



Notice Inviting e-Tender

West Bengal Medical Services Corporation Limited
Swasthya Sathi
GN-29, Salt Lake, Sector-V
Kolkata-700091

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Supply and Commissioning of Medical equipments for setting up of Sports Medicine unit at Govt. Medical College & Hospital of the Govt. of West Bengal
(Submission of Bid through *online*)

Bid Reference No.: WBMSCL/NIT-36/2022

Dated-28.01.2022

Amendment-IV

TECHNICAL SPECIFICATION

Schedule – III

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EMG / NCV / EP MACHINE:

Parameter	Threshold Limit / Range
No. of channel	4 or more
Sensitivity range in μ V/div	(1-2 μ v) or more
Sensitivity range in mV/div	(1 - 10) or more
Sweep speed ms/div in steps	(1 - 800) or more
Input impedance in M ohms	100 or more
Noise in μ V RMS	0.8 or less
Average (BAER) Per channel	2000 or more
Electrical range in mA	(0 - 100) or more
Duration of electrical stimulation in ms	(0.02 - 1.0) or more
Repetition rate of electrical stimulation in per	(0.5 - 30) or more

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Auditory Frequency in Hz	(250 - 8000) or more
White noise Contralateral masking in dB normal hearing level	0 – 50 or more
Intensity of click stimulation in dB normal hearing level	(0 - 110) or more
Intensity of click stimulation in dB Standard Pressure Level	(30 - 140) or more
A/D Converter in bits	16 or more
MUST HAVE	
OS Platfrom (windows 7 / WINDOWS 8 / XP)	
High cut and low cut filter	
Impedence check	
Simultaneous acquisition in all 4 channels during EMG test	
Sweep speed and sensitivity can be changed after acquisition	
Screen separator for viewing M and F or H waves side by side	
User programmable rates for all stimulator	
Speaker sound can be stored and can be played on a multimedia	
Split screen facility	
Facility of reviewing EMG data with raster	
F wave separator	
Pediatic shock stimulator	
LED GOGGLES & FLASH	
EMG trigger	
Electrical Stimulator	
Adult and pediatic Headphone	
Auditory stimulus	
Video monitor facility for changing checker board size	
Facility of flash mode	
Facility of setting	
Facility of averaging	
Facility of latency intensity graph	
List of muscles for easy selection	
Facility of online guide to locate various muscles and nerves	
Click duration in 100 μ s square wave	
Square size of 4 to 32 or more	
H Reflex, Blink Reflex Facility	
Repetitive Stimulation	
Necessary trolley	
Online UPS (30 minutes backup) of	

appropriate capacity for the entire system	
Surface electrode - 10 pair	
Stimulating bar electrode and felt stimulation pads - 1 no.	
Ring electrode - 2 pair	
Ground electrode with cable (paediatric) - 1 nos.	
Ground electrode with cable (adult) - 1 nos	
Disposable concentric needle electrode - 25 pcs	
Adapter for needle electrode connection - 1 no.	
Adaprer for disposable electrodes connection should be provided (20cm) - 2 pcs	
Jumper Electrode - 4 pcs	
Skin Preparation gel - 10 nos.	
Conductive paste - 10 nos.	
Selected bidder should construct necessary proper earthing at the space identified by the authority	
Shoul supply colour printer for printing of graphics and reports in A4 size paper facility	
Quality Standrad and safety Certification	
US FDA or European CE (4 digit)	