



Government of West Bengal
Office of the Principal
Calcutta National Medical College
32, Gorachand Road, Kolkata-14

Memo No CNMC/STORE/ 14CG/A/P

Date: 5.8.23

NOTICE for inviting QUOTATION

For the supply & installation of ECT Machine

Sealed quotations are invited from bonafied firms for the supply of "ECT MACHINE with Installation" of Quantity Maximum 01 Pc (ONE) with superscription "Quotation for ECT MACHINE with Installation" for the different departments of Calcutta National Medical College, Kolkata so as to reach this office of the Undersigned on or before **12th Aug 2023, Saturday** at the latest. The specifications of the ECT MACHINE has been attached with this Quotation Notice,

Lowest rate will be accepted only. Quoted rate should include the Basic Price, GST & installation charges separately. Updated TRADE LICENSE, PAN Card, GST CERTIFICATE with proprietary signature are necessary for technical evaluation. Other terms & conditions as per Govt. rules should be maintained. Quotation will be valid up to 6 (Six) Months from the date of approval. All quotations will be submitted on or before due date at the receiving section of Calcutta National Medical College. Rate should not be exceeding over MRP. Rate should be quoted with GST as applicable.

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Copy forwarded for Information & necessary actions to:

1. The DDHS(E&S), CMS, Kolkata - 14
2. The Accounts Officer, CNMC
3. The Central Store, CNMC
4. The Store Officer, CNMC
5. Notice Board
6. Official Website of CNMC

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Calcutta National Medical College

Specifications of ECT MACHINE Has Been Attached

GENERIC

Product description	<i>Electroconvulsive therapy (ECT) System</i>
Clinical purpose	<i>For treatment of patients suffering with severe major depression, particularly for its most severe forms: psychotic, melancholic and treatment-resistant depression or bipolar disorder that has not responded to other treatments -</i>
Functional requirements	<i>To produce pulse constant current Bipolar, Electrical charge and display EEG, ECG, EMG, Motor Movement and Electrical Stimulus on coloured monitor and store data in hard disk and print through inkjet printer for review and analysis</i>
System shall include	<i>Main Unit, Software, Accessories and Computer system</i>
Application	<i>Psychiatric treatment therapy procedures</i>

FUNCTIONAL FEATURES

Operation	<i>Auto</i>
Dual operating modes	<i>Brief Pulse mode & Sine Wave mode</i>
Pulse Configuration	<i>Bi-directional Square wave</i>
ECT Voltage (Volts)	<i>50 to 400</i>
Current (mA)	<i>500 to 900</i>
Frequency range (Hz)	<i>10 to 140</i>
Pulse Width in increments of zero point one milli Second	<i>0.1 to 2.0</i>
Stimulus duration (sec)	<i>0.05 to 8</i>
Minimum stimulus power (Joules)	<i>0.3 to 100</i>
Maximum stimulus power (Joules)	<i>188 to 205</i>
Patient impedance (Ohm)	<i>220</i>
Energy delivered according to head impedance	<i>Yes</i>
System has four different stimulus parameter knobs to vary pulse width, frequency, duration & current	<i>Yes</i>
Auto stimulus abort facility available	<i>Yes</i>
Impedance displayed as PASS /FAIL in LCD display as graph by pressing key or putting electrodes	<i>Yes</i>
Optical motion sensor to monitor the movement during seizure by assessing seizure efficacy available	<i>Yes</i>

Capable of monitoring EEG, EMG, ECG, Stimulus and Movement	Yes
Capable to deliver unilateral and bilateral ECT	Yes
Facility for recording EEG available	Yes
Facility for auto or manual heart rate measurement available	Yes
Audio/visual signal prior & after ECT available	Yes
Automatic calculation of convulsion	Yes
Facility to monitor real time dynamic impedance during procedure & also static impedance	Yes
4Channel ECG, 1Channel EEG, 1 Channel Optical Motion Sensor display	Yes
EEG, ECG, EMG MONITORING	
Sensitivity (mv)	20
Sampling Rate (Hz)	256
Low-pass frequency (Hz)	0.1 to 10
High-pass frequency (Hz)	0.1 to 100
Notch (Hz)	50
Sweep Speed (mm/sec)	25
CMRR (db)	80
Onsite Comprehensive Warranty	1 Year