

**Tender Document**

**for**

**"Supply of "High Frequency Advance Electrosurgical Unit ESG-400 (Thunderbeat)" for Department of General Surgery"**

**At**

**All India Institute of Medical Sciences, Raipur**

No	DME Stage	Start Date & Time
1.	NIT No.	AIIMS/R/CS/Gen. Sur./15/003/PAC.
2.	NIT issue date	<b>07-02-2017</b>
3.	Last Date of submission	<b>22-02-2017 up to 03.00 pm</b>
4.	Date of Open Technical & Financial Bid	<b>22-02-2017 up to 03.30 pm</b>
5.	Venue	Store Office, Medical College Building, 2 <sup>nd</sup> floor, Gate No. 05, AIIMS, Tatibandh, GE Road Raipur-492099



आरोग्यम् सुख सम्पदा

**All India Institute of Medical Sciences, Raipur**

**Tatibandh, Raipur – 492099, Chhattisgarh**

Tele: 0771- 2971307, email: store@aiimsraipur.edu.in

Website: [www.aiimsraipur.edu.in](http://www.aiimsraipur.edu.in)

## **Chapter I- Instruction to bidders**

### **Notice Inviting Tender**

#### **Supply of “High Frequency Advance Electrosurgical Unit ESG-400 (Thunderbeat)” for Department of General Surgery.**

All India Institute of Medical Sciences, Raipur, Chhattisgarh, an apex healthcare institute being established by Parliament of India under aegis of Ministry of Health & Family Welfare, Government of India, invites sealed Tenders for supply of the following item(s) at the institute. You are requested to quote your best offer along with the complete detail of specifications, terms & conditions.

1. The bidder should send the tender bids in sealed cover addressed to the Store Officer, All India Institute of Medical Sciences, Tatibandh, Raipur superscripted with tender number and complete in all respects latest by **22-02-2017 up to 3:00 pm**. The bid will be opened on the same day at **03.30 pm** in the Store Office, Medical College Building, 2<sup>nd</sup> Floor, All India Institute of Medical Sciences, Raipur. The bid document received after the scheduled date and time will be rejected outrightly.
2. The tender is in **single bid** system. The bid will be opened on the designated date by the Tender Opening Committee.
3. The bidder should submit the technical bid and the financial bid in sealed covers superscribed “**Tender for Supply of “High Frequency Advance Electrosurgical Unit ESG-400 (Thunderbeat)” for Department of General Surgery**”. After evaluation of bid, purchase order will be placed.

## **Chapter-II- Conditions of Contract**

**Subject:-** Notice Inviting Tender for Supply of “High Frequency Advance Electrosurgical Unit ESG-400 (Thunderbeat)” for Department of General Surgery.

### **1. Preparation and Submission of Tender:**

- Tender shall be rejected if the copy of sales tax registration certificate (now called as VAT) is not furnished. Firm shall furnish a certificate on their firm's letter head stating that up to date returns have been filed and there are no dues with the concerned department. Firm will also submit the copies of such returns (latest) submitted to the department of trade & taxes.
- Hand written quotations shall be accepted at bidder's risk. In case of any discrepancy in the figures, the rate mentioned in words will only be considered.
- All the equipment quoted should be supplied along with the original catalogue with detailed data sheet.

### **2. Signing of Tender:**

All the duly filled/completed pages of the tender should be given serial /page number on each page and signed. The individual signing the tender or other documents connected with contract must specify whether he sign as:

- a) A sole proprietor of the concern or constituted attorney of such sole proprietor;
- b) A partner of the firm, if it is a partnership firm in which case he must have authority to execute the contracts on behalf of the firm and to refer to arbitration disputes concerning the business of the partnership either by virtue of the partnership agreement or by a power of attorney duly executed by the partners of the firm.
- c) Director or a principal officer duly authorized by the Board of Directors of the Company, if it is a company.

### **3. N.B.**

- i. In case of partnership firms, a copy of the partnership agreement, or general power of attorney duly attested by a Notary Public, should be furnished on stamped paper duly sworn or affirmed by all the partners admitting execution of the partnership agreement or the general power of attorney. The attested copy of the certificate of registration of firm should also be enclosed along with the tender.
- ii. In the case of partnerships firm, where no authority to refer disputes concerning the business of partnership firm has been conferred on any partner, the tender and all other related document must be signed by all partners of the firm.
- iii. A person signing the tender form or any document forming part of the tender on behalf of another person should have an authority to bind such other person and if, on enquiry it appears that the person so signing had no authority to do so, AIIMS, Raipur may without prejudice, cancel the contract and hold the signatory liable for all costs, consequences and damages under the civil and criminal remedies available.

- iv. The tenderer should sign and affix his firm's stamp at each page of the tender and all its annexure as the acceptance of the offer made by tenderer will be deemed as a contract and no separate formal contract will be drawn. NO PAGE SHOULD BE REMOVED/ DETACHED FROM THIS NOTICE INVITING TENDER.

**4. Opening of Tender**

The tenderer is at liberty to present either him or authorize not more than one representative to be present at the opening of the tender. The representative present at the opening of the tender on behalf of the tenderer should bring with him a letter of authority from the tenderer and proof of identification.

**5. Validity of the bids:**

The bids shall be valid for a period of 180 days from the date of opening of the tender. This has to be so specified by the tenderer in the commercial bid which may be extended if required.

**6. Right of acceptance:**

AIIMS, Raipur reserve the right to accept or reject any or all tenders /quotations without assigning any reason there of and also does not bind itself to accept the lowest quotation or any tender. AIIMS, Raipur also reserves the rights to accept all the equipment/instruments in the given tender or only part of it in any given schedule without assigning any reason. Any failure on the part of the contractor to observe the prescribed procedure and any attempt to canvass for the work will prejudice the contractor's quotation or any tender.

**7. Performance Security:**

The successful tenderer will be required to furnish a Performance Security Deposit of 10% of tender amount in the form of Demand Draft, Fixed Deposit Receipt or Bank Guarantee from any Nationalized Bank/Schedule Bank duly pledged in the name of the "All India Institute of Medical Sciences, Raipur" within 15 days from the date of issue of LOA. The security deposit can be forfeited by order of this Institute in the event of any breach or negligence or non-observance of any condition of contract or for unsatisfactory performance or non-observance of any condition of the contract.

Performance Security shall be submitted in the form of Demand Draft, Bank Guarantee or Fixed Deposit Receipt issued by any Nationalized Bank. Performance Security will be valid till 60 days beyond completion of all contractual obligations (including warranty period, **if applicable**) under the contract.

After completion of warranty period, a fresh **BG/DD/FDR** of 10% of AMC cost will be submitted by the supplier for performance security against AMC. Validity of this security deposit will be 60 days beyond AMC period. After submission of the new performance security deposit, old performance security will be released.

**8. Delivery & Installation:**

The successful bidders should strictly adhere to the following delivery schedule supply, installation & Commissioning should be effected within 6 to 10 weeks from the date of supply order and this clause should be strictly adhere to failing which administrative action as deemed fit under rules will be taken against the defaulter.

**9. Training and Demonstration:**Suppliers need to provide adequate training and

demonstration at AIIMS Raipur to the nominated person of AIIMS Raipur at their cost. AIIMS Raipur will not bear any training or living expenditure in this regard. The Supplier should arrange for regular weekly visit to the AIIMS, Raipur campus by its technical team and assist in maintenance of the item/equipment within warranty period. Assistance limited to locking companies with manufacturer will not be considered sufficient.

**10. Installation & Warranty Declaration:** Suppliers must give the comprehensive onsite warranty as required from the date of successful installation of item/equipment against any manufacturing defects. In the installation report the model number of instrument and all spares parts / accessories numbers should be in the line of purchase order. And suppliers must be written in the warranty declaration that “every thing to be supplied by us here under shall be free from all defects and faults in material, workmanship and shall be of the highest quality and material of the type ordered, shall be in full conformity with the specification and shall be completed enough to carry out the experiments, as specified in the tender document.” If any item covered under warranty fails, the same shall be replaced free of cost including all the applicable charges (shipping cost both ways). **Installation must be done within stipulated time period from the date of delivery of the item/equipment as specified in the purchase order.**

**11. Inspecting, Testing and Quality control**

- i. The purchaser or its nominal representative will inspect and test the ordered goods and the related services to confirm their conformity to the contract specification and other quality control details incorporated.
- ii. The Inspector shall have full and free access at any time during the execution of the contract to the supplier's work for satisfying himself that the goods are being manufactured in accordance with the specification mentioned in the Contract, and he may require the Supplier to make arrangements of inspection of the goods or any part thereof or any material at his premises or at any other place specified by the Inspector and if the Supplier has been permitted to employ the services of a sub-inspection of the goods after they have been inspected by the Inspector for the purpose aforesaid. The decision of the purchaser/ inspection authority in this regard shall be final and binding on the Supplier. All terms and condition of the contract as they apply to the inspection shall also apply to the re- inspection.
- iii. The Supplier shall provide, without any extra charge, all material, tools, labour and assistance of every kind, which the Inspector may demand of him for any test, and examination, which he shall require to be made on the Supplier's premises and the Supplier shall bear and pay all costs attendant thereon. If the Supplier fails to comply with condition aforesaid, the Inspector shall, in his sole judgment, be entitled to remove for test and examination all or any of the goods manufactured by the Supplier to any premises other than his (Supplier's) and in all such cases the Supplier's shall bear the cost of transport/and carrying out such tests elsewhere. A certificate in writing of the Inspector, that the Supplier has failed to provide the facilities and the means for test and examination, shall be final.
- iv. The Supplier shall also provide and deliver for test, free of charge, at such place

other than his premises as the Inspector may specify such material or goods as he may require for tests for which Supplier does not have the facilities or special/independent tests.

- v. The Inspector shall have the right to put all the goods or materials forming part of the same or any part thereof to such tests as he may think fit and proper. The Supplier shall not be entitled to object on any ground whatsoever to the method of testing adopted by the Inspector.
- vi. Goods accepted by the purchase/AIIMS, Raipur and/or its inspector at initial inspection and in final inspection in terms of the contract should in no way dilute purchasers/AIIMS, Raipur's right to reject the same later.

Further to above if on the goods being rejected by the Inspector or AIIMS, Raipur at the destination, the Supplier fails to make satisfactory supply within the stipulated period of delivery the Purchaser shall be at liberty to:-

- a. Require the Supplier to replace the rejected goods forthwith but in any event not later than a period of 30 days from the date of rejection and the Supplier shall bear all cost of such replacement, including freight, if any, on such replacing and replaced goods but without being entitled to any extra payment on that or any other account.
- b. Purchase or authorize the purchase of quantity of the goods rejected or goods of a similar description when goods exactly complying with particulars are not in the opinion of the Purchase, which shall be final, readily available without notice to the supplier at his risk and cost and without affecting the Supplier's liability as regards the supply of any further installment due under the contract, or
- c. Cancel the contract and purchase or authorized the purchase of the goods or goods of a similar description (when goods complying with particulars are not in the opening of the Purchase, which shall be final, readily available) at the risk and cost of the Supplier.
- d. The Inspector shall have the power:-
  - Before any goods or part thereof are submitted for inspection to certify that they cannot be in accordance with the contract owing to the adoption of any unsatisfactory method of manufacture.
  - To reject any goods submitted as not being accordance with particulars.
  - To reject the whole of the installment tendered for inspection, if after inspection of such portion thereof as he may in his discretion thinks fit, he is satisfied that the same is unsatisfactory.
  - To demand all cost incurred in the inspection and/or test. Cost of test shall be

assessed at the rate charged by the Laboratory to private persons for similar work however if goods are accepted all cost incurred shall be born by the Purchaser.

Inspector's decision as regards the rejection shall be final and binding on the Supplier.

**12. Guarantee / Warranty, Service, Maintenance:** The tenderers must quote for 3 years onsite warranty from the date of completion of the satisfactory installation as certified by the stipulated committee. The warranty charges shall not be quoted separately otherwise the offer shall be summarily rejected. Also the bidders should submit their quote for subsequent 5 years on site AMC (include free labour, repair other services & spare parts). **Failure to comply this condition will entail the rejection of the bids.** The price comparison shall be made taking into account on basic price and post warranty AMC. The amount of AMC would be released to the supplier on successful completion of the maintenance of that particular year duly certified by the user department.

The supplier will ensure regular maintenance service by the appropriate engineer having the technical know-how of the equipment. The supplier shall also ensure the presence of resident engineer in the geographical location of this city of Raipur so that he attends the call without loss of time.

**13. Downtime penalty Clause**

- During the Guarantee/warranty period, desired uptime of 95% of 365 days (24 hrs) if downtime more than 5% the institute shall be entitled to impose penalty equal to amount of 0.05% of the total cost of the equipment per day for the first seven days will be payable by the vendor which will doubled on subsequent weeks along with extension of warranty period by the excess down time period. The vendor must undertake to supply all spares for optimal upkeep of the equipment for at least FIVE YEARS after handing over the unit to the Institute.
- In no case instrument should remain in non-working condition for more than **2 days**, beyond which a penalty of **2% of machine cost** will be charged per day.

**14. Liquidated Damages**

If the supplier fails to deliver any or all of the goods or fails to perform the service within the time frame(s) incorporated in the tender, the Purchaser shall, without prejudice to other right and remedies available to the Purchaser under the tender, deduct from the quoted price, as liquidated damages, a sum equivalent to 0.5% per week of delay or part thereof on delayed supply of the quoted price. Once maximum 10% of value of delayed supply is reached, Purchaser may consider termination of the tender.

**15. Authorization**

It must be mentioned clearly whether tenderer is a manufacturer/sole distributor/sole agent for the items for which he is quoting.

- a. Manufacturer must add a certificate that item(s) is manufactured by them as per range of products.

- b. Sole Manufacturers must add a certificate that they are the sole manufacturer of the Item for which they are quoting in this tender enquiry & item is /are their proprietary Item in India. The rate certificate is also required from the sole manufactures that the Rates quoted are the same as they quote to other State/Centre Govt./reputed Private Organization and DGS&D rate for the similar item(s) and these are not higher than those quoted by them.
- c. Authorized agents must add authority letter from their Manufacturer/Principals on the letter head of the manufacturer/principals in Performa given in attach duly supported by a notarized affidavit on Indian Non Judicial Stamp Paper of Rs.10/- (Rupees ten only) that they are quoting Rates on behalf of them. The authorization letter must give/mention the purpose for which it is allowed. The validity period of the authorization letter must be mentioned in the authority letter otherwise tender will be liable to rejection.

**16. Force Majeure:**

If, at any time during the subsistence of this contract, the performance in whole or in part by either party of any obligation under this contract is prevented or delayed by reasons of any war or hostility, act of public enemy, civil commotion, sabotage, fire, floods, explosion, epidemics, quarantine restriction, strikers lockout or act of God (hereinafter referred to as events) provided notice of happening of any such eventuality is given by party to other within 21 days from the date of occurrence thereof, neither party shall by reason of such event be entitled to terminate this contract nor shall either party have any claim for damages against other in respect of such non-performance or delay in performance, and deliveries have been so resumed or not shall be final and conclusive.

Further, that if the performance in whole or in part of any obligation under this contract is prevented or delayed by reason of any such event for a period exceeding 60 days, AIIMS, Raipur party may, at least option to terminate the contract.

**17. Insolvency etc:**

In the event of the firm being adjudged insolvent or having a receiver appointed for it by a court or any other order under the Insolvency Act made against them or in the case of a company the passing any resolution or making of any order for winding up, whether voluntary or otherwise, or in the event of the firm failing to comply with any of the conditions herein specified AIIMS, Raipur shall have the power to terminate the contract without any prior notice.

**18. Breach of Terms and Conditions:**

In case of breach of any terms and conditions as mentioned above, the Competent Authority, will have the right to cancel the work order/ job without assigning any reason thereof and nothing will be payable by AIIMS, Raipur. In that event the security deposit shall also stand forfeited.



**19. Subletting of Work:**

The firm shall not assign or sublet the work/job or any part of it to any other person or party without having first obtained permission in writing of AIIMS, Raipur, which will be at liberty to refuse if thinks fit. The tender is not transferable. One tenderer shall submit only one tender.

**20. Right to call upon information regarding status of work:**

The AIIMS, Raipur will have the right to call upon information regarding status of work/job at any point of time.

**21. Terms of payment:**

The payment would be made for actual supply taken and no claim in this regard should be entertained. 100% payment will be made on receiving of goods in store satisfactorily with approved quality & ordered quantity.

No payment shall be made for rejected Stores. Rejected items must be removed by the supplier within two weeks of the date of rejection at their own cost & replace immediately. In case these are not removed these will be auctioned at the risk and responsibility of the suppliers without notice.

Tenderer should submit 03 invoice in original along with the packing list/delivery challan and other relevant documents (if required) on the time of payment.

**22. Installation & Training:-**

Trained engineers of M/s Olympus Medical Systems India Private Limited will do installation and give onsite training, without any additional charges.

**23. Arbitration:**

If any difference arises concerning this agreement, its interpretation on payment to the made there under, the same shall be settled out by mutual consultation and negotiation. If attempts for conciliation do not yield any result within a period of 30 days, either of the parties may make a request to the other party for submission of the dispute for decision of Sole Arbitrator to be appointed by the Director, AIIMS, and Raipur. Such requests shall be accompanied with a panel of names of three persons to act as the sole arbitrator. In case of such arbitrator refusing, unwilling or becoming incapable to act or his mandate having been terminated under law, another arbitrator shall be appointed in the same manner from among the panel of three persons to be submitted by the claimant. The provision of Arbitration and Conciliation Act, 1996 and the rule framed there under and in force shall be applicable to such proceedings.

**24. Legal Jurisdiction:**

The agreement shall be deemed to have been concluded in Raipur, Chhattisgarh and all obligations hereunder shall be deemed to be located at Raipur, Chhattisgarh and Court within Raipur, Chhattisgarh will have Jurisdiction to the exclusion of other courts.

**Stores Officer  
AIIMS,Raipur (C.G.)**

### **Chapter III - Specifications and allied Technical Details**

#### **Parameters and Technical Specifications for Executing the Work:**

1. The participant manufacture/companies having own manufacturing units or their authorized dealer can only participate. Proof of manufacturing is to be attached.
2. Manufacturer should be European CE, ISO Standard & Confirm to IEC Certificate. Dealers participating should enclose certificate from their parent manufacturer company.
3. Tenderer must provide evidence of having supplied to reputed government / reputed private organizations in India including at least one government institution.
4. The demonstration of the equipment forms an essential part of the tender. The bidder has to arrange for the demonstration of the equipment with no financial assistance from AIIMS Raipur.
5. The tenderer can quote for the equipment mentioned in the bid. The tenderer has to include separate financial bid in a separate envelope labeled with the respective on the envelope. **Price of the individual instrument/equipment should be mentioned in the financial Bid of the quoted equipment, if not the bid for that equipment will be out rightly rejected.**
6. The delivery of the items will have to be made at AIIMS, Raipur. No transportation and cartridge charges will be provided for the same.
7. The rate quoted should be firm and final and written in ink or typed against each item and should in no case be overwritten.

I / We hereby accept the terms and Conditions given in the tender

-----  
(Signature & Stamp of the bidder)

*Note- Please sign each page of document including terms & conditions & tender*

**Chapter - IV Contract Form****TENDER FORM - 1 - TECHNICAL INFORMATION AND UNDERTAKING**

(Tenderer may use separate sheet wherever required)

(In separate sealed Cover-I super scribed as “Technical Bid”)

S. N.	Description	Document Required	Document Supplied (Yes/No)	If yes, provide Reference page number in techno-commercial bid
1.	Name & Address of the manufacture and their authorised dealers/ distributors/ Agency with phone number, email, name and telephone/mobile			
2.	Specify your firm/company is a manufactures/ authorised dealer/distributor / Agency			
3.	Name, Address & designation of the authorized person (Sole proprietor/partner /Director)	Relevant document		
<b>A</b>	<b>Original Equipment Manufacturer's (OEM) Prequalification:</b>			
4.	OEM must be a European CE, ISO Certified & IEC Certificate company consistently.	Copy of Valid certificates		
<b>B</b>	<b>About the tender Offer</b>			
5.	Tenderer must provide evidence of having supplied government hospital / reputed private hospital organizations in India similar nature of items of at least <b>₹5,00,000/-</b> in the last three years.	<ul style="list-style-type: none"> <li>• Copy of the all the Supply orders.</li> <li>• Satisfaction certificates (along with contact details) from at least three institutions.</li> </ul>		
6.	The average Annual turnover of the bidder in the last three financial years should not be less than. <b>₹ 15,00,000/-</b> .	<ul style="list-style-type: none"> <li>• Copies of authenticate Audit Report of the firm (including balance sheet) for the last three financial year</li> </ul>		
7.	A partner of the firm, if it is a partnership firm in which case he must have authority to execute the contracts on behalf of the firm and to refer to arbitration disputes concerning the business of the partnership either by virtue of the partnership agreement or by a power of attorney duly executed by the partners of the firm.	Undertaking <b>authorization letter</b>		
<b>C</b>	<b>Tenderer's prequalification</b>			
8.	Tenderers, if not OEM, must submit OEM's authorization certificate that the tenderer is authorized for selling, and maintaining the equipment quoted for.	<b>OEM's authorization letter</b>		
9.	Whether each page of NIT and its annexure have			

S. N.	Description	Document Required	Document Supplied (Yes/No)	If yes, provide Reference page number in techno-commercial bid
	been signed and stamped as acceptance.			
10.	Whether original catalogue of the equipment/instruments quoted with detailed data sheet enclosed.			
<b>E</b>	<b>Other Relevant Information required</b>			
11.	Permanent Account Number	Copy of the PAN Card		
12.	Please attach copy of last three years of Income Tax Return			
13.	VAT/Registration Certificate	Please attach copy		
14.	Acceptance of terms & conditions attached (Yes/No).	Please sign each page of terms and conditions as token of acceptance and submit as part of tender document with technical bid. <b>Otherwise your tender will be rejected.</b>		
15.	Please submit on Company/Firm letter head that no case is pending with the police against the Proprietor/firm/partner or the Company (Agency). Indicate any convictions in the past against the Company/firm/partner. Please also declare that proprietor/firm has never been black listed by any organization.			
16.	Kindly mention the total number of pages in the tender document.			
17.	Have you previously supplied these items to any government/ reputed private organization? If yes, attach the relevant proof. Please provide a Certificate on letter head that you have not quoted the price higher than previously supplied to any government Institute / Organisation / reputed Private Organisation or DGS&D rate in recent past. If you don't fulfil these criteria, your tender will be out rightly rejected.			

**Note:**

- i. Page number/serial number may be given to each and every page of Tender Documents and photocopies of the attested documents attached. Mention Page number, wherever the copy (ies) of the document(s) is kept.
- ii. In case of non-fulfillment of any of the above information/ document(s), the Tender will be summarily rejected without giving any notice.

**(Dated Signature of the Tenderer with stamp of firm)**

**Declaration by the Tenderer:**

- 1) That I/we have carefully studied all the terms & conditions of NIT and shall abide by it.
- 2) That I/We shall supply the items of requisite quality.
- 3) That I/We undertake that the information given in this tender are true and correct in all respect and I/We hold the responsibility for the same.

**Place:**.....

**Date:**.....

**(Signature of Tenderer with seal)**

Name:

Address :

**FINANCIAL BID**

(In sealed Cover-II super scribed "Financial Bid")

S. No.	Item Description	Qty. In Units	Unit Price in INR	Taxes (if applicable) VAT / Sales Tax/etc in INR	Any other Charges	Total Unit Price (including all taxes)	Total price of (Unit price x Quantity)
01	02	03	04	05	06	07= ( 4+5+6)	08= ( 7 x 3)
1	High Frequency Advance Electrosurgical Unit ESG-400 (Thunderbeat)	01					
2	Warranty (3 Years)						
						<b>Grand Total *</b>	

The Grand Total \* will be the deciding factor for all conditions mentioned in the tender document are fulfilled.

DATE:

SIGNATURE WITH NAME AND SEAL

**PRICE SCHEDULE FOR ANNUAL MAINTENANCE CONTRACT  
(AMC) AFTER EXPIRY OF WARRANTY**

**(RATES SHOULD BE QUOTED IN INDIAN RUPEES ONLY)**

Sr No	SME Code No.	Name of the Equipment	For Fourth year with spare parts & labour	For Fifth year with spare parts & labour	For Sixth year with spare parts & labour	For Seventh year with spare parts & labour	For Eight year with spare parts & labour
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)

Place:

Date:

Signature  
Name in Capital Letters  
Designation

**SPECIAL CONDITIONS**

1. The bidders should submit the relevant certificates / evidence of previous supply to other hospitals. If required, the technical committee may enquire from the other hospitals where the bidders have supplied the material.
2. The bidders should also submit a certificate from the relevant authority as to the quality of the equipment.
3. The bidder should not have been blacklisted before.
4. The bidders shall also arrange for the demonstration of their equipment to the concerned committee regarding the quality aspect.

Declaration by the Bidder:

1. This is to certify that I/We before signing this tender have read and fully understood all the terms and conditions contained in Tender document regarding terms & condition of the contract, rules regarding purchase of “ High Advance Electosurgical Unit ESG-400 (Thunderbeat)” Equipment . I/we agree to abide them.
2. No other charges would be payable by Client and there would be no increase in rates during the Contract period.

Place:.....

(Signature of Bidder with seal)

Date:.....

Name :

Seal :

Address:



**TECHNICAL SPECIFICATIONS**

TECHNICAL SPECIFICATION FOR HIGH FREQUENCY ADVANCE  
ELECTROSURGICAL UNIT ESG-400 (THUNDERBEAT).

- 1) Should be compatible for Laparoscopic and Open Surgery
- 2) Should be compatible with existing Ultrasonic Generator USG 400
- 3) Should have facility to deliver both ultrasonic and bipolar energy for simultaneous rapid tissue cutting and coagulation
- 4) The high frequency unit should have Monopolar & Bipolar modes to cover all OR requirements
  - a. **Monopolar Cut Modes :**
    - i. Pure Cut for continuous cutting
    - ii. Blend Cut for Continuous cutting with Coagulation
    - iii. Pulse Cut Slow for Intermittent cutting with long coagulation
    - iv. Pulse Cut Fast for Intermittent cutting with short coagulation
  - b. **Monopolar Coagulation Modes :**
    - i. Soft Coag for Soft and deep coagulation
    - ii. Power Coag for Fast coagulation and dissection
    - iii. Forced Coag for Fast coagulation
    - iv. Spray Coag for Contact-free superficial coagulation
  - c. **Bipolar Cut Modes :**
    - i. Bipolar Cut for Continuous cutting
    - ii. Saline Cut for Continuous cutting in saline
  - d. **Bipolar Coagulation Modes :**
    - i. BiSoft Coag for Soft coagulation (+/- Autostart)
    - ii. Auto Coag for Soft coagulation with Autostop
    - iii. Saline Coag for Coagulation in saline
    - iv. Hard Coag for Clamp coagulation with Autostop
    - v. Fine Coag for Fine coagulation
    - vi. RF coagulation for deep tumor ablation with autostop
- 5) Should provide simultaneous reliable hemostasis and transaction of up to 7mm vessels with a single instrument.
- 6) Should have minimum lateral thermal spread which is not more than 1 mm
- 7) Device should have dedicated seal and seal & cut mode by hand activation as well as foot switch without exchanging the instruments.
- 8) Should have high resolution LCD and Touch Screen user Interface for fast and setup, operation and on screen diagnostics
- 9) Should have onscreen warning display for generator overheating, generator software upgrade, hand piece error and instrument errors
- 10) Should have a short boot time preferably less than 6 Seconds
- 11) Should have built-in regulated fan
- 12) Should have facility for software update vide a USB device
- 13) Should have memory function with characters

- 14) Should have 4000 times feedback control cycle per second
- 15) Should have Fast Spark Monitor that ensures smooth and reproducible cutting in varying tissue (e.g., muscle & fat)
- 16) Should have Automatic Saline Detection mode
- 17) Should be supplied with Disposable patient plates
- 18) Instrument recognition and automatic application of default settings for ease of use.
- 19) 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.
- 20) The device should be FDA approved and/or European CE certified
- 21) High Frequency device should have CF type Protection against electric shock
- 22) The system should conform to the international standards EN (IEC) 60601-1, EN (IEC) 60601-2-2, EN (IEC) 60601-1-8
- 23) Device should be supplied with following instrumentations:
  - a) Advanced HF Generator with Foot Switch.
  - b) Communication Cables
  - c) Autoclavable Transducer with cable (1 piece)
  - d) 5 mm caliber hand activated coagulating shears for laparoscopic surgery and capable of sealing blood vessels up to 7 mm diameter, shaft length of 35-40 cm and with an ergonomic handle (08pcs)
  - e) 5 mm caliber hand activated coagulating shears for open surgery and capable of sealing blood vessels up to 7 mm diameter, shaft length of 20-25 cm and with an ergonomic handle (02pcs)

**MANUFACTURER'S / PRINCIPAL'S AUTHORIZATION FORM**

To

The Stores Officer,  
All India Institute of Medical Sciences Raipur.

Dear Sir,

TENDER: \_\_\_\_\_.

we, \_\_\_\_\_ who are established and reputable manufacturers of \_\_\_\_\_, having factories at \_\_\_\_\_ and \_\_\_\_\_, hereby authorize Messrs. \_\_\_\_\_ (name and address of agents) to bid, negotiate and conclude the contract with you against Tender No. \_\_\_\_\_ for the above goods manufactured by us. No company or firm or individual other than Messrs. \_\_\_\_\_ are authorized to bid, negotiate and conclude the contract in regard to this business against this specific tender.

We hereby extend our full guarantee and warranty as per the conditions of tender for the goods offered for supply against this tender by the above firm.

The authorization is valid up to \_\_\_\_\_  
\_\_\_\_\_

Yours faithfully,

(Name)

For and on behalf of Messrs. \_\_\_\_\_  
(Name of manufacturers)/Principal.