JAMIA MILLIA ISLAMIA

(A Central University by an Act of Parliament)

Tel. 26982651;
26981717 Ext.: 2340, 2342
e-mail: electrical@jmi.ac.in
Website: https://www.jmi.ac.in

DEPARTMENT OF ELECTRICAL ENGINEERING

Faculty of Engineering and Technology
Maulana Mohammed Ali Jauhar Marg, New Delhi-110025

EED/Q-01/2022/23

May 19, 2022

LIMITED TENDER NOTICE

The Department of Electrical Engineering, Jamia Millia Islamia, New Delhi, invite quotations for the following items as per University Purchase procedure. It is requested to kindly provide us sealed quotations/e-mail <electrical@jmi.ac.in> of these items along with their specifications, if any. The quotation may be submitted within a day's up to 27/05/2022 in the office of the undersigned.

S. No.	Particular and Technical Specification	Unit Rate	Tax	Total Amount
1	EEG Data Acquisition System **Technical Specification: 'Annexure-A'**	01		

(Prof. Munna Khan)
Head

Notes:

- Quotation should be sealed in a separate envelope/item wise duly super scribed "Item name" – Quotation reference No.: ----------
- Applicable Taxes, Warranty, Delivery period and other Terms & Conditions should be mentioned clearly
- The quotation should be a reputed and an authorized firm/supplier having after sales service agreement with the OEM (Proof for the same to be enclosed along with address, phone nos. & E-mail etc. of the Service Centre).
- The quotation document complete in all respects should reach The Head, Department of Electrical Engineering, Faculty of Engineering and Technology, Jamia Millia Islamia, New delhi-110025 (Attn. Head, Department of Electrical Engineering should be written over the sealed envelope)

Technical Specification: 'Annexure-A'

EEG Data Acquisition System

Features

- Automatic paging facility for quick review and analysis
- Artifact free recording in any environment
- Easy to use operation for acquisition and analysis
- Quick review of many hours of EEG
- Upto 24 Channels data Acquisition (21 EEG channels, 3 Polygraphic)
- Simultaneous acquisition and analysis
- Event marking with review and printing options
- Montage pictorial can be displayed as well as printed
- User programmable acquisition and photic sequences protocols
- Online true AC Impedance check which displays numeric values of all electrodes
- LED based photic stimulator reduces acoustic electrical interference
- Unlimited online/offline montage and filter reformatting
- Advanced features in Brain mapping with multiple references
- Brain mapping color coding as per international standards
- EEG Synchronous video recording

Technical Specifications

EEG input channels EKG input channel EMG input channel	21 1 (bipolar) 1 (bipolar)
DC/External transducer inputs	1
Total Inputs	24
Low Filters	0.1, 0.3, 0.5, 1, 3, 5 Hz and user selectable (0-7 Hz), Single pole
High Filters	15, 35, 70 and user selectable (10-99), single Pole
Notch	Off, 50 / 60 Hz
Muscle rejection	On / Off, 30 Hz double Pole
Sensitivity	1-1000 µV / mm and one user selectable value
A/D Conversion	14 bit in hardware
Sampling Rate	1024 Hz
Storage Rate	256 Hz
Resolution	0.153µV
Dynamic Range	10mV P-P
CMRR	> 100 dB (0.1-100 Hz)
Noise Level	< 0.3µV RMS
Input impedance	> 10 Mohm (0.1-100Hz)

General	
Connectivity to host PC	RS-232/High speed USB
Export formats	PDF, MS Word, MS Excel
Safety	1.5 KV isolation
Power Supply	
Line Power Supply	~220-240V, 50Hz ±10%

Works on: OS: Windows 10 and Higher versions, 32/64bit, Processor:
RAM: 2GB, 160 GB hard disk

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Faculty of Engg. & Tech.
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