

TAMIL NADU MEDICAL SERVICES CORPORATION LIMITED

(A Government of Tamilnadu Undertaking)

417, PANTHEON ROAD, EGMORE, CHENNAI – 600 008.

ISO 9001:2008 Certified Organisation

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CIN: U85110TN1994SGC027939

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18.09.2019

INVITATION FOR QUOTATIONS FOR SUPPLY OF EQUIPMENT
THIS INVITATION DULY SIGNED ON ALL PAGES SHOULD BE ATTACHED
WITH THE QUOTE

From

The General Manager (E),
TamilNadu Medical Services Corporation Limited,
417, Pantheon Road, Egmore,
Chennai – 600 008.

To

Dear Sirs,

Sub: Invitation for Quotations for Supply of Electro Surgical Diathermy Unit-

Reg.

1. You are invited to submit your most competitive quotation for the following goods:-

Sl. No.	Brief Description of the Goods	Qty. in No.	Delivery Period	Place of Delivery
1.	Electro Surgical Diathermy Unit	1	Within 30 days from the date of receipt of supply order	Dept. of Surgical Oncology, Govt. Rajaji Hospital, Madurai

2. Bid Price

2.1 The contract shall be for the full quantity as described above. Corrections, if any, shall be made by crossing out, initialing, dating and re writing.

- 2.2 All duties, taxes payable by the contractor under the contract shall be considered in the quoted price indicating the breakup value.
- 2.3
 - a) The bidder should furnish the CIF value of the imported component with Customs duty separately in the price bid in addition to the other breakup value packaging & Forwarding, Inland transport, Installation and commissioning and other incidental charges
 - b) The bidders are advised to take in to consideration the savings available due to abolition of CVD and SAD for imports now due to GST implementation, and consider the benefits out of it as a reduction, while arriving at their bid price.
 - c) Similarly, the benefits that could be availed out of High Sea Sales/ Sales in course of import should also be considered as a reduction while arriving at their bid price.
 - d) GST shall be indicated separately.
- 2.4 The Prices should be quoted in Indian Rupees only.
3. Each bidder shall submit only one quotation.
 - 3.1. Earnest money deposit:- Each quotation should be submitted with an EMD of Rs.1,000/- by means of DD drawn in favour of "Tamilnadu Medical Services Corporation Limited, Chennai payable at Chennai.
 - 3.2 Quotation received without EMD amount will be treated as non-responsive.
 - 3.3 The bidder should furnish the GST registration no. for supply and services and the code no. for the goods quoted.
 - 3.4 The GST registered bidders are only eligible to participate in the quotation.
 - 3.5 The bidder should furnish the details of Bank name, Branch name, Account no., IFSC code and a copy of cancelled cheque leaf.
 - 3.6 The validity of the Demand Draft / Banker's Cheque furnished for EMD should be not less than 15 days.

4. **Validity of Quotation:-**

Quotation shall remain valid for a period not less than **45** days after the deadline date specified for submission.

5. **Evaluation of Quotations:-**

5.1 The Purchaser will evaluate and compare the quotations determined to be substantially responsive i.e. which

(a) are properly signed; and

(b) conform to the terms and conditions, and specifications

(c) Not furnishing Catalogues, Point wise compliance statement of Technical specification, and producing the sample of the quoted item for demo within one week notice, if called for would be treated as a violation of the terms of the tender and the bids would be treated as non responsive.

5.2 The evaluation of the prices will be done by adding the comprehensive AMC charges at discounted rate of 8% per annum with the supply price. Firms who are not quoted for the comprehensive AMC would be considered as non responsive.

The Quotation would be evaluated separately for each item. GST will not be taken into account in evaluation.

6. **Award of contract:-**

The Purchaser will award the contract to the bidder whose quotation has been determined to be substantially responsive and who has offered the lowest evaluated quotation price.

6.1 Notwithstanding the above, the Purchaser reserves the right to accept or reject any quotations and to cancel the bidding process and reject all quotations at any time prior to the award of contract.

6.2 The bidder whose bid is accepted will be notified of the award of contract by the Purchaser prior to expiration of the quotation validity period. The terms of the accepted offer shall be incorporated in the purchase order.

6.3 For delay in supply of the goods beyond the stipulated delivery period, liquidated damages at 0.5% per week or part thereof of

undelivered portion of the contract, subject to a maximum of 10% of the contract value is leviable.

- 6.4 You shall furnish performance security for 5% of contract value by means of demand draft drawn in favour of Managing Director Tamilnadu Medical Service Corporation Limited Payable at Chennai which will be returned after satisfactory completion of warranty period.
- 6.5 Payment shall be made within 30 days after delivery of the goods, against submission of bills with certification from the consignee for satisfactory completion of supply.
- 6.6 The item supplied shall carry a warranty of atleast 3 years for equipment from the date of acceptance of the goods by the consignee.
- 6.7 Annual Maintenance Charges (Comprehensive) should be quoted for 7 years / per year after 3 years warranty maintenance period for equipment.

7. You are requested to submit the quotations in a sealed cover superscribed **“Quotations for Procurement of Electro Surgical Diathermy Unit to Dept. of Surgical Oncology, Govt. Rajaji Hospital, Madurai”** and quotations should reach Tamil Nadu Medical Services (A Govt. of Tamilnadu Undertaking), 417, Pantheon Road, Egmore, Chennai – 600 008 on or before **15.00 hours on 03.10.2019**.

8. Quotation will be opened at **15.30 hours** on **03.10.2019** in the presence of bidders.
9. We look forward to receive your quotations and thank you for your interest in this project.

Sd/-
General Manager (E)

PRICE SCHEDULE

1	2	3	4	5					6	7	8
				PRICE FOR EACH UNIT							
Sch No.	Item Description	Country of origin	Quantity & Unit	Ex-factory Ex-warehouse Ex-showroom off-the shelf for CIF (a)	Packing & forwarding (b)	Inland transport, Insurance and Incidental costs incidental to delivery (c)	Incidental services (d)	Customs duty (e)	Unit price a+b+c+d+e	Total price per schedule for delivery at final destination (4 x 6)	GST – IGST/CGST/SGST payable if contract is awarded
1	Electro Surgical Diathermy Unit		1 No.								

i. Unit price in (6) (Rs. in words)

1. Electro Surgical Diathermy Unit as per specification with HSN code/ rate of GST.....

a) Annual Maintenance Charges (labour only) per year /per unit for 7 years after 3 years free warranty maintenance period

1. Electro Surgical Diathermy Unit as per specification with HSN code/ rate of GST.....

b) Annual Maintenance Charges (Comprehensive) for 7 years / per year / per unit after free warranty maintenance period

1. Electro Surgical Diathermy Unit as per specification with HSN code/ rate of GST.....

Note:

- (a) In case of discrepancy between unit price and total price, the unit price shall prevail.
- (b) **GST applicable for Annual Maintenance Charges shall be indicated separately.**
- (c) **The bidder should indicate the HSN code of the equipment/ service and applicable GST rate**
- (d) **The bidder should quote for the prices separately from column 5(a) to 5(e) and should not state “as inclusive” of all rate.**

Place :
Date :

Signature of Bidder.....
Name
Business Address.....

1. SPECIFICATION FOR ELECTRO SURGICAL DIATHERMY UNIT

1. Instant response technology ensures that the power delivered remains virtually constant, regardless of the tissue type.
2. Improved performance at lower power setting minimizes the risk of tissue damage and neuromuscular stimulation.
3. Three section touch screen with enhanced ease of use, Simple controls and intuitive information displays.
4. Unit should have Advance mode for a unique combination of Monopolar hemostasis and dissection while using a lower power setting resulting in less char, less thermal spread and less arcing than a traditional coagulation mode.
5. Three internal microcontrollers reduce system reaction time and increase the system processing speed.
6. Spray coagulation voltage of no more than 9000 volts peak-to-peak output for board, but superficial coagulation with limited capacitive coupling.
7. Closed loop coagulation for all the Monopolar and bipolar modes.
8. A power efficiency rating of approximately 98 or more for cut performance.
9. Three cut modes, all controlled by instant response technology, offer surgeons a Varsity of choices.
 - a. Low cut for delicate tissue or endoscopic cases.
 - b. Pure cut for clean, precise cut.
 - c. Blend for cutting with homeostasis.
10. Coagulation modes :
 - a. Desiccate for low Voltage contact coagulation suitable in endoscopic and Delicate tissue work.
 - b. High crest factor for efficient non contact coagulation in most applications.
 - c. Low crest factor for lower voltage coagulation in requirements.
 - d. Spray for coagulation large tissue areas with superficial depth of necrosis.

11. Three Bipolar modes :
 - a. Different setting in bipolar are controlled by the instant response System.
 - b. Precise, Standard, Macro setting utilize low voltage to prevent sparking.
12. Unit should have Auto Bipolar Mode.
13. System compatible with other devices including:
 - a. Argon coagulation system.
 - b. Ultrasonic surgical aspirators.
 - c. Smoke evacuator.
 - d. Bipolar current monitor.
14. Compatible with and used as the electrosurgical energy source for :
 - a. Control RF ablation system.
 - b. Electro blade rotary resection system.
 - c. Pacemaker lead extraction system.
15. Compatible with and the exclusive electrosurgical generator for the computer Motion herms.
16. Unit should be advanced – micro controlled based Technology.
17. Unit should perform self test during Power ON.
18. Unit should have Digital Wattage Indications for Bipolar, Monopolar Cut and Coagulation.
19. Unit should have isolated Monopolar and bipolar outputs.
20. Unit should have Split type Patient Plate contact monitoring system for Maximum Patient safety (Unit should not be deliver power until and unless Maximum area of the patient plate is not covered to completely minimize the risk of post operative H.F. burns).
21. Unit should have Audio Visual Patient plate Error Monitoring system.
22. Unit should have atleast 3 monopolar coagulation modes.
23. Monopolar Coagulation should consist spray for Non-Contact Coagulation, Fulgurate for underwater coagulation, Desiccate / Force for open Coagulation.

24. Unit should have atleast Three bipolar mode including Precise, standard and macro and Auto Bipolar mode.
25. Unit should have facility to use Monopolar and bipolar function without switch over.
26. Unit should have simultaneous coagulation facility in Monopolar coagulation.
27. Unit should have HF leakage monitoring system.
28. Unit should be compactable with three button Monopolar pencil which can use to adjust the power output of the machine from the sterile field.
29. Unit should have Time-out facility to prevent accidental activation.
30. There should be soft coagulation mode to do precise surgeries in soft organs like Liver.
31. Unit should have USFDA or European CE Approved.
32. Output Wave forms: Bipolar.
 - a. Precise - more than 300 kHz sinusoid.
 - b. Standard – more than 300 kHz sinusoid.
 - c. Macro – more than 300 kHz sinusoid.
33. Monopolar Cut
 - a. Low – more than 300 kHz sinusoid.
 - b. Similar to the pure cut mode except the maximum.
 - c. Voltage is limited to lower value.
 - d. Pure – more than 300 kHz sinusoid.
 - e. Blend – more than 300 kHz sinusoid bursts of sinusoid, recurring at 27 kHz intervals.
 - f. 50% duty cycle envelope.
34. Monopolar Coag
 - a. Desiccate – more than 300 kHz sinusoid repeated at 39 kHz, 8% duty cycle.
 - b. Fulgurate – more than 300 kHz sinusoid damped sinusoidal bursts with a repletion frequency of 30 or 57 kHz into 500 ohms.

- c. Spray – more than 300 kHz sinusoid damped sinusoid bursts with a randomized repetition centered at 28 kHz Frequencies includes 21 kHz < 35 kHz.
- 35. Output is further modulated by a random 250 Hz envelope with a variable duty cycle.
- 36. Output power changes by less than 15% of 5 watts, whichever is greater as the line Voltage varies from 104-132 volts and 208-264 volts (at rated load).
- 37. The system should have current ammeter to make sure that while using bipolar the vessel is coagulated or not.
- 38. Should be able to activate two Monopolar coagulation buttons at same time. There should have an option to enable or disable the shared coagulation facility.
- 39. Should have an option to enable and disable auto bipolar as per the requirement from the surgeon.

Note: Bidders shall furnish technical compliance statement for the model quoted, details of manufacturer including deviations if any. Technical catalogue /data sheet shall also be furnished in support of technical compliance statement without fail.