

Rajasthan Medical Services Corporation Limited, Jaipur

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No. F-8() RMSC/EPM/M-2/18-19/NIB-428/ 645

Dated: 27/2/19

CLARIFICATION/CORRIGENDUM/ADDENDUM

Sub:- Revised bid Schedule and amended technical specification of the rate contract for 1. Spirometer 2. Portable Spirometer for under NIB No. F-8() RMSC/EPM/M-2/18-19/NIB-428/394 dated 08.02.2019

In reference to subject cited above and NIB-428, the representations received from the various firms and issues raised by the Bidders, are examined by the competent Authorities and technical committee and approved by purchase committee. The following Clarification/Corrigendum/Addendum is issued for inclusion in Bid document Amended Technical Specification of items as below:-

Revised Technical Specifications for Spirometer :-

Instrument should measure

- Spirometry & Flow Volume Parameters,
- Maximum Ventilation Volume,
- Lung Volumes & Sub-divisions,
- Pre & Post Bronchodilator comparison,
- Real Time Flow Volume and Volume Traces on Computer Screen.

Required Features:

- 1) Incorporates Precision Pneumotachograph.
- 2) Should meet Criteria of ATS Standards/ERS Standard:-
 - (i) Minimum Flow Range: + 0-14 L/Sec (Linear)
 - (ii) Resistance: 0.5 cm H₂O/L/Sec.
 - (iii) Accuracy = Error less than 3%
- 3) Parameters should be measured with **highest** accuracy & reproducibility and accuracy not effected with - Humidity, Moisture & Water droplets.
- 4) Should incorporate Electronic Barometer & Temperature Sensors, for Automatic BTPS Correction.
- 5) Overlaying of previous test curves for comparison.
- 6) Capability to select and modify predicted equations.
- 7) Facility to interface for desktop/ Laptop computer.
- 8) System shall be directly boot to software only.
- 9) Laptop Computer - 4 GB RAM,i7 processor with minimum 2.8ghz speed, 14" TFT Screen, USB Ports, DVD R/W, Hard Disc Drive (500Gb).
- 10) HP/Canon/Epson LaserJet printer.
- 11) UPS to be provided to run complete system and printer.
- 12) Should be supplied with computer interfacing package, Cables, Software, 2/3 Litre Calibration Syringe as per requirement of the instrument & Standard accessories, Manual and a Strong Carrying Case.
- 13) Additional Accessories: Pneumotach Screens (05 Nos), Pulmonary Filters (50 Nos), Disposable Mouthpieces (500 Nos) and nose clip.
- 14) Battery backup of more than 2 hours.
- 15) Instrument should conform to and certified by European CE/USFDA.
- 16) Equipment shall be ISO 26782:2009 certified.
- 17) The assemblage (Spirometer and laptop) should be portable.
- 18) Three years Guaranty to be given with the equipment.

- 19) CMC will be given @5% (of net rate-inclusive GST) and yearly escalation of 5% on last year's CMC price. The CMC may be awarded for five years (on yearly basis) after completion guarantee period of three year.
- 20) Demonstration of the equipment should be required.

Revised Technical Specifications for Portable Spirometer :-

Instrument should measure

- Spirometry & Flow Volume Parameters,
- Maximum Ventilation Volume,
- Lung Volumes & Sub-divisions,
- Pre & Post Bronchodilator comparison,
- Real Time Flow Volume and Volume Traces on inbuilt Screen.

Required Features:

- 1) Incorporates Precision Pneumotachograph.
- 2) Should meet Criteria of ATS Standards/ERS Standard:-
 - (i) Minimum Flow Range: + 0-14 L/Sec (Linear)
 - (ii) Resistance: 0.5 cm H₂O/L/Sec.
 - (iii) Accuracy = Error less than 3%
- 3) Parameters should be measured with **highest** accuracy & reproducibility and accuracy not effected with - Humidity, Moisture & Water droplets.
- 4) Should incorporate Electronic Barometer & Temperature Sensors, for Automatic BTPS Correction.
- 5) Overlaying of previous test curves for comparison.
- 6) Capability to select and modify predicted equations.
- 7) Facility to interface for desktop/ Laptop computer.
- 8) Should have inbuilt thermal printer.
- 9) Should be supplied with computer interfacing package, Cables, Software, 2/3 Litre Calibration Syringe as per requirement of the instrument & Standard accessories, Manual and a Strong Carrying Case.
- 10) Additional Accessories: Pneumotach Screens (05 Nos), Pulmonary Filters (50 Nos), Disposable Mouthpieces (500 Nos) and nose clip.
- 11) Battery backup of more than 2 hours.
- 12) Instrument should conform to and certified by European CE/USFDA.
- 13) Equipment shall be ISO 26782:2009 certified.
- 14) Three years Guaranty to be given with the equipment.
- 15) CMC will be given @5% (of net rate-inclusive GST) and yearly escalation of 5% on last year's CMC price. The CMC may be awarded for five years (on yearly basis) after completion guarantee period of three year.
- 16) Demonstration of the equipment should be required.

Note:- Please note that all above amendments/corrigendum in technical specifications/bid conditions is the integral part of (Section-V, Schedule of Supply, and Point no. 3) and the bid document. This corrigendum/ addendum should be signed and annexed with bid document. All other terms & conditions remains the same.

This bears an approval of Managing Director, Rajasthan Medical Services Corporation Limited, Jaipur.


Executive Director (EPM)
RMSCL, Jaipur