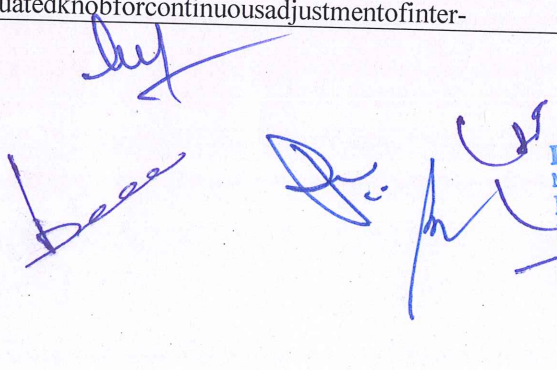


SPECIFICATION FOR ENT TREATMENT UNIT

S.No	Item	Specifications	Qty.
1.	E.N.T.Zooming Operating Microscope	<p><u>FLOORSTAND</u></p> <ol style="list-style-type: none"> 1. Rollable floor stand on base with lockable castors, carrier and swivel arms with large reach of 1.30 m or higher, Weight carrying capacity at least 18 Kg. Should have freefloat magnetic system with Six magnetic brakes ThreebrakesforMicroscopebody&threeforMicroscopeStandwith,releaseof magnetic brakesbyhandgrips. 2. Manipulation to any position with locking for trouble freeoperation 3. Suitably Placed LCD display of function and parameters,individual programmingfordifferent Surgeons. <p><u>MICROSCOPEBODY</u></p> <ol style="list-style-type: none"> 1. MotorizedZoomMagnificationsystemwithadvancedapochromatic optics. Zoom magnification factors 0.4x to2.4xactivation byhandgripandfootcontrolpanel. 2. Total Magnification range 2 X to 18 X or better activatedbyhandgripandfootcontrolwithoutexchangeofobjective lens.Integratedcontinuouslyvariableilluminationfield from60mm-15mmor less. 3. Internal Motorized fine focusing system activated byhandgripand footcontrolcontinuously. 4. Adjustableworkingdistancefrom200-225mmto500-525mmmorewithoutexchangeofobjective lens,integrated continuously variable illumination field spotsize 5. Integrated 50:50 beam splitter with two additional outputinbuiltforconnectionofco-observationdeviceandvideo. 6. Binocular Stereo co observation system movable in allaxisfor assistantsurgeon/teachingpurpose Future up gradation to XY module Frequency range between 50-60 Hz. Automatic Circuit Breaker Adjustablefrictionofalljoints Microscopeshouldbemovableonaninclinedcouplingfor positioninginlateral direction. Themaximum stretchinglengthofthehorizontalarmtobe notless than 1000mm. Theswivelanglesof the carrier armnotless than300degree. Balanced microscope with integrated technology tomanoeuvrhemicroscopeinalldirectionswithminimal force. <p><u>BINOCULARTUBE</u></p> <ol style="list-style-type: none"> 1. 180 Degree or more tilt able binocular tube with focallength= 200 mmormore 2. Graduatedknobforcontinuousadjustmentofinter- 	1



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pupillary distance from 55 mm to 75 mm.

EYEPIECE

1. Pair of wide field push in eyepiece 10X with magnetic locks
2. Diopter setting from -8D to +5D, also suitable for spectacles wearers

ILLUMINATION SYSTEM

1. Coaxial xenon illumination minimum 300 Watt with a backup quick easy lamp changer Xenon bulb

HANDGRIPS

1. Easily adjustable hand grips with keys for zoom and focus, illumination and magnetic brakes
2. Programming for magnetic brake for control of stand and microscope body brakes

Fine Easy auto-balance function with touch of a button/touch screen panel.

FOOT CONTROL PANEL

Full function foot control panel with Control keys for zoom, focus, movements and light intensity

INTEGRATED DIGITAL VIDEO CAMERA SYSTEM:

Advanced digital 3 CCD full HD Video camera should be integrated in the microscope body, suitable for connection to PC, colour monitor.

USER PROGRAMMING: Programming for starting illumination, Magnification, working distance, Zoom speed & Focus speed for at least 8-9 different users.

VIDEO/IMAGEDATA MANAGEMENT SYSTEM:

should have fully integrated digital video recording system & still photo with direct recording on USB hard drive & Pen Drive & optional networking facility.

VIDEO MONITOR: Medical grade Full HD 17" or more display should be mounted on Microscope stand.

UPS & CVT:

Suitable UPS with One hour backup time with SMF Batteries & Stand. Should be able to work on wide input range between 160-270 VAC at frequency between 50Hz ± 2Hz, Should use PWM technology with power conversion with single transformer arrangements with an output of 220VAC ± 5%, protection of overload, short circuit and low battery. Should have indication on front panel for mains load/battery load/battery overload-low and MCB protection in case of short circuit. ISI/CE approved good quality Indian make. Compatible CVT should be supplied for protection from voltage fluctuation.

Above microscope should be compatible for attachment of LASER.

Power requirement 220-240 volts 50Hz USFDA & European

CE approval.

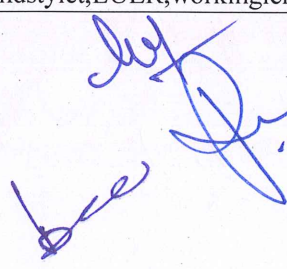
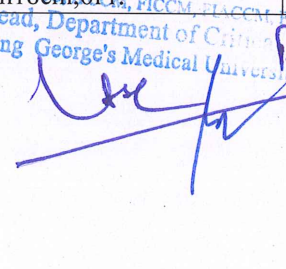
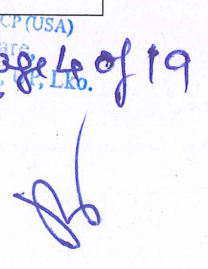
Any Other accessory must for smooth functioning/maintenance of the equipment

Sterile drapes -- 20 numbers Physical Demonstration if needed.

S.No	Item	Specifications	Qty.
2.	Endoscopes & Instruments for FESS, Endoscopic Anterior Skull Base Surgery and MLS	FESS & MLS Endoscopes & Instruments: Telescope 0° 4.0mm & 2.7 mm: Straight forward telescope, 0 degree enlarged view, size: 4 & 2.7mm rod lens system, Length: 18-19cms, Autoclavable, Fiberoptic light transmission incorporated.	1 Each
		Telescope 30° 4.0mm & 2.7mm Forward oblique 30 degree enlarged view, size: 4 & 2.7mm rod lens system, Length: 18-19cms, Autoclavable, Fiberoptic light transmission incorporated.	01 each
		Telescope 45° 4.0mm: Straight Forward Telescope 45 degree enlarged view, size: 4mm rod lens system, Length: 18-19cms, Autoclavable, Fiber Optic Light Transmission Incorporated	01
		Telescope 70° 4.0mm: Straight Forward Telescope 70 degree enlarged view, size: 4mm rod lens system, Length: 18-19cms, Autoclavable, Fiber Optic Light Transmission Incorporated	01
		Telescope 15° 4.0mm Straight Forward telescope 15 degree diameter 4mm and length 17 cms, should be autoclavable and should have 45 degree angle eyepiece. Fiberoptic light transmission incorporated.	01
		Telescope handle for 4mm telescope round as well as flat	01 Each
		Hartmann Nasal speculum	01
		Septum needle angular LUER – lock	02
		Freer elevator double-ended	01
		Sickle Knife pointed-19cm	02
		Antrum curette	01
		Frontal sinus curette	01
		Suction tube with mandrel and cut-off hole	02
		Antrum cannula LUER-lock-4nos	02
		Blakesley nasal forceps: straight	02
		Blakesley nasal forceps: 45 DEGREE UPTURN & DOWNTURN	01 Each
		Blakesley nasal forceps: 90 DEGREE UPTURN & DOWNTURN	01 Each
		Suction punch	02

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	Nasalcuttingforceps	02
	Nasalscissorsstraight-workinglength13cm	01
	Stammberger Antrumpunch, --leftandrightsidebackward cutting	01each
	Biopsyandgraspingforceps-vertical opening,malleable sheathand cuppedjars	01
	STAMMBERGERPunch,circular cuttingdiameter3.5mm workinglength18cmStraight &curved	01 Each
	StammbergerAntrumpunch,downwards&forwardscutting -left &right	01 Each
	StammbergerBipolarsuctionforceps,15deg,45deg upturned11-13cm	01 Each
	Bipolaruniversal highfrequencycord	01
	Bipolarcoagulationforceps,insulatedangular,bluntwith integratedsuctionchannel,cutoffholelength19 cm	01
	Suction and Irrigation Sheath 0°, for endoscopic diagnosisand surgery of the paranasal sinuses and anterior skull base,oval,O.D.4.8mmx6mm,withseparatechannelforsuction andirrigation,forusewithhandle.	01
	SuctionandIrrigationSheath30°,forendoscopicdiagnosisand surgeryoftheparanasalsinusesandskullbase, oval, O.D. 4.8 mm x 6 mm, with separate channel for suction andirrigation,for use with handle.	01
	SuctionandIrrigationHandle,withPush-ButtonPressure Valve,forusewithsuctionandirrigationsheath.	01
	Adaptor,autoclavable,facilitateschangingoftelescopesin sterileconditions	01
	Elevator,double-endedsemi-sharpandblunt,length26cm	01
	Take-apart Bipolar Forceps, width 1 mm delicate jaws,distallyangled45°,horizontalclosing,outerdiameter3, 4mm,workinglength20cm,consistingof: Handle,Outer Tube,Inner Tube&BipolarInsert.	01
	Bipolar High Frequency Cord with 2 x 4 mm banana-pluglength300cm.	01
	Coagulation Ball Electrode, diameter 2 mm, laterally curved,workinglength13 cm	01
	Unipolar HighFrequencyCord,with4 mmplug,length 300 cm.	01
	InsulatedCannulaforsuctionandcoagulation,O.D.:3mm, 90°curved,workinglength16cm	01
	Suction Tube, malleable, with conical tip, with elongated cut-offholeandstylet,LUER,workinglength 18cm, 10Fr.	01
	SuctionTube,malleable,withconical tip,withelongatedcut-offholeandstylet,LUER,workinglength18cm,6Fr.	01

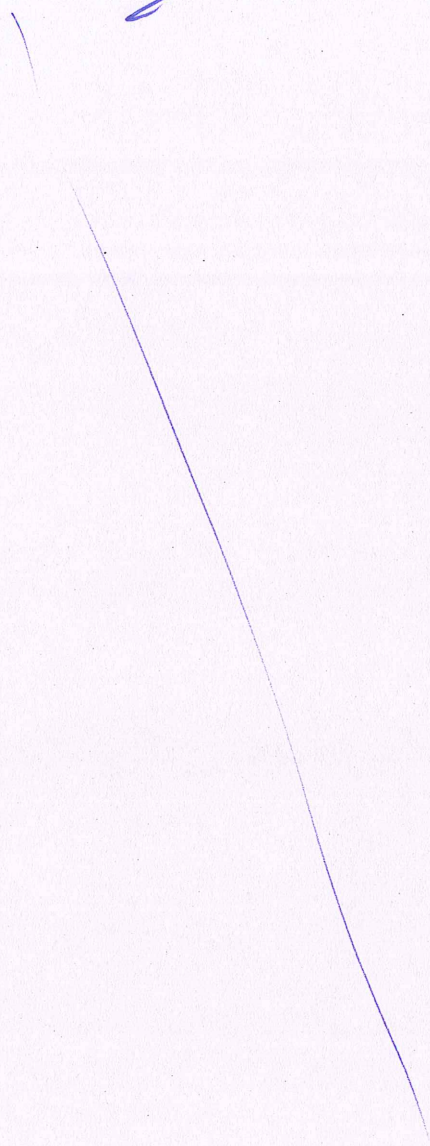




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	Suction Tube, malleable, with elongated cut-off hole and stylet, LUER, working length 15 cm, 4 Fr.	01
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	Suction Tube, with cut-off hole, drop-shaped, with distance markings, LUER, conical distal end, tip curved upwards, ball end, 2.4 mm, working length 15 cm	01
	Punch, upbiting 60° forward, size 1 mm, working length 17 cm	01
	Punch, upbiting 60° forward, size 2 mm, working length 17 cm	01
	Punch, downbiting 60° forward, size 1 mm, working length 17 cm	01
	Punch, downbiting 60° forward, size 2 mm, working length 17 cm	01
	Hook, 90°, blunt, length 25 cm, with round handle	01
	Mintz Micro Raspatory, 2 mm wide, curved, left, length 27 cm	01
	Scissors, 45°, delicate, Sheath 360° rotatable, working length 18 cm	01
	Round Knife 5°, width 2 mm, working length 10 cm, total length 20 cm	01
	Dissector, sharp, round spatula, tip angled 45°, size 3 mm, with round handle, length 25 cm	01
	Elevator, sharp, slightly curved spatula, straight, size 3 mm, with round handle, length 25 cm	01
	Curette, round spoon, tip angled, size 3 mm, with round handle, length 25 cm	01
	Curette, round wire, ID 5 mm, tip angled 90°, with round handle, length 25 cm	01
	Curette, round wire, ID 3 mm, distally curved shaft, with round handle, length 25 cm	01
	Curette, round wire, ID 5 mm, tip laterally angled 90°, with round handle, length 25 cm	01
	Ring-Curette, round wire, ID 5 mm, vertical long curved, with round handle, length 25 cm	01
	Curette, stirrup-shape, blunt, with round handle, length 25 cm	01
	Ring curette, distal end curved, vertical, OD 2.6 mm, working length 15 cm	01
	Curette, round wire, ID 3 mm, tip angled 90°, with round handle, length 25 cm	01
	Minature Forceps, through-cutting, with fine flat jaws, bite 1 mm, straight, working length 18 cm	01
	Nasal Forceps, with extra fine flat jaws, through-cutting, tissue sparing, width of cut 1.5 mm, straight sheath, straight jaws, with cleaning connector, working length 18 cm	01
	Nasal Forceps, with extra fine flat jaws, through-cutting, tissue sparing, width of cut 1.5 mm, straight sheath, jaws angled upwards 45°, with cleaning connector, working length 18 cm	01
	Nasal Forceps, with extra fine flat jaws, through-cutting, tissue sparing, width of cut 1.5 mm, straight sheath, jaws	01

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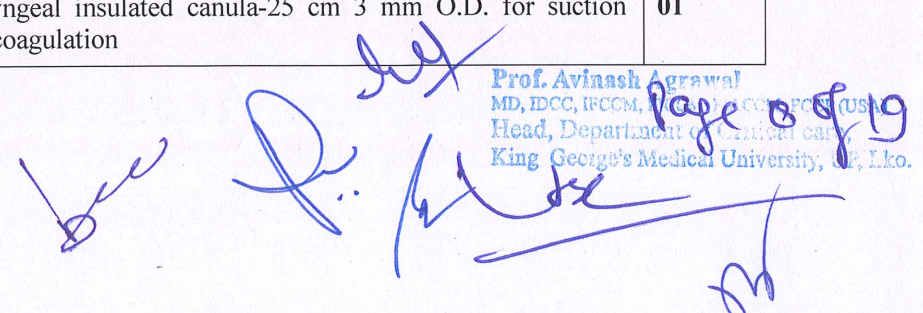
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	angled downwards 45°, with cleaning connector, working length 18cm	
	Forceps, very delicate, oval cupped jaws 0.9 mm, curved upwards, working length 18cm	01
	Spoon Forceps, spoon size 3 x 10 mm, single action jaws, working length 17 cm	01
	Scalpel, with telescopic blade, consisting of: Handle, outer tube 7 Micro-knife, pointed	02
	Nasal Forceps, end of sheath 25° upturned, with straight jaws, width 3mm, with cleaning connector, working length 13 cm	01
	Nasal Forceps, straight, size 1, working length 11 cm	01
	Punch, circular cutting, for sphenoid, ethmoid and choanal atresia, diameter 3.5 mm, with cleaning connector, working length 18cm	01
	Antrum Punch, backward cutting, sheath 360° rotatable, with fixing screw, working length 10cm, take apart sheath.	01
	Josephs scissors-sharp 14cm	01
	Walters scissors 10cm-angled	01
	Cottle chisel-18.5cm 4mm straight	01
	Cottle crossbar osteotome-18.5cm 6mm-straight	01
	Cottle crossbar osteotome-18.5cm 6mm-curved	01
	Cottle double retractor-15cm Left sharp/Right blunt - 10mm wide	01
	Cottle double retractor-15cm Right sharp/Left blunt - 10mm wide	01
	Aufrecht nasal retractor-17cm 45mm blade	01
	Adson tissue forceps-12cm Delicate, side grasping teeth	01
	Nasal rasp-21.5cm Double ended- Fine teeth	01
	Nasal rasp-21.5cm Double ended-coarse teeth	01
	Walscham septum straightening forceps-23cm Straight for both sides	01 Each
	Killian stryck nasal speculum-13.5cm 75mm blade	01
	Neivert-Masing needle holder, thumb ring turned up, one jaw with groove, length 13cm	01
	Ballenger swivel knife-19.5cm Bayonet shaped-4mm wide	01
	Ash forceps Septum straightening-22cm	01
	Video-laryngoscopes with laryngoscope	01
	Operating laryngoscope Adult size-18cm- Large	01
	Operating laryngoscope Adult size-18cm- Medium	01
	Anterior commissure scope Adult size-22cm	01
	Laryngoscope holder and chest support for use with above laryngoscopes Adult size (ring 9.5cm, rod 34cm)	01
	Laryngoscope holder and chest support Child size (ring 9.5 cm, Rod 24cm)	01
	Fiberoptic light carrier to fit in operating laryngoscopes Adult size	01

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Fiberoptic light carrier to fit in operating laryngoscopes <i>Child size</i>	01
Laryngeal cutting forceps-23 cm 2mm round cupped jaws, <i>straight</i>	01
Laryngeal cutting forceps-23 cm 2mm round cupped jaws, <i>angular upwards</i>	01
Laryngeal cutting forceps-23 cm 2mm round cupped jaws, <i>bent to right</i>	01
Laryngeal cutting forceps-23 cm 2mm round cupped jaws, <i>bent to left</i>	01
Laryngeal artery forceps with ratchet-23cm Serrated, straight	01
Laryngeal alligator forceps-23cm Serrated - <i>straight</i>	01
Laryngeal alligator forceps-23cm Serrated - <i>bent to right</i>	01
Laryngeal alligator forceps-23cm Serrated - <i>bent to left</i>	01
Laryngeal scissors-23cm Straight	01
Laryngeal scissors-23cm Angular 45° up	01
Laryngeal scissors-23cm Bent to right	01
Laryngeal scissors-23cm Bent to left	01
Laryngeal scissors-23cm Straight, horizontal cutting	01
Laryngeal cutting forceps-23 cm Round cupped jaws 5mm, straight, double action	01
Laryngeal grasping forceps for arytenoids-23 cm	02
Laryngeal biopsy forceps-23 cm Oval cup shaped jaws	01
Laryngeal needle holder with ratchet	01
Atraumatic vocal cord retractor-23cm Self retaining with ratchet	01
Arnold vocal cord holding forceps-23cm Triangular jaws, for right side	01
Arnold vocal cord holding forceps-23cm Triangular jaws, for left side	01
Laryngeal knife-23cm Straight cutting	02
Laryngeal knife-23cm Sickle shaped, curved	02
Laryngeal knife-23cm Round vertical cutting	02
Laryngeal hook-23cm Blunt	01
Laryngeal hook-23 cm Sharp	01
Laryngeal needle-23cm Curved to right	01
Laryngeal needle-23cm Curved to left	01
Laryngeal elevator with suction channel-23cm	02
Laryngeal knot tier-23cm	01
Laryngeal hook, blunt with probe end	01
Instrument handle For use with item No 30 to 38 mentioned above	03
Laryngeal suction tube (micro laryngeal)-25cm Diameter 2 mm	02
Laryngeal suction tube (micro laryngeal)-25cm Diameter 3mm	02
Laryngeal insulated canula-25 cm 3 mm O.D. for suction and coagulation	01



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		Laryngeal cotton wool carrier-25cm Straight, serrated	01
		Bipolar electrode -3mm, length 23cm With removable suction tube	01
		Cable for bipolar forceps-5mlong	01
		Insulated ML Suction tip, Havas Clip, Teeth Protector, Laryngeal needle for injection	01
		OPTIONAL INSTRUMENTS:	
		Howarth's elevator double ended sharp and blunt, length 21cm	01
		Luc Nasal Forceps Heart Shape (Large, medium, small) 17.5cm	01 Each
		Luc Nasal Forceps Oval Shape (Large, medium, small) 19cm	01 Each
		Jansen-Middleton Septum Cutting Forceps Double Action 7-1/2"	01
		Hajak Septum Chisel, Medium 6mm "V" Shaped Cutting Edge Enhanced Forward Cutting Effect (6")	01
		Heymann Turbectomy Scissors, Angular, Blunt, Length 190mm	01
		Walter gouge hollow width 4.5mm, length 19cm	01
		Metal mallet (small, medium, large) (20, 26, 30mm diameter) length 19.5cm	01
		Frontal recess giraffe forceps	01
		8" Curved Osteotome 10mm	01
		Chisel & Gouze 5-6" straight Finetip (3, 4, 5, 6mm)	01 Each
		Mini-Struycken Through-Cutting Forceps (opening up) straight, 45 & 90 degree	01 Each
		Suction Elevator for septal mucoparichondrial flap	02
		Nasal Suction Tips No. 1 to 5	02 Sets
		Punch, up biting 60° forward, size 1 mm, working length 17cm Curved	01
		Punch, up biting 60° forward, size 2 mm, working length 17cm Curved	01
		Frontal Cell Seeker	01
		Ball Probe Double Ended for Frontal & Maxillary Ostium	01
		Oggel Probe reinforced on both sides	01
		Wilder Dilator for Salivary Duct Length 11cms	01
		Bowman Lachrymal Probe length 13cms	01
		Lachrymal Punta Dilator	01
		Lachrymal Syringes	01
		DCR Punch	01
		Sterilization/Disinfection Tray: Disinfection/Sterilization tray with sieve tray to lift. Size: 27"x7"x5" (LxBxD)	02

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		Suitable Autoclavable plastic tray double tray for sterilization and storage for hand instruments of minimum 20 hand instruments preferably from OEM.	02
		Standards, Safety and Training Should be European CE & US FDA approved product Comprehensive training for lab staff and support service staff familiarity with the system.	
		Documentation 1. User/Technical/Maintenance manuals to be supplied in English. 2. Compliance Report to be submitted in a tabulated and point wise manner clearly mentioning the page/para number of original catalogue/data sheet. Any point, if not substantiated with authenticated catalogue/manual, will not be considered. 3. Certificate of calibration and inspection. 4. List of Equipments available for providing routine Preventive Maintenance Support as per manufacturer documentation in service/technical manual. Price of individual instruments and full set should be quoted. Prior Demo if needed. Instruments should be made from High Quality Surgical Grade Steel. Instruments should have Laser surface or ebonyized or equivalent finish to provide appropriate reflection lowering finish. CO# / Catalogue number & article numbers should be mentioned on each and every instrument. There should be country of origin / Manufacturing engraved on each and every instrument. Company should have relevant experience in successful execution of similar work at least in five Institutes of national importance and central government Institutes. Company should be at least in its 5 years of operations at the date of Submission of tender.	

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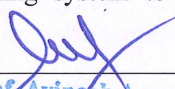

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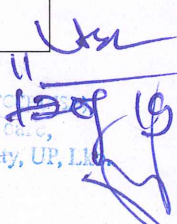
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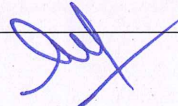
S.No	Item	Specifications	Qty.
3.	Microdebrider System	<p><u>Console&Footpedal</u></p> <ul style="list-style-type: none"> • Should be a versatile powered ENT system, that letsto choose just the power required for various ENTrelatedsurgeries. • Should be able to operate different kinds of Handpiecesand high speed Drills. • Thesystemsouldbeuserfriendlyandtheparameters should be able to adjust from the controlpanelandthedisplayshouldsuggestoperatingpar ametersfor avarietyofENTprocedures. • Shouldbeabletoadjusttheirrigationlevelsandbur/blades peedwiththetouch screencontrol. • Should have inbuilt pumps each for Irrigation(5Cc /Minto 100Cc /Min) • Shouldhave large Touchscreenmonitor • The various parameters should be able to adjusteither from touch screen panel or from themultifunctionfootswitch • Should have multifunction ergonomically designedfoot control with light emission for easyidentification • Surgeon should be able to control from the footcontrol itself the Speed / Mode, Forward / ReverseToggleactive handpiecechange etc. • Should have option for remote control Irrigation tooperatefromsterilearea bythesurgeon himself • Shouldhaveinbuiltuserfriendlyinteractivemenuandillu strative help guide • Consoleshouldhaveinbuiltlenscleaningsystemfordiffe renttype ofendoscopes • Thesystemsouldbesuitableforwidevarietyofprocedur esrangingfromfrontalsinusotomiestoultra –lowspeedoscillationfordelicateairwaycases. • Should be able to operate in forward at speeds up to12000 rpmand 5000 rpmin oscillatingmode. • Shouldbecapableofacceptingvarioustypesofbladesand burs. • Thesystemsouldhavemulti-functionwithintegrated connecting cable, ergonomically designedfootpedal. • ConsoleshouldtakemultipleHandPieceslikedebriderha ndpiece,Highspeedotologicaldrillhandpiece,stapesdril lhandpiece&micro saws • ConsoleshouldidentifyHand Pieces. • Should have the provision to mount the console onvariousizes of IVpoles <p><u>DebriderHandpiece:</u></p> <ul style="list-style-type: none"> • Should be able work up to the speed of 12000 RPMin forward rotation and 5000RPM in oscillationmode. • Shouldhavefingertipcontroltorotateonlythetipofthe blade upto 360deg. • Shouldhavestraightsuctionpathtoreducecloggingand allowefficienttissueremoval. • Should have integrated blade locking system to locktheblade tip rotation. 	





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		<ul style="list-style-type: none"> • Should have integrated side grooves and cable clip to provide better tubing management. • Should have Titanium body to avoid rusting. • Should be light in weight and ergonomically designed. • Should have different varieties of debrider blades like straight, Curved blades range starting from 12 degree and available upto 120 degree. • Should have rotatable laryngeal blades in 2.9 mm, 4mm with different length options for papilloma, laryngo malacia, trans-sphenoidal hypophysectomy • Should have for tonsillectomy, Adenoidectomy, turbino plasty blades. • Should have subglottic, tracheal, bronchial blades. • Should have straight cutting burs for adult & paediatric for sinus drilling • Should have diamond curved burs of different angle like 15, 40, 70 for anterior skull base surgery, trans-sphenoidal surgery • Should have curved burs for frontal sinus drilling • Should have DCR burs <p><u>Stapes/Middle Ear advance surgery Handpiece :</u></p> <ul style="list-style-type: none"> • Handpiece weight should not be more than 2OZ. • Should have variable speed foot switch control. • Should be able to vary the speed upto 12000 RPM. • Should be able to work as an independent self-powered system and also have the option to work with the console. • Otologic burrs should have color coding. • Should have the application in Middle ear or Stapes foot plate surgery. <p><u>Bipolar forcep with Suction:</u></p> <ul style="list-style-type: none"> • Bipolar forcep should be available in straight sizes of 105mm & 170mm with suction facility • Option of Up curve Bipolar forcep should also be available in 170mm with suction facility • Disposable suction tip should be available separately • Bipolar cables should be universal in nature <p>Any other accessory needed for maintenance of all the units mentioned.</p> <p>Prices of different blades and burs should be quoted separately also. CE&US FDA Approval.</p>
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S.No	Item	Specifications	Qty.
4.	Instruments for Ear Surgery	Tumarkin Meatal Speculum-tapered slot black finish 11mm distal tip diameter, distal slot width 6mm	1
		Tumarkin Meatal Speculum-tapered slot black finish 8.5mm distal tip diameter, distal slot width 4.5mm	1
		Tumarkin Meatal Speculum-tapered slot black finish 7.5mm distal tip diameter, distal slot width 3.5mm	1
		Tumarkin Meatal Speculum-tapered slot black finish 6.5mm distal tip diameter, distal slot width 3mm	1
		Tumarkin Meatal Speculum-tapered slot black finish 7mm distal tip diameter, distal slot width 3mm	1
		Tumarkin Meatal Speculum-tapered slot black finish 4.5mm distal tip diameter, distal slot width 3mm	1
		Flexible Tension arm complete with holding rod to fit in OT Table	1
		Clamp for flexible tension arm attachable to OT table	1
		Ear speculum clamp to hold ear speculum	1
		Holmgren self retaining Ear Speculum with slotted blade to hold speculum in canal 5mm Outer diameter	1
		Holmgren self retaining Ear Speculum with slotted blade to hold speculum in canal 6mm Outer diameter	1
		Holmgren self retaining Ear Speculum with slotted blade to hold speculum in canal 7mm Outer diameter	1
		Hartmann Aural forcep (Crocodile type)-75mm to shoulder serrated Jaw	2
		Hartmann Aural forcep (Crocodile type)-75mm to shoulder, round cutting Jaw	2
		Hartmann Aural forcep (Crocodile type)-80mm to shoulder, serrated Jaw	2
		Farabouff Periosteum elevator-150mm length, 13mm wide, curved	1
		Farabouff Periosteum elevator-115-117mm length, 11mm wide, curved	1
		Freer elevator, double ended-200mm	1
		Wullstein Post Aural Retractor-3X3 sharp Prongs 110mm length	2
		Schuhknecht Postaural retractor-3X3 sharp prongs curved 130mm length	2
		Plester Retractor-2X2 prongs 130mm length	2
		Williger Retractor-Sharp prongs 130mm in length	2
		Schwaber adjustable self retaining Surgical Ear Speculum-30mm blade length, 165mm	2
		Schwaber adjustable self retaining Surgical Ear Speculum-50mm blade length, 165mm	2
		Rosen round knife-45 degree Angle 2.5mm tip, Shaft 160mm	1
		Rosen round knife-45 degree Angle 2.0mm tip, Shaft 160mm	2
Rosen round knife-45 degree Angle 1.5mm tip, Shaft 160mm	1		
Micro Raspatory-160mm length	2		
Plester flag knife-165mm length	2		

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PlesterSickleknife-165 mmlength	2
WullsteinNeedle-straight,sharp,165 mmlength	2
WullsteinNeedle-Gentlecurve,sharp165mmlength	2
WullsteinNeedle-Strongcurve,Sharp,165mmlength	2
WullsteinNeedle-Strongcurve,blunt,165mmlength	2
BelluciMicro earscissors-straight,Right&Left Curved4mmblade,80mmlength	2Each
Shea- Belluci micro ear scissors- straight, Right & LeftCurved8mm blade, 80 mm length	2Each
DieterMalleus Nipper-80 mm, up biting	2
Microearforcepovalcuppedjawstraight80mm,shaft1.5mmth ick	2
FischMicroEarforcep-serrated0.6X4mm80mm length,shaft1.5mm	2
Fischperforator160mmlength,diameter 0.3mm	2
Fischperforator160mmlength,diameter0.5mm	2
Housecuretteddoubleended,sharp,curved,roundcup 1.2mm, 170mm	1
Housecuretteddoubleended, sharp, curved,oval cup 1.8mm, 170mm	2
Housecuretteddoubleended, sharp, curved,oval cup 2.2mm, 170mm	1
Micropick90degreeangled165mmlength0.2mm	1
Micropick90degreeangled165mmlength0.4mm	1
Micropick90degreeangled165mmlength0.8mm	1
Micropick90degreeangled165mmlength1.5mm	1
HouseGelfoampressure forceplargeplatform 30mmX30mm	1
FischCrurotomyScissor80mm,Curved to Right	2
FischCrurotomyScissor80mm, Curved to left	2
SS Instrument case with silicon racks for storage andsterilizationofdelicateinstruments,200x 140mmorto hold10microinstruments	2
McGee wireclosingforcep-70mm fromshoulder, vertical,jawlength 4mm,jawwidth0.8mm	2
Optionals:	
MastoidCellSeekerwithcuretteatoneend	1
BallProbe	1
DrumElevator	2
MicrosuctionTipsAllsizeswithadaptors	2Sets
Sliding&Fixed MeasuringRods foruseduringStapes surgerywith piston cuttingzig	1Each
EuropeanCE&US FDAApproved. Priceofindividual instrumentsandfull set shouldbequoted.Priordemo if needed. InstrumentsshouldbemadefromHighQualitySurgicalGradeSteel i.e. Grade 410&420 or equivalent.	



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		<p>Instrument should be made from High Quality Surgical Grade Steel.</p> <p>Instrument should have Laser surface or re-bonized or equivalent finish to provide appropriate reflection lowering finish.</p> <p>CO= / Catalogue number & article numbers should be mentioned on each and every instrument.</p> <p>There should be country of origin / Manufacturing engraved on each and every instrument.</p> <p>Company should have relevant experience in successful execution of similar work at least in five Institutes of national importance and central government Institutes.</p> <p>Company should be at least in its 5 years of operations at the date of Submission of tender.</p>	
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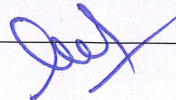
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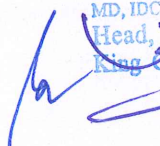
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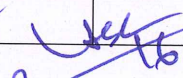
S.No	Item	Specifications	Qty.		
5.	Tonsillectomy, Adenoidectomy and Tracheostomy Sets	Draffin's Bipod stand	1		
		Boyle-Davis mouth gag	2		
		Tongue Blades (Plane & Slotted with groove for ET tube)	4 different sizes of each variety		
		Tonsil holding forcep	2		
		Tonsil dissector and retractor-	2		
		Adenoid curette with and without cage length-22cm	size 0 to 4 in each variety		
		Yankers suction tube	2		
		Tonsillar snares	2		
		Loop Applicator, Model E length 27 cm	1		
		Loops for Applikator, Polyglycolic acid, absorbable, 12 sterile packed, size 1	1		
		Adenoid Forceps, sharp, length 19cm	1		
		Needle Holder, tungsten carbide insert slender, length 18cm	1		
		Tinaculum	2		
		Long slender artery forceps straight, curved, Negus	2 Each		
		Wilson's artery forceps small & large-	1 Each		
		<u>TRACHEOSTOMY SET</u>			
		Ribbon Right Angled Retractors	4		
		Cricoid Hook Blunt & Sharp	2 Each		
		Tracheal Dilator Small & Large	2 Each		
		Metallic suction tube	2		
		<p>European CE & US FDA Approved. Price of individual instruments and full set should be quoted. Prior demo if needed. Instruments should be made from High Quality Surgical Grade Steel i.e. Grade 410 & 420 or equivalent. Instruments should be made from High Quality Surgical Grade Steel. Instruments should have Laser surface or re-bonized or equivalent finish to provide appropriate reflection lowering finish. CO = / Catalogue number & article numbers should be mentioned on each and every instrument. There should be country of origin / Manufacturing engraved on each and every instrument.</p> <p>Company should have relevant experience in successful execution of similar work at least in five Institutes of national importance and central government Institutes. Company should be at least in its 5 years of operations at the date of Submission of tender.</p>			














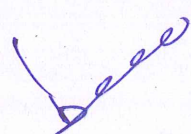

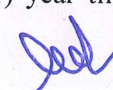
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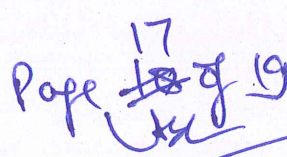
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S.No	Item	Specifications	Qty.
6.	Operating Headlight	<ul style="list-style-type: none"> - ShouldbecomfortableandmobileLED HeadLightandeyato usewithoutany cables - Should havemaximum Luminous intensity of around2,00,000luxormore - ShouldhaveColorTemperatureof5000K - Shouldhaveminimumbatteryservice lifeof6hoursafterfullcharge - Batteries should be capable of being charged easilywithoutpoweringoff - Should be able to Rapid USB charging from wall adaptor orPC - Shouldhaveintegratedbatterystatusindicators - Shouldhavecontinousdigitaldimmingfacility - Totalweight notmorethan325g - Focusshouldbedown toabout65mm - Shouldbecomfortablethrougharemovable,washablehead band - Shouldhavesparebatteries -Optional:2dpt magnifyinglenses - Should be European CE or US FDA approved and ofinternationalsafety standards - Priordemoismust 	1

Conditions for tender:

1. All accessories should be from the same Original Equipment Manufacturer for the main unit.
2. Instruments must be ISO certified and a copy should be enclosed. (The ISO Certificate must be issued by any organization accredited by the Bureau of Indian Standard or accredited by the international accrediting forum "IAF" (Certificate to be attached).
3. Should be USA FDA and European CE be approved by 4 digits notified body?
4. Other necessary certifications if any required will be provided by the bidder for the smooth functioning of the machine.
5. Installation process should be performed by O.E.M trained service engineers/ service representatives on OEM letterhead or Service Report within 15 days of supply, with the mandatory provision of providing preventive services visit of OEM trained Service Engineer/ Service Representative quarterly per year till the completion of warranty period (i.e., 20 visits for the first 05 years) & further quarterly visits (04 visits/year) year till the completion of CMC period.

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 Head, Dept
 Head Gen

6. The equipment should have a Brand name/ Model Number embossed/etched on the equipment.
7. All the technical specifications in the compliance statement must be supported by Original Literature from the firm/ O.E.M with highlighting Numbering & flagging of all technical certificates.
8. Offered Equipment should have a strong Government Installation base.
9. Offered Equipment should have a Regional Sales Service Centre of the Original Equipment Manufacturer in the region for a 95 % uptime guarantee.
10. For the offered main unit, the essential, optional required consumables'/accessories' shelf life should be declared on the Original Equipment Manufacturer's letterhead.
11. In case of technical snag/failure/breakdown the response time for the inspection should be within 24 hours and repair within 05 days otherwise provide a service machine/ alternate arrangement to be made till the period of recovery of the breakdown of the unit, failing which attracts penal action as per the decision of institute/ hospital.
12. For offered equipment the Training of technical staff and users should be performed by Original Equipment Manufacturer trained Service Engineers at the proper designated place- at bidders' cost.
13. Company should quote their latest model and need to provide an affidavit for the same.
14. As a tendering process the Demonstration of the offered Equipment is Mandatory at hospital/institute premises or other designated places at the bidder's cost.
15. The bidder must comply with the General Financial Rules and their modifications if any issued by the Government of India- 2017.
16. Any bidder from a country that shares a land border with India will be eligible to bid in the tender only if the bidder is registered with the Competent Authority (i.e., Registration certificate issued by the Ministry of Commerce and Industry (Department for Promotion of Industry and Internal Trade- DPIIT after October 2020). If any such bidder is not registered with DPIIT they will be liable for technical disqualification.
17. Principal (OEM) must authorize only one agent to be quoted in the bid otherwise multiple quotes through different agents in the same bid will be canceled.

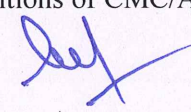
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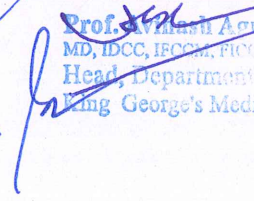
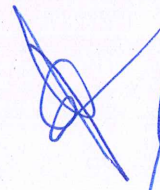
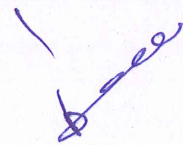
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18. The Bidder and its OEM both have to submit a notarized affidavit on the Indian Non-Judicial Stamp Paper of Rs.100/- that the bidder has not quoted the price higher than the current financial year and last financial year supplied to any government Institute/ Organization/ reputed Private Organization. OEM also has to submit that the price quoted by the bidder in the bid is on its behalf and the lowest in the current and last financial year in the country. Therefore, if at any stage it has been found that the supplier and its OEM have quoted lower rates than those quoted in this bid; the Institute (the purchaser) would be given the benefit of lower rates by the Supplier and any excess payment if any, will become immediately payable to the Institute (the purchaser). If such an affidavit is not submitted, the bid will be outrightly rejected. (Part of technical bid).
19. Guarantee / Warranty Period: Separate offers of Comprehensive Maintenance Contract (CMC on main equipment) and Annual Maintenance Contract (AMC on main equipment) for further 5 years after expiry of 5 years of warranty (i.e., 6th, 7th, 8th, 9th and 10th years) in rupees only (and on basis of percentage of price) should be included in a financial bid in the absence of which the offer is liable to be rejected. Payment for CMC/AMC shall be made only after the expiry of the warranty of 5 years, in case the Institute (the purchaser) decides for availing of CMC/AMC services. Contract for CMC/AMC shall be decided on expiry of warranty but rates (not more than 5% inclusive of all taxes for 6th to 10th year) will be frozen at the price of an issued purchase order before the release of payment by the Institute (the purchaser). However, the Institute (the purchaser) may decide not to enter into any CMC/AMC contract without assigning any reason for the same, which shall be binding upon the bid. Should provide 5-year CMC. CMC cannot be more than 5% of the contract value.
20. System configured application-specific educational video tutorials shall be provided as standard with the system.
21. Details of service outlet in India to render services during 5 years warranty period.
22. The principals must give a certificate if the supplier/vendor is changed during the course of the guarantee/warranty period, the principals would be responsible for the upkeep/maintenance of the quote/supplied equipment, besides honouring all the terms and conditions of CMC/AMC in letter and spirit.



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