Notice Inviting e-Tender

West Bengal Medical Services Corporation Limited
Swasthya Sathi
GN-29, Salt Lake, Sector-V
Kolkata-700091

Phone No (033) 40340307/320
E mail: procurement@wbmsc.gov.in

Supply and Commissioning of different types of Medical Equipment for the Dept. of Cardiology and Chest Medicine at Calcutta National Medical College and Hospital

(Submission of Bid through *online*)

(3rd call of   Bid Reference No.: WBMSCL/NIT-752/2024; Dated-20.12.2024)

Bid Reference No.: WBMSCL/NIT-372/2025	**Dated-08.05.2025**

AMENDMENT-I
REVISED TECHNICAL SPECIFICATION
Schedule-II

Impulse Oscillometry or Forced Oscillometry Technique

1. Measurement of respiratory impedance by Forced Oscillometry Technique (FOT) or Impulse Oscillometry Method (IOS).
2. It should be based on signal Optimized Pseudorandom Noise (PRN)/ Single Frequency Mode / Multiple Frequency mode between 5Hz and 30 Hz.
3. It should able to measure Respiratory system Impedance (both Resistance and Reactance) with within-breath (i.e. separate inspiratory and expiratory) and whole-breath analysis at each frequency, Resonance frequency, and frequency dependency.
4. It must be suitable for use in both adult and paediatric patients.
5. It must report coefficient of variations (CoV) or coherence at each frequency for quality assurance.
6. The measurement should be fast and the processing time should be less than 30 seconds.
7. The instrument should be supplied with suitable trolley for easy operation.
8. The equipment must be portable for carrying out test in field conditions or bedside.
9. Electrical requirements: 100240V ± 10%, 50/60 Hz
10. Environmental conditions: Temperature 12-40^{0}C; Humidity 30-100%

11. Software should be supplied with the equipment for reporting, data storing, and retrieving for research purpose.
12. The system should be supplied with all essential accessories.
    a. Reference impedance for calibration: one
    b. Antibacterial Filters: 100 nos
    c. Compatible Desktop PC with > 18.5" LED Color monitor, windows 10 with 64 Bit, 8GB RAM, Intel i5 processor or above, 500GB SSD or above
    d. High quality inktank printer: 01
    e. UPS (1 KVA): 01 for power back up to 30 minutes