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F-8(211) RMSC/EPM/M-3/16-17/NIB-215/

878

Dated: 7-3-17

CLARIFICATION/CORRIGENDUM/ADDENDUM

Sub:- Revised Technical Specifications and Bid Extended date of item Single, 3 and 6 Channel ECG Machine under NIB No. F-8(211) RMSC/ EPM/M-3/16-17/NIB-215/428 dated 1.2.2017

In Reference to subject cited above and NIB-215, the various representations received from the firms and issues raised by the Bidders are examined by the competent Authorities and technical committee. The following Clarification/Corrigendum/Addendum is issued for inclusion in Bid document & Technical Specification of items as below:-

Technical Specification for Single Channel ECG Machine

(Fully automatic, microprocessor controlled, Single-channel resting electrocardiograph, mains and battery operated)

Standard unit including :


1. 12 lead simultaneous ECG data acquisition
2. High-resolution built-in thermal printer
3. Sensitivity : 2.5, 5, 10, 20 mm/mV
4. Should have Membrane keypad for operating
5. Printout on 50 mm or more Z fold paper or roll type paper
6. Battery should last minimum up to 200 recordings
7. ECG measurements, Copy Function
8. Auto & Manual Mode
9. Printing Mode: Auto simultaneous acquisition, with parameter calculation and Manual Real Time Should be supplied with USB & Software for storage of ECG on Computer. Equipment should be CE approved.
10. Guarantee: Three years on equipment & minimum 06 months on Consumables.
11. CMC: CMC shall be given @ 5 % of net rate (inclusive of Excise Duty & exclusive of VAT/CST etc.) plus service tax (as applicable) and yearly escalation of 5 % on last year's CMC price. The CMC may be awarded for five years (on yearly basis) after Guarantee period of three years.
12. Equipment should be supplied with compatible standard paper rolls (quantity 10 nos.), additional Clamp Electrodes (1 set), Chest Electrodes (1 set.), ECG Jelly (250 ml X 2 bottles), Earth Cable-1, ECG Cables-1, Power Cable-1, Guarantee Card & Operating Manual.
13. Consumable: Battery, Lead Set, Chest Electrodes, Limb Electrodes, ECG Jelly and ECG Paper. Rates of Battery, Lead Set, Chest Electrodes and Limb Electrodes should be provided by bidder in BOQ (BF-IV).
14. The rates of consumables and spare parts should be provided and that will be freezed for minimum three years.
15. The machine should be supplied with a good quality carry bag to carry ECG.
16. Details of Service Network of Firm in Rajasthan.

17. The company should mention the model name/number and submit the technical brochure of the quoted model in the Technical Bid.

Technical Specification for 3 Channel ECG Machine

1. **3 channel ECG Machine with LCD display, Size 4" or more.**
2. Automatic, Manual Recording Modes.
3. Soft touch key Board.
4. Paper size: 60 mm and more.
5. Mains and Rechargeable battery operated.
6. Inbuilt Rechargeable battery for at least 2 hours.
7. Portable, lightweight < 3 kg.
8. Measurement facility with interpretation.
9. Memory for 25 ECG or more.
10. Automatic Lead Marking, Thermal printing.
11. Recording Sensitivity: 2.5, 5, 10, 20 mm/mV.
12. Defibrillation Protection: Internal.
13. Frequency response: 0.05-150 Hz.
14. Filters: Mains and Muscle interference.
15. Safety standards : Class II, type CF.
16. CE (European) or USFDA approved.
17. Guarantee 3 years on equipment from the date of installation & minimum 06 months on Consumables.
18. CMC: CMC shall be given @ 5% of net rate (inclusive of Excise Duty & exclusive of VAT/CST etc.) plus service tax (as applicable) and yearly escalation of 5% on last year's CMC price. The CMC may be awarded for five years (on yearly basis) after Guarantee period of three years.
19. Equipment should be supplied with compatible standard paper rolls (quantity 10 nos.), additional Clamp Electrodes (1 set), Chest Electrodes (1 set), ECG Jelly (250 ml X 2 bottles), ECG Cables (1 set) , Power Cable (1 set) Earth Cable-1, Guarantee Card & Operating Manual.
20. Consumable: Battery, Lead Set, Chest Electrodes, Limb Electrodes, ECG Jelly an ECG Paper, Rates of Battery, Lead Set, Chest Electrodes and Limb Electrodes should be provided by bidder in BOQ (BF-IV).
21. The rates of consumables and spare parts should be provided and that will be freezed for minimum three years.
22. The machine should be supplied with a good quality carry bag to carry ECG Machine.
23. Detail of Service Network of Firm in Rajasthan.
24. The Company should mention the model name/number and submit the technical brochure of the quoted model in the Technical Bid.

Technical Specification for 6 Channel ECG Machine

1. Real Time 6 Channel ECG Machine.
 2. Simultaneous 12 Lead real time display of ECG on LCD Display of minimum 4".
 3. Automatic, Manual and preprogrammed recording modes.
 4. QWERTY Full Alpha Numeric Key Board or Touch Screen Keyboard.
 5. Paper Size: 100 mm or more.
 6. Mains & Rechargeable Battery operated.
 7. Inbuilt rechargeable Battery at least for 100 recordings.
 8. Portable, lightweight < 4 Kg.
 9. Measurement & Interpretation Software.
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10. PC interface with required cable & software.
11. Automatic Lead Marking and Time and Date Indication.
12. Memory of 25 ECG or more.
13. Recording Sensitivity: 5, 10, 20 mm/mV.
14. Paper Speed: 25, 50
15. Defibrillation Protection: Internal.
16. Frequency Response: 0.05-150 Hz.
17. Acquisition: 1000 samples/second/channel.
18. Filters: Mains & Muscle Interference.
19. CE (European) or USFDA approved equipment and supplier/manufacturer should be ISO 9001 certified.
20. Guarantee: Two years on equipment & minimum 06 months on Consumables.
21. CMC: CMC shall be given @ 5 % of net rate (inclusive of Excise Duty & exclusive of VAT/CST etc.) plus service tax (as applicable) and yearly escalation of 5 % on last year's CMC price. The CMC may be awarded for five years (on yearly basis) after Guarantee period of two years.
22. Equipment should be supplied with compatible standard paper rolls (quantity 10 nos.), additional Clamp Electrodes (04 nos.), Chest Electrodes (06 nos.), ECG Cables-1, Power Cable-1 & ECG Jelly (250 ml X 2 bottles)
23. Consumable: Battery, Lead Set, Chest Electrodes, Limb Electrodes, ECG Jelly and ECG Paper. Rates of Battery, Lead Set, Chest Electrodes and Limb Electrodes should be provided by bidder in BOQ (Annexure-D).
24. The rates of consumables and spare parts should be provided and that will be freezed for minimum two years.
25. The machine should be supplied with a good quality carry bag to carry ECG Machine.
26. Detail of Service Network in Rajasthan.
27. The company should mention the model name/number and submit the technical brochure of the quoted model in the Technical Bid.

In Reference to above sited subject and NIB-215, the last date for sale of bid, receipt of bid and date of opening of technical bid hereby extended as below:-

Extended dates		
Last Date for Sale of Bid Form	Last Date of Receipt of Bid Form	Date of Opening of Technical Bid
23-03-2017	23-03-2017	23-03-2017
11:00 AM	01:00 PM	03:00 PM

Please note that all clarification/amendment/corrigendum in technical specifications/bid conditions is the integral part of the bid document. This corrigendum/ addendum should be signed and annexed with bid document.

All other terms & conditions remains the same.

This bears the approval of M.D., RMSCL, Jaipur.

202

Executive Director (EPM)
RMSCL, Jaipur