

Bid Document

Bid Details	
Bid End Date/Time	26-03-2022 14:00:00
Bid Opening Date/Time	26-03-2022 14:30:00
Bid Life Cycle (From Publish Date)	90 (Days)
Bid Offer Validity (From End Date)	65 (Days)
Ministry/State Name	Ministry Of Health And Family Welfare
Department Name	Department Of Health And Family Welfare
Organisation Name	All India Institute Of Medical Sciences (aiims)
Office Name	Aiims, New Delhi
Total Quantity	1
Item Category	Ultrasound Scanning Machine (Q3)
MSE Exemption for Years of Experience and Turnover	No
Startup Exemption for Years of Experience and Turnover	No
Document required from seller	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
Bid to RA enabled	Yes
RA Qualification Rule	50% Lowest Priced Technically Qualified Bidders
Comprehensive Maintenance Charges Required	Yes
Time allowed for Technical Clarifications during technical evaluation	2 Days
Evaluation Method	Total value wise evaluation

EMD Detail

Required	No
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ePBG Detail

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

(a). 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.

Ultrasound Scanning Machine (1 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)
Types of Probes & Features	Microconvex array	Yes, No Or higher
	Volume Convex Probe	Yes, No Or higher
	Volume Linear Probe	Yes, No Or higher
	Volume TV Probe	Yes, No Or higher
	E- Breast Elastography	Yes, No Or higher
	E- Thyroid Elastography	Yes, No Or higher
	Liver Elastography	Yes, No Or higher
	Intraoperative Probe	Yes, No Or higher
	Gel Warmer	Yes, No Or higher
	Dedicated 3-D/4-D	Yes, No Or higher
Scan Modes	Contrast harmonic imaging with angio mode	Yes, No Or higher
	Contrast-enhanced ultrasound (CEUS) option	Yes, No Or higher
	Tissue synchronization, tissue velocity	Yes, No Or higher
	Provision for higher sensitivity for low frequency doppler in all probes	Yes, No Or higher
	Number of Channels in color doppler system	50000 or more (If channels are being designated as digital channels), 128 or more (if channels are being designated as physical channels)

Specification	Specification Name	Bid Requirement (Allowed Values)
	Live 3 D imaging in color doppler system	Yes, No Or higher
	Colour Doppler system with all application packages ,Quad loop for serial studies with high frame rate revies, harmonic imaging capability in all modes and integrated stress echo package digital storage and retrieval	Yes, No Or higher
	Provision of Tissue Colorization (B-Colour) for improved contrast resolution	Yes, No Or higher
	Cine Loop Features	Yes, No Or higher
	Frame grabber facility for post analysis	Yes, No Or higher
	Number of transducer/probe ports	2, 3, 4
	System should be capable of generating real time live 3- D images	Yes, Yes with MVNo Analysis, No
	Contrast agent imaging	Yes, No Or higher
IMAGE DISPLAY AND PROCESSING	DICOM 3 COMPLIANT	Yes, No Or higher
	Automated B-mode (2-D) image	Yes, No Or higher
	Automated CDI image optimization	Yes, No Or higher
	Automated PW Doppler image optimization	Yes, No Or higher
	Touch Screen	Yes, No Or higher
	Monitor display size, cm (in)	48.3 (19) LCD with handle, 54.6 (21.5) LCD with handle, 58.4 (23) LCD with handle, 61 (24) widescreen high-resolution monitor, 39.6 (15.6) widescreen high-resolution monitor, 43.18 (17) LCD with handle
	Split screen	Twin View, Twin View and Live Quad Screen
	Single/dual monitors	Single, Single with optional second console, Dual (image display and touch panel)
	DVD/CD Writer	Yes, No Or higher
	Type of processor	i7 or latest, NA
	RAM capacity of PC in GB (hint: In caase PC not provided put zero)	≥ 4, NA
	Processor speed in GHZ	≥ 3, NA

Specification	Specification Name	Bid Requirement (Allowed Values)
	Frame Grabber incorporated	Yes, No Or higher
	Connectivity between USG and PC	Yes, No Or higher
	PC with all software inclusive interfaced with USG machine	Yes, No Or higher
	laser Color printer provided with computer for reporting	Yes, No Or higher
	Inkjet printer provided with computer for reporting	Yes, No Or higher
	CD/DVD Produced should be playable on any system	Yes, No Or higher
	Glossy Colour Print Paper supplied	500 sheets, 1000 sheets, NA
	Dicom Interfacability Dicom to PACS	Yes, No Or higher
	Interfacability Dicom to RIS	Yes, No Or higher
Power Requirements	Resettable over current breaker shall be fitted for protection	Yes, No Or higher
	Power backup	UPS, Inbuilt battery
	Back up time in minutes	30, 60
	Suitable Servo Controlled Stabilizer / CVT should be provided	Yes, No Or higher
Miscellaneous Parameters	Warranty (Option of comprehensive warranty is available through bidding only, which if opted will supersede normal warranty in the catalogue)	3, 5, 1, 2, 4
	Number of installations of the USG machines in Central /State/PSU Govt Hospitals(Note: Seller should supply a performace certificate of the device to the buyer if demanded after placement of order)	0, Less than 3, More than 3

Comprehensive Maintenance

Warranty of required product	5 Year
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Comprehensive Maintenance

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 - Ultrasound Scanning Machine (1 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,Ansari Nagar	1	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

Specifications for Intraoperative ultrasound system for open and Laparoscopic surgeries - One unit

- A. Should have short boot time not more than 60 seconds
- B. Should have Ultra High Resolution for Imaging and Doppler
- C. Should have graphic processing unit for faster work process.
 - D. Should have speckle reduction technology for enhancing tissue margins for better anatomical visualization and to improve better organ anatomy from different angles

- E. Should have optimization of ultrasound image formation by using multi channel synthesis technology to reduce noise and artifacts
- F. Should have 19" flat panel monitor with swivel facility
- G. Should have back illuminated keyboard
- H. Control panel should be sealed and spill proof for easy cleaning and disinfection
- I. Should have height adjustable mechanism with control panel
- J. Should have facility to compensate the motion related imaging artifacts
- K. Should have technology to maintain auto focus for entire imaging depth
- L. System should have auto axial and lateral gain facility
- M. Should have DICOM and Wificapabilities
- N. Should have an internal hard drive to store images
- O. USB flash memory drive should be the part of the system
- P. Should be of latest generation digital beam former technology
- Q. Sterilizable remote control for convenient control of the system in the sterile field should be supplied
- R. Imaging Modes: System should have following modes:
 - a. B mode
 - b. M Mode
 - c. Color Doppler
 - d. Power Doppler
 - e. Pulsed Wave Doppler
 - f. Continuous Wave Doppler
 - g. Tissue Harmonic Imaging
 - h. Contrast Imaging
- S. In Doppler mode, system should have technology to detect high flow in ROI and place Doppler gates automatically and should provide angle independent doppler velocity measurements.
- T. Should have facility to connect at least four transducers.
- U. Transducer should have pin less connector for easy insertion and to reduce noise
- V. Convex, linear and transrectal transducers should have programmable start and stop buttons.
- W. All quoted transducers should be fully immersible for easy sterilization and also compatible with standard sterilization methods like Sterrad and Steris systems.
- X. Equipment should have BIS/ US-FDA/ CE (European) certificate issued by notified bodies under directive 93/42/EEC Medical Devices.
- Y. The following transducers are to be supplied along with the scanner:
 - 2-6MHz convex abdominal transducer with an Autoclavable puncture attachment
 - 4-12 MHz trans rectal probe with simultaneous biplane imaging facility to visualise sagittal as well as transverse plane of prostate. The same probe should have end fire array for scanning the apical areas of the prostate. It should have puncture attachment for transrectal as well as transperineal biopsy.
 - 3-14 MHz linear transducer with angle independent velocity measurements for vascular, small parts, testes, breast and thyroid scans should be quoted. System should be able optimizes Doppler parameters automatically.
 - 12-4 MHZ four way deflectable laparoscopic transducer.
- Z. All parts including transducer and puncture attachments should be covered in CMC

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---