

No. Ext 1278/MCH/SHAKEB

Dated 12/3/2018

M/s.....

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Sealed Quotations/Bids (One Technical and One Financial separately) are invited from manufacturers or their authorized dealers for the following Item which should be sealed by the tenderers in separate covers duly super scribed and both these sealed covers are to be put in a bigger cover, which should also be sealed and duly super scribed, on the terms and conditions mentioned on Page No.2

Quotations should reach this office on or before 26.03.2018 by 3:00 P.M.

**SPECIFICATIONS FOR ADVANCED ELECTRO SURGICAL UNIT with VESSEL FUSION**

- An integrated system with 300W output generator and touch screens for Monopolar, Bi-Polar and Vessel Fusion integrated in one generator.
- The system is micro-processor controlled which should identify the tissue type with a feedback of at least 3300 times/second on real time basis, and adjust the power to get the desired surgical effect on the tissue.
- Highest power efficiency rating (PER) – have to be within the range 99%-100%
- System has 2 monopolar output, 1 Bipolar output, 1 endoscopic monopolar output and 2 Vessel Sealing output.
- The Monopolar output have Cut, Blend, “Hemostasis with division (HWD)”, Fulgurate and Spray mode.
- The Bi-Polar have Low, Standard and Macro mode with Auto Bi-Polar control.
- System has separate monopolar, bipolar & Vessel Sealing foot pedal.
- The system has two different Vessel Fusion outputs which should be able to seal artery, veins along with tissue bundle up to 7mm, and fused vessels should be able to withstand more than 3 times of normal systolic blood pressure.
- The Vessel seal system has minimum of 150W with bar control power setting facility.
- Surgeon has the facility to control the power from the sterile zone with a sliding control 3- button hand switching device.
- The system has demo mode facility and recall facility to recall the last setting used by user.
- The system has six combination of cutting and coagulation settings
- System is compatible of REM polyhesive contact quality monitoring
- System has audio-visual alarm facility, to indicate any breakage of direct contact between the patient and patient plate.
- All open surgery including head and neck and thyroid can be precisely controlled with very less thermal spread by using sealing technique.
- Integrated seal with choice of cut of 10 mm and 5 mm should be there.
- System should have 5 mm vessel sealing electrical instrument with Blunt tip for dissection and faster procedure.
- Both Footswitch and hand control mode should be available.
- System should have both repo sable open surgical instruments for Vessel Sealing purposes.
- System should be Compatible with Argon Coagulator.
- System should be US FDA approved.
- The system should be upgradable and has RS232, USB, Ethernet port for on field software downloads, upgrades and serviceability.
- The system should be compatible with argon machine & smoke evacuation system.
- Monopolar/Bipolar/Vessel sealing footswitch.
- Three Button Hand switching pencils
- Contact quality monitoring return electrode
- Bayonet Bipolar forceps with cord
- Universal adaptor-1no.
- Open & laparoscopic 10mm and 5mm seal and cut instrument with hand switch activation capability should provide with the system -1no each.
- 36mm jaw length, 180 degree rotatable instrument with curved blade for large volume tissue
- 5mm multifunctional laparoscopic device for tissue fusion and dissection
- System should have automatic selection depends upon accessories connected to the machine.
- System should have Ligasure output bar selection automatically depends on the Instrument connected to the port.
- System should have independent display for Monopolar, Bipolar & Ligasure..
- System should have Bipolar auto tone Mute ON/OFF
- Deactivation Impedence (Auto Bipolar) should be user selectable
- System should have enabling & disabling Monopolar foot switching features..
- Bipolar RF leakage should less than 60ma with maximum output
- Monopolar RF Leakage current less than 150ma with maximum output

Medical Superintendent  
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