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Prebid Corrigendum Tender No.:180

Tender No.:180 AIIMS BHOPAL/HC/RC-PULMONARY/DIFFUSION SYSTEM, SPIROMETER, THORACOSCOPY SYSTEM AND EBUS/2014-15/01

Existing	Corrigendum
For all items 1-4: Tender opening will be done on 3 Feb 2015.	
<b>Diffusion System</b>	
1. <b>Lung Diffusion Capacity Tests includes</b> a) Single-Breath with Breath Hold. b) Intra-breath	<b>Lung Diffusion Capacity Tests includes</b> Single-Breath with Breath Hold
2. <b>Flowmeter</b> : Bidirectional Pneumotach/Ultrasonic , Flow range 0.02 - 14 l/s, Accuracy $\pm 2\%$ , Resistance <1 cmH <sub>2</sub> O/l/s @ 14 l/s	<b>Flowmeter</b> : Bidirectional Pneumotach/Ultrasonic , Flow range 0.02 - 14 l/s, Accuracy $\pm 3\%$ , Resistance <1 cmH <sub>2</sub> O/l/s @ 14 l/s
3. <b>Breathing Valves</b>	<b>It Should read as "Breathing Valves or Demand Valve"</b>
4. <b>Essential Accessories:</b> Bacterial Filters (5000 nos.),	<b>Essential Accessories:</b> Bacterial Filters (2000 nos.) <b>Or</b> In case of reusable pneumotachs – 100 pneumotachs along with 1000 nos bacterial filters should be provided
5. <b>Up-gradation:</b> The system should be upgradable to Lung Volumes by Nitrogen Washout method, Cardio-pulmonary Exercise Testing, Body Plethysmography, Respiratory Mechanics (MIP/MEP & PO.1), Airway Resistance (Roccc/Rint) & Integrated Dosimeter in future.	<b>Up-gradation:</b> The system should be upgradable to Lung Volumes by Nitrogen Washout/He method, Cardio-pulmonary Exercise Testing, Body Plethysmography, Respiratory Mechanics (MIP/MEP & PO.1), Airway Resistance (Roccc/Rint) & Integrated Dosimeter in future.
<b>Spirometer</b>	
6. It should have a calibration free Ultrasonic sensor.	It should have a pneumotach /Ultrasonic sensor.
7. The system should have a reusable ultrasonic sensor (not requiring disposable tubes) free from calibration and any kind of frictional inefficiencies and which is absolutely insensitive to moisture.	The system should have reusable pneumotach/ ultrasonic sensor with calibration syringe of 3 L ( if needed). It should be easy to calibrate and handle.
8. <b>Flow Measurement</b> Range : 0 to +/- 16 Ltrs/sec with accuracy better than +/- 2.5% subject to a min of 50 ml/sec and resolution as low as 10 ml/sec.	<b>Flow Measurement</b> Range : 0 to +/- 16 Ltrs/sec with accuracy better than +/- 3% subject to a min of 50 ml/sec and resolution as low as 10 ml/sec.
9. VC in , V C ex, V C max, IRV, ERV, VT, IC, Frequency, MVV, , ti, te, ti/te, FVC, FEV1, FEV 0.5, FEV 1/ VC max, FEV 1/ FVC ex, MEF25, MEF 25-75, PEF, PIF and AREA under expiratory f/v curve, Dead Space measurement, Emphysema and Capno-volumetry measurement.	VC in , V C ex, V C max, IRV, ERV, VT, IC, Frequency, MVV, , ti, te, ti/te, FVC, FEV1, FEV 0.5, FEV 1/ VC max, FEV 1/ FVC ex, MEF25, MEF 25-75, PEF, PIF and AREA under expiratory f/v curve.

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10.		<p><b>With possible up gradation to</b></p> <ul style="list-style-type: none"> <li>• Resistance (Occlusion/ Oscillatory)</li> <li>• Diffusion Spirometry He dilution/ CO diffusion SB</li> <li>• MIP &amp; MEP for respiratory muscle strength</li> <li>• Lung Volumes by Nitrogen Washout method</li> <li>• Cardio-pulmonary Exercise Testing,</li> <li>• Body Plethysmography</li> <li>• Airway Resistance (Rocc/Rint)</li> <li>• Integrated Dosimeter.</li> </ul> <p><b>Document should be provided in support of this.</b></p>
11.	Multifunction color laser printer, scanner and copier with air printing, automatic document feeder, automatic dual side printing with inbuilt wi-fi modem.	Scanner: Flatbed, Automatic document feeder, with capacity of 50 pages and scan capacity of minimum 15ppm, duplex scanning with integrated networking
12.	European CE or US-FDA approved.	European CE and US-FDA approved.
13.	It should be supplied with 2000 bacterial filters and 5000 disposable cardboard mouth pieces and 20 Nose Clips.	<p><b>Essential Accessories:</b> The system should be supplied with all essential accessories required like Mobile trolley along with all necessary adapters, cables and software, UPS (1 KVA), Silicon Mouthpieces (200 nos.), Paper Mouthpieces Adult (5000 nos.), Paper Mouthpieces Paediatric (200 nos.),Nose clips (20 nos.)</p> <p>Bacterial Filters (2000 nos.)</p> <p><b>Or</b></p> <p>In case of reusable pneumotachs – 100 pneumotachs along with 1000 nos. bacterial filters should be provided</p>
<b>Thoracoscopy System</b>		
14.	One forward viewing rigid telescope with diameter of 5-6.5 mm, and instrument channel of minimum 3.5 mm and light transmission.	One forward viewing rigid telescope with diameter of 5-6.5 mm, and instrument channel of minimum 3.5 mm and integrated light transmission.
15.	Xenon light source (atleast 175 Watt) with fiberoptic light cable (one)	Xenon light source (atleast 180 Watt) with fiberoptic light cable (one)
16.	Coagulation mode should have option of variable coagulation like soft coagulation, forced coagulation, spray coagulation	Coagulation mode should have option of variable coagulation like soft coagulation and forced coagulation
17.	Endoscopic camera (one CCD), with minimum zoom range 21-36	Endoscopic camera (Single chip HD), with minimum zoom range 21-36
18.	Color monitor with minimum 18 inches screen	Color monitor with minimum 21 inches screen
<b>Endobronchial Ultrasound system:</b>		
19.	Field of view At least 100o (at least 45o forward oblique)	Field of view At least 80o (at least 35o forward oblique)
20.	Rigid distal width	Rigid distal width

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	Probe not more than 6.5x7.0 mm	Probe not more than 6.5x10.0 mm
21.	Acoustic frequency 5-10 MHz switchable	Acoustic frequency 5-12 MHz switchable
22.	Scan angle 75 degree	Scan angle 60 degree
23.	Omni directional M-mode, B-mode and Doppler mode	B-mode and Doppler mode
24.	High definition dynamic tissue harmonic imaging	This point should be omitted
25.		<p><b><u>These points should be added:</u></b></p> <p><b><u>Radial EBUS System:</u></b></p> <p><b>Main Unit - 1 No</b></p> <ol style="list-style-type: none"><li>1. Probe driving unit should support various endoscopic and endo-bronchial ultrasound procedures.</li><li>2. Frequency range should be up to 30 MHz to enabling resolution of superficial airway layers and peripheral lung nodules</li><li>3. Should be Compatible with existing Video Processor in the department</li></ol> <p><b>Probes</b></p> <ol style="list-style-type: none"><li>1. Balloon contact method probe – 1 No. Maximum diameter along with balloon sheath should be less than or equal to 2.6 mm to allow smooth passage through a 2.8 mm channel scope. Frequency – 20 MHz with 360 degree B-Mode mechanical radial scanning. Working length should be more than 2000 mm</li><li>2. Direct contact method probe (20 MHz) with guide sheath compatibility – 1 No. Maximum diameter of 2.0 mm maximum that should easily fit through a 2.2mm channel endoscope Frequency – 20 MHz with 360 degree B-Mode mechanical radial scanning. Working length should be more than 2000 mm</li><li>3. Direct contact method probe (20 MHz) with guide sheath compatibility – 1 No. Maximum diameter of 1.8 mm maximum that should easily fit through a 2.0mm channel endoscope Frequency – 20 MHz with 360 degree B-Mode mechanical radial scanning. Working length should be more than 2000 mm</li></ol> <p><b>Accessories</b></p> <ol style="list-style-type: none"><li>1) Dedicated Balloon sheaths for balloon contact probe – 10 No</li><li>2) Dedicated Balloon connector for balloon contact</li></ol>



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		<p>probe – 4 No</p> <ol style="list-style-type: none"><li>3) Dedicated applicator for balloon contact probe- 2 No</li><li>4) Guide sheath kits with biopsy forceps and cytology brush for 2.0 mm direct contact probes – 20 No</li><li>5) Storage box for the equipment and for the probe driving unit should be provided.</li><li>6) Prices of all spares and accessories valid from 6-10 years should be quoted along with their warranty period.</li><li>7) In case of any breakdown or fault, repair should be undertaken within 48 hours of receipt of such information. Failure to do so shall make the company liable for a penalty of 2% per day of the cost of the equipment.</li><li>8) Should have authorized service centre in Bhopal/Madhya Pradesh.</li></ol>
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Dr Abhishek Goyal

Asst Professor

AIIMS Bhopal