

DEPARTMENT OF ANAESTHESIA

S No	Item code	Name of Equipment	Specification	Corrected after Pre-bid Meeting.	Qty
1	ANS 1	ANAESTHESIA WORKSTATION	Ventilator should be driven electrically requiring no gas with battery Backup of longer period	“Ventilator should be driven electrically or pneumatically, but the one with both the mechanisms will be preferred and the electric mechanism must have a battery backup with a longer period (as maximum as possible) which is the basic operating requirement for any life saving supporting equipment. “ <u>Rest of the specification remain same as tender document.</u>	1

DEPARTMENT OF ANATOMY

S No	Item code	Name of Equipment	Specification	Corrected after Pre-bid Meeting.	Qty
5	ANT 5	Fully Motorized Programmable automatic Rotary Microtome.	Section thickness setting range 0.5 mm-99 mm. Setting values 0.5mm – 1 mm in 0.5 mm increments 0.5 mm-99 mm in 1um increments. Trimming Section 0.5mm – 99mm Thickness setting range o.5 mm – 1 mm in 1 mm increments. Horizontal specimen feed – approx.30 mm. Vertical Specimen feed Approx 60 mm. Maximum specimen size 50 mm (L)X 60 mm (H) x 40mm (W), Specimen orientation Horizontal 8 ⁰ Vertical 8 ⁰ , Z: 360 operation Voltages – 100V/120V/230V/240V/ frequency 50/60 Hz, Dimensions Width 390 mm, Depth 510mm, Height 305 mm Weight approx. 37 Kg.	Sectioning Modes – 3 total (1 manual mode, 2 motorized modes) (continuous & single).	1

DEPARTMENT OF E.N.T

S No	Item code	Name of Equipment	Specification	Corrected after Pre-bid Meeting.	Qty
1	ENT 1	ENT OPD UNIT	(506.7500.0A), Unit cabinet, Head lamp (506.0515.5) and surgeon's chair, + Operating microscope with a set of 0°, 30°, 70° Nasal endoscope	Unit cabinet, head lamp and surgeon's chair, + operating microscope with a set of 0°, 30°, 70° nasal endoscope.	6
4	ENT 4	ENDOSCOPIC CAMERA	Endo Camera 3 chip 3 chip camera vision system mode I1088 I high definition includes 1088 HD camera control unit 220v camera head w/24mm coupler, 3.15mtr. Cable. <u>HD Features digital, Progressive scanning:</u> Digital: Hi definition (HD) video – 1280 x 1024 native resolution incredible small and ergonomic camera head- for superior comfort and control Standard aspect ratio-allows you to maximize existing video equipment Progressive scal technology-optimum image quality with superb resolution	Endo Camera 3 chip 3 chip camera vision system model high definition includes 1088 HD camera control unit 220v camera head w/24mm coupler, 3.15mtr. Cable. <u>Full HD video - 1280 x 1024 native resolution incredible small and ergonomic camera head- for superior comfort and control Standard aspect ratio-allows you to maximize existing video equipment Progressive technology-optimum image quality with superb resolution</u> <u>Rest of the specification remain same as tender document.</u>	1
8	ENT 8	ESOPHAGOSCOPY SET		Specifications of Item Code – ENT 9 should be treated specifications of ENT 8 and item code ENT 9 should be treated deleted. Oval Esophagoscopes with Fiberoptic, light carrier distal illumination with handle length 35cm, OD 10mm, Same OD 8mm x 10mm x 14mm (adult & paediatric) length 50cm, 55cm, 30cm and OD 12mm	3 SETS
16	ENT 16	Fiber optic light cable		4.8mm x 250cm	6
17	ENT 17	Cold light fountain	1. Halogen 250 twin including 400 a mains cord (white light)	1- Halogen 250 twin including 400 a mains cord <u>Rest of the specification remain same as tender document.</u>	2

DEPARTMENT OF FORENSIC MEDICINE

S No	Item code	Name of Equipment	Specification	Corrected after Pre-bid Meeting.	Qty
6	FOR 6	Microtome with knife	Leica RM 2245	Make & model is deleted from tender document. <u>Rest of the specification remain same as tender document.</u>	1
9	FOR 9	Cold Storage for Keeping dead bodies	The chamber for two and four dead bodies.	The chamber for four dead bodies. <u>Rest of the specification remain same as tender document.</u>	4
13	FOR 13	Toxicology lab instrument		Should be treated deleted from tender document.	1 set

DEPARTMENT OF MEDICINE

S No	Item code	Name of Equipment	Specification	Corrected after Pre-bid Meeting.
1	MED 1	Defibrillator	The defibrillator should be biphasic and have rectilinear Biphasic waveform.	The defibrillator should be biphasic and have Biphasic waveform. <u>Rest of the specification remain same as tender document.</u>
4	MED 4	Bed Side Cardio Monitor	The monitor system should be US FDA approved for quality Assurance.	No change
9	MED 9	Ventilator	Fast response time combined with high peak flow up to 250 l/min, offer amazing performance. Very sensitive inspiratory & expiratory triggers, allow effective and effortless breathing Amazing sensitive pressure flow sensors and fast response time make it very gentle and synchronized ventilation despite of very efforts by patients. Patented " Flow by technology " makes at virtually effortless triggering in tracheostomized patients. Real time display of curves and loops with unique software. Display Pressure / time. Flow /time. Compliance loop (volume / pressure). Flow volume loop. Measured parameters, calculated parameters, trends, Alarms, Remote control	Usage for MICU (adult version). Dual mode invasive and non-invasive. Function on display.
12	MED 12	Upper GI Endoscope	1-B R.G.B. O/P processor and light source : 1. Should have the following features and specifications : Processor / light source unit : Integrated or separate units with Xenon or halogen. Processing : Digital signal processing. Image display size/s : Full or small screen display on monitor. Video out puts : RGB out put essential for compatible with RGB monitors. Edge enhancement : three steps. Light control system : Automatic and manual control. Cooling system : Forced air cooling. Iris control, white balancing, "ON SCREEN " colour control (10-14 incr. Steps). Spare lamp facility with Quick changeover system from Lamp 1 to Lamp 2 and vice versa. Compact & light weight. 1-C. Monitor : 14" RGB (Medical grade).	No changes

13	MED 13	Colonoscope RGB O/P processor and light source CD Rom /Writer	Slimmer / light weight and fully immersible 3-4 remote switches on control body Graduated stiffness for better operational control Field of view wide 145 degree or more Depth of field : 3 mm to 100 mm or better Working length : 1675 mm or more Image display size : Full and small screen display Spare Lamp : Halogen 150 watts	No changes
15	MED 15	ERCP Set up with C-arm cauty, ERCP Scope with processor and other accssories	Stand Xenon light source	Stand Xenon light source with inbuilt processor. <u>Rest of the specification remain same as tender document.</u>
17	MED 17	Pulmonary function test (PFT) Machine	Dynamic & Static Function Dynamic FEV 1 FEV1/FVC FVC FER 25-75 FER 25 FER 75 MVV PIF & Others Static Function Whole body Plethysmography DLCO Estimation Computerized fully automatic	Single combined unit for whole body plethysmography & DLCO.

DEPARTMENT OF MICRO-BIOLOGY

S No	Item code	Name of Equipment	Corrected after Pre-bid Meeting.	Qty.
11	MIC 11	Rapid Automated Blood Culture System	Bactec treated as deleted from tender document. <i><u>Rest of the specification remain same as tender document.</u></i>	1
12	MIC 12	Mycobacterium Culture	Midget treated as deleted from tender document <i><u>Rest of the specification remain same as tender document.</u></i>	1
14	MIC 14	<u>PCR Turnkey Setup</u>	A building for the PCR lab will be provided by the medical college. <i><u>Rest of the specification remain same as tender document.</u></i>	1

DEPARTMENT OF OBSTETRICS AND GYNAECOLOGY

S No	Item code	Name of Equipment	Specification	Corrected after Pre-bid Meeting.	Qty
2	O&G 2	C T G machine	As per standard specification	<ul style="list-style-type: none"> - Large colour graphical display - Thermal chart recorder - 3 channels : FHRI, FHR II, UC - Data saving for 450 Hrs - Interface via RS-232C and Bluetooth - Event marker - Waterproof probe (universal) - Adjustable out of range alarming - Auto-detection of dual fetal movement - Interpretation software 	2
3	O&G 3	Operating laparoscopy set	Containing the following items: Telescope 10mm 0deg SET Trocar and Cannula 50 mm - Disposable Trocar and Cannula 50 mm - Non disposable Trocar and Cannula Reducers Veres Needle 120 mm Maryland Fixation Forceps cvd Atraumatic Fixation Forceps Grasping Forceps Grasping Forceps Hook Scissors Insert for Claw forceps High Frequency Cord Unipolar Laparoscopy Electrodes with Hook Suction and Irrigation Tube Single clip Applicator Titanium Medium Large Clips Bipolar Grasping Forceps Fiber Optic Light Xenon Light S ce CO2 Insufflator Col Monitor 14" Digital Camera Endoscopic Trolley Stabilizer 5 KVA CO2 Cylinder	<ul style="list-style-type: none"> - Full HD Digital Camera System. - 01 - Insufflator - 01 <ul style="list-style-type: none"> • Optical and acoustic warming signals in the event of patient overpressure • Fully automatic, electronically controlled gas refill (e.g. in case of gas loss when changing instruments) • Safety – constant monitoring of intra-abdominal pressure; any overpressure is reduced immediately. • Gas flow/min-0-20 ltrs, pressure (mmHg) 0-30 - Telescope - 10mm should have variable direction of view from 0° - 120°, length 31-33cm. – 01 - VERESS Pneumoperitoneum needle with spring loaded blunt stylet, LUER-lock, length 13cms. – 02 - Trocar with pyramid tip, size 11mm, cannula with stop cock, stainless steel, autoclavable. – 02 - Trocar with pyramid tip, size 6mm, cannula with stop cock, stainless steel – 03 - Click-on hanging reducer attachable to the cannula hub near the proximal end below the outer seal. 11mm to 5mm. – 01 - Dissecting and grasping forcep kelly, rotating, dismantling in 3 parts (insert, outer tube, handle) 	6

				<p>with connector pin for unipolar coagulation, size 5mm, length 36cm. – 01</p> <ul style="list-style-type: none"> - Grasping forcep with 2 x 4 teeth, double action jaw, with removable ratchet handle, rotating, dismantling in 3 parts with connector pin 5mm. – 01 - Grasping forcep Maryland rotating with connector pin for unipolar coagulation, size 5mm, length 36cm, atrau-matic fenestrated, curved, single action jaws, with removable ratchet handle, rotating, dismantling in 3 parts, size 5mm, length 36cm. – 01 - Dissecting and grasping forcep rotating, babcock dismantling in 3 parts, size 5mm, length 36cm. – 01 - Scissor, curved, length of blades 12mm, rotating, dismantling in 3 parts, size 5mm, length 36cm. – 01 - High frequency cord unipolar for HF units. - 01 - Suction & irrigation cannula for puncture of cyst. - 01 - Irrigation and suction tube with lateral holes with two way stop cock, anti reflex surface, length 36cm. - 01 - Dissecting spatula, blunt, size 5mm, length 36cm with trumpet valve. - 01 - Bipolar coagulating forceps, cross serrated, width of jaws 3mm, with non retracting jaws, dismantling in 4 parts (Handle, outer tube, inner tube, insert). - 01 - High frequency cord, bipolar. – 01 - Needle holder, ergonomic handle with ratchet, left curved jaws, with tungsten carbide inserts, size 5mm, length 33cm for use with suture material 0/0 – 7/0. - 01 - All the quoted items should be strictly from the same company and USFDA approved. 	
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4	O&G 4	Hystroscopy set	<p>Telescope should be 4mm, angle of view should be 30 degree, 70° & 0° working length should be 300mm.</p> <p>Continuous irrigation sheath should be for 7Fr. Instruments, ramp for deflection of instruments, auomatic connection, rotatable outflow & automatic sealing device for instrument channel</p>	<p>Telescope should be 4mm, angle of view should be 30 degree & 12 degree, working length should be 300mm.</p> <p>Continuous irrigation sheath should be for 7Fr. Instruments, ramp for deflection of instruments, automatic connection, rotatable outflow & underwater cautery for instrument channel</p> <p><u>Rest of the specification remain same as tender document.</u></p>	3
5	O&G 5	ETCO2 monitors	<p>It should have bright, highly visible touch screen with 12.1" color TFT display touch screen for easy viewing from a distance. The monitor should display atleast 8 waveforms traces on a single screen The monitor should have upto 12 slots for modules for flexible configuration. There should be a provision for built-in 3 channel thermal recorder.</p> <p>There should be hot keys & Icons on buttons and Iconic symbols on touch screen as well.</p>	<p>It should have bright, highly visible with 12.1" color TFT display touch screen for easy viewing from a distance. The monitor should display atleast 6 waveforms traces on a single screen The monitor should have upgradability upto 12 slots for modules for flexible configuration. There should be a provision for built-in single channel thermal recorder. (Upgradable)</p> <p>There should be hot keys & Icons on buttons.</p> <p><u>Rest of the specification remain same as tender document.</u></p>	6

DEPARTMENT OF PATHOLOGY

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6	PAT 6	GENETIC LAB SET UP	<p>REAL TIME PCR</p> <table border="1"> <tr> <td>Instrument</td> <td>Real time PCR</td> </tr> <tr> <td>Supported Volumes</td> <td>20 – 100 µL.</td> </tr> <tr> <td>Optical System</td> <td>Tungsten-halogen lamp excitation source.</td> </tr> </table> <p>ULTRA HIGH SPEED CENTRIFUGE</p> <table border="1"> <tr> <td>Maximum RPM</td> <td>50000 rpm.</td> </tr> </table>	Instrument	Real time PCR	Supported Volumes	20 – 100 µL.	Optical System	Tungsten-halogen lamp excitation source.	Maximum RPM	50000 rpm.	<p>REAL TIME PCR</p> <table border="1"> <tr> <td>Instrument</td> <td>Real time PCR</td> </tr> <tr> <td>Supported Volumes</td> <td>20 – 100 µL. Lower volumes are acceptable with range lying between 10-100 microlitres.</td> </tr> <tr> <td>Optical System</td> <td>Tungsten-halogen lamp excitation source/LED.</td> </tr> </table> <p>ULTRA HIGH SPEED CENTRIFUGE</p> <table border="1"> <tr> <td>Maximum RPM</td> <td>50000 rpm and above.</td> </tr> </table> <p><i>Rest of the specification remain same as tender document.</i></p>	Instrument	Real time PCR	Supported Volumes	20 – 100 µL. Lower volumes are acceptable with range lying between 10-100 microlitres.	Optical System	Tungsten-halogen lamp excitation source/LED.	Maximum RPM	50000 rpm and above.	1
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7	PAT 7	Nephelometer		No change																	
15	PAT15	Cryostat	Built in microtome with 2-20 micron size with digital control system along with knife and defrosting system.	No change.	2																

DEPARTMENT OF RADIODIAGNOSIS

S No	Item code	Name of Equipment	Corrected after Pre-bid Meeting.	Qty.
1	RAD 1	<p align="center"><u>Multiplate Loading Computed Radiography system with High Resolution multi film size Dry imager</u></p>	<p>1. Image recording system (Cassettes & Imaging Plates)</p> <p>The following sizes of Radiography Cassettes / Dental Cassettes along with Image Plates should be supported by the unit. Phosphor image plates or Needle Image Plates of following size and quantity are needed:</p> <p>Sizes :</p> <p>35 cm x 43 cm or 14" x 17" – 4 plates</p> <p>24 cm x 30 cm or 10" x 12" – 4 plates</p> <p>18 cm x 24 cm or 08" x 10" – 2 plates</p> <p>Mammography high resolution plates – 1 plate</p> <p>Please submit rates for CR accessories (Cassettes Only, Image Plates Only – Phosphor / Needle, Cassette – Image Plate Set – Phosphor / Needle) separately. Price for the proposed purchase or accessories will be taken into consideration for commercial evaluation process.</p> <p>2. Image Reading (CR Reader / Digitizer)</p> <p>It should have Input/Output buffer or Cassette slots for 4 Cassettes at each or more for Loading/unloading of Multiple Cassettes at one time.</p> <p>Gray scale Resolution: CR Reader / Digitizer should have a minimum resolution of 12 Bits / pixel for images sent to the CR processing station.</p> <p><u>Rest of the specification remain same as tender document.</u></p>	1

DEPARTMENT OF SURGERY

S No	Item code	Name of Equipment	Corrected after Pre-bid Meeting.	Qty.
1	SUR 1	PCNL set with Endovision system PCNL Set:	PCNL set with Full HD System with Recording Device <u>Rest of the specification remain same as tender document.</u>	1

1. No Change in Tender terms & Conditions,
2. Conditional tender will be rejected,
3. Bidder can quote more than one model for one item in hard copy