



## Notice Inviting e-Tender

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Supply and Commissioning of Medical equipment for the Department of Urology at R.G.Kar MCH  
(Submission of Bid through *online*)

Bid Reference No.: WBMSCL/NIT-206/2022

Dated-19.05.2022

## Amendment -II

### REVISED TECHNICAL SPECIFICATION

#### Schedule– VII

### Electro Surgery machine with Monopolar/Biopolar Diathermy, underwater cutting/saline resection and Vessel Sealing capability

#### **Specifications:**

- HF electrosurgical device for urologic procedures (open/endoscopic/laparoscopic).
- Should have 6-9" TFT LCD touch screen (capacitive) with safety glass protection.
- 300 procedures storable with text and parameters.
- 20 or more pre-programmed procedures, upgradable by software.
- USB and RJ45 service port for software update and extension of HF functionalities
- Equipped with 2 monopolar and 2 bipolar HF-outlets.
- Feature of an integrated mode BiVascularSafe for permanent sealing of arteries, veins and tissue bundles.
- CF outlets for highest patient and user safety
- Continuous monitoring of the neutral electrode during monopolar application.
- 02 footswitches connectable.

- Toggle function between two sockets from sterile field by footswitch.
- Toggle function between modes/settings within one socket from sterile field by footswitch.
- HF activation possible by hand buttons or by footswitch.
- Self-test of all relevant parameters and functionalities for highest patient and user safety.
- Easy device handling thanks to logical arrangement and colour design of operational elements.

### **Technical Data:**

- Line Voltage: 220-240VAC. 50/60 Hz
- Max. Power Consumption: 1150 VA 1700W.
- Type: IEC 60601-1, CE acc. to MOD
- Protection class IICF, medical device of class IIb
- Further properties and safety systems:
- Implemented voltage control and arc control modes.
- BIVascular Safe for permanent sealing of veins, arteries and tissue bundles. Castro-Cut Mode.
- Resection C-Cut / under water – Cut - the intermittent cut-coagulation modes.
- Cutting modes should be Mono-polar and Bi-polar under saline resection.
- Vessel ceiling should be up to 7 mm capacity.
- Safety Systems: Automatic self-test of the unit: Output error; Neutral electrode monitoring EASY-System (dynamic and dual, single- and dual surface NE); Neonatal Mode (with limitation of the generator to 50 Watt unipolar); LF/HF leakage current monitoring; Activation time: Disengageable HF activation.
- Unipolar generator with maximum 400 Watt HF power.
- Precise power setting and partial limitation in 1 Watt steps. Up to 9 hemostat IS effects for unipolar cut.
- Bipolar generator with maximum 400 Watt HF power.
- Bipolar Auto-Start function.
- Mode for use of bipolar MIS (LAP) instruments.
- Equipment **European CE (4 Digit Notified body) & USFDA** certified.

### **Consisting of:**

- HF-electrosurgical device.
- Power cord
- Three pedal Footswitch
- Reusable patient plate-5 nos.
- Mono-polar and Bi-polar hand switch- 05 nos. each.
- Laparoscopic Hand Instrument required for vessel sealing (It should be compatible with the system)– 25 nos.
- **All Quoted Goods should be of same Make/ Same manufacturer.**