

ANNEXURE – A

Tender Notice No. ENT/EQUIP/12-RIMS

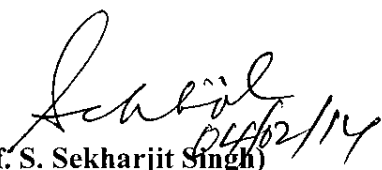
Imphal the 4th Feb., 2014
Due date 4th March 2014

Sl.No.	Instruments	Specifications	Qty.
1	Operating Microscope for temporal bone dissection with camera and monitor system	<p>Maximum intensity 75,000 Lux Brightness – continuously variable Filters – Built in heat absorbing filter and UV, Green and Blue filters with switchable facility. Light transmission by Fibre optic cable. Light source – twin outlet 15V/150W halogen Lamp Reflector Illumination – Standard 6 illumination coupled with (-) 2 illumination for bright red reflex. Weight: 51kg Height: 147cm Field diameter: 50mm Microscope control: all manual except power focus range, 40mm Eyepiece power: 12.5x Total range: 4x, 6x, 10x, 16x, 25x. Speed: 1.5 mm/sec Focal length: From 175 up to 400, (175, 200, 300, 400 mm) Interpupillary distance: 48-78 mm</p>	1
2	Hand instruments for temporal bone dissection.		1
	i) Micromotor (microdrill with hand piece)	<p>Micromotor/cable, 3.0m, 0 to +/- 40 torque mNm Speed from 4000 to 80,000 rpm with DUO-S80, self ventilated, coupling according to ISO 3964, the most widespread standard in the world Dimension/weight: Diameter 21 mm, length 100 mm, nose including ISO/120 gm without cable Motor cable type push-pull side – S80 DUO, Length 3 m Motor Cable. Sterilisation in an Autoclave</p>	1
	ii) Micromotor Handpiece	<p>1:1 gear ratio, extra strong release chucks system for straight shaft 70 mm length burrs.</p>	2
	iii) Burrs of assorted sizes	<p>Cutting burrs: size (diameter) – 8mm, 10mm, 18mm, 35mm, 40mm Length: 7cm Diamond burrs: size (diameter) – 8mm, 10mm, 18mm, 35mm, 40mm Length: 7cm</p>	1 each
	iv) Suction apparatus	<p>Finely regulatable 0-710mm ± 10 Hg vacuum (easy to read-off) Heavy duty rotary pump overflow safety device: Overflow check valve and removable filter to protect the pump from moisture. Packaging details: Packed in heavy duty cardboard boxes.</p>	1

		Max vacuum	710 ± 10 Hg regulatable through Vacuum Control Knob.						
		Suction capacity	35 ltrs./MIN						
		Vacuum Gauge	Burden Type 3" 0-760mm Hg calibration.						
		Suction Bottle	Glass jars or 2 x 2000cc Poly carbonate jars (UNBREAKABLE) with over flow check valve (float type).						
		Sound	Noiseless Motor: 1/4 hp motor.						
		Vacuum Pump	Rotary type.						
		Power Source	AC 220V 50 Hz. Single Phase.						
		Overall size	L 330mm x W 405mm x H 730mm (approx.)						
		Finish	Powder coated.						
		Weight	24 kg (approx.)						
	v) Suction tip and rubber pipes	<ul style="list-style-type: none"> - Suction handle, with cut off hole, LUER cone, length 10cm, for use with suction tubes 204005-204025, 204305-204330 - PLESTER suction tubes, with grip plate, cut off hole and stylet, LUER, 5 Fr, length 20cm. - PLESTER suction tubes, with grip plate, cut off hole and stylet, LUER 7 Fr, length 20cm - PLESTER suction tubes, with grip plate, cut off hole and stylet, LUER 9 Fr, length 20cm - Suction tube, angular, LUER-lock, outer diameter 0.7mm, working length 6cm - Suction tube, angular, LUER-lock, outer diameter 1mm, working length 6cm - Suction tube, angular, LUER-lock, outer diameter 1.3mm, working length 6cm - Suction tube, angular, LUER-lock, outer diameter 1.5mm, working length 6cm - Suction tube, angular, LUER-lock, outer diameter 2mm, working length 6cm 			2 piece each				
	vi) Temporal bone holder- whole skull	<ul style="list-style-type: none"> - Constructed of autoclavable stainless steel - Adjustable screw-in clamps securely holds temporal bone for examination - Weighted for positioning. 			1				
3	Flexible Fibreoptic Oesophagoscope with camera and Xenon Light Source 300 watt	<p>Field of view: 140 to 150 Degree Direction of view: 0 Degree (forward viewing) Depth of field: 2-100mm Outer diameter (Distal End): 9.0 to 9.2mm Range of distal end bending: Up – 210 Degree Down – 90 Degree Rt. – 100 Degree Lt. – 100 Degree Outer diameter (Insertion Tube): 9.0 to 9.2mm. Working length: 1020 to 1030mm. Total length: 1310 to 1360mm Instrument Channel Inner Diameter: 2 to 3mm.</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 25%;">Observation</td> <td style="width: 25%;">Video signal</td> <td colspan="2">Y/C, RGB, VBS composite</td> </tr> </table>			Observation	Video signal	Y/C, RGB, VBS composite		I set
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		output	and XGA signal: simultaneous output is possible.
		White balance adjustment	By pressing the white balance switch on the front panel, automatic white balance can be performed.
		Colour tone adjustment	“R” control: 7 steps “B” control: 7 steps
		Iris mode selection	Average: normal observation Peak: when focusing on and/or observing a small bright area.
		Image enhancement setting	Fine patterns or edges in endoscopic images can be enhanced electrically to increase the image sharpness. Either the structural enhancement or edge enhancement can be selected.
	Documentation	Patient data	The following data can be displayed on the video monitor using keyboard 1. patient id number 2. patient name 3. sex, age 4. date of birth 5. comments
	Illumination	Switching of lamps	Manual
		LAMP A& B	150 W halogen lamp
		Lamp life	Approx. 50 hours of continuous use when used intermittently, the lamp life may vary slightly.
		Ignition	Switching regulator
		Light output adjustment	Light path diaphragm control
		Cooling pump	Forced air cooling
	Air feeding	Pump	Diaphragm type pump
		Airflow	Low, high, stop
	Power supply	Voltage	PAL: 220 - 240V AC, NTSC: 100 – 120V AC
		Frequency	50/60 Hz
	Size	Dimension	295 (W)mm, 160 (H)mm, 414 (D)mm
		Weight	13 kg.

4	Rigid Nasal endoscopes	<p>0 degree: a-HOPKINS II Wide Angle Straight Forward telescope 0 degree, enlarged view, diameter 4mm, length 18cm, autoclavable, filter optic light transmission incorporated, colour code: green.</p> <p>45 degree: HOPKINS II Wide Angle Lateral Telescope 45 degree, enlarged view, diameter 2.7mm, autoclavable. Fiber optic light transmission incorporated.</p> <p>90 degree: HOPKINS II Wide Angle Lateral laryngeal Telescope 90 degree, enlarged view, diameter 10mm x 13mm, length 18cm, autoclavable. Fiber optic light transmission incorporated.</p>	<p>1</p> <p>1</p> <p>1</p>
5	Flexible Fibreoptic Bronchoscope with camera.	<p>Field of view: 120-130 degree Direction of view: Deg (Forward viewing) Depth of field: 100 mm Outer diameter (Distal end): 5.8-6.0mm Range of distal end bending – UP 180 degree and down 130 degree Outer diameter (insertion tube): 5.8-6.0mm Working length: 580-600mm Total length: 800-870mm Instrument channel inner diameter: 2.8mm Minimum visible distance: 2-3mm from distal end Should be Laser compatibility and electro cautery.</p>	1 set


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