



All India Institute of Medical Sciences Jodhpur

Admn//Prop/07/2016-AIIMS.JDH

Dated: - 12th August 2016.

Subject: Upgradation of USG-400 (Sonicbeat) to High Frequency Advance Electrosurgical Unit for the department of General Surgery at AIIMS, Jodhpur on proprietary basis- **Inviting comments thereon.**

The Institute is in the process to Upgradation of USG-400 (Sonicbeat) to High Frequency Advance Electrosurgical Unit for the department of General Surgery at AIIMS, Jodhpur from M/s Olympus Medical System Corp., Japan on proprietary basis. The proposal submitted by M/s Healthware Private Limited, 35/14, Ground Floor, East Patel Nagar, New Delhi- 110008, India and PAC certification by user are attached.

The above document are being uploaded for open information to submit subjection, comments, if any from any manufacturer regarding proprietary nature of the equipment within **15days** of issue giving reference Admn/Prop/07/2016-AIIMS.JDH. The comments should be received by office of **Administrative Officer, Medical College at AIIMS, Jodhpur** on or before 26th August 2016 upto 03:00 PM failing which it will be presumed that any other vendor is having no comment to offer and case will be decided on merits.

Yours faithfully,

Administrative Officer

Enclosed: Related documents enclosed.



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Technical Specification for High Frequency Advance Electrosurgical unit

Microprocessor Controlled High Frequency Advance Electrosurgical Unit:

Should have following specifications:

- 1) Should be Compatible with Existing Ultrasonic Generator USG -400.
- 2) Operational compatibility for all Lap/Gyn/Uro/Open Surgery
- 3) Should have boot time not more than 6 Sec
- 4) Should have built-in regulated fan
- 5) Should have LCD and Touch Screen user Interface
- 6) Should have memory function with characters
- 7) Should have 4000 times feedback control cycle per second
- 8) Should have Fast Spark Monitor ensures smooth and reproducible cutting in varying tissue (e.g., muscle & fat)
- 9) Should have Automatic Saline Detection mode
- 10) Should be supplied with Disposable patient plates etc.
- 11) Upgradable System should have Rapid Dissection and Reliable Hemostasis up to 7mm Vessels in a Single Instrument.
- 12) Instrument recognition and automatic application of default settings for ease of use.
- 13) Provision for Automatic mist and smoke evacuation to maintain a clear laparoscopic view reducing delays associated with compromised visualization when combined with Co2 Gas Insufflator.
- 14) HF Unit should have operational compatibility for all Lap / Gyn / Uro / GI / Open Surgery and should have minimum 16 Monopolar & Bipolar modes to cover all OR requirements, boot time not more than 6 Sec, 4000 times feedback control cycle per second.
- 15) LCD and Touch Screen user Interface
- 16) HF unit should have Fast Spark Monitor ensures smooth and reproducible cutting in varying tissue (e.g., muscle & fat).
- 17) High Frequency device should have CF type Protection against electric shock
- 18) Device should have dedicated Seal and Seal & Cut mode by hand activation as well as foot switch without exchanging the instruments.
- 19) Device should have best in class versatility, upto and including 7 mm vessel sealing capability, Fast cutting speed, Fine and easy dissection. Haemostatic seal mode, Optimized grasping etc for getting less instrument usage & exchange, uninterrupted operation flow and reduced OR time.

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- 20) The device should be FDA approved and CE certified.
21) Should be Compatible with Existing Ultrasonic Generator & upgradable to a Vessel Sealer Upto 7mm.
22) Should have minimum 16 output modes.

a. Monopolar Cut Modes :

- b. PureCut for continuous cutting
- c. BlendCut for Continuous cutting with Coagulation
- d. PulseCut Slow for Intermittent cutting with long coagulation
- e. PulseCut Fast for Intermittent cutting with short coagulation

f. Monopolar Coagulation Modes :

- g. SoftCoag for Soft and deep coagulation
- h. PowerCoag for Fast coagulation and dissection
- i. ForcedCoag for Fast coagulation
- j. SprayCoag for Contact-free superficial coagulation

k. Bipolar Cut Modes :

- l. BipolarCut for Continuous cutting
- m. SalineCut for Continuous cutting in saline

n. Bipolar Coagulation Modes :

- o. BiSoftCoag for Soft coagulation (+/- Autostart)
- p. AutoCoag for Soft coagulation with Autostop
- q. SalineCoag for Coagulation in saline
- r. HardCoag for Clamp coagulation with Autostop
- s. FineCoag for Fine coagulation
- t. RFCoag for Deep (tumor) ablation with Autostop

23) Device should be supplied with following instrumentations:

- a) Advanced HF Generator with Foot Switch.
- b) Communication Cables
- c) Autoclavable Transducer with cable (1 pcs)
- d) Hand piece probes for lap 5mm 35cm (2pcs)
- e) Hand Piece probes for open surgery 5 mm 20cm (2pcs)

* Should quote prices for all the above accessories.

- 1) Auto clavable Transducer & cable
- 2) Hand piece probes for lap 5mm 35cm.
- 3) Hand piece probe for open surgery 5mm 20cm

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