

# Notice Inviting e-Tender

# West Bengal Medical Services Corporation Limited Swasthya Sathi GN-29, Salt Lake, Sector-V Kolkata-700091

Phone No (033) 40340307/320 E mail: procurement@wbmsc.gov.in

Procurement, supply and installation of Ultrasonic Cutting & Coagulation in the Hospital and Medical College of the Government of West Bengal

(Submission of Bid through online)

Bid Reference No.: WBMSCL/NIT-897/2025 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,

# Ultrasonic Cutting and Coagulating Device with Advance Bipolar Vessel Sealing System

- System should have a universal single generator to connect Ultrasonic energy and Advanced RF (advance bipolar) energy instruments.
- Ultrasonic and bipolar energy in the system must work separately and at no point in combination to prevent patient exposure to electric current while using ultrasonic current.
- Ultrasonic energy should be capable of sealing 7mm blood vessel
- RF energy should be capable of sealing 7mm blood vessel.
- System should have automatic instrument recognition.
- System should have a touch screen display for fast and setup, operation and on-screen diagnostics.
- System should have a high-resolution display with wide viewing angles.
- System should have the ability for software updates via USB memory stick.
- System should be a single generator that provides Ultrasonic energy and Advanced RF energy technology for soft tissue dissection and vessel sealing as well as jymphatic sealing capability.
- System should provide Class 1 protection against electric shock

- System should have a single foots witch for operating ultrasonic energy or advanced RF energy instruments
- System should have the ability to select hand switch or footswitch activation or both for Ultrasonic and advanced RF energy instruments and the ability to change selection during use
- System should not have minimal lateral thermal spread more than 1mm.
- System should come equipped with system diagnostics and troubleshooting guide to pin point any problems in the systems.
- System should have on screen warning display system for generator overheating, generator software upgrade, hand piece errors and instrument errors
- System should be able to power ultrasonic energy instruments with 47 to 60 KHz frequency and have the ability-to power ultrasonic energy instruments through 30 to 100 micron of displacement.
- The hand piece for the system should come with an inbuilt transducer.
- System should be compatible for open surgery and for laparoscopic surgery.
- System should be compatible with both 5mm and 10mm instruments.
- System should have different power settings levels with power level display for ultrasonic energy instruments.
- System should be able to power energy instruments with microprocessor controlled bipolar electrosurgical radiofrequency technology.
- System should be equipped with smart advanced RF energy technology to measure the tissue impedance and control the power delivery.
- System should be equipped with advanced RF energy technology that can simultaneously seal and transect vessels up to and including 7mm, large tissue pedicles and vascular bundles.
- System should be equipped with advanced RF energy technology that provides temperature controlled energy delivery and temperature should not exceed 100°C.
- System should have Advanced RF Energy hand instruments with technology to deliver high compression uniformly across seal area.
- System should have Advanced RF Energy hand instruments that provide tissue / vessel seal strength to withstand bursting pressure of 7 times the systolic pressure.
- All hand probes for open and lap procedures should be able to simultaneously cut and coagulate tissues.
- System should be able to power advanced RF energy hand instruments of 5mm shaft diameter for both open & laparoscopic procedures and should be both hand & foot activated.
- Systems should be able to power ultrasonic and advance bipolar energy for both open & laparoscopic procedures and comprised of following:
- System should comprise of the following

### Hardware:

- 1. Generator
- 2. Generator Cart
- 3. Footswitch & Cable

#### Accessories:

- 1. Hand piece for Laparoscopic surgery
- 2. Light weight hand piece for open surgery
- 3. Transducer cleaning device

# Open Surgery Instruments (Ultrasonic cutting and coagulation device):

- 1. 9cm shaft, curved, tapered tip for precise dissection, seals 5 mm vessels, as well as lymphatic with 16 mm active blade & 240-degree activation, triggers support multiple hand positions.
- 2. 17cm shaft, curved, tapered tip for precise dissection, seals 5 mm vessels, as well as lymphatic with 16 mm active blade & 240-degree activation, triggers support multiple hand positions.

## Open Surgery Instruments (Bipolar advance vessel sealing device):

1. Hand probes with 5mm shaft diameter, 25cm long with 5mm tip width.

## Laparoscopic Surgery Instruments (Ultrasonic cutting and coagulation device):

- 1. 5mm Lap Hand Activated Curved Coagulating Shears capable of sealing blood vessels upto 5mm in diameter, 36 cm shaft length, ergonomic handle.
- 2. 5mm Lap Hand Activated Curved Coagulating Shears capable of sealing blood vessels upto 7mm in diameter, 36 cm shaft length with inbuilt transducer within the Shears.

## Laparoscopic surgery instrument (Bipolar advance vessel sealing device):

1. Articulating / Non Articulating Laparoscopic probe probes with 5mm shaft diameter, 35cm long with 5mm tip width, Probe should have ability to rotate 360° and articulate 45° to 50° both sides.

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