Bid Number/बोली क्रमांक (बिड संख्या):
GEM/2025/B/6063020
Dated/दिनांक : 17-03-2025

Bid Document/ बिड दस्तावेज़

Bid Details/बिड विवरण	
Bid End Date/Time/बिड बंद होने की तारीख/समय	24-03-2025 12:00:00
Bid Opening Date/Time/बिड खुलने की तारीख/समय	24-03-2025 12:30:00
Bid Offer Validity (From End Date)/बिड पेशकश वैधता (बंद होने की तारीख से)	180 (Days)
Ministry/State Name/मंत्रालय/राज्य का नाम	Ministry Of Health And Family Welfare
Department Name/विभाग का नाम	Department Of Health And Family Welfare
Organisation Name/संगठन का नाम	Hll Lifecare Limited
Office Name/कार्यालय का नाम	Hll Bhavan, Registered Office, Poojapura
क्रेता ईमेल/Buyer Email	buycon47.hll.kl@gembuyer.in
Total Quantity/कुल मात्रा	2
Item Category/मद केटेगरी	Ultrasound Machine (V2) (Q2)
Minimum Average Annual Turnover of the bidder (For 3 Years)/बिडर का न्यूनतम औसत वार्षिक टर्नओवर (3 वर्षों का)	60 Lakh (s)
Years of Past Experience Required for same/similar service/उन्हीं/समान सेवाओं के लिए अपेक्षित विगत अनुभव के वर्ष	3 Year (s)
MSE Exemption for Turnover/टर्नओवर के लिए एमएसई को छूट प्राप्त है	Yes
Startup Exemption for Years of Experience and Turnover/ अनुभव के वर्षों से स्टार्टअप छूट	No
Document required from seller/विक्रेता से मांगे गए दस्तावेज़	Experience Criteria,Past Performance,Bidder Turnover,Certificate (Requested in ATC),OEM Authorization Certificate,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
Do you want to show documents uploaded by bidders to all bidders participated in bid?/	No

Bid Details/बिड विवरण	
Past Performance/विगत प्रदर्शन	30 %
Bid to RA enabled/बिड से रिवर्स नीलामी सक्रिय किया	Yes
RA Qualification Rule	50% Lowest Priced Technically Qualified Bidders
Type of Bid/बिड का प्रकार	Two Packet Bid
Time allowed for Technical Clarifications during technical evaluation/तकनीकी मूल्यांकन के दौरान तकनीकी स्पष्टीकरण हेतु अनुमत समय	2 Days
Inspection Required (By Empanelled Inspection Authority / Agencies pre-registered with GeM)	No
Evaluation Method/मूल्यांकन पद्धति	Total value wise evaluation
Financial Document Required/वित्तीय दस्तावेज की आवश्यकता है।	Yes
Arbitration Clause	No
Mediation Clause	No

EMD Detail/ईएमडी विवरण

Advisory Bank/एडवाईजरी बैंक	HDFC Bank
EMD Amount/ईएमडी राशि	240000

ePBG Detail/ईपीबीजी विवरण

Advisory Bank/एडवाइजरी बैंक	State Bank of India
ePBG Percentage(%)/ईपीबीजी प्रतिशत (%)	5.00
Duration of ePBG required (Months)/ईपीबीजी की अपेक्षित अवधि (महीने).	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./जेम की शर्तों के अनुसार ईएमडी छूट के इच्छुक बिडर को संबंधित केटेगरी के लिए बिड के साथ वैध समर्थित दस्तावेज़ प्रस्तुत करने है। एमएसई केटेगरी के अंतर्गत केवल वस्तुओं के लिए विनिर्माता तथा सेवाओं के लिए सेवा प्रदाता ईएमडी से छूट के पात्र हैं। व्यापारियों को इस नीति के दायरे से बाहर रखा गया है।

(b). EMD & Performance security should be in favour of Beneficiary, wherever it is applicable./ईएमडी और संपादन जमानत राशि, जहां यह लागू होती है, लाभार्थी के पक्ष में होनी चाहिए।

Beneficiary/लाभार्थी :

General Manager (HR)
POWER GRID CORPORATION OF INDIA LIMITED ODISHA Head of Personnel/ Regional CSR Coordinator Powergrid

Corporation of India Limited Plot No.4, Unit-41 Naladri vihar, Chandrasekharpur Bhubaneswar-751021 (Prasad K R)

MII Purchase Preference/एमआईआई खरीद वरीयता

MII Purchase Preference/एमआईआई खरीद वरीयता	No

Details of the Competent Authority for MII

Name of Competent Authority	UNDER SECRETARY (PROCUREMENT POLICY)
Designation of Competent Authority	UNDER SECRETARY (PROCUREMENT POLICY)
Office / Department / Division of Competent Authority	DEPT OF EXPENDITURE, MINISTRY OF FINANCE
CA Approval Number	F-4/1/2023-PPD
Competent Authority Approval Date	17-02-2025
Brief Description of the Approval Granted by Competent Authority	RELAXATION UNDER RULE I61 (IV) GENERAL FINANCIAL RULES 2017 FOR ISSUANCE OF GTE

Competent Authority Approval for not opting Make In India Preference : View Document

MSE Purchase Preference/एमएसई खरीद वरीयता

MSE Purchase Preference/एमएसई खरीद वरीयता	Yes

1. If the bidder is a Micro or Small Enterprise as per latest definitions under MSME rules, the bidder shall be exempted from the requirement of "Bidder Turnover" criteria and "Experience Criteria" subject to meeting of quality and technical specifications. If the bidder is OEM of the offered products, it would be exempted from the "OEM Average Turnover" criteria also subject to meeting of quality and technical specifications. In case any bidder is seeking exemption from Turnover / Experience Criteria, the supporting documents to prove his eligibility for exemption must be uploaded for evaluation by the buyer.
2. The minimum average annual financial turnover of the bidder during the last three years, ending on 31st March of the previous financial year, should be as indicated above in the bid document. Documentary evidence in the form of certified Audited Balance Sheets of relevant periods or a certificate from the Chartered Accountant / Cost Accountant indicating the turnover details for the relevant period shall be uploaded with the bid. In case the date of constitution / incorporation of the bidder is less than 3-year-old, the average turnover in respect of the completed financial years after the date of constitution shall be taken into account for this criteria.
3. Experience Criteria: In respect of the filter applied for experience criteria, the Bidder or its OEM {themselves or through reseller(s)} should have regularly, manufactured and supplied same or similar Category Products to any Central / State Govt Organization / PSU for number of Financial years as indicated above in the bid document before the bid opening date. Copies of relevant contracts to be submitted along with bid in support of having supplied some quantity during each of the Financial year. In case of bunch bids, the category of primary product having highest value should meet this criterion.
4. Purchase preference will be given to MSEs having valid Udyam Registration and whose credentials are validated online through Udyam Registration portal 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 themselves of the Purchase preference, the bidder must be the manufacturer / OEM of the offered product on GeM. Traders are excluded from the purview of Public Procurement Policy for Micro and Small Enterprises and hence resellers offering products manufactured by some other OEM are not eligible for any purchase preference. 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 and Buyer will decide eligibility for purchase preference based on documentary evidence submitted, while evaluating the bid. 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 MSE Seller shall be given opportunity to match L-1 price and contract will be awarded for 25% (selected by Buyer) percentage of total quantity. The buyers are advised to refer the OM No. F.1/4/2021-PPD dated 18.05.2023 OM_No.1_4_2021_PPD_dated_18.05.2023 for compliance of Concurrent application of Public Procurement Policy for Micro and Small Enterprises Order, 2012 and Public Procurement (Preference to Make in India) Order, 2017. Benefits of MSE will be allowed only if seller is validated on-line in GeM profile as well as validated and approved by Buyer after evaluation of documents submitted.
5. Past Performance: The Bidder or its OEM {themselves or through re-seller(s)} should have supplied same or similar Category Products for 30% of bid quantity, in at least one of the last three Financial years before the bid opening date to any Central / State Govt Organization / PSU. Copies of relevant contracts (proving supply of cumulative order quantity in any one financial year) to be submitted along with bid in support of quantity supplied in the relevant Financial year. In case of bunch bids, the category related to primary product having highest bid value should meet this criterion.
6. Short Duration Bid has been published by the Buyer with the approval of the Competent authority due to Emergency procurement of critical products/services.

7. 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.

Excel Upload Required/एक्सेल में अपलोड किए जाने की आवश्यकता :

BOQ196 PRICE BID - 1742210825.xlsx

Ultrasound Machine (V2) (2 pieces)

Technical Specifications/तकनीकी विशिष्टियाँ

* जेम केटेगरी विशिष्टि के अनुसार / As per GeM Category Specification

Specification	Specification Name/विशिष्टि का नाम	Bid Requirement/बिड के लिए आवश्यक (Allowed Values)/अनुमत मूल्य
Types of Probes & Features	**Convex Probe**	2.5 to 5 MHz (±2), Not Provided
	Microconvex probe	4 to 8 MHz (±2), Not Provided
	Linear array probe	5 to 10 MHz (±2), 3 to 12 MHz (±2), 6 to 15 MHz (±2), 6 to 18 MHz (±2), Not provided
	TVS Probe	4 to 9 MHz (±2), Not Provided
	Cardiac Probe	1 to 5 MHz (±2), 5 to 9 MHz (±2), Not Provided
	Hockey Stick Probe	6 to 17 MHz (±2), 6 to 13 MHz (±2), 8 to 20 MHz (±2), Not Provided
	Volume Convex Probe	2.5 to 5 MHz (±2), Not Provided
	Volume Linear Probe	3 to 12 MHz (±2), 6 to 15 MHz (±2), 6 to 18 MHz (±2), 5 to 10 MHz (±2), Not Provided
	Volume TVS Probe	4 to 9 MHz (±2), Not Provided
	Endorectal Probe	5 to 9 MHz (±2), Not Provided

Specification	Specification Name/विशिष्टि का नाम	Bid Requirement/बिड के लिए आवश्यक (Allowed Values)/अनुमत मूल्य
	E-Breast Elastography technique	Yes, No
	E-Thyroid Elastography technique	Yes, No
	Liver Elastography technique	Yes
	Gel Warmer	Yes, No
	Dedicated 3-D/4-D	Yes, No
Scan Modes	**Contrast harmonic imaging with angio mode**	Yes, No
	Provision of Harmonic imaging in Linear Probes	Yes, No
	Color Doppler imaging (CDI)	Yes, No
	Color Doppler 3-D/4-D option	Yes, No
	Power Doppler imaging (PDI)	Yes, No
	Power Doppler 3-D/4-D option	Yes, No
	Continuous wave	Yes, No
	Triplex mode	Yes, No
	Tissue Doppler imaging	Yes, No
	Contrast-enhanced ultrasound (CEUS) option	Yes, No
	Tissue synchronization, tissue velocity	Yes, No
	Provision for higher sensitivity for low frequency doppler in all probes	Yes, No
	Number of channels in color doppler system	50000 or more (if channels are being designated as digital channels), 300000 or more (if channels are being designated as digital channels), 1000000 or more (if channels are being designated as digital channels), 2500000 or more (if channels are being designated as digital channels), 4000000 or more (if channels are being designated as digital channels), 128 or more (if channels are being designated as physical channels)
	Live 3 D imaging in color doppler system	Yes, No

Specification	Specification Name/विशिष्टि का नाम	Bid Requirement/बिड के लिए आवश्यक (Allowed Values)/अनुमत मूल्य
	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
	Provision of Tissue Colorization (B-Colour) for improved contrast resolution	Yes, No
	Cine Loop Features	Yes, No
	Frame grabber facility for post analysis	Yes, No
	Number of transducer/probe ports	2, 3, 4 or More
	System should be capable of generating real time live 3- D images	Yes, No
	Contrast agent imaging	Yes, No
Image Display and Processing	**DICOM 3 Compliant**	Yes, No
	Automated B-mode (2-D) image	Yes, No
	Automated CDI(Color Doppler Imaging) image optimization	Yes, No
	Automated PW Doppler image optimization	Yes, No
	Touch Screen	Yes, No
	Monitor display size (inch)	15 or more, 17 or more, 19 or more, 21 or more Or higher
	Split screen	Twin View, Twin View and Live Quad Screen, No
	Single/dual monitors	Single, Single with optional second console, Dual (image display and touch panel)
	Max number frames	>=1000, >=500
	Digital storage hard drive, GB	>=500, >=200 or more
	DVD/CD Writer/ USB	Yes, No
	Type of processor (in PC)	i7 or latest, NA
	RAM capacity of PC in GB (hint: In case PC not provided put zero)	? 4, NA

Specification	Specification Name/विशिष्टि का नाम	Bid Requirement/बिड के लिए आवश्यक (Allowed Values)/अनुमत मूल्य
	Processor speed in GHz (PC)	? 3, NA
	Frame Grabber incorporated(PC)	Yes, No
	Connectivity between USG and PC	Yes, No
	PC with all software inclusive interfaced with USG machine	Yes, No
	Laser Color printer provided	Yes, No
	Inkjet/Thermal printer provided	Yes, No
	CD/DVD/USB Produced should be playable on any system	Yes, No
	Glossy Colour Print Paper supplied	500 sheets, 1000 sheets, NA
	Dicom Interfacability Dicom to PACS	Yes, No
	Interfacability Dicom to RIS	Yes, No
Power Requirements	**Resettable over current breaker shall be fitted for protection**	Yes, No
	Power backup	UPS, Inbuilt battery
	Back up time in minutes (minimum)	30, 60, 90, 120 **(minute)**
	Suitable Servo Controlled Stabilizer / CVT should be provided	Yes, No
Warranty and Maintenance	**Warranty in Years (Option of comprehensive warranty is available through bidding only, which if opted will supersede normal warranty in the catalogue)**	3, 5 Or higher **(year)**

Additional Specification Parameters - Ultrasound Machine (V2) (2 pieces)

Specification Parameter Name	Bid Requirement (Allowed Values)

Specification Parameter Name	Bid Requirement (Allowed Values)
TECHNICAL SPECIFICATION	The specification provided in GEM tender document is only for reference and for actual specifications Bidders are requested to refer the Tender Document uploaded by HLL as ATC under the heading 'Buyer Added Bid Specific Terms and Conditions
PRODUCT COMPLIANCE SHEET	Bidder has to provide item by item compliance sheet as per attached ATC specification

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

Consignees/Reporting Officer/परेषिती/रिपोर्टिंग अधिकारी and/ तथा Quantity/मात्रा

S.No./क्र. सं.	Consignee Reporting/Officer/ परेषिती/रिपोर्टिंग अधिकारी	Address/पता	Quantity/मात्रा	Delivery Days/डिलीवरी के दिन
1	Prasad K R	695012,HLL LIFECARE LTD, HLL BHAVAN, POOJAPURA, THIRUVANANTHAPURAM	2	30

Special terms and conditions-Version:1 effective from 15-04-2024 for category Ultrasound Machine (V2)

1. 1. *A*ll Provisions of Drugs and Cosmetics Act, 1940 and Rules (including Medical Device Rule 2017) made there under as amended till date will always be applicable. This will include all notifications issued by Central Drugs Standard Control Organization (CDSCO), Ministry of Health & Family Welfare (MoHFW) and Department of Pharmaceuticals (DOP), Ministry of Chemicals & Fertilizers time to time in this regard.
   2. The sellers are registered on GeM based on self declaration of valid Medical Device License, product certification, test reports etc. However, buyers must check and validate the details at their end for all applicable licenses and certifications e.g., validity and authenticity/genuineness of Medical Device license, product certification, manufacturer certification/licenses, test reports etc.
   3. In case of authorized resellers/distributors, it will be the legal & regulatory liability of the manufacturer to ensure that their resellers/distributors are operating in compliance with all relevant laws and regulations and are properly licensed to sell the manufacturer's products, including verifying the validity and authenticity of Medical Device license held by them.
   4. The price offered by the seller/bidder shall not, in any case exceed the DPCO/NPPA controlled price or price fixed by State Government, if any. The seller must reduce the prices if there is any reduction in DPCO/NPPA ceiling price or price fixed by State Government, if any.
   5. Any other Terms and Conditions which is not included or at variance with the conditions specified in STC/GTC, may be added by the buyer through Additional Terms and Conditions (ATC) in the bid to ensure items are procured from authentic/validated source with appropriate and applicable quality. The above terms and conditions are in reverse order of precedence i.e. ATC shall supersede specific STC which shall supersede General Terms and Conditions (GTC), whenever there are any conflicting provisions.
   6. **Comprehensive warranty:** Comprehensive warranty shall include preventive maintenance including calibration as per technical/ service /operational manual of the manufacturer, service charges and spares. During the warranty 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. warranty shall not be including the consumables. Further there will be 98% uptime warranty during warranty period on 24 (hrs) X 7 (days) X 365 (days) basis, with penalty, to extend warranty period by double the downtime period.
   7. **Service centres:** Details of Service outlets in India to render services for equipment to be furnished to buyer/consignees with complete address, telephone numbers, e mails etc at time of

making the supplies. It shall be the responsibility of seller to ensure that authorized service centres are available to cater to the areas where supplies are made within reasonable distance from where the service calls can be handled. Details of toll-free numbers for service call and online registration of service requests also to be provided buyer/consignee at the time of supplies.

8. **Source of supply:** It shall be responsibility of seller to provide Documents regarding source of equipments such as copy of Performa invoice or any other documents to establish that the products supplied are manufactured by OEM indicated and sourced from them.
9. **Packing and Marking:** Medical equipments being very delicate and sensitive packing for the goods should be strong and durable enough to withstand transit including transhipment (if any), rough handling, open storage etc. without any damage, deterioration etc. .The size, weights and volumes of the packing cases, remoteness of the final destination of the goods, availability or otherwise of transport and handling facilities at all points during transit up to final destination,. Quality of packing, the manner of marking within & outside the packages and provision of accompanying documentation shall take into consideration the type of medical equipments being supplied. The accessories shall be suitably labelled and packed. Each of the package shall be marked on three sides with indelible paint of proper quality: indicating contract number and date, brief description of goods including quantity, Packing list reference number, country of origin of goods and any other relevant details.
10. **Spare Parts:** Seller shall provide materials, information etc. pertaining to spare parts manufactured and supplied by the OEM. It shall be ensured that the required spares are available for purchase at least for 10 years from date of supplies. In case due to any reasons the production of the spare parts is discontinued sufficient advance notice should be given to the buyer/consignee before such discontinuation to provide adequate time to purchase the required spare parts etc. Further, OEM and their service centres/dealers shall carry sufficient inventories to assure ex-stock supply of consumables and spares for the equipments so that the same are available. OEM or reseller shall always accord most favoured client status to the buyer/consignee and shall give the most competitive price for spares and consumables of its machines/equipments supplied.
11. **Installation, Training, Manuals:** Seller shall be responsible to carry out Installation & commissioning, Supervision and Demonstration of the goods. They shall provide required jigs and tools for assembly, minor civil works for the completion of the installation and Training of Consignee's representatives for operating and maintaining the equipment and supplying required number of operation & maintenance manual for the goods. In case the category parameters are specifying any requirements regarding the installations, training and manuals the same shall also be applicable.
12. **Electrical safety checking:** Sellers are required to make sure that they furnish the list of equipments for carrying out routine and preventive maintenance to buyer/consignee .They should make sure to periodically check the electrical safety aspects as per BIS Safety Standards or equivalent .In case they do not have required equipment for such testing should ensure that the equipments checked for electrical safety compliance through labs with facilities for such checking during every preventive maintenance call.
13. **Software:** All software updates should be provided free of cost during warranty period.

Buyer Added Bid Specific Terms and Conditions/क्रेता द्वारा जोड़ी गई बिड की विशेष शर्तें

1. **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 up to 50% of the contracted quantity during the currency of the contract at the contracted rates. The delivery period of quantity shall commence from the last date of original delivery order and in cases where option clause is exercised during the extended delivery period the additional time shall commence from the last date of extended delivery period. The additional delivery time shall be (Increased quantity ÷ Original quantity) × Original delivery period (in days), subject to minimum of 30 days. If the original delivery period is less than 30 days, the additional time equals the original delivery period. The Purchaser may extend this calculated delivery duration up to the original delivery period while exercising the option clause. Bidders must comply with these terms.

2. **Buyer Added Bid Specific ATC**

   Buyer Added text based ATC clauses

TECHNICAL SPECIFICATION

HIGH END ULTRASOUND MACHINE WITH COLOR DOPPLER WITH 4 PROBES

A. Product & Manufacturer Quality Standards:

1. The quoted model should be USFDA (510k/CFG) AND EU-CE certified. The EU-CE certificate should be issued from the notified body having notified body number".

2. The manufacturer of the quoted product should have "EN ISO 13485 certificate issued from a notified body" OR "ICMED 13485 (with or without plus) certificate issued from certification bodies accredited by NABCB" OR "ISO 13485 certificate issued from certification bodies accredited by NABCB/Nationally Recognized Accreditation Board under IAF MLA".

3. The quoted model should comply with IEC 60601-2-37 or equivalent: Basic safety and essential performance of ultrasonic medical diagnostic and monitoring equipment.

4. The quoted model of the medical device must be registered under CDSCO and submit the license to manufacture for sale or for distribution of the medical device. If not registered, the acknowledgment copy of the online applications for the said registration must be uploaded in the bid.

B. Technical Specification:

1. Clinical use: General purpose ultrasonic scanning systems provide two-dimensional (2-D) B-mode images of soft tissues without subjecting patients to ionizing radiation. It intends to primarily for abdominal, obstetric/gynecologic (OB/GYN), small-parts, vascular imaging.

2. Applications: Abdomen, abdominal vascular, urology, OB/GYN, neonatal brain, small parts (breast, thyroid, scrotal, prostate, MSK).

a) Types of Probes with features:

1. The Linear probe should have 1000 elements or more, with frequency range of 4 – 15 Mhz

2. The quoted model should have **Convex Array Probe** with Strain & Shear wave elastography. Working frequency 1-5 MHz (±1MHz).

3. The quoted model should have **Volume Convex Probe**, working frequency 1-5 MHz (±1MHz).

4. The quoted model should have **Linear Probe** for small parts such as Thyroid,

Breast, MSK applications. Working frequency 5-15 MHz (±1MHz).

5. The quoted model should have **TV/TR Probe** for Gyaenac Studies with strain e lastography for prostate. Working frequency 4-9 MHz(±1MHz).

6. The quoted model should have E- Breast elastography, E- Thyroid elastography , Liver elastography.

7. The quote model should be upgradeable to volume TV probe.

b) Scan modes with features:

1. The quoted model should have the following scan modes:

i. B-mode.

ii. M-mode.

III. Contrast harmonic Imaging with angio mode.

iv. Tissue harmonic imaging mode.

v. Provision of Harmonic imaging in Linear Probes.

vi. Color Doppler Imaging (CDI).

vii. Color Doppler 3-D/4-D option.

viii. Power Doppler Imaging (PDI).

ix. Continuous wave.

x. Pulsed wave.

xi. Duplex mode.

xii. Triplex mode.

xiii. Tissue Doppler imaging.

xiv. Contrast-enhanced ultrasound (CESU).

2 The quoted model should have Tissue synchronization, tissue velocity fe ature.

3 It should have Gain control in two dimensions for additional level of flexi bility for image quality control.

4 It should have "Provision for higher resolution" i.e Real time high frequency 2D.

5 All the probes should be supplied with latest generation bandwidth.

6 It should have provision for higher sensitivity for low frequency doppler in all probes.

7 If channels are being designated as digital channels, then the Number of Channels in color doppler system should be 450000 or more.

8. It should have real time Live 3D Imaging feature in color doppler system.

9. It should have Colour Doppler system with all application packages, Quad loop for serial studies with high frame rate revives, harmonic imaging capability in all modes and integrated stress echo package digital storage and retrieval.

10. The Number of grey shades for sharp contrast resolutions should be 280db or more.

11. It should have High-definition acoustic zoom provision for enlarging sections of 2D and Color flow images with more acoustic information for greater clarity and detail while maintaining an optimal frame rate.

12. It should have Color flow imaging option and provision for tissue colorization (B-color) for improved contrast resolution.

13. All application packages should be inbuilt into the system.

14. It should have Cine Loop Features with loop memory of 1000MB or 2000 frames storage or more.

15. It should have various maps for pre & post processing (frame grabber facility for post analysis).

16. It should have total 4 nos. of live transducer/probe ports.

17. It should have User defined system and application presets for multi-user depa rtment.

18. System shall support the ability to store digital data in, that allows to optimize imaging parameters such as B Gain, TGC, Color Gain, Dynamic Range, Speckle Reduction levels, Doppler Gain, Doppler Base Line on old Images & old loops re called from the image archive.

19. 2D Shear Wave elastography should be available in convex & Linear Probe and TV

20. System should be Fusion/ Navigation ready for future upgrades & System shou ld be upgradable to volume navigation feature which fuses live ultrasound imag ing with different multimodality imaging such as CT/MR/PET-CT and System sho uld have a facility to register CT/MR modality volume automatically on an ultras ound image.

21. System should have the capability to measure the area of lesions/Cyst automat ically.

22. Equipment should have fat quantification software.

c) Image display and processing:

1. The quoted model should be DICOM 3 complaint or higher.

2. It should have the features: Adjustable transmit focus, Automated B-m ode (2-D) Image, Automated CDI Image optimization, Automated PW Dop pler image optimization, Dynamic receive focus, Image magnification (zo om), Real-time image, Frozen image.

3. The quoted model should have monitor with high resolution with "Provi sion of Tilt and Swivel monitor should be able to view in all angles and all light conditions".

4. The quoted model should have dual display (image display and touch p anel) with split screen twin view.

5. The monitor should be LCD type with screen size 21inchs or more.

6. Imaging depth ≥40cm.

7. The quoted model should have pre processing and post processing fea ture, selectable dynamic range, spectrum analyzer, DIGITAL IMAGE STOR AGE and cine loop playback

8. It should have Maximum number frames of 2000.

9. The model should have Digital storage hard drive of 500GB or more.

10. The model should have features: Speckle-tracking strain and strain ra te, Exam protocols, Digital calipers, Exam presets, Customizable presets, On-screen annotation.

11. The model should have DVD/CD Writer, Flash Memory and USB conne ctor.

12. The model should have Facility for high definition digital acquisition, r eview and editing of complete patient studies.

13. The model should have processor 17 or latest, 4GB or more RAM, 3GHz or more processor speed.

14. It should have PC with all software inclusive Interfaced with USG mac hine with option of CD/DVD drive.

15. PC should be supplied with color laser printer (1no.) for reporting, the rmal printer(1no.) (Small & compact) in USG for printing ultrasound imag e.

16. The model should have Dicom 3.0 Interfacability to PACS and RIS.

17. The supplied USG system should be upgradable to next generation sy stem on site.

C. Accessories:

1. Glossy color paper print for color laser printer 1000 sheets.

2. Thermal printer paper roll- 10 nos.

3. The machine should supply with ultrasound transmission gel for appro ximately 500patient's exam,

D. Power requirements:

1. Power Input for the quoted equipment should be 220-240VAC, 50Hz fi tted with Indian plug.

2. It should have Resettable over current breaker shall be fitted for prote ction.

3. The equipment should be supplied with Online UPS (3KVA) with battery backup for 30 minutes to the Ultrasound system.

Warranty: The quoted model should have 5 years comprehensive warrant y on the entire system along with Online UPS.

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3. **Buyer Added Bid Specific ATC**

   Buyer uploaded ATC document Click here to view the file.

Disclaimer/अस्वीकरण

The additional terms and conditions have been incorporated by the Buyer after approval of the Competent Authority in Buyer Organization, whereby 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 specifications and / or terms and conditions governing the bid. If any clause(s) is / are incorporated by the Buyer regarding following, the bid and resultant contracts shall be treated as null and void and such bids may be cancelled by GeM at any stage of bidding process without any notice:-

1. Definition of Class I and Class II suppliers in the bid not in line with the extant Order / Office Memorandum issued by DPIIT in this regard.
2. Seeking EMD submission from bidder(s), including via Additional Terms & Conditions, in contravention to exemption provided to such sellers under GeM GTC.
3. Publishing Custom / BOQ bids for items for which regular GeM categories are available without any Category item bunched with it.
4. Creating BoQ bid for single item.
5. Mentioning specific Brand or Make or Model or Manufacturer or Dealer name.
6. Mandating submission of documents in physical form as a pre-requisite to qualify bidders.
7. Floating / creation of work contracts as Custom Bids in Services.
8. Seeking sample with bid or approval of samples during bid evaluation process. (However, in bids for attached categories, trials are allowed as per approved procurement policy of the buyer nodal Ministries)
9. Mandating foreign / international certifications even in case of existence of Indian Standards without specifying equivalent Indian Certification / standards.
10. Seeking experience from specific organization / department / institute only or from foreign / export experience.
11. Creating bid for items from irrelevant categories.
12. Incorporating any clause against the MSME policy and Preference to Make in India Policy.
13. Reference of conditions published on any external site or reference to external documents/clauses.
14. Asking for any Tender fee / Bid Participation fee / Auction fee in case of Bids / Forward Auction, as the case may be.

Further, 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.

All GeM Sellers / Service Providers are mandated to ensure compliance with all the applicable laws / acts / rules including but not limited to all Labour Laws such as The Minimum Wages Act, 1948, The Payment of Wages Act, 1936, The Payment of Bonus Act, 1965, The Equal Remuneration Act, 1976, The Payment of Gratuity Act, 1972 etc. Any non-compliance will be treated as breach of contract and Buyer may take suitable actions as per GeM Contract.

This Bid is also governed by the General Terms and Conditions/ यह बिड सामान्य शर्तों के अंतर्गत भी शासित है

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./जेम की सामान्य शर्तों के खंड 26 के संदर्भ में भारत के साथ भूमि सीमा साझा करने वाले देश के बिडर से खरीद पर प्रतिबंध के संबंध में भारत के साथ भूमि सीमा साझा करने वाले देश का कोई भी बिडर इस निविदा में बिड देने के लिए तभी पात्र होगा जब वह बिड देने वाला सक्षम प्राधिकारी के पास पंजीकृत हो।बिड में भाग लेते समय बिडर को इसका अनुपालन करना होगा और कोई भी गलत घोषणा किए जाने व इसका अनुपालन न करने पर अनुबंध को तत्काल समाप्त करने और कानून के अनुसार आगे की कानूनी कार्रवाई का आधार होगा।

---Thank You/धन्यवाद---