

Specifications for Auditory Evoked Potential (AEP) System with OAE & ASSR for the Departement of Audiology & Speech Therapy, B.Y.L. Nair Ch. Hospital Mumbai.

Sr. No.	Particulars	Specifications
1.	Two channel AEP equipment with inbuilt tests.	<ul style="list-style-type: none"> a. ABR, b. ECoCh G c. AMLR d. ALLR e. P300 f. eABR
2.	Additional modules.	<ul style="list-style-type: none"> a. ASSR b. VEMP c. Otoacoustics emission (OAE) Diagnostic- TOAE and DPOAE.
3.	Standard accessories.	<ul style="list-style-type: none"> a. Insert earphones b. Supraaural earphones c. BC Vibrator. d. Gold foil tiptrodes for ECoCh G e. Any other standard accessories
4.	Types of Stimuli.	<ul style="list-style-type: none"> a. Clicks b. Tone bursts (50Hz to 4000Hz) Chirps and Speech bursts c. Provision to insert new auditory stimuli into the system. d. Provision for chain click stimuli in ABR for threshold estimation to allow multiple intensities to be tested at one time thereby reducing the test time to accommodate more patients.
5.	Provision for offline manipulation of responses.	Addition, subtraction, inversion, etc.
6.	Range of intensities	From 0 dB pe SPL to 130 dB pe SPL (i.e 0dB n HL to 100 dB n HL).

7.	Computer Accessories	
	Computer Laptop	Laptop with Intel i5 Processor, Intel Motherboard, 16 GB RAM, 1TB SSD, Windows 11 and 15.6" Display.
	Computer Software	
	Operating System	License copy of 64 bit Windows 11 or latest.
	MS Office	Latest version and Licenses copy.
	Antivirus	Liscense copy with 5 year subscription.
	Printer	Black and White laser printer.
	General Requirements	
a.	All the above equipment shall be new and manufactured from virgin materials. All the requirements of this supply shall be necessary sourced from the original equipment manufacturer of the model quoted except Computer, Printer etc which shall not be necessary sourced from the original equipment manufacturer of the model quoted but should be compatible with the quoted model.	
b.	Equipment shall operate on 230 V, single phase, 50 Hz electric supply. The necessary protective relaying / circuitry shall be there with the machines. The mains supply voltage variation may be max.±10% and frequency variation maximum ±3 %.	
c.	CE certified by European Notified Body (under IVD) along with declaration of conformity or US FDA approved for offered model and accessories. In case of CE (Class-I), the following documents are required to be enclosed: a. Declaration of conformity by manufacturer or EU representative of Manufacturer for the quoted model. b. Documentary evidence regarding firm registered with EEA (European Economic Area) Competent authority is required. Or European Representative registered with EEA (European Economic Area) Competent authority appointed by firm is required. Or Other documents like certificates from Notified body along with declaration of conformity.	
d.	Three-year comprehensive warranty to be followed by 7 years CMC. Technical support, required spares and consumables should be assured for two years after initial 3 + 7years period is over.	
e.	The equipment should be provided with one hard copy in original of the detailed service manual and operation manual. Further, a soft copy is also required.	
f.	The equipment must be tropicalized as below: <ul style="list-style-type: none"> • Operating room temperature: upto 40° C • Storage room temperature: upto 60° C • Relative Humidity: upto 90% non-condensing 	
g.	Among the other things, the responsiveness of the bid will be based on successful demonstration of the offered model of the equipment	
h.	The bidder has to submit users list with address & contact telephone number/s.	
i.	Prospective tenderers should have a full-fledged and well-established service centre in Mumbai with engineers qualified in servicing of AEP Equipment.	
j.	If any of the essential and desirable requirements are chargeable extra, the cost of	

	the same should be clearly stated.
k.	List of recommended spare parts & consumable and their rate shall also be given.

Sd/-

Dr. Jyoti S. Mohite
Assoc. Prof. & Ag. HOD
Dept. of Audiology & Speech Therapy
TNMC & BYL Nair Ch. Hospital

Sd/-
Dean (N &T)
TNMC & BYL Nair Ch. Hospital

