

GOVERNMENT COLLEGE OF ENGINEERING, JALGAON

(An Autonomous Institutes of Government of Maharashtra)

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No.GCOEJ/E&Tc Dept./2017-18/ 1835

Date :-7/7/2018

INVITATION FOR QUOTATION

To,

Sub :- Quotation for the supply of ECG Amplifier and EEG Amplifier .

Sir,

With reference to above subject, sealed quotations are invited for the equipment / items, listed in the enclose list on or before **03/08/2018 up to 4.00pm**. Quotations received against this inquiry will be opened on **04/08/2018 at 11.00 am in the department**. The representatives of all those suppliers who has submitted the quotations on or before due date may present on date and time of opening of the quotations. Those who will fulfill the terms and conditions will be considered for competitive bidding.

Sr No	Description of items with Technical specification	Approx Required Quantity	Remarks
1.	<p>ECG Amplifier, Multi Lead Recording</p> <p>Recording Leads and Electrodes with Data acquisition unit</p> <p>Analog inputs: Channels: 16, Input voltage range: $\pm 10V$, A/D resolution: 16 Bits, Accuracy (% of FSR): ± 0.003, Input Impedance: 1.0MW</p> <p>Analog outputs: Channels: 2, output voltage range: $\pm 10V$, Accuracy (% of FSR): ± 0.003, Output Impedance: 100 W, Output D/A resolution: 16Bits, drive current: $\pm 5mA$ (max)</p> <p>Signal output format: wav, bin, txt, etc. with std, output port support</p> <p>Device specifications: Sampling rate: 200 k Samples/s, Internal buffer size 6 M Serial interface type/ rate : Ethernet: DLC type II (10M bits/s), transmission type: Ethernet (10/100 Base T) Samples,</p> <p>Ethernet for windows with Standard Unit/ Module/Accessory:</p> <p>Ethernet ready data acquisition unit, Universal interface module, network Interface card, Ethernet crossover cable, 12V power transformer with cord</p> <p>Biopotential Amplifier Qty. 03</p> <p>Gain 500, 1000, 2000, 5000, Output selection: Normal, R wave indicator,</p> <p>Frequency Response Maximum Bandwidth (.05 Hz- 150 Hz), Low Pass Filter: 35 Hz, 150 Hz, High Pass Filter 0.05 Hz, 1.0 Hz, Notch Interference Filter: 50 dB rejection @ 50 or 60 Hz, Noise</p> <p>Voltage (0.05-35 Hz) 0.1 μV (rms), Zin: 2M ohm (Differential), 1000M ohm (Common mode), CMRR 110 dB min (50/60 Hz), $\pm 10V$ (referenced to amplifier ground), Range $\pm 10 V$ (analog) VDC (referenced to mains ground), Output $\pm 10 V$ (analog)</p> <p>ECG (Multilead ECG) lead system module Electrocardiogram Amplifier Common Mode Input Voltage Range Multi-lead ECG Cable ECG (Multilead ECG) lead system module Electrocardiogram Amplifier - (03) Multi-lead ECG Cable (01) General-purpose Electrodes (10 pounds)</p>	01	

2.	EEG Amplifier with 10 Channels with Output selection: Normal, Alpha wave High Pass Filter: 0.1 Hz, 1.0 Hz, (0.1-35 Hz) 0.1 μ V(rms), Z _{in} : 2 M Ω (Differential) 1000M Ω (Common mode), Common mode Input Voltage Range: Signal output format: wav, bin, txt, etc Gain: 5000 Vin \pm 2 mV 50000 Vin \pm 0.2 mV Standard Accessories with 2 Manuals	CapGain: 5000, 10000, 20000, 50000 indicator, Low Pass Filter: 35Hz, 100 Hz Notch Interference Filter: 50 dB rejection @ 50/60 Hz, Noise Voltage CMRR: 110 dB min (50/60 Hz), \pm 10 V (referenced to amplifier ground), Output Range: \pm 10 V (analog), etc with std. output port support 10000 Vin \pm 1 mV, 20000 Vin \pm 0.5 mV	01	
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Instructions to bidders and Terms and Conditions

1. The quotations must be submitted in sealed envelope, in prescribed format with details of enquiry superscripted on envelope. (Quotation for enquiry of ECG Amplifier and EEG Amplifier No. GCOEJ E&Tc Dept./2017-18/)
2. The quotations must be sent by post or submitted in the drop box kept in the office on or before 03/08/2018 up to 04.00pm. Quotations will be opened at 11.00am on 04/08/2018.
3. Quotation can be dropped in quotation box placed in office of this institute. However, this office does not take any guaranty of not receiving the sealed envelope within time.
4. Separate sealed envelope should be submitted for each enquiry.
5. The quotations must be supported by necessary technical literature and other documents as mentioned in this document.
6. The bidder must not be a defaulter to any government authorities and must not have been black listed/debarred from supplying goods.
7. The bid must be for all inclusive prices of the goods. Must include all taxes and levies (like GST) transportation charges, freight etc and for warranty of 2 years from the date of installation.
8. Delivery to the consignee has to be effected within 4-6 weeks from the date of issue of purchase order.
9. Rates quoted should be valid for 90 days from the last date of submission of offer.
10. The bidder will have to provide a performance bank guarantee to cover the period of warranty. Bank guarantee shall be of 3% amount and to be provided to the consignee.
11. The bid offer must comply with all technical requirements of the user department/consignee. Mere quoting of lowest price will not be the criteria for award.
12. The bidder must quote PAN and GST number along with copies of GST registration and PAN card.
13. The consignee will make payment for the goods received by way of RTGS/NEFT/ECS, so the supplier will have to provide bank details to the consignee.
14. Payments will be done only after delivery, successful installation and working trail at the consignee's place. Advance payments will not be done.
15. This office may call for additional documents and /or information required for processing the bids.
16. This office reserves the right to reject any or all bid offers, without assigning any reason (/s), thereof.
17. List of documents to be attached :- i) covering letter with details of bidders, address, telephone number, mobile number, email ID, name, signature and seal ii) type of business entity :- manufacturer/authorized dealer, and others (to be specified) iii) PAN card photo copy iv) GST number registration certificate / print out v) offer letter stating make and model quoted, quantity, accessory, part number etc. (THIS OFFER LETTER SHOULD BE SEPARATE FROM OTHER DOCUMENTS mentioned herein) vi) authorization from manufacturer regarding support during bidding process and warranty period, in case the bidder is not a manufacturer. vii) technical literature of item quoted viii) price quote along with taxation, inclusions and exclusions, if any. ix) undertaking that the bidder has not been black listed or debarred from supplying previously. x) undertaking about compliance of terms and conditions mentioned in this quotation.

for, 
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