

**TENDER FOR SUPPLY, ERECTION & COMMISSIONING OF  
OPERATION THEATRE CONTROL PANEL**

**EMS Co.Operative Hospital**

**Pathanapuram PO, Kollam – 689695, Kerala, India**  
**[www.emshospital.org](http://www.emshospital.org)**

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**Bid document for “Tender for supply, erection & commissioning of operation theatre control panels to EMS Hospital, Pathanapuram**

Sealed tenders are invited by the Secretary, EMS Hospital, Pathanapuram for supply, erection & commissioning of operation theatre control panels to EMS Hospital, Pathanapuram

**Eligibility:**

- Contractors who have sufficient experience of having successfully carried out similar works in Government Offices/Residential buildings/Office buildings/Pvt. buildings during the last three years are eligible to participate in the bidding.
- The EMS HOSPITAL reserves the right to verify the proof of having experience and expertise of the bidder in executing similar works and the bidder has to produce the proof thereof.

**Submission of bid:**

The tender document can be obtained in person from the below mentioned address from 10.00 am to 5.00 pm on all working days:

**“EMS Co. Operative Hospital  
Pathanapuram PO, Kollam – 689695 “**

Cost of the Tender document – Rs.500+GST to be payable by way of DD in favor of **“EMS Co Operative Hospital”** payable at Kollam

Alternatively, the tender document can be downloaded from the website [www.nshospital.org](http://www.nshospital.org). The downloaded tender document is to be submitted along with the tender fees of Rs.500 +GST as mentioned above. The tenders submitted without the tender fees shall be rejected. The bid along with the EMS HOSPITAL's terms and condition duly signed is to be submitted in a sealed envelope superscribing the envelope “Bid for supply, erection & commissioning of sliding doors for operation theatres of EMS Hospital, Pathanapuram.

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**The Tenderer should submit the following along with the bid**

- List of similar works completed during the last three years in any Government\_organization or private company
- Registration of VAT and Service Tax
- Copy of PAN Number
- If the bid is from an authorized dealer/ distributor of any manufacturer, the dealer or distributor shall submit a valid proof for authorized dealership/distributorship.
- Satisfactory completion certificate from the organization where the tenderer has successfully completed similar projects within last 3 years.
- Earnest Money Deposit (EMD) amount of Rs.15000/- by way of Demand Draft drawn in\_favor of “EMS Co Operative Hospital” payable at Kollam.

**Last date for submission:**

The last date for receipt of the bid at our office is ..... The bid submitted beyond the above date and time shall not be considered for the bidding and shall be rejected.

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**Specification for the Tender for supply, erection & commissioning of operation theatre control panels to EMS Hospital,Pathanapuram**

SL NO	ITEM DETAIL	QTY REQUIRED	MAKE	UNIT RATE	TOTAL INCLUDING GST
1	Providing Fixing and commissioning of Operation Theatre Control Panel (9 tile) compiling HTM 2020 / 2021 standards, with Distribution board complete with all accessories etc	1 Nos	Digiline/ Bio-X /Amensco/Equivalent		

The Operation Theatre Control Panel shall meet requirement of HTM 2020/2021 for Electrical Safety codes for High & Low voltage system, wired to the current IEE regulations & BS7971 and EC-Conformity Declaration CE, HTM 2022:1997 for Medical Gas Pipe Line System.

The theatre Control Panel shall be designed to cope with changing technology and equipment in operating environments. Control panel shall be user friendly and ease of operating and maintenance purpose.

The panel shall be "Tiled Membrane" type, can be configured to incorporate all the services that Operation Theatre staff required. The fascia shall be made with superior quality UV resistance membrane with serializable feature. The membrane backing is made of 2.5mm thick aluminum that is rust resistance. The connection between the surgeon control panel and the distribution board shall be by a multiplexed system, providing a PWM signal on a two-core cable.

The panel shall contain 9 services Tiles as below:

- a) Time Day Clock
- b) Time Elapse Day Clock
- c) Temperature & Humidity Indicator with controller
- d) General Lighting System
- e) Medical Gas Alarm Panel
- f) Hand Free Telephone set with memory card
- g) HEPA filter efficiency
- h) Music system

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Time Day Clock shall be digital type. Elapsed Time Day clock shall be also being of digital type and both clocks shall have high brightness characters which are not less than 30mm in height.

Temperature / Humidity Indicator and controller shall indicate the theatre temperature, which shall be connected to the local pressure switches of Air-Conditioning system. Indicator shall be of digital type have high brightness characters, not less than 30mm in height. General Lighting System incorporates all the necessary controls of the lighting system inside the theatre.

The medical gas alarm shall indicate High and Low gas pressure for each gas service present in the operating theatre and shall have an audible buzzer with mute facility.

The medical gas alarms shall be connected to local pressure switches located downstream of the last isolation valves.

A Hand Free Set Telephone system incorporated in the panel with memory type card.

HEPA filter efficiency tile should indicate the status of the filter fitted inside the plenum box in the OT.

The size of each tile shall not be more than 300mm x 200mm. Color shall be RAL 9002 for the frame and membrane fascia.

All internal wires shall be marked with plastic ferrule type cable markers, for ease of identification. The Control Panel shall be EP division Running Contract Notice Page 26/33 designed for front access only.

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## **Terms and conditions of Bid:**

### **1. Rate / Price**

The unit rate to be quoted shall be unit rate and shall remain firm without the price variation clause. The bidders should not claim for any price variation / escalation.

- The bid submitted with a price variation/escalation clause will be treated as non-responsive and rejected.
- Bid / rates quoted by the bidder shall remain valid for 120 days from the date of opening of tenders for the purpose of acceptance and award of work; validity beyond 120 days from the date of opening shall be by mutual consent. No price variation / cost escalation is accepted.
- The rates quoted by the bidder should be inclusive of all the tax applicable, levies, excise duties, transit, insurance and freight and any other statutory levies etc.
- The Income Tax and any other taxes or charges as applicable will be deducted at source by the EMS Hospital from the successful bidder while making the payment.
- The price quoted by the bidder shall remain firm during the entire period of contract and shall not be subject to variation on any account.
- The bidder should quote the rate as specified in the scope of work. The bids submitted other than in the specified scope of work at Annexure-II shall be summarily rejected.

### **2. Execution of work:**

- Time period of completion: The successful bidder shall execute and complete the work as per specification/Scope of work mentioned in Annexure-II to the satisfaction of the Officer In-Charge within a period of **4 weeks** from the date of award of work.
- The successful bidder to whom the work is awarded, shall have to execute the work as per the work order and the terms & conditions of this tender document.
- The EMS Hospital is not responsible for the breakage/damage of any goods during the transit. In that case, it is the responsibility of the firm/contractor to whom the work has been awarded.
- No extra cost shall be given for transportation; cost of labourers, insurance etc., as the rates quoted is all inclusive price
- The contractor shall have to bring all the supporting materials for carrying out the above work.
- The EMD will be released after a month from the date of submission of the performance guarantee.

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**3. Variation in quantity / scope of work:**

The quantity mentioned in the scope of work is approximate. The EMS Hospital reserves the right at the time of award/execution of the contract to vary the quantity specified in the scope of work without any change in the unit rate. However, the payment will be made as per the actual material used and work done.

**4. Security Deposit & Performance Guarantee**

The Contractor shall submit a bank guarantee for 5% of the bill amount towards security deposit. The bank guarantee shall be from a nationalized bank and shall be valid for a period of 12 months and additionally 60 days from the date of completion of the work to the full satisfaction of the EMS Hospital. The same shall be released by the EMS Hospital after the expiry of the above period.

**5. Liquidated damages**

For delay in completion of work, the liquidated damage @ 1% of order value per week or part thereof subject to the maximum of 10% of the order value shall be deducted.

**6. Extension of work completion time**

Ordinarily no time extension shall be granted. However, under unforeseen site conditions, the contractor shall make proper representation to the office in-charge with reasons for the delay upon which the extension of completion time may be allowed by the office in-charge.

**7. Payment terms**

A part payment up to 20% of the contract value shall be paid upon receipt of the materials required for project at the site after due verification and authentication by the Officer In-charge against submission of the part bill by the contractor. Balance Payment shall be made against the final bill within 45 days from the date of completion of the works to the satisfaction of the EMS Hospital/Officer In-charge in all respects and submission of completion certificate.

**8. Completion Certificate**

Within one month of the completion of the work the contractor shall furnish a certificate for such completion.

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## **9. Guarantee Period**

Guarantee period for all the items supplied should be **36 months** from the date of completion of installation for poor workmanship, poor performance, an in case of deficiencies are found during guarantee period, the same shall be rectified or replaced free of cost by the Contractors at their own cost and risk.

## **10. Quality assurance:**

The successful contractor should ensure the quality of material as per the requirement /discretion of the EMS Hospital and quality standards as specified by Government agencies.

## **11. Right to accept or reject tender**

(i) The right of acceptance of tender will rest with the EMS Hospital.

(ii) The acceptance of the tender shall rest with the EMS Hospital who does not bind himself to accept the lowest tender and reserves to himself the authority to reject any or all of the tenders received without assigning any reason. Further, the EMS Hospital reserves the right to accept the whole or any part of the tender and tenderer shall be bound to perform the same at the rates quoted. All the tenders in whom any of the prescribed conditions are not fulfilled or are incomplete in any respect shall be liable to be rejected.

## **12. Insurance**

Contractor shall at his own expenses carry and maintain insurance with reputable Insurance Companies for :(i) Employees State Insurance Act, (ii) workmen's Compensation & Employer's Liability Insurance, (iii) Any other Insurance required under Law or Regulations or by Owner.

## **13. Safety Regulations**

Contractor shall adhere to safe construction practice and guard against hazardous and unsafe working conditions and shall comply with safety rules. The EMS Hospital shall not be held responsible for any accidents that occur due to unsafe practice of the persons employed by the contractor to carry out the work.

## **14. Other Important conditions**

Before submitting their bid proposals, bidders shall carefully examine the site of the work to familiarize themselves with the site conditions which exist regarding present work to be executed, materials to be matched, precautions required, working space available and other conditions necessary to the making of the intelligent bids. All the above terms and conditions of the tender as mentioned above and included in the tender document is duly accepted.

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**END OF THE DOCUMENT**