

Amendment No. 1

21.03.2023

Sub: Amendment to the Global Tender Enquiry Document**Ref.: Notice Inviting Bid ref. HITES/PCD/MCH-AIIMS/18/22-23 dated 07.03.2023****The following changes have been authorised and are being incorporated in the above referred Bidding Document for the below mentioned tender only:**

- i) **Transcranial Magnetic Stimulator (Tender ID: 2023_HLL_147801_7),**

SECTION – I**NOTICE INVITING TENDERS (NIT)**

Description	Existing	Amended as
Pre-Bid Meeting for Transcranial Magnetic Stimulator (Tender ID: 2023_HLL_147801_7)	14-03-2023 at 02.30 pm Seminar Room, 1st Floor, Store Section, Hospital Store, AIIMS, New Delhi - 110029	28-03-2023 at 03.00 pm MS Seminar Room, Ground Floor, Main Hospital, AIIMS, New Delhi - 110029

Section – VII**TECHNICAL SPECIFICATION**

The below mentioned specification supersedes the previous existing specification for the tender of

Transcranial Magnetic Stimulator (Tender ID: 2023_HLL_147801_7)

Sr. No.	Technical Specifications
A	Compact TMS device that can perform all diagnostic and therapeutic TMS examinations in children.
B	General
1	Power supply: 220V, 50Hz AC supply

Sr. No.	Technical Specifications
2	Enclose list of users with their phone numbers in India
3	Local service center should be available in Delhi, to provide efficient after sales service, down time should be less than 48 hours.
4	Operation environment: temperature 5°C to 40°C; between 10% and 90% non-condensing humidity
5	The system should stop stimulation in case coil heats up above 41 degree temperature.
6	The quoted model must be US FDA OR European CE with 4 digit notified body or BIS certified. The manufacturer must be ISO-13485 Certified.
7	Should have a wide screen TFT interactive color display or a separate wide screen monitor to be provided.
8	Lifetime software upgrade
9	Appropriate antivirus with renewed updated version should be provided every year for 5 years
10	To provide cost of all accessories/consumables
11	Free technical phone support
12	Formal training to be arranged for end user and technical assistance will be provided free of cost.
C	Hardware
1	Should have all stimulation modes: single pulse, paired pulse, rTMS, theta burst and Monophasic pulse.
2	Continuous and train stimulation mode
3	Pulse mode and Train mode with adjustable number of trains and rest periods
4	Stimulation control via the coil handle and/or footswitch
5	Dedicated function keys for direct operation
6	Automatic calculation of sequence duration versus train and frequency.
7	Hardware for neuronavigation
8	Should supply small ring coil, cooled big ring coil, cooled angulated figure of eight coil with dynamically cooled technology with external cooler. Latest coils for deeper stimulation (upto 6-8 cm) should be provided combined halo coil and double cone coils or equivalent.
9	Should have coil stand which can be rotated at 360 degree.
10	Should supply with placebo/sham coils.
11	All the coils provided alongwith the equipment should be covered under 5 year warranty
12	Dedicated Trolley with Coil's Arm Support
13	Ambidextrous, comfortable, full body support, position and height adjustable semi reclining therapy chair with arm rest for TMS examination. The chair should have compensated backrest tilting down to horizontal position as well as strapping for restraining pediatric patients age 2-18 years.
14	User manual
15	Technical guide
D	TMS System Software
1	Controls for stimulator unit integrated in user interface
2	Automatic coil type recognition and temperature control
3	Single pulse: stimulus interval fixed or randomized (500ms-10000ms)

Sr. No.	Technical Specifications
4	Paired pulse: Adjustable interval between two pulse (range 2ms-100 ms in 1ms steps)
5	rTMS: adjustable number of stimuli and frequency range 1 hz – 100 hz in 1 hz steps
6	System allows user to adjust stimulator output (% of maximum) to correspond to electric field intensity (V/m Or A/ μ s)
7	Should be able to do Central motor conduction time (CMCT), silent period assessment, interhemispheric inhibition (IHI), facilitation and various other research test protocols with automatic markers for calculation of latencies & amplitudes.
8	Software (neuro navigation) for displaying calculated intracranial electric field intensity (peak field and field distribution) and field direction for targeting and adjustment of stimulation.
9	There should be option of editing or creating new protocols in the software provided along with the PC.
10	Should supply with 2 channels MEP (EMG) machine manufactured by same brand of TMS for better compatibility & reliability.
11	Dedicated Patient Protocols
12	Full Screen MEP Visualization
13	PC Interface for Protocol Management and control software for TMS machine. (PC Specs: i7 processor, 8GB RAM, 512 GB SSD, Windows 10 OS)
14	Easy Upgrade with USB Stick
15	Easy back up on an external device.
16	Software for typing reports Microsoft office (MS word/ Excel/power point) with facility to track treatment history of patients.
17	Should be supplied with Laser Printer.

Note to Prospective Bidders:

Based on the above amendment, Technical Compliance Sheet 'TC_2023_HLL_147801_7_Ver1.0' in CPP portal has been superseded by a new version i.e. 'TC_2023_HLL_147801_7_Ver1.1'. The same need to be downloaded for submission by participating bidders.

All other contents of the Global Tender Enquiry Document including terms & conditions remain unaltered.