivel castors with central hydraulic locking	The table should have heavy duty minimum antistatic large swivel castors .
20	Should have safe patient weight load capacity of at least 270kg or more in all position. The stationary patient weight capacity should be 350kg or more. The literature should support both types of weight capacities.	Should have safe patient weight load capacity of at least 250kg or more in all position. The stationary patient weight capacity should be 350kg or more. The literature should support both types of weight capacities.
21	The table should have additionally a foot operated controls unit for Trendelenburg / Antitrendelenburg, tilt and height	To Delete
22	<b>Table Specification +/-5 deviation is allowed</b> a. Height adjustment: min. 580-680 mm, max. 1100-1200 mm c. Back (seat) section adjustment: -40 degree to + 80 degree., d. Trendelenburg adjustment: 30-40 degree h. Motorized Longitudinal slide of 350-400mm j. Kidney break /bridge elevation > 4inches	<b>Table Specification +/-5 deviation is allowed</b> a. Height adjustment: min. 580-680 mm, max. 1050-1200 mm c. Back (seat) section adjustment: -40 degree to + 70 degree., d. Trendelenburg adjustment: 25 degree h. Motorized Longitudinal slide of 300-400mm j. To delete
24	The quoted equipment should be having US-FDA approval.	The quoted equipment should be having US-FDA approval/US-FDA Listed

**Sr. No. 6, Anesthesia Workstation**

<b>Sr.No.</b>	<b>Tender Specification</b>	<b>To be Read As</b>
<u>3.1 Flow Management Point No. 6</u>	Gas regulators shall be of modular design/ graphic display.	Gas regulators shall be of modular design/ graphic digital display of pipeline and cylinder pressures..
<u>3.4 Ventilation Point No. 7</u>	Tidal Volume: 5ml – 1400 ml	Tidal Volume: 5ml – 1400 ml in volume control mode.
<u>3.5.1 Anesthesia Monitoring Specifications: 19: TFT Screen Point i.</u>	Should include inbuilt Anaesthesia record keeping software facility in all OT monitor to document Anesthesia event using standardized menu based entries.	Should include inbuilt Anaesthesia record keeping software facility in all OT monitor to document Anesthesia event using standardized menu based entries. It should be ready to run Web based applications like PACS, HIS, RIS, LIS, Cath lab Report, X-Ray as standard on the patient monitor.
<u>4. System Configuration Accessories, spares and consumables Point 4.5:</u>	Vaporizer Halothane -01	Deleted
	<u>Additional Point to be added:</u>	In case of total gas supply failure, machine should be able to continue ventilation through ambient air ventilation or through the compressor supplied from same manufacturer.

**Item No. 10 Flexible Esophagoscope**

<b>Sr.No.</b>	<b>Tender Specification</b>	<b>To be Read As</b>
1	It should have a rotatable PVE connector for easy maneuverability by 180°	Deleted
3	video processor, light source and air pump for above video scope.Video Processor should have digital signal processing high resolution color CCD Chip with 2RGB, 2Y/C and 1 BNC Video output connectors for external devices like recording and printing, dedicated keyboard for data entry. The Processor should have zoom facility up to 2X and PIP function. White balance function should be incorporated in the unit. The Processor should automatically adjust illumination for maximum clarity during endoscopic procedure. The Processor should be supplied with RGB, Y/C, BNC cables and keyboard. The Video Processor should either have inbuilt Light source with minimum 100-300 watts Xenon bulb with a standby LED bulb or Bidders can quote Xenon light source separately with same specifications. Light source should be automatic and manual control. Air pump should be in-built in the light source.	video processor, light source and air pump for above video scope. Video Processor should have digital signal processing high resolution color CCD Chip with 2RGB, 2Y/C and 1 BNC Video output connectors for external devices like recording and printing, dedicated keyboard for data entry. The Processor should have zoom facility up to 2X and PIP function. White balance function should be incorporated in the unit. The Processor should automatically adjust illumination for maximum clarity during endoscopic procedure. The Processor should be supplied with RGB, Y/C, BNC cables and keyboard. The Video Processor should either have inbuilt Light source with minimum 100-300 watts Xenon bulb with a standby LED bulb or Bidders can quote Xenon light source/equivalent LED Light source separately with same specifications. Light source should be automatic and manual control. Air pump should be in-built in the light source.
	US FDA / European CE /BIS Approved model should be offered.	US FDA / European CE from Notified body model should be offered.

**Schedule no: 11-FESS SURGERY SET**

Sr. No.	Tender Specification	To be Read As
1	Blaksley nasal forceps straight	Blaksley nasal forceps straight length 120-160mm
2	Blaksley nasal forceps 45 deg	Blaksley nasal forceps 45 deg length 120-160mm
4	Tru-cut forceps straight	Through cut forceps Straight, length 130-160mm
5	Tru-cut forceps 45 degree	Through cut forceps 45 degree length 130-160mm
6	Tru-cut forceps 90 degree	Through cut forceps 90 degree, length 130-160mm
7	Backbiting forceps plain	Back Biting Forceps, plain length 90-120mm
8	Backbiting forceps rotatable	Back Biting Forceps, rotatable length 90-120mm
9	Double ended ball probe	Double ended ball probe length 160-200mm
10	Sickel knife	Sickel knife length 180-200mm
15	Freer's elevator with suction	Freer's elevator with suction length 180-200mm
16	Point Added	<p><u>Note for Instrument SETS</u></p> <p><b>TITANIUM INSTRUMENTS :</b> 1. All Instruments should be of international quality and made from surgical grade titanium. 2. The "Hinges" should be rust proof 3. The instruments should be guaranteed against metal fatigue and rust for atleast 02 years. Further repair should be available for next 5 years. 4. The instruments surface should be non-reflective. 5. The brand name along with catalogue number should be etched on the instruments. 6. The other instruments should be made of high grade titanium, they should not magnetize with use and the surface should be non-reflective and glare free under OT light. 7. Satisfactory Performance Certificate from Government Hospital is mandatory. 8. The instruments might be call for demonstration and approval. It is the sole discretion of the department to approve or disapprove the quality.</p>
17	Point Added	<p><b>STAINLESS STEEL INSTRUMENTS :-</b></p> <p>1. All Instruments should be of international quality and made from surgical grade stainless steel. Documentary evidence required for grade of material.</p> <p>2. The "Hinges" should be rust proof</p> <p>3. The instruments should be guaranteed against metal fatigue and rust for 01 year.</p> <p>4. The instruments surface should be non-reflective.</p> <p>5. The brand name along with catalogue number should be etched on the instruments.</p> <p>6. The instrument should be European CE from Notified body &amp; US-FDA approved.</p> <p>7. The instruments might be call for demonstration and approval. It is the sole discretion of the department to approve or disapprove the quality..</p>

**Schedule no: 12-INSTRUMENTS FOR MICROLARYNGEAL SURGERY (MLS)**

Sr. No.	Tender Specification	To be Read As
3	Anterior commissure scope Adult size-22cm	Anterior commissure scope Adult size-22cm minimum
4	Crico -Pharyngoscope	To Delete
6	Laryngoscope holder and chest support for use with above laryngoscopes Adult size (ring 9.5 cm, rod 34 cm)	Laryngoscope holder and chest support for use with above laryngoscopes Adult size (ring 9 cm, rod 34 cm)
7	Laryngoscope holder and chest support Child size (ring 9.5 cm. Rod 24 cm)	Laryngoscope holder and chest support Child size (ring 9 cm. Rod 24 cm)
10	Straight forward wide angle telescope-4mm 30cm length- 0° angle, autoclavable	Straight forward wide angle telescope-4mm to 5 mm 24-30cm length- 0° angle, autoclavable

	with attached handle	
48	Cable for bipolar forceps-5 m long	Cable for bipolar forceps-minimum 3 m long
52	FB forceps	Changed to Foreign Body Forceps
	The instrument should be CE & FDA approved	The instrument should be European CE from notified body & US FDA approved.

### **Item No. 13 Shaver System CUM Micro Drill**

<b>Sr. No.</b>	<b>Tender Specification</b>	<b>To be Read As</b>
1	5. Intranasal Drill 6. Skeeter Drill ( for stapedotomy)	5. Deleted 6. Drill ( for stapedotomy)
<b>B</b>	<b>Drill System</b>	
3	Should be compatible with Micro ear drill handpiece& drill bits ( universal)	Should be compatible with Micro ear drill handpiece& drill bits of the same manufacturer
9	Both Autoclavable and Disposable range of blades should be available.	Disposable range of blades should be available
11	2 pedal foot switch	1/2 pedal foot switch
<b>C</b>	<b>Hand piece clean &amp; oil injection machine (350ml capacity)</b>	
1	Lubricating and cleaning	Lubricating and cleaning-500ml bottle of lubricant
D	Hand piece Straight / angled (compatible with micromotor drill) 02 each	Hand piece Straight / angled (compatible with micromotor drill) 01 each
E	Drill bit Cutting/polishing 0.6/1.0/2.0/3.0/4.0/5.0/6.0/8.0 mm 04 each	<b>Drill bit Cutting/polishing 0.6/1.0/2.0/3.0/4.0/5.0/6.0 04 each</b>
G	Nasal drill bit with and without guard 02 Each	<b>Nasal drill bit with Guard 02</b>

### **Item No. 14 Stapedectomy Set**

<b>Sr. No.</b>	<b>Tender Specification</b>	<b>To be Read As</b>
1	Micro pick 90 degrees angled : 165 mmlength 0.2mm	Micro pick 0.4mm or less 90 degrees angled : 160 mm length
2	Micro pick 90 degrees angled : 165 mm length 0.2mm Micro pick straight	Micro pick 0.4 or less mm 90 degrees angled : 160 mm length Micro pick straight
3	Fisch Perforator : 0.2mm	Fisch Perforator : 0.3 mm or less
4	Hand Burr of All Sizes	Hand Burr of All Sizes for use in micro ear surgery
9-10	Fisch Perforator : 0.7mm Fisch Perforator : 0.2mm	Fisch Perforator : 0.2-0.3 Fisch Perforator : 0.6-0.7
12	Piston Measuring Plates	Piston measuring plates shea's jig

### **Item No. 15 Oesophagoscope Set**

<b>Sr. No.</b>	<b>Tender Specification</b>	<b>To be Read As</b>
1	Universal Oesophagoscope with Distal or Proximal illumination Adult 250mm length 12x8 mm diameter	Universal Oesophagoscope with Distal or Proximal illumination Adult >40cm length 12x8 mm diameter
5	Universal Oesophagoscope with Distal or Proximal illumination Child 270mm length 5.5 mm diameter	Universal Oesophagoscope with Distal or Proximal illumination Child 270-300mm length 5-5.5 mm diameter
9	Telescope 0 degree wide angle to fit in above optical Biopsy forceps	Telescope 0 degree to fit in above optical Biopsy forceps
10	Jackson esophageal forcep standard shaft, deep serrated upper moving jaw,400mm length	Compatible alligator forceps for above esophagoscope
15	Aspiration tubes rigid 350mm length 2.5mm diameter	suction tubes 350 mm length with 2- 2.5mm diameter
16	Aspiration tubes rigid 500 mm length 4.0mm diameter	suction tubes 500 mm length with 4mm diameter
19	Cold light source 250 Watt	Cold light source 250 Watt / LED Light Source 150 Watt or more light source

	The instrument should be CE & FDA approved	The instrument should be European CE from notified body & US FDA approved
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**Item No: 16 Bronchoscopy Set**

Sr. No.	Tender Specification	To be Read As
	The instrument should be CE & FDA approved	The instrument should be European CE from notified body & US FDA approved

**Item No.: 17 Tracheostomy set**

Sr. No.	Tender Specification	To be Read As
1	Mosquito artery forceps, Curved	Mosquito artery forceps, Curved , 120-130mm
2	Mosquito artery forceps, Straight	Mosquito artery forceps, Straight 120-130mm
3	Medium sized artery forceps straight	Medium sized artery forceps straight, 160-180mm
4	Medium sized artery forceps straight	Medium sized artery forceps straight, 160-180mm
5	Langenback's retractor, small	Langenback's retractor, small 150-180mm
6	Langenback's retractor, large	Langenback's retractor, large 180-220mm
9	Tracheostomy Tube, Chevalier Jackson.Silver Plated. 20 Fr	Deleted
10	Tracheostomy Tube, Chevalier Jackson.Silver Plated. 32 Fg	Deleted
11	Tracheostomy Tube, Chevalier Jackson.Silver Plated. 34 Fg	Deleted
12	Tracheostomy Tube, Fuller. 18Fg.	Deleted
13	Retractor, Single hook. Sharp. 16cm/6.25". Also for Tracheostomy	Retractor with one prong, two prong or three prong with 15-17cm length
14	Retractor, Single hook. Blunt. 16cm/6.25". Also for Tracheostomy	Retractor with one prong, two prong or three prong with 15-17cm length
15	Retractor, Double hook. Sharp. 16cm/6.25".Also for Tracheostomy	Retractor with one prong, two prong or three prong with 15-17cm length
16	Retractor, Double hook. Blunt. 16cm/6.25". Also for Tracheostomy	Retractor with one prong, two prong or three prong with 15-17cm length
17	Needle Holder	Needle Holder 150-180mm length
18	Tissue holding forceps (Plain and tooth)	Tissue holding forceps (Plain and tooth) 150-180mm length
19	BP Handle	BP Handle no. 3-2 each
	The instrument should be CE & FDA approved	The instrument should be European CE from notified body & US FDA approved

**Item No.: 18 Rhinoplasty Set**

Sr. No.	Tender Specification	To be Read As
6	Retractor. Cottle. 2 Prongs-Sharp. 12mmW. Length 14cm/5.5".	Retractor. Cottle. 2 Prongs-Sharp. 12mmW Length 14-16 cm
7	Retractor. Cottle. 2 Prongs-Lt. Sharp.12mmW. Length 14cm/5.5".	Retractor. Cottle. 2 Prongs-Lt. Sharp.12mmW Length 14-16 cm
8	Retractor. Cottle. 4 Prongs. Blunt.10mmW. Length 14cm/5.5".	Retractor. Cottle. 4 Prongs. Blunt.10mmW.Length 14-16 cm
12	Hook. Skin. 2mm. Gillies. 16cm/6.25".	Hook. Skin. 2mm. Gillies. Length 15-17 cm
20	Elevator, Farabeuf. 8mm. Curved 15cm/6".	Elevator, Farabeuf. 8mm. Curved .Length 15-20 cm
21	Elevator, Septum. Masing. D/E. 22cm/8.75	Elevator, Septum. Masing. D/E. Length 20-24 cm
33	Metzenbaum Scissors, Curved 12.5cm/5".	Metzenbaum Scissors, Curved Length 12-13 cm
36	Jameson Scissors. . 14cm/5.5".	Jameson Scissors. Length 14-16 cm
37	Chisel. 6mm. Cottle. Graduated. 18cm/7.25".	Chisel. 6mm. Cottle. Graduated.Length 17-19 cm
41	Chisel. Fishtail. 16mm. Cottle. 18cm/7.25".	Chisel. Fishtail. 16mm. Cottle. .Length 14-18 cm
48	Chisel, Nasal. McIndoe. 11mm. 16cm/5.5".	Chisel, Nasal. McIndoe. 11mm. Length 14-16 cm
49	Chisel, Nasal. McIndoe. 13mm. 16cm/5.5".v	Chisel, Nasal. McIndoe. 13mm. Length 13-16 cm
54	Ash forceps	ASCH Forceps
56	Kerrison'srongeur (Small & large)	Kerrison'srongeur (Small & large) length, 160-190 mm with

		bite size of 1mm & 3mm
58	Nasal Scissors (straight & curved)	Nasal Scissors (straight & curved) length, 120-140 mm
59	Nasal guage	Nasal guage length, 140-180 mm bayonet , V shaped
60	Mallet -100g	Mallet 100-130gm weight
61	Bone Nibble (single action /double action)	Bone Nibble (single action /double action) 170-180mm, 3 mm curved
	The instrument should be CE & FDA approved	The instrument should be European CE from notified body & US FDA approved

**Item No.: 19 VIDEO-LARYNGOSCOPE SET**

<b>Sr. No.</b>	<b>Tender Specification</b>	<b>To be Read As</b>
<b>1</b>	The system should provide a compact and at the same time multifunctional documentation unit. The system should have Hi-Lux high performance light source and the high resolution 12” integrated flat screen monitor. Additionally, the system should have integrated recording facility which can be controlled from the recording button on the handle of video laryngoscope. The system should provide the facility of recording up to 900 still images.	The system should provide a compact and at the same time multifunctional documentation unit. The system should have Hi-Lux high performance light source and the high resolution 12” integrated flat screen monitor. Additionally, the system should have integrated recording facility which can be controlled from the recording button on the handle of video laryngoscope. The system should provide the facility to store 30-60 GB Still images and Videos
<b>2</b>	The instrument should be CE & FDA approved	The instrument should be European CE from notified body & US FDA approved

**Item No: 20 MASTOIDECTOMY + TYMPANOPLASTY SET**

<b>Sr. No.</b>	<b>Tender Specification</b>	<b>To be Read As</b>
<b>1</b>	The instrument should be CE & FDA approved	The instrument should be European CE from notified body & US FDA approved

**Item No: 22 SEPTOPLASTY SET**

<b>Sr. No.</b>	<b>Tender Specification</b>	<b>To be Read As</b>
1	Thudicum Nasal speculum (Size 3)	Thudicum Nasal speculum (Small, Medium, Large)
3	Hartmann Nasal speculum (Size 3)	Hartmann Nasal speculum Length 13cm
6	Addson plain forceps	Adson Tissue Forcep 1x2 teeth,length 12 cm
7	Scissor straight small	WULLSTEIN Scissors straight with cleaning connector length 9cm
8	Scissor curved small	WULLSTEIN Scissors,curved upwards with cleaning connector length 9cm
9	Cottle Retractor Sharp + Blunt	COTTLE retractor,2prongs,sharp prong on right blunt pring on left width 10mm length 14.5 cm
12	Parker elevator	Parker or similar elevator may be offered
14	Ferguson Nasal suction (Size 3)	Ferguson Nasal suction wuth cut off hole and STYLET outer diameter 3.5mm
16	Heymann Turbinectomy scissor	HEYMANN nasal scissors
20	CottleSeptal scissor spring action angular bows	Cottle or similar Septal scissor spring action angular bows
35	B.P.Handle	B.P Handle No. 3 & 4no.-1 each
	The instrument should be CE & FDA approved	The instrument should be European CE from notified body & US FDA approved



**Item No: 23-Tonsillectomy & Adenoidectomy Set**

Sr. No.	Tender Specification	To be Read As
5	Draffin Bipod, with 4 Rings. 48cm/19". - 2	Draffin Bipod, with 4 Rings. 48cm/19". Draffin Bipod for use with tongue blades
6	Negus Jack/Chest Support with rack action. - 2	Negus Jack/Chest Support with rack action negus support to be used for tongue blades
7	Forceps, Tonsil holding. Denis Browne. Small. 18cm/7". - 2	Tonsil holding forceps with length 18-22cm
8	Forceps, Tonsil Holding. Denis Browne. Large. 20cm/8". - 2	Tonsil holding forceps with length 18-20cm
9	Tonsil Dissector & Pillar Retractor. Beavis. 20cm/8". - 2	Pillar retractor with 20-22cm length
10	Tonsil Dissector 9mmW & Pillar Retractor. Hurd. 20cm/8". - 2	Pillar retractor with 20-22cm length
11	Remington Hobb Diathermy Forceps. Serrated. Straight 25cm/10". - 2	deleted
12	Forceps, Tonsil Artery. Birkett/Schmidt. 2nd Curved. 19cm/7.5". - 2	Artery forceps straight or curved with length 18,20,22cm
13	Forceps, Tonsil Artery. Negus. 1 Curved. 19cm/7.5". - 2	Artery forceps straight or curved with length 18,20,22cm
14	Forceps, Tonsil Artery. Negus. 2 Curved. 19cm/7.5". - 2	Artery forceps straight or curved with length 18,20,22cm
15	Forceps, Tonsil Artery. Wilson. D Curved. 19cm/7". - 2	Artery forceps straight or curved with length 18,20,22cm
16	Snare, Tonsil. Eves. Sliding Action. 28cm/11". - 2	snare with 27cm/29cm length
17	Snare Wire. Tonsil. 24 SWG. Packet of 12. - 2	snare with 27cm /29cm length
18	Needle, Suturing. Tonsil. Irwin Moore. Curved Rt. 20cm/8". - 2	tonsil suture needle, left and right length 20-25cm Irwin Moore or similar may be mentioned
19	Needle, Suturing. Tonsil. Irwin Moore. Curved Lt. 20cm/8". - 2	tonsil suture needle, left and right length 22-25cm Irwin Moore or similar may be mentioned
21	Curette, Adenoid; with cage. St. Clair Thomson. CP/SS Handle. 10mm, 24cm/9.25". - 2	Adenoid curette length 21cm to 22cm size 1,2,3,4,5
22	Curette, Adenoid; with cage. St. Clair Thomson. CP/SS Handle. 12mm, 24cm/9.25". - 2	Adenoid curette length 21cm to 22cm size 1,2,3,4,6
23	Curette, Adenoid; with cage. St. Clair Thomson. CP/SS Handle. 14mm, 24cm/9.25". - 2	Adenoid curette length 21cm to 22cm size 1,2,3,4,7
24	Curette, Adenoid; with cage. St. Clair Thomson. CP/SS Handle. 16mm, 24cm/9.25". - 2	Adenoid curette length 21cm to 22cm size 1,2,3,4,8
25	Curette, Adenoid; with cage. St. Clair Thomson. CP/SS Handle. 18mm, 24cm/9.25". - 2	Adenoid curette length 21cm to 22cm size 1,2,3,4,9
26	Forceps, Peritonsillar Abscess. St. Clair Thomson/Quincy. - 2	St.Clair Thomson/Quincy or similar
27	Cannula, Suction. Yankauer. CP. 27cm - 2	yankauer suction tube
28	Tongue Depressor. Lack. Set of 3. - 2	Tongue Depressor. Lack. Set of 3 -2 compatible with the mouth gag
29	Tongue Depressor. Flat. 12.5cm/5". - 2	Tongue Depressor. Flat. 12.5cm/5".-2 compatible with the mouth gag
30	Tongue Depressor. Flat. Dcv. 18cm/7". - 2	Tongue Depressor. Flat. Dcv. 18cm/7".-2 compatible with the mouth gag
31	Forceps, Swab Holding. Krause. 28cm/11". - 2	Swab Holding forceps Krause or similar may be mentioned
33	Uvula Retractor 1 3/4) Bayonett forceps - 2	Uvula Retractor length 12.5cm
34	Bayonett forceps	Bayonett forceps length 160-170mm
	The instrument should be CE & FDA approved	The instrument should be European CE from notified body & US FDA approved

**Item No.: 24 General Instruments for ENT (Head & Neck)**

Sr. No.	Tender Specification	To be Read As
1	BP Handle	BP Handle with surgical handle for blades
7	Babcock tissue forceps	Tissue forceps
9	Lahey's tissue forceps	Tissue forceps
11	Joll's retractor	Retractor
15	Gigli saw holder	Deleted
	The instrument should be CE & FDA approved	The instrument should be European CE from notified body & US FDA approved

**Item No.: 27 Advanced Dental Chair Unit (Compressor Suction RVG Portable IOPA)**

Sr. No.	Tender Specification	To be Read As
17.	Should have integrated 300 Watt power supply for Fibre optic Handpieces, Piezo Scaler, electric motor etc.	Should have integrated power supply for Fibre optic Handpieces, Piezo Scaler, electric motor etc.
	<b>Dental Unit</b>	
7	Micro motor with speed range of 300 to 40,000 rpm in standard mode	Micro motor with speed range of 100 to 40,000 rpm in standard mode
12	All water tubes should have an antimicrobial additive that becomes part of the tubing material itself and inhibits the ability of bacteria to attach to the tubing surface by ionic silver exchange	All water tubes should have an antimicrobial additive that becomes part of the tubing material itself and inhibits the ability of bacteria to attach to the tubing surface by ionic silver exchange /There should be built in infection control system
	<b>Cuspidor</b>	
07	Flat panel Monitor mount that rotates approx 360 degrees	Flat panel Monitor mount that rotates approx 270 degrees

**Item No. 35. ICU VENTILATOR**

Sr. No.	Tender Specification	To be Read As
	<b>Point: Ventilation Mode:</b> Pressure support with Volume assured (VAPS)	<b>Point: Ventilation Mode:</b> Pressure support with Volume assured (VAPS)/ MMV/ Auto mode/ Intelligent ASV
	<b>Ventilation Settings &amp; Ranges</b> Programmable sigh	Deleted.
	<b>Point: Ventilation Mode:</b> Pressure regulated volume control (PRVC)	Pressure regulated volume control (PRVC)/ Auto flow
	<b>Point: Ventilation Settings and Ranges</b> Inspiratory Trigger (Pressure and flow trigger)	<b>Point: Ventilation Settings and Ranges</b> Inspiratory Trigger (Pressure or flow trigger)
	<b>Point added:</b>	Complete system including air compressor ,trolley and hinged arm should be from same manufacturer

**Item No. 36 Ventilator (Adult and Ped )/Non-Invasive Ventilator**

Sr. No.	Tender Specification	To be Read As
1	<u>Ventilator (Adult and Ped )/ Non Invasive Ventilator</u>	<u>Specification of ICU Ventilators including amendments to be used</u>

**Item No. 37 Modular Multiparameter ICU Monitors (6no.) with Central Station including Cabling & UPS**

Sr. No.	Tender Specification	To be Read As
3.16	Trend of at least 72 hours	Trend of at least 48-72 hours

**Item No. 38 Connectivity, Remote monitoring and Notification system – Central Monitor with 06 Bedside Monitors for Ward (Masimo Technology Product) + 03 Bedside Monitors for Post-Operative Room**

Sr. No.	Tender Specification	To be Read As
	Point Added : Screen/display size	Screen/display Size 19”
	Point Added	system required modular

**Item no. 40 Syringe Infusion pump**

Sr. No.	Tender Specification	To be Read As
3.	US-FDA approved product	US FDA or European CE from notified body approved product.

**Item no. 44 ENT Treatment Unit**

Sr. No.	Tender Specification	To be Read As
2	Medication reservoir be made of stainless steel, should be detachable and suitable for all type of medications.	Medication reservoir be made of stainless steel / glass/ autoclavable material and should be detachable and suitable for all type of medications.
4	Separate stainless steel tank to prevent mineral build up and heat up to 38 degree temp	Separate stainless steel tank to prevent mineral build up and heat up to 37 or more degree temp
6	Endoscopy centre with cold light source with two outlets with 300 LED/XENON/HALOGEN light bulb	Endoscopy centre with cold light source with two outlets with each LED LIGHT EQUIVALENT TO 150W OF HALOGEN LAMP
<b><u>ENT PATIENT EXAMINATION CHAIR</u></b>		
1	Backrest adjustable and can be made to incline 10 degree forward to vertical position and backward completely to a horizontal position and can be rolled back	Backrest adjustable and can be made to incline 5 degree or more forward to vertical position and backward completely to a horizontal position and can be rolled back Chair should have castors/wheels
<b><u>ENT EXAMINATION MICROSCOPE</u></b>		
1	The ENT examination microscope with integrated, fanless high transmission, high performance LED illumination in the microscope head.	The ENT examination microscope with integrated, fanless high transmission, high performance LED illumination in the microscope head OR in the control panel.
2	In built LED light source with SD camera OR HD camera with a facility to take images, video & transfer the same to any smart phone via the wi fi card.	In built LED light source with HD camera with a facility to take images, video & transfer the same to any smart phone via the wi fi card.
<b><u>Display and recording system</u></b>		
1	High resolving 1/3" CCD camera with high light sensitivity with HD-LED monitor (min. 32").	High resolving 1/3"for one unit consisting of ENT Treatment unit, Patient Chair , Doctors Stool, ENT Microscope, Display and recording system and rigid endoscopes camera with high light sensitivity with HD-LED/LCD monitor (min. 15").
<b><u>STROBOSCOPY</u></b>		
		Deleted

**Item no. 45 Brainstem Evoked Response Audiometer (BERA) with ASSR**

Sr. No.	Tender Specification	To be Read As
1	(xviii) Essential facility for OAE and NCT and should be upgradable to VNG	Essential facility for OAE and NCT Bera with OAE and ASSR(within same Hardware)
2	All accessories should be from the same manufacturer and should be European CE/ US FDA approved.	All accessories should be good quality and should be compatible with the equipments

**Item no. 47 Impedance Tympanometer/Audiometer**

Sr. No.	Tender Specification	To be Read As
1	Probe Frequency- 226Hz,678Hz,800Hz,1000Hz	Probe Frequency- 226Hz,1000Hz
2	All accessories should be from the same manufacturer and should be European CE/ US FDA approved	All accessories should be good quality and should be compatible with the equipments

**Item no. 48 OAE- Otoacoustic Emission (Screening unit)**

Sr. No.	Tender Specification	To be Read As
1	1.5 to 4 kHz	1 KHz to 5 KHz
2	Stimulus Level- ca. 80 dB SPL peak	Deleted
3	DP 2 to 5 kHz	DP 500Hz-12 KHz
4	Frequency Ratio f2/f1- 1.2	Frequency Ratio 2F2-F1
5	Level Ratio L2/L1- Scissor Paradigm	Deleted
6	Frequencies f2- 1.5, 2, 3, 4, 6, 8, kHz (single & multiple selections possible)	Frequency for 500-12KHz
7	Stimulus Levels L2- 35 to 65 dB HL (in steps of 5dB)	Stimulus intensity 30-70 Db HL or more for DPOAE
9	Maximum output (Protection): 90 dB SPL.	Maximum intensity 90 dB SPL
10	All accessories should be from the same manufacturer and should be European CE/ US FDA approved	All accessories should be from the same manufacturer and should be European CE/ US FDA approved and All accessories should be good quality and should be compatible with the equipments.

**Item no. 49 Flexible Nasopharyngolarvngoscope (Adult – 2no. & Pediatric – 2 no.)**

Sr. No.	Tender Specification	To be Read As
6	Deflection: Upward upto 150 deg, Downward upto 150 deg	UP/DOWN is 180/100 degrees

**S. No. : 51 Video Nystagmographic Machine (VNG)**

Sr. No.	Tender Specification	To be Read As
1	With sensitivity of minimum 105 images per second binocular, minimum 174 images per second monocular.	Fast binocular eye tracking with 100 image per second minimum 174 images per second monocular.
2	Goggle with one camera and goggle with two cameras (non occluded and occluded view).	Goggle with two camera for non occluded and occluded view
3	Rotary chair, irrigation for water and air included.	Rotating chair with Air irrigation
4	Water caloric tracking	deleted

Commercial Amendments, if any, will be issued separately.

All other terms and conditions of the tender enquiry of tender document & and submission date shall remain unchanged.

Prospective bidders are advised to regularly visit website [www.tenderwizard.com/HSCC&www.hscltd.com](http://www.tenderwizard.com/HSCC&www.hscltd.com) for corrigendum/amendments etc. if any, as there will be No separate advertisement for them.

Senior Chief Executive  
Ministry of Health & Quality of Life  
Govt. of Republic Mauritius , Mauritius

