



Notice Inviting e-Tender

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Procurement, supply and installation of different medical equipment for the Department of Neuro Surgery, Anamoy SSWH, Burdwan MCH in the Hospital and Medical College of the Government of West Bengal
(Submission of Bid through online)

Bid Reference No.: WBMSCL/NIT-898/2025

Dated-07.11.2025

The following amendment have been made in the tender document,

Amendment –I (Revision of Technical Specification)

The revised technical specifications for the item is given below,

High Frequency RF enabled coagulation unit with controlled irrigation system (Diathermy)

- The generator should be a Microprocessor Controlled Electrosurgical Unit specially designed to deliver output power dedicated for Neurosurgeries
- Unit should have Over-Current protection with indicator in the generator (preferably with bright display)
- Unit should be a bipolar output generator. Monopolar feature is optional and with both "Cut-Bipolar" and "Coag-Bipolar" features.
- The generator should not be connected to any sort of patient return electrode (A true Bipolar generator does not require Patient plate)
- Unit should generate isolated Bipolar Output to avoid any sort of leakage current to flow through patient.
- Bipolar Cut and Coagulation should be activated via "Yellow" and "Blue" coloured dual pedal footswitches for activating "Cut" and "Coagulation" Respectively.
- Microprocessor should monitor the output current real time basis and decrease the current in case the output-current is higher or Cut-off output in case it is beyond the desired range.
- Auto adjust feature in terms of Output should be available.

- Output duty cycle should be 33.33% at maximum output power.
- Sealing performance should be satisfactory.
- The Generator should have a specialized waveform capable of reducing charring.
- Error Alarms for the following must be available: Sound Controller, Relay Monitoring & malfunction & Over Current in Output.
- Coagulation Output must be higher than or equal to 1MHz damped Aperiodic for smooth coagulation with minimum charring.
- Cut output should be higher than or equal to 1MHz Sinusoidal
- Maximum available Bipolar Cut power should be at least 80 watt or more.
- Maximum available bipolar Coagulation power should be at least 75 watts or more
- Generator should have no or least Radiofrequency emission so that no other equipment present in operation room suffers from interference.
- The generator should meet all product safety compliances like
 - ANSI/AAMI ES60601-1: 2005, EN 60601-1:2006, CAN/CSA-C22.2 No. 601-1-08
 - Medical Electrical Equipment General Requirement for Safety and Essential Performance
 - IEC 60601-2-2: 2009, Particular Standards for the Safety of High Frequency Surgical Equipment
 - EN60601-1-2: 2009, Electromagnetic Compatibility-Requirements and Tests
- The System should come with a technology that reduces thermal damage.
- The generator should have manual or touch screen to display the actual power being delivered and fully operable from the same manual or touch screen.
- It should be programmable as per surgeon's preference.
- It should have a function for controlling brightness, alarms and Tone volume.
- Easy output power adjustment should be available.
- Should work with Main voltage 220-240 V AC, 50-60 Hz
- Should have auto bipolar mode with auto start/stop capability.
- Non-stick Bipolar Forceps to be supplied with following descriptions.
 - i. Fixed Tip Metal should be a heavy-duty metal to avoid damage to the quality of tip due to regular usage.
 - ii. Hollow tine design for irrigating forceps
 - iii. To be supplied with reusable bipolar cord 3 nos.
 - iv. Non-Stick Silver/Gold tip Bipolar non-irrigating bayonet forceps with guide stop to prevent scissoring effect, 24-25 cm with a tip diameter of 0.7mm -1 No
 - v. Non-Stick Silver/Gold tip Bipolar irrigating bayonet forceps with guide stop to prevent scissoring effect, 19-20 cm with a tip diameter of 0.7 mm -1 No
 - vi. Non-Stick Silver/Gold tip Bipolar non-irrigating bayonet forceps with guide stop to prevent scissoring effect, 19-20 cm with a tip diameter of 0.4 mm -1 No

The system should be supplied with a cart from the **reputed** manufacturer. The cart should have the following:

1. IV Hanger, IV pole, Mounting bracket to mount the irrigation system, Shelf (minimum 2), Equipment strap, cord wrap, cord strap, Hanger bracket, drawer, drawer lock & wheel lock (4 nos.)
2. Overall height should be minimum 180 cm to ensure proper irrigation flow.
3. IV pole should have a load strength of 2000 ml of saline
4. The cart should be easily movable & should have minimum weight of 34 kgs to ensure stability.

- **Certification:** Valid CDSCO Certificate License for the manufacturer(s) & Registration Certificate from CDSCO for the importer(s) as applicable.