

## Bid Document

Bid Details	
<b>Bid End Date/Time</b>	02-04-2022 13:00:00
<b>Bid Opening Date/Time</b>	02-04-2022 13:30:00
<b>Bid Life Cycle (From Publish Date)</b>	90 (Days)
<b>Bid Offer Validity (From End Date)</b>	65 (Days)
<b>Ministry/State Name</b>	Ministry Of Health And Family Welfare
<b>Department Name</b>	Department Of Health And Family Welfare
<b>Organisation Name</b>	All India Institute Of Medical Sciences (aiims)
<b>Office Name</b>	Aiims, New Delhi
<b>Total Quantity</b>	4
<b>Item Category</b>	Integrated Electrosurgical Unit and vessel sealer (Q2)
<b>MSE Exemption for Years of Experience and Turnover</b>	No
<b>Startup Exemption for Years of Experience and Turnover</b>	No
<b>Document required from seller</b>	Certificate (Requested in ATC), OEM Authorization Certificate, Additional Doc 1 (Requested in ATC), Additional Doc 2 (Requested in ATC), Additional Doc 3 (Requested in ATC), Additional Doc 4 (Requested in ATC), Compliance of BoQ specification and supporting document *In case any bidder is seeking exemption from Experience / Turnover Criteria, the supporting documents to prove his eligibility for exemption must be uploaded for evaluation by the buyer
<b>Bid to RA enabled</b>	Yes
<b>RA Qualification Rule</b>	50% Lowest Priced Technically Qualified Bidders
<b>Comprehensive Maintenance Charges Required</b>	Yes
<b>Time allowed for Technical Clarifications during technical evaluation</b>	2 Days
<b>Evaluation Method</b>	Total value wise evaluation

### EMD Detail

Advisory Bank	State Bank of India
EMD Percentage(%)	2.00
EMD Amount	200000

**ePBG Detail**

Advisory Bank	State Bank of India
ePBG Percentage(%)	3.00
Duration of ePBG required (Months).	62

(a). EMD EXEMPTION: The bidder seeking EMD exemption, must submit the valid supporting document for the relevant category as per GeM GTC with the bid. Under MSE category, only manufacturers for goods and Service Providers for Services are eligible for exemption from EMD. Traders are excluded from the purview of this Policy.

(b). EMD & Performance security should be in favour of Beneficiary, wherever it is applicable.

**Beneficiary:**

DIRECTOR, AIIMS

Aiims, New Delhi, Department of Health and Family Welfare, All India Institute of Medical Sciences (AIIMS), Ministry of Health and Family Welfare  
(Director, Aiims)

**Splitting**

Bid splitting not applied.

**MII Purchase Preference**

MII Purchase Preference	Yes
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**MSE Purchase Preference**

MSE Purchase Preference	Yes
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1. Preference to Make In India products (For bids < 200 Crore):Preference shall be given to Class 1 local supplier as defined in public procurement (Preference to Make in India), Order 2017 as amended from time to time and its subsequent Orders/Notifications issued by concerned Nodal Ministry for specific Goods/Products. The minimum local content to qualify as a Class 1 local supplier is denoted in the bid document. If the bidder wants to avail the Purchase preference, the bidder must upload a certificate from the OEM regarding the percentage of the local content and the details of locations at which the local value addition is made along with their bid, failing which no purchase preference shall be granted. In case the bid value is more than Rs 10 Crore, the declaration relating to percentage of local content shall be certified by the statutory auditor or cost auditor, if the OEM is a company and by a practicing cost accountant or a chartered accountant for OEMs other than companies as per the Public Procurement (preference to Make-in -India) order 2017 dated 04.06.2020. Only Class-I and Class-II Local suppliers as per MII order dated 4.6.2020 will be eligible to bid. Non - Local suppliers as per MII order dated 04.06.2020 are not eligible to participate. However, eligible micro and small enterprises will be allowed to participate .In case Buyer has selected Purchase preference to Micro and Small Enterprises clause in the bid, the same will get precedence over this clause.

2. Purchase preference to Micro and Small Enterprises (MSEs): Purchase preference will be given to MSEs as defined in Public Procurement Policy for Micro and Small Enterprises (MSEs) Order, 2012 dated 23.03.2012 issued by Ministry of Micro, Small and Medium Enterprises and its subsequent Orders/Notifications issued by concerned Ministry. If the bidder wants to avail the Purchase preference, the bidder must be the manufacturer of the offered product in case of bid for supply of goods. Traders are excluded from the purview of Public Procurement Policy for Micro and Small Enterprises. In respect of bid for Services, the bidder must be the Service provider of the offered Service. Relevant documentary evidence in this regard shall be uploaded along with the bid in respect of the offered product or service. If L-1 is not an MSE and MSE Seller (s) has/have quoted price within L-1+ 15% (Selected by Buyer)of margin of purchase preference /price band defined in relevant policy, such Seller shall be

given opportunity to match L-1 price and contract will be awarded for 25%(selected by Buyer) percentage of total QUANTITY.

3. Estimated Bid Value indicated above is being declared solely for the purpose of guidance on EMD amount and for determining the Eligibility Criteria related to Turn Over, Past Performance and Project / Past Experience etc. This has no relevance or bearing on the price to be quoted by the bidders and is also not going to have any impact on bid participation. Also this is not going to be used as a criteria in determining reasonableness of quoted prices which would be determined by the buyer based on its own assessment of reasonableness and based on competitive prices received in Bid / RA process.

4. Reverse Auction would be conducted amongst first 50% of the technically qualified bidders arranged in the order of prices from lowest to highest. Number of sellers eligible for participating in RA would be rounded off to next higher integer value if number of technically qualified bidders is odd (e.g. if 7 bids are technically qualified, then RA will be conducted amongst L-1 to L-4). In case number of technically qualified bidders are 2 or 3, RA will be between all without any elimination. If Buyer has chosen to split the bid amongst N sellers, then minimum N sellers would be taken to RA round. In case Primary products of only one OEM are left in contention for participation in RA based on lowest 50% bidders qualifying for RA, the number of sellers qualifying for RA would be increased to get at least products of one more OEM (directly participated or through its reseller) if available. Further, if bid(s) of any seller(s) eligible for MSE preference is / are coming within price band of 15% of Non MSE L-1 or if bid of any seller(s) eligible for Make in India preference is / are coming within price band of 20% of non MII L-1, then such MSE / Make in India seller shall also be allowed to participate in the RA process.

#### Pre Bid Detail(s)

Pre-Bid Date and Time	Pre-Bid Venue
16-03-2022 14:00:00	Room No. 6, Ground Floor, National Centre for Ageing, AIIMS, New Delhi - 110029

#### Integrated Electrosurgical Unit And Vessel Sealer ( 4 pieces )

(Minimum 50% Local content required for qualifying as Class 1 Local Supplier)

Brand Type	Registered Brand
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#### Technical Specifications

[\\* As per GeM Category Specification](#)

Specification	Specification Name	Bid Requirement (Allowed Values)
Performance Parameters	<b>Type of Display (shall be user friendly with display of mono polar, bipolar and Vessel sealing technology for good visibility in operating room)</b>	Complete (Single touch screen for complete system, Partial or segment wise touch screen, LED DISPLAY
	<b>Display size in inches</b>	8" or more (for complete touch screen type system), 3.5" or more (for partial/ segment wise touch screen system), 5 SEGMENTS OR MORE FOR led DISPLAY
	<b>Number of tissues sensed per sec</b>	Above 3000
Monopolar and Bipolar Modes	<b>Number of cutting modes in monopolar</b>	Above 2
	<b>Maximum Power</b>	Above 300
	<b>No of monopolar coagulation modes available</b>	Above 3

Specification	Specification Name	Bid Requirement (Allowed Values)
	<b>Coagulation mode power (monopolar)</b>	Above 120
	<b>Coagulation mode power (Bipolar)</b>	Above 120
	<b>Number of bipolar cutting modes</b>	Above 3
	<b>Maximum Power for for ligation</b>	Above 95
	<b>Maximum power for resection</b>	Above 150
Vessel Sealing System	<b>Power output of Vessel sealing system (VSS)</b>	Above 150
Accessories	<b>Double pedal footswitch with toggle function (common/individual for monopolar, bipolar and vessel sealing)</b>	1, 2, 3
Monopolar and Bipolar Instruments	<b>Change of monopolar power setting from the sterile field with the help of monopolar forceps pencil</b>	Yes, No Or higher
Open Vessel Sealing Instrument	<b>Qty of the above dedicated instruments with cable for sealing for 7mm vessels (in mm) (reusable or disposable)</b>	1 of each selected type (Reusable) or 10 of each selected type (disposable), 2 of each selected type (Reusable) or 20 of each selected type (disposable)
Miscellaneous Parameters	<b>Warranty (Option of comprehensive warranty is available through bidding only, which if opted will supersede normal warranty in the catalogue)</b>	5, 1, 2, 3, 4
	<b>Number of installations in Central /State/PSU Govt Hospitals ( Hint: In case demanded after placement of order Seller should furnish certificate supporting claims regarding satisfactory installation of the equipment)</b>	No installations, Upto 3, More than 3

### Comprehensive Maintenance

Warranty of required product	5 Year
Comprehensive Maintenance Duration (Post Warranty)	5 Year

\*Warranty displayed under the AMC/CMC Details section will supersede the warranty displayed under the catalog specification

**Additional Specification Parameters - Integrated Electrosurgical Unit And Vessel Sealer ( 4 pieces )**

Specification Parameter Name	Bid Requirement (Allowed Values)
TECHNICAL REQUIREMENT	REQUIRED TECHNICAL SPECIFICATIONS HAS BEEN ATTACHED IN "BUYER ADDED BID SPECIFIC ATC". BIDDERS ARE REQUIRED TO QUOTE FOR THE PRODUCT MEETING WITH TECHNICAL REQUIREMENT GIVEN IN "BUYER ADDED BID SPECIFIC ATC" .

\* Bidders offering must also comply with the additional specification parameters mentioned above.

**Consignees/Reporting Officer and Quantity**

S.No.	Consignee/Reporting Officer	Address	Quantity	Delivery Days
1	Satish Sangawat	110029,National Centre for Ageing, AIIMS, New Delhi	4	60

**Buyer Added Bid Specific Terms and Conditions**

1. Experience Certificate for the supply of the same to any Govt/ PSU/ any renowned private organisation along with Supply/ Purchase Order.
2. Make in india specific authorisation certificate needs to be enclosed.
3. **Generic**

OPTION CLAUSE: The Purchaser reserves the right to increase or decrease the quantity to be ordered up to 50 percent of bid quantity at the time of placement of contract. The purchaser also reserves the right to increase the ordered quantity by up to 50% of the contracted quantity during the currency of the contract at the contracted rates. Bidders are bound to accept the orders accordingly.

4. **Buyer Added Bid Specific ATC**

Buyer Added text based ATC clauses

**Technical specification of Advanced Electro Surgical Unit with Vessel Sealing**

**Technology and key components:**

- The system should have Monopolar Out & coagulation, Bipolar and Vessel Sealing technology all integrated in one system.
- The System should have user Mendly 3 mdependent LCD touch screen TFT Display with focus. View feather touch screen (of at least 5 inches diagonally) display for monopolar, bipolar and Vessel seating technology,

with auto LCD Backlight adjustment for good visibility in operating room.

- The equipment should have Microcontroller based device incorporating closed loop control coagulation for all output modes in the microcontroller firm wire.
- The equipment should incorporate tissue sensing technology/Power peak system at least 3333 decisions per second on real time basis and it should have the technology to convert electrical energy to radiofrequency energy thus providing radiofrequency seal. It should also identify the tissue impedance and adjusts power accordingly to get the desired surgical effect on various tissue types.
- Vessel Fusion system should be able to seal artery, veins along with tissue bundle up to 7mm in diameter, sealed vessels should be able to withstand at least 3 times the systolic blood pressure.
- The Performance Efficiency Rating (PER) should be between 95-99 in different modes/ at auto cut effect at 40W
- Low Frequency Leakage should be between 50-60 Hz
- High frequency leakage (RF) should be less than 100mA in monopolar and vessel sealing mode and less than 60mA in bipolar mode.
- The system should have RS232, USB, Ethernet port or any other computer connectivity for on field software downloads, upgrades and serviceability.
- The system should have recall facility to recall the last setting used by user before turning of the power,
- The system should be upgradeable or should have bipolar resection (under water cutting).
- The system should be compatible with Argon, CUSA/Water Jet & Da Vinci robotic systems.
- Should have both foot and hand control mode for open as well as laparoscopy.
- It should be supplied with the original mounting cart manufactured by the same manufacturer of the system.

### **Monopolar and Bipolar:**

- The system should have separate monopolar mode that gives optimum cutting and coagulation.
- The system should have twin monopolar socket with independent power setting but only one should be activated at a time. The system should also have one universal adaptor socket for footswitch operation and two bipolar sockets.
- Monopolar outputs should have minimum two cutting modes: -
  - Ø Pure cut/Auto cut for clean, precise cut in general surgery having maximum power of 300-350 W.
  - Ø Blend mode/Dry cut mode for cutting with homeostasis having maximum power of 200 W.
- It should have minimum two Coagulation modes with maximum power of 120 W.
  - Ø Fulgurate mode/forced mode for efficient non-contact coagulation in most applications.
  - Ø Spray mode should have effect of varying amplitude and frequency for coagulating large tissue areas with minimum depth of necrosis.

- It should have minimum 3 bipolar modes with maximum power of 120W.  
Ø Standard, Low & Macro
- The Equipment should have On Screen review of error codes and diagnostics.
- The Equipment should have the following Alert Tones:
  - Ø Patient Pad monitoring Error Alert
  - Ø Reactivate/Regrasp Tissue Error Alert
  - Ø Instrument Checking Alert
  - Ø Complete or Incomplete Seal Alert
  - Ø Malfunctioning or System Error Alert
- It should have patient plate contact quality monitoring system, should give audiovisual alarm and deactivate output if contact between patient and patient plate is not proper to eliminate the risk of patient burns.
- The System should have Auto Bipolar start and stop where users can set the Auto start delay time and Auto Stop impedances range. User Time delay in intervals of 0.5seconds from 0 to 2.5seconds. Activation impedance 20-1000 Ohms.

### **Vessel Sealer:**

- Vessel sealing system should be of minimum 150-200W.
- Vessel sealing system should have the user control mechanism so that the surgeon can decide for a repeat seal before actually cutting it or even not cutting it. (No Auto-Cut).
- The system should be able to Seal vessels or tissue bundles faster than any conventional devices (preferably within 2-6 seconds).

### **Certification:**

- Equipment should have BIS/ US-FDA/ CE (European) certificate issued by notified bodies under directive 93/42/EEC Medical Device/ ISO 13485.
- Physical demonstration of the quoted model is mandatory,
- The comprehensive warranty will be 5 years (including all spares and labor) from the date of satisfactory installation of equipment. Also quote rates for comprehensive CMC (including all spares and labor) for 6th to 10th year, after expiry of warranty period. Cost of spares, accessories and consumables should also be quoted separately.
- 95% uptime of the machine. Facility for good after sale & service with trained engineers posted in Delhi. In case the down time exceeds 5% in a calendar year, the comprehensive warranty will be extended beyond 5 years for double the number of days for which the unit is non functioning. Similar clause will apply each year of CMC.
- Should be supplied with following accessories:
  - a) Disposable 10mm & 5mm Lap. Vessel Sealing & Dividing Instrument - 10 each
  - b) Reusable open surgery vascular sealer - 02 with their Disposable

- electrodes - 50 No's
- c) Disposable open surgery vascular sealing instrument - 10 No's
  - d) Three Button/Two Button monopolar Pencil with power control at sterile zone - 100 No's
  - e) Patient plate with cable - 200 no's

- All quoted items should be of a single manufacturer.
- Company should quote the latest model
- The Firms also quotes the rates of above accessories separately in the price bid under the heading "Optional" which will remain valid till lifetime of the equipment for future purchases.

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Note: The cost of accessories/ spares/ consumables etc required to be supplied along with the equipment shall be included in the quoted price. However, the prices of accessories/ spares/ consumables etc required for the equipment during lifetime of the equipment shall be quoted separately in pdf format which will be fixed for lifetime of the equipment for future purchases, if needed. If not quoted separately, that/ those accessories/ spares/ consumables etc need to be provided free of cost till lifetime of the equipment.

## Disclaimer

The additional terms and conditions have been incorporated by the Buyer after approval of the Competent Authority in Buyer Organization. Buyer organization is solely responsible for the impact of these clauses on the bidding process, its outcome and consequences thereof including any eccentricity / restriction arising in the bidding process due to these ATCs and due to modification of technical specification and / or terms and conditions governing the bid. Any clause incorporated by the Buyer such as demanding Tender Sample, incorporating any clause against the MSME policy and Preference to make in India Policy, mandating any Brand names or Foreign Certification, changing the default time period for Acceptance of material or payment timeline governed by OM of Department of Expenditure shall be null and void and would not be considered part of bid. Further any reference of conditions published on any external site or reference to external documents / clauses shall also be null and void. If any seller has any objection / grievance against these additional clauses or otherwise on any aspect of this bid, they can raise their representation against the same by using the Representation window provided in the bid details field in Seller dashboard after logging in as a seller within 4 days of bid publication on GeM. Buyer is duty bound to reply to all such representations and would not be allowed to open bids if he fails to reply to such representations.

## Additional Clause For Comprehensive Maintenance Charges

1.CMC shall include preventive maintenance including calibration as per technical/ service /operational manual of the manufacturer, service charges and spares, after satisfactory completion of Warranty. During the CMC period commencing from date of the successful completion of warranty period, Service personnel shall visit each consignee site as recommended in the manufacturer's technical/ service /operational manual, at least once in six months or as per user requirement. Cost of consumables shall not be included in CMC. Further there will be 98% uptime warranty during CMC period on 24 (hrs) X 7 (days) X 365 (days) basis, with penalty, to extend CMC period by double the downtime period.

2.CMC charges to be indicated as percentage of cost of equipment quoted for each year after the warranty period.

3.GST shall be included in the CMC Charges quoted.

4.Cost of CMC will be added for Ranking/Evaluation purpose with depreciation formula. A 10% discounting rate per year shall be applied on CMC Charges for price evaluation on Net Present Value.

5.The payment of CMC will be made on quarterly basis after satisfactory completion of said period, duly certified



by end user.

6. While creating a bid or RA, buyers shall indicate whether CMC is required against Yes/No" options. If CMC Charges are included, an option for number of years for CMC required after the warranty period shall be available. Under this option up to 10 years can be chosen for CMC charges beyond warranty period.

7. In case the bid has a provision for CMC, the warranty of the product will also be deemed to have been converted into Comprehensive warranty including preventive maintenance and calibration as per technical/ service /operational manual of the manufacturer, service charges and spares, during the Warranty Period also. Sellers are therefore advised to include the cost of Comprehensive Warranty including spares (excluding consumables) also in product Cost.

8. The CMC functionality shall be available in bid only and no direct RA shall be applicable. In case of bid to R/A decrement rules shall be applicable on total price inclusive of CMC charges. Bunching of products shall not be available while creating bids with CMC charges.

8.1. Buyer shall indicate number of years of warranty by selecting different options available in the field depending on warranty parameter applicable in category parameters for the equipment. No. of years of warranty indicated here shall supersede the warranty period indicated elsewhere in bid or product specifications. The Seller while participating in Bid/RA will get fields to indicate CMC charges as percentage depending on number of years of CMC selected by Buyer. The following shall be applicable, if 5 year CMC selected:

- CMC charges for 1st year after warranty period- Percentage to be indicated- A1
- CMC charges for 2nd year after warranty period- Percentage to be indicated- A2
- CMC charges for 3rd year after warranty period - Percentage to be indicated- A3
- CMC charges for 4th year after warranty period - Percentage to be indicated- A4
- CMC charges for 5th year after warranty period - Percentage to be indicated- A5

Similarly, A6 to A10 are to be indicated for 6th to 10th year of CMC if applicable.

8.2. The calculation of CMC Charges shall take into account the number of years of warranty and duration of CMC as specified while creating bid.

8.3. In the price evaluation, the system shall provide function to calculate the cost of each equipment by formula indicated below including CMC and then show the inter-se-ranking of the bidders. The following are the variables

- (i) Number of years for which CMC required.
- (ii) Number of years of product warranty

The formula for calculating total cost including CMC charges shall be as under:

Total Cost for evaluation=

$C + C * \{ (A1/100)/(1.10^n) + (A2/100)/(1.10^{n+1}) + (A3/100)/(1.10^{n+2}) + (A4/100)/(1.10^{n+3}) + (A5/100)/(1.10^{n+4}) \}$  and so on

C - Cost for equipment quoted and n shall be number of years of product warranty specified.

If 2 year warranty specified, n shall be 2 and if 5 year warranty specified, n shall be 5. A1, A2, A3, A4 & A5 shall depend on how many years CMC selected. For 3 year CMC, only A1, A2 and A3 factors are to be taken into account and A4 and A5 will not be applicable.

8.4. CMC charges offered for each subsequent year should be same or higher than preceding year.

8.5. The CMC charges shall be offered within range of 3 to 10% of cost of equipment.

9. Since CMC charges are to be paid only later for each year during CMC period, applicable performance guarantee amount after placement of contract shall be based on the cost of equipment excluding the cost of CMC Charges.

10. Performance bank guarantee applicable for CMC is to be submitted at start of the CMC and shall be applicable between 2.5% to 5% as specified in bid on total CMC Charges. The PBG submitted after award of contract shall be released only after new PBG for the CMC period is submitted and accepted by buyer/consignee after due verification. Bank guarantee for CMC is to remain valid till completion of CMC period plus one year. The bank guarantee for CMC shall be submitted to buyer directly. In case, seller fails to submit the PBG or does not provide services for the CMC contract after expiry of warranty period then PBG of equipment shall be forfeited.

11. In case of splitting of order quantity, equipment cost and CMC charges offered by L1 bidder shall be matched by higher quoting eligible bidders on one-to-one basis. The equipment cost and CMC charges (year to year) shall be matched individually.

12. The CMC Contract shall be an offline contract to be handled by buyer. The payment of CMC will be made on quarterly basis after satisfactory completion of said period, duly certified by end user and scope of CMC will be as per para 1 above.

13. CMC Charges are inclusive of all the charges for Transportation, Lodging, Boarding, all insurances including third party insurance and all other incidental charges. The same shall include GST. The prices also include cost of spares and damaged parts. Purchaser does not have any liability, whatsoever, over and above the cost of CMC. It also includes for arranging hand tools & tackles, special tools etc. required to carry out the work.

[This Bid is also governed by the General Terms and Conditions](#)

In terms of GeM GTC clause 26 regarding Restrictions on procurement from a bidder of a country which shares a land border with India, any bidder from a country which shares a land border with India will be eligible to bid in this tender only if the bidder is registered with the Competent Authority. While participating in bid, Bidder has to undertake compliance of this and any false declaration and non-compliance of this would be a ground for immediate termination of the contract and further legal action in accordance with the laws.

**---Thank You---**