

Calling for Quotation/Tender

OFFICE OF THE MEDICAL SUPERINTENDENT
J.N. MEDICAL COLLEGE HOSPITAL
ALIGARH MUSLIM UNIVERSITY
ALIGARH

R-6902/cc
17.9.18

No. Ext 1015 /MCH/SHAKEB

Dated 17/9/2018

M/s.....

.....

.....

Sealed Tender/Quotations are invited from manufacturers or their authorized dealers for the following instruments for Psychiatry Unit on the terms and conditions as mentioned on page No.2

Quotations should reach this office on or before 08.10.2018 by 12:00 Noon and will be open on 09.10.2018 at 12:Noon

Computerised Biofeedback for GSR, Temp, Pulse Rate, Respiration, EMG, EEG (Neurofeedback) Parameters with following Specifications:

Biofeedback should have following Parameters (Modules): -

- i) **Temperature Module:** The module shall measure skin temperature. It should be possible to attach temperature sensor used for measuring temperature to hand or forehead with help of a headband or Velcro strap.
- ii) **Pulse Module:** The module shall measure pulse amplitude and frequency. It should be possible to attach pulse sensor to hand or forehead with help of a headband or Velcro strap.
- iii) **GSR Module:** The module shall measure skin conductance. It should be possible to attach Velcro strap to palm of hand and finger.
- iv) **Respiration Module:** The module shall measure breathing pattern. It should be possible to fasten on the breathing belt around thorax or abdomen.
- v) **EMG Module:** The EMG signals are detected with silver electrodes (surface electrode) and amplifier a low noise pre-amplifier.
- vi) Alpha (EEG)

Neurofeedback module is used to enhance a particular frequency band of EEG (electroencephalograph) waves. Enhancing different frequency band activity via training through neurofeedback should be described following frequency band detail: - DELTA, THETA, ALPHA, SMR, MIDRANGE BETA and high Beta. Should have Neurofeedback specification analysis. Should have 3-D graphics games for feedback & Brain mapping (Frequency, Amplitude & Spectral Plotting) and same EEG should have facility to use Portable.

System should be An ISO 13485: 2016 and CE certified.

System Should have CE certified with four digit CE number.

System must be certified to be compliant with Electrical safety standard for Medical

Equipment IEC – 60601-1 standard for electrical safety

Accessories: Should have two set of GSR electrode, Two Temp. Probe. Two Respiration Belt, 10 No's gold plated EEG alpha electrode. Two EMG electrode. Two Pulse transducer. 02 nos. Ten Twenty Conductive paste etc. Warranty should be minimum three years and Software CD Backup should be provided.

Should be supplied with Laptop computer hardware: i3 Processor, 15" Screen, 2 GB RAM, 320GB HDD, DVD Writer. One separate TFT Monitor for animation pictures and video game.

Printer: Windows supporting Inkjet Colour Printer. Operating Systems Windows XP/Vista.

Continued on Page No.2

Medical Superintendent:
J.N. Medical College Hospital
Aligarh
A.M. Uga

