

# Invitation of Quotation

For

ECG Machine & Air Mattress

At

All India Institute of Medical Sciences, Rishikesh

Issue Date : 18 May 2018,  
Inquiry No. : F.No.32/512/2018(RIS)  
Last Date of Submission : 24 May, 2018 at 05:00 PM.



**All India Institute of Medical Sciences, Rishikesh**

Virbhadrā Road, Rishikesh, Uttarakhand-249203.

Telephone: 0135-2462913 , Website : [www.aiimsrishikesh.edu.in](http://www.aiimsrishikesh.edu.in)

## Invitation of Quotation for Dept. of Pulmonary Medicine.

Sealed Quotations are hereby invited by the undersigned on behalf of the Director, AIIMS Rishikesh for supply of Items for the Institute as per terms & conditions mentioned below. The filled quotations along with all the required document must reach in the office of the undersigned on or before 24.05.2018, 05.00 PM. The Envelope containing the quotation would please be sealed and super scribed as under:-

### “ QUOTATION For Department of Pulmonary Medicine.

FILE NO. 32/512/2018(RIS) DUE ON 24.05.2018, 05.00 PM”

#### 1. Terms & Conditions:

- A) The quotations received after this deadline & unsealed shall not be entertained under any circumstances whatsoever. In case of postal delay this Institute will not be responsible.
- B) Quotations must be in the enclosed prescribed Performa on the letter head of the firm duly signed by the Proprietor/ Partner/ Director or their authorized representative, In case of signing of quotation by the authorized representative letter of authorization must be attached with the quotation.
- C) Rates must be quoted as per the format specified Taxes extra if any must be written separately. The limit of file is under 2.5 Lakh.
- D) No overwriting or cutting is permitted in the rate. If found, the quotation shall be summarily rejected.
- E) The rates quoted must be valid for 60 days minimum from the date of opening of the quotation and silence of any tendered on this issue shall be treated as agreed with this condition.
- F) Becoming L1 will not be the criteria for awarding of purchase order unless the rates are reasonable & justified.  
**L1 will be decided on individual item basis.**
- G) RTGS/NEFT details need to be furnished by the supplier with the quotation on the letter head of supplier/firm/agency.
- H) The firm/agency may satisfy the following conditions and attach self-attested copy of the same with the quotation:
  - Firm shall be registered with the Government of Uttarakhand/Central Govt.
  - **The firm shall have valid GST and IT PAN.**
  - **The firm should not be black listed by any Govt. Agency/Dept.**
- I) Quotations qualified by such vague and indefinite expressions such as “subject to prior confirmation”, “subject to immediate acceptance” etc. will be treated as vague offers and rejected accordingly. Any conditional quotation shall be rejected summarily.

- J) The supplier may be asked to submit a sample of the product(s), which will be evaluated by a technical evaluation committee. The expenditure incurred for demonstrating the items will be borne by the supplier.
- K) **Delivery Period** – 15 days from issuing purchase order.
- L) **Liquidated Damage:** - If the supplier fails to deliver the material on or before the stipulated date, then a penalty at the rate of 0.5 % per week of the total order value shall be levied subject to maximum of 10% of the total order value.
- M) **Payment Terms:** Payment will be made only after satisfactorily delivery, commissioning and inspection of material by the AIIMS Rishikesh.
- N) **Disputes:** -In the event of any dispute or disagreement arising between the Supplier and any other department of AIIMS Rishikesh with regards to the interpretation of “Terms & Conditions” of this inquiry, the same shall be referred to the Director, AIIMS Rishikesh whose decision will be final and binding upon the Supplier.
- O) AIIMS, Rishikesh reserves the right to increase or decrease quantity and / or amount of work. Decision of Quantity of material in the AIIMS, Rishikesh will be final in this regard.
- P) AIIMS, Rishikesh reserves the right to reject any quotation or part or the whole of inviting quotation process without assigning any reason. Decision of the AIIMS, Rishikesh will be final in this regard.

**Administrative Officer**

Encl.: Annexure 1 (Format of Price Bid)

[On the letterhead of firm]

**ANNEXURE - I**  
**PRICE BIDFORM**

To,  
Administrative Officer, AIIMS,  
Rishikesh.

Dear Sir,

1. I/We ..... Submitted the quotation for Enquiry No. "QUOTATION FOR Pulmonary Medicine AGAINST THE INQUIRY NO. FILE NO. 32/512/2018(RIS)" DUE ON 24.05.2018, 05.00 PM for Supply of following items at AIIMS Rishikesh".
2. I/We thoroughly examined, understood and accepted terms & conditions given in the enquiry document, failing which my quotation will be rejected out rightly.
3. I/We hereby offer to supply at the following rates.

S. No	Items	Make	Qty.	GST	Unit Price	Total Price
1.	ECG Machine 12 Lead		01			
2.	Air Mattress		10			

Date \_\_\_\_\_

Place \_\_\_\_\_

Signature of Authorized Person) :- \_\_\_\_\_

(Name) \_\_\_\_\_

Name of Firm/Company/Agency \_\_\_\_\_

Phone No. \_\_\_\_\_

Email: \_\_\_\_\_

## Technical Specification of ECG Machine

1. 8" Real timed colour LCD Display with touch screen of ECG tracings.
2. Power supply  
AC : 100 -240V,50/60 Hz  
DC : 14.8V,3700 mAh rechargeable lithium battery
3. Input way: Floating and defibrillation protection
4. Lead: Standard 12 leads
5. Should have an in – built printer that prints on unfolded A-4 size thermal paper .
6. Should have been tested and approved by US FDA/ European CE.
7. Should confirm to all applicable electrical safety standard.
8. Patient leak current: <10pA
9. Input impedance:>50Mo
10. Frequency response:0.05Hz-150Hz[-3dB-0.4dB]
11. Time Constant: Time>3.2s
12. CMRR:>60dB,>100dB (add filter)
13. EMG interference filter:35Hz[-3dB]
14. Receding: Auto, Manual and Rhythm
15. Recording way: Thermal printing system
16. Paper Speed:  
\*\*Auto record:25mm/5, error + 5%  
[Record setup according to auto record format and mode, automatically measuring and analyzing]  
\*\* Manual record: 5mm/5, 6.25mm/5, 10mm/5, 12.5mm/5,25mm/5, 50mm/5, error +5%  
[Record setup according to auto record format and mode, manual changing leads]  
\*\*Rhythm Record :25mm/5, 50mm/5, error+5% [Record setup according to auto record format and mode, automatically measuring and analyzing]
17. Sensitivity choice: 5,10,20,40 mm/mV, {error: +5%}
18. Standard sensitivity is 10 mm/mV+0.2%
19. AC/DC operated with rechargeable lithium battery
20. Battery backup 90minutes continuous printing Up to 4 hour in standby mode
21. Display 3/6/12 leads ECG waveform and can remarks the lead sing , sensitively and filter state .
22. Data interpretation
23. Storage capacity upto to 1000 of patient's data more convenient for data review & statistics
24. Portable ,light weight and sturdy look
25. Modes of printing : Automatic/manual

Printing Modes

डॉ० गिरिश सिंघवानी  
आचार्य एवं विधिशास्त्र  
पल्मोनरी मेडिसिन विभाग

- 12\*1
- 6\*2+1
- 6\*2
- Rhythm row 12, raw 10, row 6 etc with multiple formats
- Measurement parameter: HR, P-R interval P Duration, QRS Duration, T- Duration, Q=T interval, Q-Tc, P Axis, T- Axis, R (V5) , S ( V1) , R (V1)
- Product safety type: Class CF Applied part, with defibrillation and pacing protection circuit in it
- Enduring polarization voilage:  $\pm 15\text{pVp-p}$
- Machine size: 334 (L) x320 (W) x 85(H) mm
- Machine net weight: 2.25 kg
- Optional: PC interface software via RS 232 interface / USB / Ethernet and software.

26. Each unit should be supplied with the following accessories:

- a. Two (2) sets of patients cables with 6 chest electrodes and 4 limb electrodes for adult .
- b. Two (2) sets of patients cables with 6 chest electrodes and 4 limb electrodes for pedantic & infants .
- c. High quality A4 size (Unfolded) Thermal paper compatible with this ECG machine for recording 10000 ( Ten Thousand) ECGs.
- d. A portable lightweight slim External hard drive of 1 TB capacity of reputed company (eg. Seagate, WD passport, Kingston, etc.) along with machine for storage of ECGs.

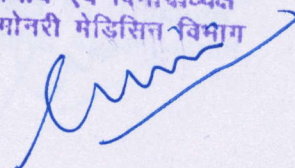
27. Should have three years on site comprehensive warranty for all components excluding the accessories and consumables.

28. Annual maintenance contract (AMC) for 5 years (5years; effective from the 4<sup>th</sup> years of installation) Should also be quoted separately.

29. Should be supplied with the suitable compatible trolley with following specifications

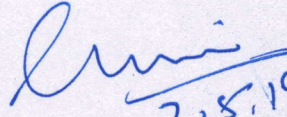
- a. Trolley should have made of stainless steel/ powder coated frame with SS 304 grade top.
- b. Should be a 3- shelves (including the top) cart for storing the accessories and consumables.
- c. Should have 4 superior castors (two with brakes)
- d. Trolley should have at least 30' inch height and the self should have sufficient space for storing the accessories.
- e. Top shelves shall be surrounded by railing.
- f. Trolley should have a suitable cable arm firmly affixed having holder for ECG cables while not in use.

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पल्मोनरी मेडिसिन विभाग



QRS/ SPECIFICATION OF ELECTRIC OPERATED AIR MATTRESS

AIR MATTRESS ELECTRIC OPERATED
<b>For air mattress with pump:</b>
<b>Specification</b>
• Air cells inflate & deflate in alternating cycles to provide pressure relief.
• The air supply unit attaches easily to the footboard of virtually any bedframe.
• Rounded corners designed for safety.
• Super quiet.
• Low energy consumption.
• Bubble type disposable pad
• High grade non-toxic PVC
• Non scent and convenient
• Repair kit included.
Noise level Silent
Voltage (Power Supply) 100 V / 60 Hz, 220 V / 50 Hz.
Power consumption 5 -10 nwatts
Air flow rate 5 L/Min Max
Pressure 130 mm Hg Max
Cycle time approx 10 minuetes

  
7.5.18

डॉ० गिरीश सिंधवानी  
Dr. Girish Sindhwani  
आचार्य एवं विभागाध्यक्ष, पल्मोनरी मेडिसिन  
Professor & Head of Pulmonary Medicine  
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