



Notice Inviting e-Tender

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Procurement, supply and installation of Advanced Electro Surgical unit with Vessel Fusion (Diathermy Machine High END) in the Hospital and Medical College of the Government of West Bengal
(Submission of Bid through *online*)

Bid Reference No.: WBMSCL/NIT-618/2025

Dated-17.07.2025

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,

Advanced Electro Surgical Unit with Vessel Fusion (Diathermy)

1. An integrated system with 300W output generator and a single touch screen for Monopolar, Bi-Polar and Vessel Fusion integrated in one generator.
2. The system must be micro-processor controlled which should identify the tissue type with a feedback of at least 430000 times/second on real time basis, and adjust the power to get the desired surgical effect on the tissue.
3. System should have 2 monopolar output, 1 Bipolar output and 1 Vessel Sealing output.
4. The Monopolar output must have Cut, Blend, "Haemostasis with division (HWD)", Soft Coag, Fulgurate and Spray mode.
5. The Bi-Polar must have Precise, Standard and Macro mode with Auto Bi-Polar control.
6. System should have separate monopolar, bipolar & Vessel Sealing foot pedal.
7. The system should have one different Vessel Fusion output which should be able to seal artery, veins along with tissue bundle up to and including 7mm in diameter, and fused vessels should be able to with stand more than 3 times of normal systolic blood pressure.

8. The Vessel seal system should be of minimum of 300W at a rated load of 20 ohms
9. The vessel sealing system should have simple audio visual feedback display from the generator. This should include:
10. System should have System Error Indicator
11. System should have System status indicators such as Self test, ready for use, ready for sealing/seal cycle complete, sealing in process
12. Seal cycle incomplete alert
13. System should have usage limit indicator
14. System should have instruments status indicator.
15. The vessel sealing system should support open and laparoscopic hand instruments
16. The vessel sealing hand instruments should have cutting independent of sealing
17. There should be an option of enabling or disabling the footswitches
18. Vessel sealing system should read with alarm indication even if sealing is not completed
19. Surgeon should have the facility to control the power from the sterile zone with a sliding control 3-button hand switching device
20. The system should have demo mode facility and recall facility to recall the last setting used by user.
21. System should have bipolar resection with saline facility in-built in the integrated in main unit software without any interfacing cable.
22. System should be compatible of REM polyhesive contact quality monitoring system
23. System should have audio-visual alarm facility, to indicate any breakage of direct contact between the patient and patient plate.
24. All open surgery including head and neck and thyroid can be precisely controlled with very less thermal spread by using sealing technique
25. Integrated seal with choice of cut of 10 mm & 5 mm should be there
26. System should have 5 mm vessel sealing instrument with Blunt tip & Maryland Jaw for dissection and faster procedure.
27. Both Footswitch and hand control mode should be available
28. System should be Compatible with Argon Coagulator and smoke evacuator
29. Argon machine should be compatible with any diathermy machine
30. The system should be upgradable and should have RS232, USB, Ethernet port for on field software downloads, upgrades and serviceability.
31. Monopolar, Bipolar & Vessel sealing footswitch
32. Three Button Hand switching pencils - 10 no's
33. Contact quality monitoring return electrode - 10 no's
34. Bayonet Bipolar forceps with cord - 1 no's each
35. Universal adaptor - 1 no.
36. Open 5mm or more seal and cut instrument with hand switch activation capability should provide with the system -1 no's each
37. The bidder/OEM should have valid CDSCO Certificate / Registration / License for both the manufacturer(s) and importer(s) as applicable.
38. Suitable trolley for the diathermy machine.