



अखिल भारतीय आयुर्विज्ञान संस्थान, रायपुर (छत्तीसगढ़)
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AIIMS/R/CS/Pul_Med/18/006/

Date: -13/10/2018

Inviting Quotations for Purchase of “**12 Channel ECG Machine with 7 Inch Colour TFT-LCD display, full qwerty keypad, recording paper 210 mm width battery backup**” for Department of Pulmonary Medicine at AIIMS Raipur.

QUOTATION NOTICE

Sealed quotations are invited from intending registered Stockist / Distributors having GST and relevant documents for Purchase of “**12 Channel ECG Machine with 7 Inch Colour TFT-LCD display, full qwerty keypad, recording paper 210 mm width battery backup**” for Department of Pulmonary Medicine at AIIMS Raipur. The quotation with copy of certificate of GST & other documents should be submitted to office of **Stores Officer (Central), Medical College building, Gate No-05** up to 22/10/2018 before 03:00 pm. The quotations will be opened on the same day at 03:30pm. Details of item are given as under:-

S. No.	सामग्री का विवरण Item Description	आव. मात्रा Qty Req	एच एस एन कोड HSN Code	ब्रांड / मेक Brand / Make	बेसिक इकाई दर रु में Unit Basic Rate in Rs.	जीएस टी % और रु. GST % & Rs.	कुल मूल्य रु. में Total Amount in Rs.
1	12 Channel ECG Machine with 7 Inch Colour TFT-LCD display, full qwerty keypad, recording paper 210mm width battery backup.: (Detail Specification as per Annexure-I)	One Set					
कुल / Total -							

नियम एवं शर्तें / Term & Conditions :-

1. Rate should be mentioned in words & figure both.
2. Taxes, if any (should be clearly mention in words & figure).
3. Delivery Schedule – within 15 days from the date of issue of PO.
4. Price should be FOR Destination basis. (i.e. Dept. of Pulmonary Medicine , AIIMS Raipur).
5. LD @ 0.5% of delayed supply per week or part of week for delay of supply of material subject to maximum up to 10%.After expiry of delivery Period material cannot be accepted without the extension of delivery period.
6. Quotation No/Name and Due date of opening must be written on top of envelop.
7. No any additional documents related to this NIQ will be entertained after opening of NIQ.
8. GST rates applicable on your quoted item may please be confirmed.HSN code for each item shown be clearly mentioned.

9. Please confirm if there any change (Upward/Reduction) in your Basic Price structure. And you are also requested to pass the Input Credit as per the following Anti Profitering Clause of GST.
- “Upon Implementation of GST, any reduction in the rate of tax on supply of goods or service or the benefit of input tax credit shall be passed on to AIIMS Raipur by way of commensurate reduction in the prices”**
10. In the event of increase in price, detailed justification and supporting evidence may be submitted.
11. The GST registration details may please be furnished.
12. 100% payment against receipt and acceptance of material.
13. Brand, Make & warranty should be clearly mentioned in offer as well as tender/quotation specific authorization may be submit with the offer/bid.
14. AIIMS Raipur reserves the right to place the order for full or part quantity to one or more firm.
15. Validity of offer should not be less than 90 days.
16. The Quantity of above column is totally tentative. It can be increased or decreased at the time of placement of order.
17. RTGS details required for payment purpose.
18. No part supply or part payment will be entertained.
19. Supply, installation & commissioning will be done by Firm.(if applicable)
20. The supplier shall not claim any interest on payment in any circumstances.
21. Where there is a statutory requirement for tax deduction at source, such deduction towards income tax and other tax as applicable will be made from the bills payable to the supplier rates as notified from time to time.
22. No payment shall be made for rejected stores. Rejected equipment's must be removed by the supplier within two weeks of the date of issue of rejection advice at their own cost & replace immediately. In case these are not removed these will be auctioned at the risk and responsibility of the suppliers without notice.

(सुशील सोनबेर)
भंडार अधिकारी
अ.भा.आ.सं.- रायपुर (छ.ग.)

ANEXURE-I

Specifications for 12 Channel ECG Machine with 7 Inch Colour TFT- LCD display, full qwerty keypad, recording paper 210mm width battery backup:

ECG Machine is primary equipment to record ECG Signal in various configurations. 12 Channel with interpretation is required for recording and analyzing the waveforms with special software.

1. Operational Requirements

- a. The ECG Machine should be able to acquire all 12 Leads simultaneously and interpret them.
- b. Should be easily portable & should be provided with Handle.

2. Technical Specification

- a. Should acquire simultaneous 12 lead ECG for both adult and pediatric patients.
- b. Should be upgradeable to 18 lead ECG.
- c. Should have Real time Color LCD display of ECG waveforms
- d. **Sensitivity:** 10 mm/mV $\pm 2\%$,
- e. **Common mode rejection ratio:** ≥ 100 dB,
- f. **Frequency response:** 0.05 Hz to 150 Hz ,
- g. **Electrode check:** Every electrode except N(RF),
- h. **Waveform status detection:** Electrode detachment
 1. Should have Artifact, Hum, Drift & EMG suppression Filters.
 2. Should have an inbuilt storage memory of at least 400 ECGs with easy transfer by optional data card.
 3. Should display all 12 lead waveforms on the screen for quality assessment checks prior to print.
 4. Should have interpretation facility of the amplitudes, durations and morphologies of ECG waveforms and associated rhythm for adult and pediatric patients. (Approx, 200 Clinical Findings and 5 Judgemental categories)
- i. **Analysis sampling rate:** 500 samples/s ,
- j. **Acquisition sampling rate:** 8000 samples/s
 1. Should have facility of 1 minute cascaded ECG recording & rhythm recording for 1 or 3 ch
 2. Should have auto extended recording when arrhythmia is detected
 3. Should have alphanumeric Keyboard for patient ID Entry (virtual or hard keys)
 4. Should have High resolution 210 mm size printer using thermal sensitive paper.
 5. Should have battery capacity of at least 30 minutes of continuous rhythm recording on single charge.
- k. **Recording data:** Program type, version, date and time, paper speed, sensitivity, lead name, filter, hospital name, patient information (ID number, name, sex, age), timing mark, event mark, electrode detachment, Noise.
 - a. Display: Color LCD/TFT adjustable Screen of 7" size.
 - b. Weight – approx 2.5Kg
 - c. Easy data transfer by wired & Wireless LAN(option)
 - d. Wired/Wireless connectivity to Network printer
 - e. ECG Viewer Software- Option
 - f. Bar code reader – Option
 - g. DICOM Compatibility- Option
 - h. Upgradeability- To 18 Lead ECG

3. System Configuration Accessories, spares and consumables

- a. ECG Machine with Interpretation facility-01
- b. 12 Lead Patient Cable-01
- c. Chest Electrodes Adult-(set of six) -01 sets.
- d. Chest Electrodes Pediatric-(set of six) -01 sets
- e. Thermal Paper 210 mm Size 5 rolls

4. **Environmental factors** : Shall meet IEC-60601-2-51-“Essential performance of recording and analyzing single channel and multichannel electrocardiographs”
5. **Protection against electric shock, Defibrillator & Harmful ingress of water.**
6. **Power supply**
 - a. Power input to be 220-240VAC, 50Hz fitted with Indian pit
 - b. Should be FDA or CE approved product
 - c. Electrical safety conforms to standards for electrical safety IEC-60601-1 General Requirements and IEC-60601-2-25 Safety of Electrocardiograms.
7. **Documentation:** User manual in English
8. **Warranty:** 01 Year.

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