

SPECIFICATION OF SURGICAL WORK STATION WITH WATER JET

- **An integrated RF Electro Surgical Unit** (For electrosurgical Cut & Coagulation modes for the optimum effect of HF surgery)
- **Vessel Sealer** (For thermo fusion/sealing& dissection of vessels & tissues structures,during open and laparoscopic surgeries)
- **Argon plasma coagulation unit** (For homeostasis of bleeding tissues & devitalization of pathological tissues & stops bleeding, non-contact technology for coagulation)
- **Water Jet Technology**(Hybrid technology for elevation & separation of tissue layers with minimal bleeding, Parenchyma can be dissected and Vessels & nerves prepared)
- **High-End Suction Module:** (For permitting good visibility of target surgical site automatically).
- **Automatic Smoke Evacuation Unit-** (Optional), price to be quoted separately.
- **Mobile Trolley:** Imported mobile trolley with locking castors, In build provision of - Argon Gas cylinder, Electro Surgical Unit, Vessel Sealer, APC Unit, Water jet Unit, and High-End Suction

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| | <ul style="list-style-type: none"> • An integrated RF Electro Surgical Unit (For electrosurgical Cut & Coagulation modes for the optimum effect of HF surgery) • Vessel Sealer (For thermo fusion/sealing& dissection of vessels & tissues structures,during open and laparoscopic surgeries) |
| A | The equipment should be micro-controlled based & should adjust the power to get the desired surgical effect on the tissue. All settings should be controlled by the machine and according to the tissue delivery. Power should be displayed on the screen with a graphing facility to show the delivered power. |
| B | Diathermy machine should be microprocessor controlled, US-FDA / European Certificate marked in accordance with the medical device's directive (93/42/EEC) 04 digit, minimum 40 installation base in the northern part of India with regional after-sales service center of the principal company in the north region for uptime guarantee. |
| C | Should have 8 cutting and more than 8 coagulation modes, namely Auto cut, High cut, Dry cut, Bipolar cut, and Bipolar Resection cut (saline). Coagulation modes should have – Soft Coagulation, Swift Coagulation, Forced Coagulation, Spray coagulation, Bipolar soft coagulation, Bipolar forced coagulation, Bipolar Resection coagulation (Saline), Twin coagulation, Biclamp –Bipolar Thermo fusion and precise coagulation. |
| D | The system should have Monopolar Cut & Coagulation Mode, two Bipolar Modes with auto bipolar start & stop and Vessel fusion technology all integrated into one system. |
| E | Should have Power and Voltage automatic regulation feature to prevent tissue damage and charring. The output voltage should be regulated at various levels. |


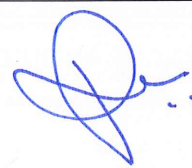

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| F | The System should have LCD Backlight adjustment for good visibility in the operating room, patient plate monitoring facility, audiovisual alarm, and deactivate output if contact between the patient and the patient plate is not proper to eliminate the risk of patient burns. |
| G | Special bipolar mode for coagulation of vascular tissue (Thermo 8fusion) up to 7 mm with reusable hand instrument for open as well laparoscopic surgeries. |
| H | Vessel sealing and cutting simultaneously. |
| I | The unit should be 510 K approval for a 7mm Vessel. |
| <ul style="list-style-type: none"> • Argon plasma coagulation unit (For homeostasis of bleeding tissues & devitalization of pathological tissues & stops bleeding, non-contact technology for coagulation) | |
| A | For management of bleeding and devitalization of tissue abnormalities achieved by optimal coordination with RF generator |
| B | The Argon Plasma Coagulation system should have automatic parameters set for various types of instruments and automatic depth-controlled plasma regulation. |
| C | Should have three different APC modes suitable for different indications |
| D | Precise APC – adjustment made using the effect settings |
| E | Pulsed APC – adjustment made using the parameter power settings |
| F | Forced APC – adjustment made using the parameter power settings |
| G | Should have Adjustable argon flow rate from 0.1L/min to 8L/ min in steps of 0.1 L /min with automatic regulation of selected flow rate. |
| H | Should the facility use Argon plasma coagulation and monopolar coagulation simultaneously? |
| I | Should have automatic monitoring of flow rate and Argon supply and auto purge facility. It should have the facility to connect with the central gas supply. |
| J | Should give a visual display of argon gas bottle content and should give an Acoustic alarm when bottle content reaches a minimum. |
| K | Should have facility for activation of the unit by foot pedal of the Electro Surgical unit. |
| L | Should have the facility to use in double-balloon endoscopy procedures. |
| M | Should have facility for Argon supported cutting and coagulation. |
| <ul style="list-style-type: none"> • Water Jet Technology(Hybrid technology for elevation & separation of tissue layers with minimal bleeding, Parenchyma can be dissected and Vessels & nerves prepared) • High-End Suction Module: (For permitting good visibility of target surgical site automatically). | |
| A | For management of separating the different tissue types with their varying elasticity and firmness with the help of adjusted water pressure based on the kinetic energy principle. |

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1. All accessories should be from the same Original Equipment Manufacturer for the main unit.
2. Instruments must be ISO certified and a copy should be enclosed. (The ISO Certificate must be issued by any organization accredited by the Bureau of Indian Standard or accredited by the international accrediting forum "IAF" (Certificate to be attached).
3. Should be USA FDA and European CE be approved by 4 digits notified body.
4. Other necessary certifications if any required will be provided by the bidder for the smooth functioning of the machine.
5. Installation process should be performed by O.E.M trained service engineers/ service representatives on OEM letterhead or Service Report within 15 days of supply, with the mandatory provision of providing preventive services visit of OEM trained Service Engineer/ Service Representative quarterly per year till the completion of warranty period (i.e., 20 visits for the first 05 years) & further quarterly visits (04 visits/year) year till the completion of CMC period.
6. The equipment should have a Brand name/ Model Number embossed/etched on the equipment.
7. All the technical specifications in the compliance statement must be supported by Original Literature from the firm/ O.E.M with highlighting Numbering & flagging of all technical certificates.
8. Offered Equipment should have a strong Government Installation base.
9. Offered Equipment should have a Regional Sales Service Centre of the Original Equipment Manufacturer in the region for a 95 % uptime guarantee.
10. For the offered main unit, the essential, optional required consumables'/accessories' shelf life should be declared on the Original Equipment Manufacturer's letterhead.
11. In case of technical snag/failure/breakdown the response time for the inspection should be within 24 hours and repair within 05 days otherwise provide a service machine/ alternate arrangement to be made till the period of recovery of the breakdown of the unit, failing which attracts penal action as per the decision of institute/ hospital.
12. For offered equipment the Training of technical staff and users should be performed by Original Equipment Manufacturer trained Service Engineers at the proper designated place- at bidders' cost.
13. Company should quote their latest model and need to provide an affidavit for the same.

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14. As a tendering process the Demonstration of the offered Equipment is Mandatory at hospital/institute premises or other designated places at the bidder's cost.
15. The bidder must comply with the General Financial Rules and their modifications if any issued by the Government of India- 2017.
16. Any bidder from a country that shares a land border with India will be eligible to bid in the tender only if the bidder is registered with the Competent Authority (i.e., Registration certificate issued by the Ministry of Commerce and Industry (Department for Promotion of Industry and Internal Trade- DPIIT after October 2020). If any such bidder is not registered with DPIIT they will be liable for technical disqualification.
17. Principal (OEM) must authorize only one agent to be quoted in the bid otherwise multiple quotes through different agents in the same bid will be canceled.
18. The Bidder and its OEM both have to submit a notarized affidavit on the Indian Non-Judicial Stamp Paper of Rs.100/- that the bidder has not quoted the price higher than the current financial year and last financial year supplied to any government Institute/ Organization/ reputed Private Organization. OEM also has to submit that the price quoted by the bidder in the bid is on its behalf and the lowest in the current and last financial year in the country. Therefore, if at any stage it has been found that the supplier and its OEM have quoted lower rates than those quoted in this bid; the Institute (the purchaser) would be given the benefit of lower rates by the Supplier and any excess payment if any, will become immediately payable to the Institute (the purchaser). If such an affidavit is not submitted, the bid will be outrightly rejected. (Part of technical bid).
19. Guarantee / Warranty Period: Separate offers of Comprehensive Maintenance Contract (CMC on main equipment) and Annual Maintenance Contract (AMC on main equipment) for further 5 years after expiry of 5 years of warranty (i.e., 6th, 7th, 8th, 9th and 10th years) in rupees only (and on basis of percentage of price) should be included in a financial bid in the absence of which the offer is liable to be rejected. Payment for CMC/AMC shall be made only after the expiry of the warranty of 5 years, in case the Institute (the purchaser) decides for availing of CMC/AMC services. Contract for CMC/AMC shall be decided on expiry of warranty but rates (not more than 5% inclusive of all taxes for 6th to 10th year) will be frozen at the price of an issued purchase order before the release of payment by the Institute (the purchaser).





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However, the Institute (the purchaser) may decide not to enter into any CMC/AMC contract without assigning any reason for the same, which shall be binding upon the bid.

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