



BIDS AND AWARDS COMMITTEE

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SECTION VII

Technical Specifications

PUBLIC BIDDING FOR THE SUPPLY, DELIVERY, INSTALLATION, TESTING AND COMMISSIONING OF BRAND-NEW REPETITIVE MAGNETIC TRANSCRANIAL STIMULATOR WITH TWO CHANNEL EMG FOR AUTOMATIC MOTOR THRESHOLD DETERMINATION FOR THE USE OF AGED AND WELLNESS UNIT CY 2024
 IB No. E-007-2024-PB

INSTRUCTION: Bidders must state here either “Comply” or “Not Comply” against each of the individual parameters of each Specification stating the corresponding performance parameter of the equipment offered. Statements of “Comply” or “Not Comply” must be supported by evidence in a Bidders Bid and cross-referenced to that evidence. Evidence shall be in the form of manufacturer’s un-amended sales literature, unconditional statements of specification and compliance issued by the manufacturer, samples, independent test data etc., as appropriate. A statement that is not supported by evidence or is subsequently found to be contradicted by the evidence presented will render the Bid under evaluation liable for rejection. A statement either in the Bidders statement of compliance or the supporting evidence that is found to be false either during Bid evaluation, post-qualification or the execution of the Contract may be regarded as fraudulent and render the Bidder or supplier liable for prosecution subject to the provisions of ITB Clause 3.1(a) (ii) and/or GCC Clause 2.1(a)(ii).

Item	Specification	Statement of Compliance	Supporting Documents for the Statement of Compliance (if applicable)
1	Supply, Delivery, Installation, Testing and Commissioning of a Brand-New Repetitive Transcranial Magnetic Stimulator with 2 Channel EMG for Automatic Motor Threshold Determination for the use of Aged and Wellness Unit CY 2024 SPECIFICATIONS:		
	A. Main Unit (Stimulation Unit) -With multifunctional display that shows MT percentage, Protocols used, Duration, State of the coil, and the unit itself.		
	-With Trigger Button		
	-With stimulation parameters knob		
	B. Active Coil Component Cooling Unit - Liquid Cooling Technology		

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	C. Extra Power Supply		
	D. Cooled Coils		
	- With Positioning grid for precise coil placement		
	- Buttons to increase/ decrease stimulus intensity		
	- With coil temperature indicator both in the software (presented in the status bar and exact value) and actual coil (LED indicator)		
	- One coil for MT determination and stimulation		
	<p>- Capable of more than 20 different clinical indications:</p> <p>Depression, OCD, Stroke, Neuropathic Pain, Non-Neuropathic Pain, Fibromyalgia, Visceral Pain, Parkinson's Disease, Schizophrenia, Epilepsy, Dementia, Alzheimer's Disease, PTSD, Addictive Disorders, Bulimia, Dystonia, Blepharospasm, Essential Tremors, Tourette's Syndrome, Tinnitus, Autism Spectrum Disorder, ADHD, and Peripheral Muscle Stimulation.</p>		
	Connection to PC: USB Interface		
	Work parts: BF type (Body Floating Type)		
	<p>Stimulation mode:</p> <ul style="list-style-type: none"> · single pulse · train · burst · ramp · sweep frequency 		
	Maximum frequency: 100 Hz		
	<p>Degree of protection provided by enclosures:</p> <p>a. stimulator units - IP20</p>		
	<p>Cooling agent pressure limit in coil while operating:</p> <p>≤ 0.35 MPa (Megapascal)</p>		
	Type of cooling agent: Silicone oil		
	Coil surface temperature enabling automatic stimulation stop at (39 ± 2)°C		

	Intensity in % of MT 0 – 150%		
	without extra power unit: At least 5 Hz ²		
	with extra power supply unit: At least 20 Hz ²		
	Number of pulses: At least 10,000 per session		
	Temperature: +5 till +40°C		
	Humidity: from 30 to 85%		
	Non-condensing		
	Atmospheric pressure; 70-106 kPa (Kilopascal)		
	- A portable and compact 2-channel EMG with integrated software dedicated to the TMS machine for the determination of the Motor Threshold of the patient.		
	● Dimension & Weight: At least 92x167x46 mm & not more than 0.35kg		
	● Help window for different types of tests		
	● With a screen display that shows the Amplitude, Duration, and Frequency of the traces.		
	● Automatic arrangement of markers		
	● With a built-in report generator		
	1. With the capability of pc software for patient database and controls of stimulation		
	2. With predefined protocols and the corresponding clinical studies as a reference to the protocols		
	3. With rapid stimulation protocols up to 100 Hz frequency as well as theta-burst stimulation		
	4. With the trigger in/out connector		
	5. With treatment history and stimulation sessions on the software		
	6. With patient database		
	7. With the unlimited installation of software updates		
	8. With active coil component, liquid cooling technology to avoid overheating		
	9. With semi-automatic MT determination		

<p>Computer Requirements:</p> <p>Processor: At least Intel Core i5 10th Gen</p> <p>Operating System: Windows 10 or higher</p>		
<p>RAM 8GB</p> <p>HDD 1 TB</p> <p>Display: At least 21.5" Display Screen</p>		
<p>Inclusions:</p> <p>100 pcs. Patient cap (50pcs medium and 50 pcs large)</p>		
<p>1 unit Coil Positioning Tool</p>		
<p>● 2-units Standard coil:</p>		
<p>Number of pulses:</p> <ul style="list-style-type: none"> - Figure-of-eight coil- up to 10,000 pulses - Double Cone Coil 		
<p>● 1-unit Electric Reclining Chair</p> <ul style="list-style-type: none"> -With backrest and foot adjustments -With remote and built-in control -With head support 		
<p>1-unit Flexible arm</p>		
<p>1 unit Trolley</p>		
<p>1 unit UPS (1KVA) and 1 unit AVR</p>		
CONFORME:		
<i>(Company Name)</i>		
<i>(Name and Signature of Authorized Representative)</i>		