

Dr Baba Saheb Ambedkar Hospital
(Govt of NCT of Delhi)
Sector-6, Rohini, Delhi – 110085

Hospital Open Tender – List of Items (ENT)

Tender ID – 2017_BSAH_130983_1

S. No.	Name of the Equipment	Specification	Accounting Unit	Quantity Required*
1.	Audiometer	<p>Each channel should be operated independently & should be activated simultaneously.</p> <p>Should have 5 Inch LCD Display.</p> <p>Should have facility to store audiogram.</p> <p>Should have following Input/output ports:-AC, BC, High frequency headphone ,Insert phone, free field, Monitor headphone, microphone, patient response button.</p> <p>Test signal should be steady, pulsed, FM, Narrow Band, speech Noise, white Noise with two channels.</p> <p>Should be able to conduct, ALT, SISI, High Frequency, Tone decay, stenger test.</p> <p>Should have facility to transfer data to connected pc with E-record solution & have facility to customize report by the user.</p> <p>Equipment should be European Ce and Us Fda approved.</p> <p>Should have following Frequency Range for pure tone:-</p> <p>Air Conduction :125 -12,000 Hz</p> <p>Bone conduction : 250 – 8000 Hz</p> <p>Should have following Intensity Range:-</p> <p>Air Conduction : -10 DB HL – 120 DB HL</p> <p>Bone conduction : -10 DB HL to 80 DB HL</p> <p>Sound Field : -10 DB HL to 90 DB HL</p> <p>-Should be supplied with following accessories:-</p> <p>TDH head phone - 1no</p> <p>Bone Vibrator - 1no</p> <p>Patient response hand switch - 1no</p> <p>Talk back & talk forward microphone - 1no</p> <p>Database management software - 1no</p> <p>laptop computer with windows operating systems should be provided - 1 no</p> <p>(minimum 4GB Ram & Minimum 500 GB Hard disk),along with laser printer.</p>	Per Set	1 (One) Nos.
2.	Stroboscopy	<p>Unit should have LED strobe with noiseless stroboscopy with flash light and pilot light for vocal cord diagnostics based on LED technology. Including Body sound stroboscope adapter</p>	Per Set	1

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		<p>Should have Medical software package with patient data base, video and image recording control, easy to handle video cutting programme, elaborate import and export functions; automatic generations of standard documents with current version of Windows.</p> <p>With DV converter for digital connection to camera including Laptop, Foot switch, Medical PC with TFT monitor.</p> <p>Laryngoscopes 70 degree without light guide working length 195mm with dia. 10mm</p> <p>Light guide cable</p> <p>Should have airborne sound microphone, body sound adaption,</p> <p>Should be USFDA & CE Approved</p>		
3.	HD Telescope 0 Degree , 4MM	<p>Straight Forward Telescope 0 degree enlarged view, Size 4mm Rod lenses system , Length:14-19 cms, Should be autoclavable, Fiber Optic Light transmission incorporated. Completely distortion free , HD optic for better contrast & colour reproduction . Large field of view & depth of focus Should be CE&FDA approved Service Centre should be in Delhi/NCR</p>	Per Set	2
4.	HD Telescope 30 Degree , 4MM	<p>Straight Forward Telescope 30 degree enlarged view, Size 4mm Rod lenses system , Length:14-19 cms, Should be autoclavable, Fiber Optic Light transmission incorporated. Completely distortion free HD optic for better contrast & colour reproduction Large field of view & depth of focus Should be CE&FDA approved Service Centre should be in Delhi/NCR</p>	Per Set	1
5.	HD Telescope 45 Degree , 4MM	<p>Straight Forward Telescope 45 degree enlarged view, Size 4mm Rod lenses system , Length:14-19 cms, Should be autoclavable, Fiber Optic Light transmission incorporated.</p>	Per Set	1

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		<p>Completely distortion free HD optic for better contrast & colour reproduction . Large field of view & depth of focus Should be CE&FDA approved Service Centre should be in Delhi/NCR</p>		
6.	HD Telescope 70 Degree , 4 MM	<p>Straight Forward Telescope 70 degree enlarged view, Size 4mm Rod lenses system , Length:14-19 cms, Should be autoclavable, Fiber Optic Light transmission incorporated. Completely distortion free , HD optic for better contrast & colour reproduction . Large field of view & depth of focus Should be CE&FDA approved Service Centre should be in Delhi/NCR</p>	Per Set	2
7.	Endoscopy Camera System	<p>Endoscopic Systems will consist of: 1) Video Image Processor 2) Camera Head 3) LED Light Source with Powerful illumination 4) 21" HD Medical Grade Monitor 5) Light Guide Cable 6)Trolley 1) Video Image Processor: Should have following specification: Analog Signal output: VBS composite: 2, YC: 1(NTSC for 100 to 240 V models) VBS composite: 2, YC: 1(PAL for 220 to 240 V models) Digital Signal output : DVI: 1 White balance Adjustment: White balance adjustment button should be on the front panel Standard color chart output When the camera head is disconnected, a color bar chart can be displayed Iris area switching Iris area can be switched two modes (FULL or CTR). Brightness adjustment Brightness can be adjusted two modes (HI or LO). 2) Camera Head: Should have following specification: Pickup system Interline type CCD solid-state image pickups</p>	Per Set	1

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	<p>Sensitivity 4[lux], F1.4 Cleaning/Disinfection Immersible in disinfectant solution. Sterilization Ethylene oxide gas sterilization possible</p> <p>3) LED light Source with Powerful illumination : Should have following specification:</p> <p>Should have Powerful illumination Low energy Consumption Constant light intensity over lifetime Low lifetime cost due to low energy consumption (55 W) LAMP: LED Operation hours: 2000 hours or more</p> <p>4) 21" HD Medical Grade Monitor:Should have following specification: Resolution : 1920 x 1080 pixels (Full HD)</p> <p>Aspect ratio 16:9</p> <p>Type a-Si TFT Active Matrix LCD</p> <p>Input : BNC (x1), 1.0 Vp-p ±3 dB sync negative Composite</p> <p>Y/C : Mini DIN 4-pin (x1) Y: 1.0 Vp-p ±3 dB sync negative, C: 0.286 Vp-p ±3 dB (NTSC burst signal level), 0.3 Vp-p ±3 dB (PAL burst signal level)</p> <p>RGB,Component : BNC (x3) RGB: 0.7 Vp-p ±3 dB (Sync On Green, 0.3 Vp-p sync negative) Component: 0.7 Vp-p ±3 dB (75% chrominance standard color bar signal)</p> <p>HDMI HDMI (x1)</p> <p>Output Mini DIN 4-pin (x1), loop-through, with 75 ohms automatic termination</p> <p>Composite Y/C : BNC (x3), loop-through, with 75 ohms automatic termination</p>	
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		<p>RGB,ComponentBNC (x1), loop-through, with 75 ohms automatic termination</p> <p>RGB,Component External Sync BNC (x1), loop-through, with 75 ohms automatic termination</p> <p>5) Light Guide Cable</p> <p>It should have High resistance protection against mechanical and thermal stress</p> <p>It should have small bending radius for comfortable use</p> <p>It should be 3 Meter or more in Length</p> <p>Should be ROHS compliant.</p> <p>6)Trolley : Customized trolley to accommodate all equipments</p> <p>Offered Products should be USFDA & European CE approved.</p> <p>Should have service centre in Delhi NCR</p>		
8	BERA Machine	<p>Ø Should have following test types: - ABR, BC ABR, Cortical AEP, ECochG, AMLR, Electrical ABR, and VEMP.</p> <p>BERA Features:-</p> <p>Ø Should have two isolated channels.</p> <p>Ø It should have following stimulus types: CE Chirp, Click, tone pip</p> <p>Ø Should have intensity 0 to 130 dB SPL></p> <p>Ø Should have stimulus polarity: Condensation, Rarefaction, Alternating.</p> <p>Ø Should have repetition rates 0.2 to 100 depending on modality.</p> <p>Ø Should be amplifier frequency response 0.2 to 10,000 Hz.</p> <p>Ø Should have facility of display multiple panels of waveforms simultaneously.</p> <p>Ø Should have facility of continuous live display of on-going EEG signals.</p> <p>Ø Should have facility of unlimited number of user-defined test protocols.</p> <p>Ø Should have absolute or stimulus relative masking types.</p> <p>Ø Should have digital Highpass/ Lowpass filter.</p> <p>Ø Should have built in impedance tester.</p> <p>Ø Should have USFDA/European CE approved.</p> <p>➤ Upgradable ASSR</p> <p>Ø Should be supplied with following accessories:-</p>	Per Set	1

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		<ol style="list-style-type: none"> 1. Insert Earphone - 01 no. 2. Electrodes 6mm cup - 12 nos. 3. Electrodes 10 mm cup - 12 nos. 4. Electrode linker - 02 nos. 5. Skin preparation gel - 01 no. 6. Conductive paste - 01 no. 7. Infant ear tips 3.5mm - 20 nos. 8. Infant ear tips 4.0mm - 20 nos. 9. Form ear tips, 10mm- 1000 nos. 10. Form ear tips, 13mm - 100 nos. 11. laptop computer with windows operating - 1 no. <p>System should be provided (Minimum 4GB Ram & Minimum 500 GB Hard disk), along with laser printer.</p>		
9	MLS Set	<p>Micro Laryngeal Set (Should consist of following instruments)</p> <p>Laryngoscope holder and chest support, with rod for adults, with rod fixation screw, for use with the laryngoscopes, 9.5 cm diameter of ring, rod length 34 cm</p> <p>Operating laryngoscope, 18 cm, large, for adult</p> <p>Operating laryngoscope, 18 cm, medium, most commonly used laryngoscope</p> <p>Operating laryngoscope, 18 cm, small, for difficult anatomical circumstances</p> <p>Fibre optic light carrier, for use with laryngoscopes 630001-05</p> <p>Teeth protector, metal, size 1,2,3</p> <p>Needle holder, with ratchet, conical shaft, 23 cm working length</p> <p>Laryngeal biopsy forceps, tube shaft, with round cupped jaws 4 mm \varnothing, 17 cm working length, straight</p> <p>Laryngeal scissors, standard model, conical shaft, 23 cm working length, straight</p> <p>Artery forceps, 23 cm working length, with ratchet, serrated, straight</p> <p>Laryngeal scissors, standard model, conical shaft, 23 cm working length, curved up 45°</p> <p>Laryngeal scissors, standard model, conical shaft, 23 cm working length, curved right</p> <p>Laryngeal scissors, standard model, conical shaft, 23 cm working length, curved left</p> <p>Cutting forceps, round cupped jaws, 2 mm diameter, 23 cm working length, 10° upcurved,</p>	Per Set	1

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		<p>straight</p> <p>Cutting forceps, round cupped jaws, 2 mm diameter, 23 cm working length, 10° upcurved, curved upwards</p> <p>Cutting forceps, round cupped jaws, 2 mm diameter, 23 cm working length, 10° upcurved, curved right</p> <p>Cutting forceps, round cupped jaws, 2 mm diameter, 23 cm working length, 10° upcurved, curved left</p> <p>Handle, for Instruments</p> <p>Hook, 23 cm working length, Laryngeal Needles with probe end, angled 90°</p> <p>Hook, 23 cm working length, sharp</p> <p>Knot tier, 23 cm working length</p> <p>Needle, 23 cm working length, curved to right</p> <p>Needle, 23 cm working length, curved to left</p> <p>Knife, 23 cm working length, golf club shaped</p> <p>Knife, 23 cm working length, oval, straight</p> <p>Knife, 23 cm working length, straight cutting</p> <p>"Guillen suction elevator, bayonet shaped, 4 mm, sharp, with stylet, 22 cm, straight"</p> <p>Suction tube, 25 cm working length, 2.5 mm diameter</p> <p>Injection needle, Luer-lock, 23 cm working length, bayonet shaped</p> <p>Insulated cannula, for suction and coagulation, 3.0 mm outer diameter</p>		
10	Pediatric Fiberoptic Laryngoscope	<p>Technical Specifications:</p> <p>Flexible Laryngoscope:</p> <p>Direction of view: 0 deg.</p> <p>Angle of view: 70- 90 deg.</p> <p>Working length: 27-38 cm</p> <p>Outer diameter: 2.5-3.7 mm</p> <p>Deflection: Upward 180 deg, Downward 100 deg.</p> <p>The following accessories should be included,</p> <p>1. Carrying Case</p> <p>2. Pressure compensation cap</p> <p>3. Leakage tester</p> <p>4. Mouth piece</p> <p>5. Cleaning Brush</p> <p>6. One Biopsy Forceps- Double action Jaws</p> <p>7. One Grasping Forceps- Double action Jaws</p>	Per Set	1

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11	Adult Fiberoptic Laryngoscope Set	<p>Flexible Laryngoscope:</p> <p>Direction of view: 0 deg.</p> <p>Angle of view: 90 deg.</p> <p>Working length: 30-35 cm</p> <p>Outer diameter: 5.0-5.5 mm</p> <p>Instrument Chanel: 2.0-2.5 mm</p> <p>Deflection: Upward 180 deg, Downward 100 deg.</p> <p>The following accessories should be included,</p> <ol style="list-style-type: none"> 1. Carrying Case 2. Pressure compensation cap 3. Leakage tester 4. Mouth piece 5. Cleaning Brush 6. One Biopsy Forceps- Double action Jaws 7. One Grasping Forceps- Double action Jaws 	Per Set	1
12	High pressure noiseless suction machine	<p>A controlled high pressure noiseless suction machine manufactured by well reputed International company having compact design and suitable for all surgical disciplines with convenience, precision and safety.</p> <p>The unit should be compact for good mobility.</p> <p>It should be USFDA approved.</p> <p>It should be based on maintenance free piston/cylinder technology for vibration-free and noiseless working in operating theatre as well as in patient wards.</p> <p>It should also be suitable for all kind of surgery.</p> <p>Same product should be able to use in operation theatre, OPD's, ICU's and wards.</p> <p>It should have 3 ltr jar, unbreakable of polysulfone material.</p> <p>It should have easy and rapid change over system from one to another jar.</p> <p>It should have different Choice of flow rate 40 ltr/min., 50ltr/min. & 60ltr/min. in a pump.</p> <p>It should have vacuum of atleast -95 kPa or -710 mmHg</p> <p>Should have membrane regulator for decreasing and increasing the pressure.</p> <p>It should have a front display vacuum gauge to show the exact pressure reading.</p>	Per Set	5

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		<p>It should have power on/off control on the machine as well as on the mobile trolley.</p> <p>It should be fitted on well balanced mobile trolley with locking castors.</p> <p>It should fulfils international industrial standards ISO 9001 as well as American Good Manufacturing Practices guidelines (GMP), CE label in according with the directive 93/42/EEC for medical products, Class I protection against electric shock. & Ingress IPX1 protection.</p>		
13	FESS Instruments Set	<p>FESS Instrument set (Should consist of following instruments)</p> <p>"Hartmann nasal speculum,13.5 cm"</p> <p>"v. Eicken antrum cannula,malleable, long curved, 2.5 mm Ø"</p> <p>"v. Eicken antrum cannulamalleable, long curved, 3.0 mm Ø"</p> <p>"v. Eicken antrum cannula,long curved, 3.0 mm Ø"</p> <p>"v. Eicken antrum cannula,short curved, 3.0 mm Ø"</p> <p>"v. Eicken antrum cannula,short curved, 4.0 mm Ø"</p> <p>"Frazier suction tube,8 Fr. Ø"</p> <p>"Frazier suction tube,10 Fr. Ø"</p> <p>"Nasal scissors, serrated blades,13 cm"</p> <p>"Cottle dorsal scissors,angular, 16 cm"</p> <p>"Circular cutting punch,18 cm, 3.5 mm Ø"</p> <p>"Circular cutting punch,18 cm, 4.5 mm Ø"</p> <p>"Frontal sinus curette,19 cm, oval, 55°"</p> <p>"Frontal sinus curette,19 cm, 90°"</p> <p>"Maxillary sinus ostium seeker,double-ended, 19 cm,"</p> <p>"Frontal sinus ostium seeker,double-ended, curved"</p> <p>"Freer elevator,20 cm"</p> <p>"Gorney suction elevator,19 cm"</p> <p>"Blakesley nasal forceps, straight, size 0"</p> <p>"Blakesley nasal forceps,45°, size 0"</p> <p>"Blakesley nasal forceps, straight, size 1"</p> <p>"Blakesley nasal forceps,45°, size 1"</p> <p>"Blakesley nasal forceps,90°, size 1"</p> <p>"Moriyama through-cutting forceps, size 3"</p> <p>"Moriyama backbiter, through-cutting forceps, upcurved size 7"</p> <p>"Moriyama through-cutting forceps, straight, size</p>	Per Set	1

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	<p>11" " Moriyama through-cutting forceps, straight, size 11" "Tobey micro backbiter,2 mm, 360° rotation" " "Rotating backbiter" antrum punch,1.5 mm" ""Rotating backbiter" antrum punch,2.5 mm" "Sidebiting antrum punch,3 mm, down left" " Sidebiting antrum punch,3 mm, down right" " Frontal sinus punch forceps,70°, 3 mm" "Biopsy forceps,70°, opening horizontally" "Biopsy forceps,70°, opening vertically" "Biopsy and grasping forceps,straight" "Yoon punch, through-cutting,70° upcurved, sideways left opening" "Yoon punch, through-cutting,70° upcurved, sideways right opening" Yoon fontanelle forceps, left curved Yoon fontanelle forceps, right curved "Blakesley through-cutting forceps, straight, size 0" " Blakesley through-cutting,45°, size 0" "Super punch, through-cutting, straight, 2.5 mm" "Hartmann nasal cutting forceps, size 1, 5 mm" " Wigand universal forceps, through-cutting, straight" "Wigand universal forceps, through-cutting, 45° upcurved jaw" "Wigand forceps, through-cutting, small size, 30° upcurved jaw" "Antrum curette,19 cm, 7 mm" "Antrum curette,19 cm, oval, large size" "Antrum curette,19 cm, 6.8 mm, forward cutting" "Sickle knife,19 cm, pointed" "Struycken nasal cutting forceps,1.2 mm" "Trocar and cannula for sinuscopy,5 mm Ø, oblique" "Converse osteotome,18 cm, 2 mm" "Struempel-Voss nasal forceps, extra delicate, 2.5 mm, 45°" "Antrum grasping forceps,360° rotatable, 120° retrograde opening" "Antrum grasping forceps,360° rotatable, 120° retrograde opening" "Antrum grasping forceps,360° rotatable, 120° retrograde opening" "Cable for bipolar forceps,5 m, generator side plug diameter 12.5 mm"</p>	
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14	LED Headlight	<p>Long-Life light source with high-performance white light LED, focusing optic infinitely variable, high-end battery system with particularly lightweight and powerful lithium-ionic battery</p> <p>2 operation modes: Eco-/Power mode, ergonomic ultra light headband, holder for battery on the rear of headband, universal battery quick charging power pack with primary adapters assortment, connecting cable to LED battery.</p> <p>Technical data:</p> <p>LED: Brightness: 50 lumen/ 60kLux, luminous field- 25 to 55mm in 17 cm distance before lamp, focusable</p> <p>Durability: up to 50,000 h, performance: 2 watt</p> <p>Battery operating time: approx. 4h (eco-mode) or approx.2 h (power mode)</p> <p>Charging time: max. 2h (at full discharge) weight: headlight 200g, battery 80g, voltage range: 100-230</p>	Per Set	3
15	OAE hearing Screener	<p>DPOAE testing.</p> <p>Frequency range (test)-2KHz -6KHz.</p> <p>DPOAE pass criteria-6dB SNR at 2KHz, 3KHz & 4KHz.</p> <p>Automatic pass/refer indication.</p> <p>Display showing signal to noise progress, on screen test result summary and choice of frequency band display.</p> <p>Battery life-at least 1 week.</p> <p>Indicators for battery level and charging.</p> <p>Alerts for high noise level, and poor probe fit.</p> <p>Indication for probe fir (check fit)</p> <p>Automatic USB data transfer to PC.</p> <p>Weight –less than 250gm.</p> <p>Power- internal rechargeable batteries.</p> <p>Hardware support-wireless printing/ RFID scanner.</p> <p>User interface-LCD display.</p> <p>Charge time-less than 5hrs. for 100% capacity.</p> <p>Standards-ISO certified.</p> <p>Memory-at least 4GB, store last 400 or greater tests in chronological order.</p> <p>Quality certificate.</p>	Per Set	2
16	Morselizers, Septum Morselizing Forceps	Angled	per pcs.	1
17	Frontal Ostium Seeker,	Overall	per pcs.	2
20	Maxillary ostium seeker	Maxillary ostium seeker	per pcs.	3

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21	Circular Cutting Punch,	Angled, Working length 160mm (6.25)	per pcs.	1
22	Circular Cutting Punch, Straight	Working length 163mm,Overall length 202mm,	per pcs.	1
23	Circular Cutting Punch	Angled. Working length 163mm,Overall length,202mm,	per pcs.	1
24	Punch Rongeur	Featuring a shaft cleaning port and stylet for ejecting tissue and bone fragments from jaw recess without damaging cutting edges, 3mm bite(working length 150-180mm),	per pcs.	1
25	Kerrison Rongur	Working length 100mm, size of the bite- 4mm	per pcs.	1
26	Kerrison Rongur	Working length 100mm, size of the bite- 3.5mm	per pcs.	1
27	Nasal Sinus Scissors	Adult size. Working length 115mm (4.5"),	per pcs.	1
28	Sinus suction	overall length 147mm (5.75),	per pcs.	4
29	Through cut endoscopic forceps	straight (3 mm)	per pcs.	1
30	Through cut endoscopic forceps	Angled 45 degree (3 mm)	per pcs.	1
31	Through cut endoscopic forceps	Angled 90 degree (3 mm)	per pcs.	1
32	Adapter for suction cannula with cutoff hole for ear surgery	Adapter for suction cannula with cutoff hole for ear surgery	per pcs.	4
33	Adson dressing forceps	serrated length 12cm	per pcs.	10
34	Angular Nasal Dressing forceps	Working length 10cm	per pcs.	10
35	Antrum Cannula	Outer DM - 3mm Length 11cm, 12.5cm,	per pcs.	1
36	Antrum Cannula	Outer DM - 4mm Length 11cm, 12.5cm,	per pcs.	1
37	Bellucci Crocodile scissor	very delicate straight, working length 8cm,	per pcs.	10
38	Conical Nasal Suction Tube	OD - 3 mm Length 11cm to13cm (working)	per pcs.	1
39	Conical Nasal Suction Tube	OD -3.5, mm Length 11cm to13cm (working)	per pcs.	2
40	Conical Nasal Suction Tube	OD - 4.5mm Length 11cm to13cm (working)	per pcs.	2
41	Conical Suction irrigator	O.D suction tube - a) 3,2nrim mm * working length 9.5 cm	per pcs.	2
42	Conical Suction irrigator	O.D suction tube 4.5mm irrigation tube - 2mm * working length 9.5 cm	per pcs.	3
43	Conical Suction (wullstein)	Silver OD 1mm Length 13cm	per pcs.	5
44	Ear Dressing forcep	7.5cm length, serrated end 4.5cm	per pcs.	10
45	Ear crocodile forceps curved to left	Very fine , serrated, working length 8cm	per pcs.	3
46	Ear forceps curved to right	Very fine , serrated , working length 8cm	per pcs.	6
47	Ear Hook without Ball end	Size 1, Length 15.5 cm	per pcs.	10

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48	Eustachian Probe	silver probe end diameter 0.5mm, length 18cm	per pcs.	7
49	Fine Crocodiie Ear Forceps	* very fine * Serrated * 1 X 4.5mm * 8cm working length	per pcs.	3
50	Fisch Articulated Retroauricular Retractor	3x3 prongs * Semi Sharp * length 17 cm	per pcs.	1
51	Fisch Hook	Foot plate, 0.2mm, Length 16cm	per pcs.	2
52	Fisch Micro Raspatory	Length 16cm, a) double curved to right	per pcs.	1
53	Fisch Micro Raspatory	Length 16cm, double curved to left	per pcs.	1
54	Fisch Micro scissor	Extra delicate , Blade 2mm , working length 8cm	per pcs.	2
55	Freer Elevator	double ended , semi sharp & blunt, length 20 cm	per pcs.	2
56	Frontal Sinus suction Curette	55 deg , Curved, 19cm	per pcs.	4
57	Frontal Sinus Probe	Double Ended, Curved, One side with right angled hook. Length 22cm	per pcs.	4
58	Halle Autrum Curette	Length 21cm * Size -1	per pcs.	1
59	Halle Autrum Curette	Length 21cm * Size -2	per pcs.	2
60	Length 21cm * Size -3	Length 21cm * Size -3	per pcs.	1
61	Ossicle holding forceps for holding & total prosthesis	length 10cm	per pcs.	2
62	House Curette	Length 15cm, a) Straight Size a) 1 x 1.8 mm, 2 x 2 .8 mm,	per pcs.	1
63	House Curette	Length 15cm, Angled Size 2 .8 mm, b) 0.6 x 0.8mm c 0.8 x 1.0 mm	per pcs.	2
64	Dansen elevator	a) width -9mm, length 19.5cm	per pcs.	1
65	Jeweler's forcep	fine , pointed, length 11cm	per pcs.	1
66	Joseph Double Hook	Sharp, Width a) 2mm Length 15cm	per pcs.	2
67	Joseph Double Hook	Sharp, Width 5mm Length 15cm	per pcs.	4
68	Joseph Double Hook	Sharp, Width 7mm, Length 15cm	per pcs.	4
69	Skin hooks (fine) for retracting skin	Skin hooks (fine) for retracting skin	per pcs.	10
70	Joseph Nasal Retractor	Length 15.5cm, Killian claus septum chisel- V-shaped cutting edge, length 16.5 cm	per pcs.	1
71	Kilner Ala Retractor	Two Sharp points, Width a)10mm Length 8.5cm	per pcs.	1
72	Kilner Ala Retractor	Two Sharp points, Width b) 13mm, Length 8.5cm	per pcs.	2
73	Max Sinus Probe	Double Ended Maxi Sinus ostium seeker. Ball shaped Ends diameter 1.2 , Length 19 cm	per pcs.	1
74	Max Sinus Probe	Double Ended Maxi Sinus ostium seeker. Ball shaped Ends diameter 2mm , Length 19 cm	per pcs.	2
75	Nasal probe curved	working length =11cm, Total Length 18cm	per pcs.	1
76	Nasal Speculum with Fiber optic light carrier	Length 13.5cm ,Blade length 55mm	per pcs.	1
77	Nasal Suction Tube Malleable	* Length 22.5mm * OD 3mm	per pcs.	2
78	Buck Ear Curette	Angled, Sharp Overall length 145mm (5.7")	per pcs.	1
79	Buck Ear Curette	Angled, Dull Overall length 145mm (5.7")	per pcs.	2

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80	Otoscope with set of speculum with Siegel's speculum	Otoscope with set of speculum with Siegel's speculum	Per Set	3
81	Pick 45 deg	length 16cm 0.5 mm,	per pcs.	1
82	Pick 45 deg	length 16cm 0.8 mm	per pcs.	1
83	Pick 90 deg	length 16cm 0.4mm	per pcs.	1
84	Pick 90 deg	length 16cm 0.6mm	per pcs.	1
85	Pick 90 deg	length 16cm 0.8mm	per pcs.	1
86	Plester Hook	Retrospective, 2mm, length 15.5cm , To abrade the underside of tympanic membrane	per pcs.	3
87	Plester Knife	round , vertical, length 16cm, size : 3.5 x 2.5 mm	per pcs.	3
88	Plester Knife	round , vertical, length 16cm, size : 4 x 2mm	per pcs.	4
89	Plester Knife	round , vertical, length 16cm, size 4.5 x 2.5 mm	per pcs.	3
90	Plester mastoid retractor (Right & Left)	3x3 prongs & flat 11cm 2x2 prong , 13cm	per pcs.	3
91	Plester Sickle knife	Round timp. Double cutting, Length 19cm	per pcs.	10
92	Rongeur Curved Shaped	Length-20cm	per pcs.	1
93	Rongeur Straight Shaped	Length-20cm	per pcs.	1
94	Rosen Elevator	Tip angled 15 deg, 12 mm long , width 1.5mm , length 16cm	per pcs.	5
95	Round knife 0 deg	Length 16cm , Diameter 2mm	per pcs.	1
96	Round knife 0 deg	Length 16cm , Diameter 2.5mm	per pcs.	1
97	Round knife 25 deg	Length 16cm, Diameter 2mm	per pcs.	1
98	Round knife 25 deg	Length 16cm, Diameter 2.5mm	per pcs.	1
99	Round knife 45 deg	Round knife 45 deg- Length 16cm, Diameter 1mm	per pcs.	1
100	Round knife 45 deg- Length 16cm, Diameter 2mm	Length 16cm, Diameter 2mm	per pcs.	1
101	Round knife 90 deg	Round knife 90deg:- Length 16cm, Diameter 2mm	per pcs.	1
102	Round knife 90 deg	Length 16cm, Diameter 2.5 mm	per pcs.	1
103	Single Prong Straight Skin Retractor	Length 17cm	per pcs.	2
104	Sphenoid Punch 90 deg	3.5 X 3.7 mm , 14cm, downbiting backward,	per pcs.	1
105	Sphenoid Punch Reversible	3.2 x 4mm , 17cm (length)	per pcs.	1
106	St Clair thomson nasal speculum	* length 13 cm * for adults	per pcs.	4
107	St Clair thomson nasal speculum	* length 13 cm *for Children	per pcs.	2
108	Suture forceps	smooth , width of jaw 0.5mm, Length 16cm	per pcs.	1
109	Suture forceps	smooth , width of jaw 0.8mm, Length 16cm	per pcs.	2
110	Fine artery forceps (curved)	Fine artery forceps (curved)	per pcs.	10
111	Iris Scissor	Iris Scissor	per pcs.	10
112	Mastoid cell seeker	Mastoid cell seeker	per pcs.	8
113	Round body B.P. handle	Round body B.P. handle no. 3	per pcs.	3

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	no. 3		
114	Round body B.P. handle no. 4	Round body B.P. handle no. 4	per pcs. 3
115	Adaptor for suction cannula	Adaptor for suction cannula	per pcs. 4
116	Bisturi for micro ear surgery	Bisturi for micro ear surgery	per pcs. 10
117	Cupped crocodile micro forceps for ear surgery	Cupped crocodile micro forceps for ear surgery	per pcs. 6
118	Gigli saw wire (Consumable)	Gigli saw wire (Consumable)	per pcs. 10
119	Mastoid retractor	(Plester 3x3 and Mollison's)	per pcs. 1
120	Micro currette for ear surgery	Micro currette for ear surgery	per pcs. 5
121	Nasal Osteotome	2mm Straight	per pcs. 1
122	Nasal Osteotome	2mm Curved	per pcs. 2
123	Self retaining ear speculum	Self retaining ear speculum (all sizes)	per pcs. 6
124	St Clair thomson nasal speculum	small	per pcs. 1
125	St Clair thomson nasal speculum	medium	per pcs. 2
126	St Clair thomson nasal speculum	large	per pcs. 2
127	Tilley Hankel's forceps	Tilley Hankel's forceps	per pcs. 2
128	Tonsillar snare	Tonsillar snare	per pcs. 13
129	Tooth forcep	fine 3/4 inch	per pcs. 5
130	Tonsillar tooth forcep	6 inch (waugh)	per pcs. 1
131	Tissue forceps	delicate, 1x2 teeth, Straight , length 10 cm	per pcs. 2
132	Tissue forceps	delicate, 1x2 teeth, Curved , length 10 cm	per pcs. 3
133	Malsey Needle Holder	130mm 150mm	per pcs. 2
134	Adson forcep	150mm plain, 150, mm with teeth,	per pcs. 1
135	Adson forcep	plain, 75mm with tooth	per pcs. 2
136	Double ended freer septum elevator	Double ended freer septum elevator	per pcs. 3
137	Atraumatic Tissue forcep	180mm long	per pcs. 6
138	Metzenbaum Scissors	150mm curved	per pcs. 1
139	180mm curved	180mm curved	per pcs. 2
140	Metzenbaum Scissors	200mm curved	per pcs. 1
141	Cottle scissors	165mm	per pcs. 2
142	Osteotome with guard	2mm, right & Left	per pcs. 1
143	Osteotome with guard	4mm, right & Left	per pcs. 1
144	Double ended rasp	(a) 1 & 2 Grit (7x20 mm tip),	per pcs. 1
145	Double ended rasp 38i4 Grit	(7x20 mm tip)	per pcs. 1
146	Adult Laryngoscope with fibre glass light	Adult Laryngoscope with fibre glass light carrier	per pcs. 1

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	carrier			
147	Curved Curette	double ended	per pcs.	1
148	Black Ear Speculum of Assorted sizes	Black Ear Speculum of Assorted sizes	per pcs.	2
149	Causse Loop Piston	Shaft diameter 0.4, Loop Inner Diameter 0.6mm, Fluoroplastic made Length 6mm	per pcs.	2
150	Causse Loop Piston	Shaft diameter 0.6, Loop Inner Diameter 0.6mm, Fluoroplastic made Length 6mm	per pcs.	4
151	Standard Nasal Dressing	(a) size 8.0 cm long x with drawstring	per pcs.	50
152	Ear packing	(a) size 24 mm long x 9 mm diameter long	per pcs.	20
153	Anterior commissure	medium universal size, triangular spatula shaped, length 17 cm	per pcs.	1
154	Kleinsasser Operating Laryngoscope for adults,	Kleinsasser Operating Laryngoscope for adults,	per pcs.	1
155	Fiberoptic light carrier	length 16 cm for use with laryngoscopes	per pcs.	1
156	Kleinsasser laryngoscope	medium length 18 cm	per pcs.	1
157	Probes	a) straight, diameter 1 mm	per pcs.	1
158	Hook 900 2 mm	sharp, delicate 3 to 1 mm, tapreed shaft, totla length 23 cm	per pcs.	1
159	Universal Handle forceps shape with 2 handle rings	length 9 cm	per pcs.	1
160	Suction Elevator Cured to right with grip plate and cut-off hole	working length 21 cm, total length 23 cm	per pcs.	1
161	Kleinsasser suction tube	outer diameter 2 mm	per pcs.	2
162	Kleinsasser suction tube	outer diameter 2.5 mm	per pcs.	1
163	Kleinsasser suction tube	outer diameter 3 mm	per pcs.	1
164	Probe Straight	diameter 1 mm	per pcs.	1
165	Probe, Straight	diameter 1 mm, angled 45 degree	per pcs.	1
166	Sickle knife, curved	delicate, 3 to 1 mm tapered shaft, total length 20-25 cm	per pcs.	1
167	Round knife, vertical cutting	delicate, 3 to 1 mm tapered shaft, total length 20-25 cm	per pcs.	1
168	Hook 90 degree	1 mm, sharp delicate 3 to 1 mm, 3 to 0.6 mm tapered shaft, total length 20-25 cm	per pcs.	1
169	Dissector	straight, ball end, delicate, diameter 1.3 mm, 3 to 0.6 mm tapered shaft, total length 20-25 cm	per pcs.	1
170	Elevator	Slightly curved blunt delicate, 3 to 1 mm tapered shaft, total length 20-25 cm	per pcs.	1
171	Elevator	Slightly curved blunt delicate, 3 to 1 mm tapered shaft, total length 20-25 cm, sharp tip	per pcs.	1
172	Elevator	Slightly curved blunt delicate, 3 to 1 mm tapered shaft, total length 20-25 cm, angled 15 degree	per pcs.	1
173	Needle holder	straight working length 20-25 cm	per pcs.	1

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174	Micro forceps straight	with 1 mm cupped jaws, working length 20-25 cm	per pcs.	1
175	Micro forceps, straight with 1 mm cupped jaws	working length 20-25 cm, curved upwards	per pcs.	1
176	Micro forceps, straight with 1 mm cupped jaws	working length 20-25 cm, curved to right	per pcs.	1
177	Micro forceps straight, with 1 mm cupped jaws	working length 20-25 cm. curved to left	per pcs.	1
178	Micro grasping forceps, serrated, straight	working length 20-25 cm	per pcs.	1
179	Micro grasping forceps, serrated, straight	working length 20-25 cm, curved upwards	per pcs.	1
180	Micro grasping forceps, serrated, straight	working length 20-25 cm, curved to right	per pcs.	1
181	Micro grasping forceps, serrated, straight	working length 20-25 cm, curved to left	per pcs.	1
182	Micro grasping forceps, curved upwards to right	working length 20-25 cm	per pcs.	1
183	Micro grasping forceps, curved upwards to left	working length 20-25 cm	per pcs.	1
184	Micro scissors, straight	working length 20-25 cm	per pcs.	1
185	Micro scissors, straight	working length 20-25 cm curved to right	per pcs.	1
186	Micro scissors, straight	working length 20-25 cm curved to left	per pcs.	1
187	Micro grasping forceps, straight hollowed jaws, serrated tips, opens horizontally to right	working length 20-25 cm	per pcs.	1
188	ear curette	ear curette	per pcs.	3
189	Cerumen ear hook	Cerumen ear hook	per pcs.	5
190	Jobson home probe	Jobson home probe	per pcs.	15
191	Hand piece Surgical Straight/Angled Min 30000 RPM Compatible with surgical micro drill of + > 30000 RPM with Lubricant spray	Hand piece Surgical Straight/Angled Min 30000 RPM Compatible with surgical micro drill of + > 30000 RPM with Lubricant spray	per pcs.	2
192	Portable side light for minor operation theater	Portable side light for minor operation theater	per pcs.	2
193	Head light for ENT surgeries with Fiberoptic cable and xenon light source	Head light for ENT surgeries with Fiberoptic cable and xenon light source	per pcs.	3
194	Backbiting forceps for endoscopic sinus surgery	Backbiting forceps for endoscopic sinus surgery	per pcs.	1
195	Tongue depressor stainless steel (lacs spatula)	Tongue depressor stainless steel (lacs spatula)	per pcs.	16

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196	Indirect laryngoscope mirrors	size 5	per pcs.	9
197	Posterior laryngoscope mirrors 2	Posterior laryngoscope mirrors 2	per pcs.	2
198	Thudicums nasal speculum	Thudicums nasal speculum	per pcs.	13
199	Tuning forks	Tuning forks 256hz	per pcs.	1
200	Tuning forks	Tuning forks 512 hz	per pcs.	6
201	Tuning forks	Tuning forks 1024 hz	per pcs.	3
202.	Head light with cold light illumination (Imported): Diameter of the light filled from 50mm-16mm, 3 dimensional adjustment, shadow Free light illumination	Head light with cold light illumination (Imported): Diameter of the light filled from 50mm-16mm, 3 dimensional adjustment, shadow Free light illumination	per pcs.	2
203.	Hand piece surgical straight minimum 30000rpm compatible with surgical microdrill of +>30000rpm with lubricant spray	Hand piece surgical straight minimum 30000rpm compatible with surgical microdrill of +>30000rpm with lubricant spray	per pcs.	2
204.	Hand piece surgical angled minimum 30000rpm compatible with surgical microdrill of +>30000rpm with lubricant spray	Hand piece surgical angled minimum 30000rpm compatible with surgical microdrill of +>30000rpm with lubricant spray	per pcs.	2
205.	Oto endoscope 0° degree 1.9mm diameter	Oto endoscope 0° degree 1.9mm diameter	per pcs.	2
206.	Portable sidelight for minor Operation theater	Portable sidelight for minor Operation theater	per pcs.	2
207.	Headlight for ENT surgery with fibre optic cable and xenon light source	Headlight for ENT surgery with fibre optic cable and xenon light source	per pcs.	2
208.	3 Chip Camera System with Monitor	Should have high definition Video with 1280X1024 native output Standard Aspect Ratio Over1000 Lines Resolution with progressive Scan progressive Scan on both camera Consol and Camera Head Electronic Flexible Scope Filter Multi Specialty Settings Automatic Brightness Control	Per Set	1

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		<p>Full Digital Signal Processing Digital Zoom and Multi step image Enhancer White Balance, Digital Zoom and Brightness Level Control on Camera Head. RBG, DVI – 2, S-VIDEO & Composite Output Should be USFDA and European CE approved.</p> <p>Monitor High Definition LED 26'' or more flat panel monitor, PAL system compatible. Composite, S-Video and DVI inputs, compact & Light weight design, Resolution over 1100 lines. Native Resolution 1920 x 1080p or above. The monitor should support direct fiber input, DVI and composite Should be supplied with desktop stand. Should be USFDA and European CE approved.</p>		
210.	Light Source	<p>220 Volts, 300 watts Xenon Bulb with Elliptical Bulb Design</p> <p>High color temperature – more than 6000 K corresponds to brightness of sunlight resulting in high visual and photographic clarity for color retention Monitoring of Lamp function, bulb life counter on light source Standby Mode Universal jaw assembly to adapt any make of Fiber Optic Cable Light intensity adjustment continuously adjustable from 0 to 100 % manually Fiber optic light cable – Qty 04 no's Should be USFDA and European CE approved.</p>	Per Set	1
211.	Doctor Stool	<p>Height adjustment by hydraulic system & minimum height should be 21'' and maximum height 30''</p> <p>Backrest and hand rest facility Facility of foot operation and three spindle base. Multi positioning for wrist rest / arm rest Surgeon stool mobile with locking facility should be comfortable during all type of surgery. Surgeon stool should be from well-reputed international manufacturer User ref. with performance report Should be imported.</p>	Per Set	1

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*The quantity is approximate and may vary at the time of placing orders.