

**Amendment No. 1****Sub: Amendment to the referred tender enquiry****Ref.: Tender Enquiry HITES/PCD/PMSSY-III/38/MIX/18-19 dated 01/03/2019**

The following changes are being incorporated in the above referred Tender Enquiry Document.

**Section VII****Item Sl. No. 28**The technical specification for item serial no 28 Portable EEG 32 Channel is revised as under**Portable EEG 32 Channel**

Sl.No	Technical Specification
	Portable EEG system should have at least the following essential specifications
1	<b>The system should be able to run on laptop battery for minimum 1.5 hours to acquire EEG signals artifact free in ward/ ICU and OT environment"</b>
2	The system must be supplied with dedicated trolley/bag which should be capable of holding all accessories of portable EEG machine
3	Multifunctional Electrode Junction box with minimum 24 channel EEG with minimum 2 Bipolar, 1 DC channels, ECG and SpO2 channels.
4	Should be supplied photic simulation with suitable clamp to mount on patient table/bed
5	System must be supplied with data management software for easier management of patient data, schedule.
6	System should have 12-bit simultaneous sampling of all input channels with sampling frequency of 1 KHz.
7	Should be able to perform Skin electrode impedance check for easy detection.
8	Should be able to support multiple users, with individualized operational settings.
9	EEG Data should be ported to an external storage media for reviewing in any PC with reformatting and remounting with out the use of any additional software.
10	It should have facility for acquisition and review mode by split sreen (simultaneously)
11	<b>Laptop Specifications</b>
	The equipment should have minimum specifications as follows.
a	<b>Laptop core i5 , minimum 4 GB RAM, 1TB Hard Disk, 3 USB ports or better, more than 1.5 hrs backup with EEG Machine"</b>
b	latest operating system & MS Office Professional
c	Built in CD RW/DVD read combo drive
d	Laser jet Printer
12	<b>System should have following technical specifications</b>
a)	No of channels: 32
b)	Input impedance: atleast 100 M ohms
c)	Sensitivity 1 to 500 micro volt per mm
d)	<b>Noise &lt; 1.5 micro volt Peak to peak or 0.65 RMS or less</b>

Sl.No	Technical Specification
e)	Built in manual / automatic sine / square wave calibration
f)	Common mode rejection ratio: above 105 dB
g)	Low filter settings: 0.1 Hz to 20 Hz
h)	High filter settings: 15 Hz to 300 Hz
i)	notch filter
j)	Electrode to skin impedance check: 2 to 50 K ohm
k)	Sampling rate: 100, 200, 500 Hz & 1KHz
l)	<b>Deleted</b>
m)	EEG data output in ASCII format/Equivalent
n)	Hiding of selected channels and different color for each trace
o)	Display modes: Overwrite and Page-by-page
p)	Waveforms freeze facility with simultaneous background recording
q)	Option to select Reference electrodes: A1®A2, A1-A2, A1«A2, A1+A2, VX, AV, BN, Aav, Org and SD
r)	Configurable to create different montages
s)	EEG Electrode(Reusable) - 100 Nos.
t)	10-20 or equivalent Conductive Paste – 30 Nos ( <b>225 grms or more</b> )
u)	Nu-prep or equivalent skin prep Gel – 10 Nos.
v)	EEG Cap adult & Peadiatric - 1 sets each (Optional)
20	System should be US FDA/ European CE approved.
21	Should be HL7 compliant system

SN	BOQ	Qty	UOM
1	Portable EEG system	1	Nos
2	EEG Electrode Resusable	100	Nos
3	10-20 or equivalent Conductive Paste	30	Nos
4	Skin-prep Gel	10	Nos
5	Laptop with all licenced software	1	Nos
6	EEG Cap adult & Peadiatric - each (Optional)	1	sets

**All other contents of the tender enquiry including terms & conditions remain unaltered.**

**Note:**

**Prospective Bidders are also advised to check the website regularly prior to the closing date and time of online submission of bids.**