

**EMS MEMORIAL CO-OPERATIVE HOSPITAL & RESEARCH CENTRE
PERINTALMANNA**

QUOTATION NOTICE FOR PURCHASE OF MEDICAL EQUIPMENT

EMCH / QTN / GEN / 09 / 2026

4th August 2026

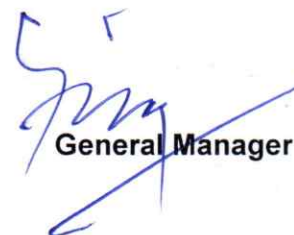
Sealed quotations are invited from reputed manufactures / authorised supplies / dealers for the supply & installation of Echocardiography Machine, OT Table for Emergency Department & Full Body Composition Analyser for Diabetic Clinic.

Technical specifications of the equipment can be obtained from www.emshospital.org.in/about/tender

Quotations should be in Two sealed covers

- First cover super scribed "Technical cover " should include technical specifications, list of installations authorization for the supply, safety certificates etc.
- Second cover super scribed " Commercial cover " should include commercial terms such as Price, Warranty items, tax if any, AMC / CMC details for next 5 years, cost of consumable / spare parts / consumable regularly required etc.
- Technical quotation will be scrutinized by a technical committee.
- Technically qualified quotations will only be considered for opening of Commercial quotations.
- The quotationers should submit their authorization for supply of the quoted items from the Manufacture.

Sealed quotations addressed to The General Manager, EMS Memorial Co-operative Hospital, Perinthalmanna should reach the Administrative Office of the hospital on or before **19th August 2026**


General Manager



ECHOCARDIOGRAPHY MACHINE

MAKE : Please specify
Model : Please specify
Manufacturing country: Please specify
Year of Launch : Please specify

1. Should quote only the latest and most technologically advanced system with minimum 20 lakh channel please specify the number of channels :
2. Should be supplied with software for Pre & post-analysis.
3. Future upgradability through software
4. Should have post-processing capabilities for gain, B mode, sweep speed etc
5. Should have multiple lines acquisition with rapid frame rates of more than 2800 frames/second.
6. Coded/pulse harmonic imaging should be possible
7. Digital beam former technology with high definition imaging
8. There should be a broad-angle at least 90 degrees.
9. Should have an ergonomic design with one or 2 touch control panel
10. At least 22-inch flat-panel type LCD/LED monitor with tilt, swivel & float options
11. The system should be capable of the following imaging and operating modes
 - a. Real time anatomical m Mode and
 - b. Dual focal zones should be available
 - c. White zoom-on line & offline
 - d. Read zoom online and offline
 - e. 2D, M Mode, color M Mode
 - f. Color flow Doppler imaging
 - g. Fully steerable pulsed Doppler
 - h. Fully steerable continuous wave Doppler
 - i. Tissue Doppler with high frame rates
 - j. Digital cine replay of all imaging and Doppler with measurements and calculations
 - k. Full measurement and analysis capability
 - l. Digital image storage and patient archive with true scanner frame rates

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12. The system should be able to

- a. Trace, calculate and display the perimeter of a displayed structure, with incremental erasing of perimeter trace
- b. Trace, calculate, and display the area of a displayed structure

II ESSENTIAL ACCESSORIES

- a. Phased Array Probe (Adult) with smallest footprint and Bandwidth 1.5 – 4 Mhz with Field Of View at least 90 Degree or better
- b. Phased Array(PEDIATRIC) Probe With smallest footprint and Bandwidth 3-6 Mhz with Field Of View at least 90 Degree or better

III IMAGE MANAGEMENT

1. The system should be able to store patient images, loops in the hard disk drive of 500 GB or more
2. The system should have an inbuilt CD/DVD writer and USB port

IV TECHNICAL SUPPORT

1. Operating manual
2. Power supply 230+-15%, 50Hz.

Standard Warranty: 2 years

AMC and CMC rates after warranty period should be quoted in price bid for next 8 years.

- The plat form should be able to accommodate all the up gradations required later (as when required) to add on more and more special features with no additional cost
- The Equipment should be the state of the art design, incorporate all the latest facilities and modern concepts the Model quoted must be latest and most advanced and spare and service must be available for at least 10 years which means company will be responsible for maintaining the equipment all 10 years in full working conditions at least 95 % Up time
- In case of failure of Equipment/Accessories/ Instruments , standby arrangements must be provided within 48 Hours .
- Necessary trainings should be provided for doctors, user department staff at free of cost



OT TABLE for Emergency Department

1. Hydraulic & Manual operated
2. Leg & Head sections should be interchangeable
3. Detachable head, leg & pelvic section
4. Top dimension 1900mm x 520mm or equivalent
5. Trendelburg & R-Trendelburg 30/25⁰ or equivalent
6. Lateral tilt 20/20⁰ or equivalent
7. Leg rest up & down 15/90⁰ or equivalent
8. Head rest up & down 20/60⁰ or equivalent
9. Patient weight capacity - 250 kg
10. Standard warranty : 2 Years



FULLY BODY COMPOSITION ANALYZER

1. Whole body & segmental Body Composition Analyzer measurement (arms, legs, truck).
2. Weight of subject up to 270 kg or more.
3. Height range 100 – 200 cm (or better).
4. Body Composition Analyzer should tetra-polar electrode method using 8 point touch electrode for measurement.
5. Body Composition Alalyzer should use simultaneous Multiple frequencies for accurate measurements, Shows high correlation with DEXA equipment (Lean body mass $R^2+0.9532$) .
6. Test subject age 14 - 99 years old. +
7. Atleast six multiple frequencies should be used for measurement between (1khz, 5khz, 50khz, 250khz, 500khz & 1000khz).
8. Measurement time 60 seconds or less.
9. Whole body analysis.
 - a. Should give Analysis of LA, RA, TR, LL, RL for Leanmass, Fatmass, Extra cellular, water ratio, Impedance with six frequencies separately.
 - b. Should give BMI, BMR, Biologicalage, Bodywater Analysis_(ICW, ECW & ECW ratio & BCM_Bodycell mass).
 - c. Should give segmental Extracellular water ratio for RA, LA Trunk, LL & RL.
 - d. Should provide visceral fat Level & visceral fat area.
10. Segmental Analysis for RA, LA, TR, RL & LL.
11. Body Balance Assessment for upper & lower body.
12. Should provide Impedance of 6 frequencies, Phase Angle & Blood pressure analysis in case BP monitors attached (optional).
13. Inbuilt data storage capacity for 1 lakh clients or more.
14. Should USB ports, RS-232C ports.Wi-Fi (optional), Bluetooth available of external port extension (optional).
15. Should have 8.4 inch or more, color LCD touch screen with voice command.
16. Compatible B&W laser printer should be provided along the machine.
17. Must have Artificial Intelligent system.

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18. Product Dimension : Main Unit 496 x 820 x 1150 mm (W x D x H), Standing Platform size : 19" x 20".
19. Must Scan the QR code on LCD & result sheet with your smart phone all results transmitted to the website. Can see the result whenever we want.
20. Own App software data management system for unlimited data storage with email result sheet feature.
21. Latest version of computer PC all in one i.e, inbuilt CPU with atleast 19" LCD monitor with atleast 8 GB RAM, 1 TB Hard disc, with genuine Windows 7/8 (not pirated) & original Microsoft Office (not pirated) & DVD R/W & atleast 4 USB port (minimum 2 USB 3.0 port) : 01.
22. The unit should be CE & FDA/BIS approved.

WARRANTY :

- Quotation should be with 5-years comprehensive warranty & another five years of CAMC. (including all spares, batteries, circuit, labor & other accessories.)
- The cost of additional accessories should be quoted in the price bid
- Price of the all spares / accessories required for maintenance of the equipment should be quoted along with the price bid. If the firm fails to provide price of any part / accessories in the price bid the same will be provide free of cost by the company if required.
- Company will be responsible to maintain equipment & accessories in working of the equipment / accessories. Company will replace all the required parts / spares / accessories, labor / service during WARRANTY / CAMC period without any extra charges / taxes (Including & not limited to physical damage.) .
- In case of any breakdown, fault, repair should be undertaken within 48 hours of receipt of such information. Failure to do so shall make the company liable for a penalty of Rs.1000/- per day.

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COMMON TERMS & CONDITIONS

The Models quoted must be latest and most advanced and spare and service must be available for at least 10 years which means company will be responsible for maintaining the equipment all 10 years in full working conditions at least 95 % Up time.

- AMC and CAMC Rate should be quoted in price bid for 8 years
- Standard warranty: 2 years
- In case of failure of Equipment , standby arrangements must be provided within 48 Hours .
- Should have safety certificate from a competent authority CE issued by a notified body registered in the European commission / FDA (US)/ STQC CB Certificate/ STQC S Certificate or valid detailed electrical and functional safety test report from ERTL. Copy of the certificate/ test report shall be produced along with the technical bid.

Please attach a copy of

- CE & FDA certificate if any
- Compliance statement with technical specification
- Product datasheet
- Details of service division
- Sales authorization letter from Manufacturer.
- Details of installations
- Company representative should counter sign the purchase order confirming the terms and conditions in the purchase order.

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