



शासकीय वैद्यकीय महाविद्यालय व रुग्णालय, चंद्रपूर

Government Medical College & Hospital Chandrapur
Govt. T.B. Hospital Campus, Ramnagar, Chandrapur 442402 M.S.
Telephone No. 07172- 277103, 277106, 252522 Website : www.gmchandrapur.org Email : gmchandrapur@gmail.com

NO.GMC&HC/CENTRAL STORE/Electro Surgical Unit/ 4004 /24

Dt. 10 /06/ 2024

Open Quotation Notice (Website) For the supply of Microcontroller based Digital Electrosurgical Unit

Dean, Govt. Medical College & Hospital, Chandrapur invites open quotation for the supply of **Microcontroller based digital Electrosurgical unit** Government Medical College & Hospital, Chandrapur from Manufacturer/Dealers. Detail list & specification is enclosed. Interested supplier/Manufacturer/dealer can send their quotation with their authorization certificate attach with this quotation.

Quotation should be sent in sealed envelope (duly sealed by selling wax) by post or hand delivery so as to reach this office on or **before 21 / 06 /2024 upto 5.30 pm**
Date & timing of the opening of quotation, **24 / 06 /2024** at 04:00 pm. at College Council Hall.
Representative of the supplier may attend the meeting by submitting authorisation letter.


1. The word "**Quotation for Microcontroller based digital Electrosurgical unit**" last **Date. 21 / 06/2024** should be clearly written on cover.
2. Quotation, which received late, will not be accepted under any circumstances.
3. Rate should be for free delivery at Govt. Medical College& Hospital, Chandrapur premises only. Rate should be quoted including all charges. Rates must be quote on letter head along with Pan & GST Number.
(Certificate must be attached herewith and Gumastha Certificate including Shop Registration must be attached)
4. Quoted goods should be strictly accordingly to the specification mentioned in the list. Make Model of items should be specifically stated in quotation and catalogue/leaflets etc. should be submit along with the quotation.
5. Catalogue/Leaflet is must along with quotation received and the price of the same will be considered on leaflets/catalogue.
6. The concern head of the department can ask for demo of the lowest price model and it will be binding for the supplier to give the demo in stipulated period (i.e. within 4 days) at Chandrapur. If the supplier fails to give the demonstration of the same model in stipulated period then his quotation will be treated as cancelled.
7. After placing the order to lowest one, the order will have to execute in full within the stipulated time. If the supplier fails to comply, within stipulated period order may be cancelled and he will be declared defaulter and his any offer will not be consider in future.

8. The undersigned reserved the rights to accept or reject any or all quotation without giving any reason.
9. The quotation should be sent in the name of the **Dean, Govt. Medical College & Hospital, Chandrapur.**
10. Payment of the order goods will be made by CMP. For the CMP purpose (unregistered) supplier should submit copy of PAN card, cancelled cheque, one photograph & bank details.
11. The supplier should deliver the Equipment in the Surgery department of the institution.

Microcontroller based Digital Electrosurgical Unit

Sr. No.	Equipment Name	Per Qty.	Price Per Equipment (Including GST%)
1	Microcontroller based digital Electrosurgical unit	1 Nos	
Technical Specification as per <u>Annexure 'A'</u>			

Attached :- Annexure 'A'



Dean
Govt. Medical College & Hospital
Chandrapur

TECHNICAL SPECIFICATIONS

General Features

- Feather Touch Membrane keyboard for Power, Mode, Program and Foot switch selection etc. for easy operation of Machine
- Monopolar outputs can be activated via Hand switch and Foot switch
- Isolated Monopolar & Bipolar outputs
- Individual Digital display for Program, Bipolar, Monopolar Cut and Monopolar Coag
- Using Alan's 3 pedal footswitch Monopolar and Bipolar can be operated without changing any setting in the machine
- Simultaneous coagulation for 2 surgeons by footswitch / handswitch combination
- The unit should have 3pedal foot switch , explosion proof / water proof Foot Switch
- Multiple Microcontrollers supervision Automatic Diagnosis enables Instant power response against tissue density & impedance variation and Adjust power.
- Restoration of Previous activated Power Settings
- Reduced R.F distortion due to noiseless performance.
- Built with Return Electrode / Patient Plate Monitoring System (PPCM), monitors Split and Non Split type patient plates and deactivates output power with audiovisual alarm during improper contact between patient plate with patient to eliminate the risk of patient burns.
- Audio visual indications for all outputs.
- Well suited for under water, (TURP) Micro and Major Surgeries
- Auto stop coagulation in Bipolar
- Auto start, coagulation in Bipolar*
- User Settable Auto start delay *
- User settable maximum RF activation Timeout limit
- Built In stabilizer
- Works on Generator, Inverter & UPS
- Maximum power Output 400 Watts
- Upgradable to Argon beam coagulator *

* Optional Feature

- Specifications are subject to change due to continual Development & upgradation.
- ESU is Also Popularly Known as E. S. Diathermy & E.S. Cautery.

+ Clinical Benefits

MONOPOLAR :-

- Pure-Cut : Monopolar Cut mode for underwater (TURP) and general surgeries.
- Low-Cut : Mode specifically tailored for Laparoscopy.
- Blend : Cutting with coagulation effect.
- Endocut : Special mode for Polypectomy & Papillectomy
- Spray : Impulse modulated sinuous waveform for non-contact coagulation and (TURP) underwater procedures.
- Fulgurate / Force : A low spray waveform suitable for non-contact coagulation on oozing surfaces and (TURP) underwater coagulation
- Desiccate : Standard coagulation mode.
- Soft : Low Voltage coagulation mode for Delicate tissues

BIPOLAR :-

- Cut /Standard : Best coagulation mode when used with grasps. Specially designed mode for bipolar scissors.
- Force/Macro : Faster Bipolar coagulation
- Micro/Precise : Coagulation mode for delicate tissues with less thermal spread.
- Auto Stop : Auto stop Coagulation delicate tissues.
- Auto Start : Auto start Coagulation in bipolar mode*

Input Supply

Input Supply	: 230VAC \pm 20% 50 Hz
Power Consumption	: 750VA Max.
Loading Duty Factor	: 10Sec (Active) / 30Sec (Pause)
Input Fuse	: 5A T
Output Control	: Digital Display, Push buttons in all Modes.

Safety Standards

Basic Construction	: Accordance with IEC 60601 - 1, IEC 60601 - 1 - 2 & IEC 60601 - 2 - 2
Protection Class	: 1
Unit Type	: CF
All Outputs	: Floating Outputs
Electrical Potential Balancing	: Connecting Pin and Indicated by Symbol.
Weight	: 4.2 Kg.
Size (In mm)	: 310(W) x 150(H) x 350(D)


Head
Department of General Surgery,
Govt. Medical College,
Chandrapur.