

LIST EQUIPMENTS FOR PULMONARY DEPARTMENT

S.NO.	NAME OF EQUIPMENT	Quantity
1	Complete pulmonary function testing (Including DLCO)	
1.A	Complete pulmonary function testing (Including DLCO) without Body box	3
1.B	Complete pulmonary function testing (Including DLCO) with Body box	3
2	Video bronchoscope	3
3	Complete Polysomnography	3

Sr.No.	Name of equipment	Suggested Detailed Specifications
1	Complete pulmonary function testing (Including DLCO)	
1.A	Complete pulmonary function testing (Including DLCO) without Body box	<p>Complete pulmonary function testing (Including DLCO) without Body box</p> <p>Able to measure, Volumes, flows, CO diffusion in adults and pediatrics patients</p> <p>CO analyzer 0-0.4%, Oxygen analyzer</p> <p>Helium analyzer 0-9.5%</p> <p>Body box system (if available is preferable)</p> <p>Without body box</p> <p>Flow measurements 0 to ± 20 lts</p> <p>Single breath and intra breath measurement</p> <p>MEP and MIP measurement</p> <p>Volume determination 0 ± 20 lts</p> <p>Mouth pressure ± 20 kpa</p> <p>Computer, printer and monitor on an ergonomic trolley</p> <p>Computer recording and analysis software including powerful data management features, calibration program and report system</p> <p>Warranty: 3 years</p> <p>CMC: 5 years</p> <p>Quality certification: - Both USFDA & European CE by notified body.</p> <p>Without body box system should be upgradable with body box in next three years.</p>
1.B	Complete pulmonary function testing (Including DLCO) with Body box	<p>Complete pulmonary function testing (Including DLCO) without Body box</p> <p>Able to measure, Volumes, flows, CO diffusion in adults and pediatrics patients</p> <p>CO analyzer 0-0.4%, Oxygen analyzer</p> <p>Helium analyzer 0-9.5%</p> <p>Body box system (if available is preferable)</p> <p>Without body box</p> <p>Flow measurements 0 to ± 20 lts</p> <p>Single breath and intra breath measurement</p> <p>MEP and MIP measurement</p> <p>Volume determination 0 ± 20 lts</p> <p>Mouth pressure ± 20 kpa</p> <p>Computer, printer and monitor on an ergonomic trolley</p>

		<p>Computer recording and analysis software including powerful data management features, calibration program and report system Warranty: 3 years CMC: 5 years Quality certification: - Both USFDA & European CE by notified body certification is required. Should be supplied with following accessories:- 1 . Body box system :- Separate quote should be provided for complete lung function test with body box and without body box both. 2) Consumable : cylinder Helium , Carbon mono-oxide cylinder All consumables and accessories (list to be provided with rate) for three years in technical bid and reserve stock should be provided for six months cycle .</p>
<p>Note:- Bidders are requested to quote both A & B items. Purchaser can place order either for Complete pulmonary function testing (Including DLCO) with Body box or for Complete pulmonary function testing (Including DLCO) without Body box or both.</p>		
2)	Video bronchoscope	<ul style="list-style-type: none"> - Field of vision minimum 120 Degree - Angulations 180 degree up to at least 130 degrees down. - Distal end outer diameter upto 6 mm. - Working length 600 mm, -channel inner diameter at least 2 mm with compatible video processor, - Compatible with laser, electro-cautery equipment - With standard accessories, and instrument trolley <p>Monitor: LED colour medical monitor. Lamp: XENON short ARC All items should be of same manufacturer except computer system and printer (It should be with latest specifications). Certification: - USFDA /European CE. Warranty: 3 years CMC: 5 years</p>
3)	Complete Polysomnography	<p>Feature required Compatible with AASM/ERS & CGHS government of India norms for level 1 polysomnography with complete compatible CPAP + Bi PAP titration and facility for oxygen supplementation during titration. It should have channels for - Flow (even during CPAP therapy - oxygen saturation, pulse, Thorax effort, - abdomen effort - EEG, EOG, EMG, ECG, Respiratory channels + video facility with compatible camera software & all accessories required on turnkey basis (except civil work) Certification: USFDA/European CE Warranty: 3 years CMC: 5 years</p>