

## FORM OF SHORT TENDER NOTICE

Government Engineering College Thrissur

D2/11931/23/GECTCR

19.01.2024

Sealed tenders are invited for **purchase of ECG & EMG machine** for Electronics And Communication Engineering Department

**Approximate cost Rs** 1,98,000/-

Specification separately attached

The envelopes containing the tender should bear the superscription "Tender. No. **D2/62/23-24 due on 14/02/2024** and should be addressed to the Principal, Government. Engineering. College, Thrissur, Kerala..

Last date for receipt of tenders will be **14/02/2024 2.00 pm** Late tenders will not be accepted. The tenders will be opened at Government Engineering College Thrissur on **15/02/2024 2.00 PM** in the presence of such of the tenderers or their authorized representatives who may be present at that time. Intending tenderers may, on application to the Principal, Govt. Engineering. College, Thrissur, obtain the requisite tender forms on which tenders should be submitted. Application for the tender form should be accompanied by a cash remittance of **Rs.472/(400+18%GST) + postal charge** which is the price fixed for a form/set of forms and which is not refundable under any circumstances. The tender forms are not transferable. Sale of tender forms will be closed at **2.00 pm on 14/02/2024** Cheques, postage stamps, etc., will not be accepted towards the cost of forms, nor will the forms be sent per V.P.P.

Tenders should be accompanied by EMD of 1%, subject to a minimum of Rs. 1980/- , of the amount by DD drawn in favour of the Principal, Government.Engineering College, Thrissur with an agreement in Kerala Stamp Paper worth Rs.220/-. Details can be had from the Govt.Engineering College Office working hours.

Place:Thrissur

Principal

Copy to

1. Notice Board
2. HOD,ECE

**Approval Valid**

Digitally Approved By  
Lijo Vincent  
Date: 19.01.2024  
Reason: Approved



The document is digitally approved. Hence signature is not needed.

## SPECIFICATION of ECG and EMG machine

Sl. No	Item Name	Specifications	Quantity
1	3 channel ECG Machine	<ol style="list-style-type: none"><li>1. No. of channels 3</li><li>2. Simultaneous 12 lead measurement</li><li>3. Digital Filters to eliminate baseline drift, AC and EMG artifacts</li><li>4. Graphics display: 320X240 pixels Colour TFT screen , size 3.5"</li><li>5. Thermal printer, speed 12.5,25,50 mm/sec</li><li>6. A/D resolution – at least 12 Bit</li><li>7. Acquisition mode: Auto / Manual</li><li>8. Memory at least 50 subjects</li><li>9. Input Impedance &gt; 100Mohm</li><li>10. Frequency response 0.05 to 150 Hz</li><li>11. CMRR 100dB</li><li>12. Sensitivity - 2.5,5,10,20 mm/ mV</li><li>13. Leakage current &lt; 10 Micro Ampere</li><li>14. Electrodes: bulb electrode 6 nos., Limb electrode 4 nos,</li><li>15. Thermal printer roll 1 uit</li></ol>	1 unit
2.	2 Channel EMG Machine	<ol style="list-style-type: none"><li>1. No. of Channels 2</li><li>2. Support : EMG,NCS and EP study</li><li>3. Battery operated</li><li>4. Inbuilt speaker for EMG test</li><li>5. On screen Impedance Check</li><li>6. CMRR &gt; 100dB</li><li>7. Data Communication-USB</li><li>8. Sweep speed: NCS &amp; EP:-1 to 1000 ms/div in 19 steps EMG: 2 to 500ms/div in 13 steps</li><li>9. A/D converter 16 bit</li><li>10. EPs -to record Up to 16 waves</li><li>11. Data format: Excel,txt,.CSV</li></ol>	1 unit