



## **Notice Inviting e-Tender**

**West Bengal Medical Services Corporation Limited**

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**Supply and Commissioning of 01 (one) unit of Repetitive Transcranial Magnetic Stimulation (rTMS) Machine for the department of Psychiatry, Burdwan Medical College & Hospital**

(Submission of Bid through *online*)

<b>Bid Reference No.: WBMSCL/NIT-361/2025</b>	<b>Dated-05.05.2025</b>
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### **AMENDMENT-I II**

## **Revised Technical Specification**

## **of repetitive Trans-cranial Magnetic Stimulator (rTMS)**

**Stimulation Frequency:** 100 Hz

**Coil Types:** Figure-of-eight coils with **active/dynamic** liquid cooling

**Cooling System:** Advanced cooling to prevent overheating during sessions

**Magnetic Field Intensity:** Up to 120% of the motor threshold

**Pulse Width:** 280 microseconds

**Maximum Initial dB/dt:** 25-38 kT/s near the coil surface

**Waveform:** Biphasic sinusoid

**Session Duration:** Approximately 19 minutes per session

**Treatment Schedule:** 5 daily sessions per week for 6 weeks

**Area of Brain Stimulated:** Frontal cortex

**Dimensions:** Varies based on model, typically includes a main unit, cooling unit, and coil holder

**Software:** Flexible software installed on a latest laptop i5, 8GB, 500GB SSD or Windows 10/11 for managing treatment sessions and customizing protocols

**The bidder should submit valid CDSCO Certificate/Registration/License for both the manufacturer(s) and importer(s) as applicable.**