

**AMENDMENT-II**

**Ref.: IFB No. HSCC/SJH/Medical Equipment/2016/26 Dated 04.01.2017**

Sub.: Procurement of Medical Equipment for New Emergency Block & Super- Specialty Block at Safdarjung Hospital, New Delhi.

Pre bid queries are being examined for item no. 1, 2, in Safdarjung Hospital. It is proposed to revise the bid submission date from 06.02.2017 to 13.02.2017...till further amendment.

For item no 3 and 4 all specification remains unchanged. And it is proposed to revise the bid submission date from 06.02.2017 to 13.02.2017.

For item No.5 (PFT System with diffusion system) Technical Amendment have been received from Safdarjung Hospital (as enclosed ) in view of the pre bid meeting queries submitted by the prospective bidders it is to be uploaded on the website today and it proposed to revise the bid submission date from 06.02.2017 to 13.02.2017. for item No. 5.

**Technical Amendment for Item No. 5**

**ITEM No. 5 PFT SYSTEM WITH DIFFUSION STUDY**

For the measurement of :

1. Spirometry & Flow Volume Parameters,
2. Maximum Ventilation Volume (MVV),
3. Lung Volumes & Sub-divisions including TLC, RV & FR C by Single Breath as well as Multi-breath Helium Dilution Method or intra-breath method as an alternative method
4. Single Breath Diffusion Capacity (DLCO-He) , KCO,
5. Pre & Post Bronchodilator comparison.
6. System should incorporate ultrasonic Spirometer (11-13 litre Capacity) / Heated Pneumotach for highest accuracy & reproducibility.
7. Volume Resolution : < 8 lts Volume Accuracy : < 0.5%
8. Minimum Flow Range : ± 14 Litres/Sec (Linear)
9. Flow Accuracy : < 3%  
Should meet Criteria for ATS Standards), Should have Linear Gas Analyzers for :
10. Helium Analyzer, Range 0-15% Helium, Accuracy ± 0.15%.
11. Carbon Monoxide Analyzer, Range 0-0.350% CO, Accuracy ± 0.15%, Should have O2 Analyzer for Precise O2 Compensation during FRCTest.
12. Oxygen Analyzer, Range 0-100% O2, Accuracy ± 0.15%,
13. Automatic Gas Control Module with Automatic Filling Circuit and Oxygen Compensation.  
Fully Automatic Test Procedure. Rapid & accurate Calibration with quality control
14. System should incorporate easily removable Mouthpiece Assembly for rapid Cleaning and Sterilization.
15. Should be supplied complete with Computer Interface, Cables, Trolley, PFT Software,
16. 3 Litre Calibration Syringe, Standard accessories & Instructions Manual.
17. Gas Mixture Cylinders - Diffusion Gas Mixture Cylinder & Cylinder for FRCTesting, are to be supplied
18. Additional Accessories : Pneumotach Screens (10 Nos), Pulmonary Filters (100 Nos), & Expired Bags (5 Nos), Breathing Tubes for Volumetric Spirometry (10 Nos), Breathing Tubes for

- MultibreathFRCTest(4Nos), to be supplied.
19. System should be upgradable to body system, MEP/ MIP and resistance method
  20. Latest i7 with Processor, 8GB RAM DDR3, full keyboard, 17" TFT Colour Monitor, USB Ports, Mouse,
  21. Windows, DVDR/W, HDD(1 TBByte), HP Deskjet Printer and double battery UPS.
  22. Should be US FDA and CE approved
  23. Latest model should be quoted.

Amendment to be issued will be uploaded on websites  
[www.tenderwizard.com/HSCC](http://www.tenderwizard.com/HSCC) & [www.hsccltd.com](http://www.hsccltd.com).

All other tender terms and conditions remain unchanged.

Submitted for Approval Please :

**Medical Superintendent  
Safdarjang Hospital & VMMC,  
New Delhi.**