



Bid Number/बोली क्रमांक (बिड संख्या):
GEM/2024/B/4648101
Dated/दिनांक : 16-02-2024

Bid Document/ बिड दस्तावेज़

Bid Details/बिड विवरण	
Bid End Date/Time/बिड बंद होने की तारीख/समय	08-03-2024 17:00:00
Bid Opening Date/Time/बिड खुलने की तारीख/समय	08-03-2024 17:30:00
Bid Offer Validity (From End Date)/बिड पेशकश वैधता (बंद होने की तारीख से)	30 (Days)
Ministry/State Name/मंत्रालय/राज्य का नाम	Ministry Of Health And Family Welfare
Department Name/विभाग का नाम	Department Of Health Research
Organisation Name/संगठन का नाम	Indian Council Of Medical Research (icmr)
Office Name/कार्यालय का नाम	Icmr National Institute For Research In Reproductive Health, Mumbai
Total Quantity/कुल मात्रा	1
Item Category/मद केटेगरी	Color Doppler Ultrasonography machine (Q3)
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 Years Of Experience/अनुभव के वर्षों से एमएसई छूट/ and Turnover/टर्नओवर के लिए एमएसई को छूट प्राप्त है	Yes
Startup Exemption for Years Of Experience/अनुभव के वर्षों से स्टार्टअप छूट/ and Turnover/ टर्नओवर के लिए स्टार्टअप को छूट प्राप्त है	Yes
Document required from seller/विक्रेता से मांगे गए दस्तावेज़	Experience Criteria,Past Performance,Bidder Turnover,Certificate (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
Past Performance/विगत प्रदर्शन	50 %
Bid to RA enabled/बिड से रिवर्स नीलामी सक्रिय किया	No
Type of Bid/बिड का प्रकार	Two Packet Bid

Bid Details/बिड विवरण

Time allowed for Technical Clarifications during technical evaluation/तकनीकी मूल्यांकन के दौरान तकनीकी स्पष्टीकरण हेतु अनुमत समय	3 Days
Inspection Required (By Empanelled Inspection Authority / Agencies pre-registered with GeM)	No
Evaluation Method/मूल्यांकन पद्धति	Total value wise evaluation

EMD Detail/ईएमडी विवरण

Required/आवश्यकता	No
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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 & 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 :

Director
ICMR-National Institute For Research In Reproductive and Child Health, Mumbai, Department of Health Research, Indian Council of Medical Research (ICMR), Ministry of Health and Family Welfare, J. M. Street, Parel, Mumbai-400012
(Director, Icmr-nirrch)

Splitting/विभाजन

Bid splitting not applied/बोली विभाजन लागू नहीं किया गया.

MII Purchase Preference/एमआईआई खरीद वरीयता

MII Purchase Preference/एमआईआई खरीद वरीयता	Yes
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MSE Purchase Preference/एमएसई खरीद वरीयता

MSE Purchase Preference/एमएसई खरीद वरीयता	Yes
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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. If the bidder is a Startup, the bidder shall be exempted from the requirement of "Bidder Turnover" criteria and "Experience Criteria" subject to their 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.

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 / Public Listed Company 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. Preference to Make In India products (For bids > 200 Crore) (can also be used in Bids < 200 Crore but only after exemption by competent authority as defined in Deptt of Expenditure OM dated 28.5.2020): 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. 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.

5. 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. 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.

6. Past Performance: The Bidder or its OEM {themselves or through re-seller(s)} should have supplied same or similar Category Products for 50% 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 / Public Listed Company. 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.

Color Doppler Ultrasonography Machine (1 pieces)

(Minimum 50% and 20% Local Content required for qualifying as Class 1 and Class 2 Local Supplier respectively/कमशः श्रेणी 1 और श्रेणी 2 के स्थानीय आपूर्तिकर्ता के रूप में अहंता प्राप्त करने के लिए आवश्यक)

Technical Specifications/तकनीकी विशिष्टियाँ

Buyer Specification
Document/क्रेता विशिष्टि दस्तावेज़

[Download](#)

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	Vikas Dnyaneshwar Dighe	401208,Plot No. 80-1A, Sasunavghar (Maljipada), Taluka Vasai, District Thane, Pin code - 401208	1	30

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

1. Experience Certificate for the supply of the same to any Govt/ PSU/ any renowned private organisation along with Supply/ Purchase Order.
2. If the agency is registered under MSME or NSIC, then EMD exemption certificate needs to be enclosed.
3. Make in india specific authorisation certificate needs to be enclosed.
4. **Buyer Added Bid Specific ATC**

Buyer Added text based ATC clauses

1. The manufacturer should have ISO 9001:2015 (Quality management) and ISO 13485 (Medical devices), BIS certification. (Bidder should attach certificate with the bid)
2. The sterilizer should be European CE certified with four digit notified body number / USFDA certified (Bidder should attach certificate with the bid)
3. Should have service facility in Mumbai / Maharashtra
4. Equipment shall conform to HTM 2010 or equivalent standards.
5. Components shall conform to EN 285 standards, where applicable.
6. Necessary operational training / day-to-day maintenance training shall be imparted to our staff after commissioning of the equipment at site.
7. SS 316 / SS 304 quality material should be tested from NABL accredited lab and produce a sample certificate along with offer.
8. Jacket and chamber to be tested hydraulically and for its safety as a pressure vessel directive.
9. User manual in English, Hydraulic test certificate, Material test certificate, IQ, OQ, DQ & PQ documents, Leak Test certificate, Gauge calibration certificate, Master Gauge calibration certificate and Warranty certificate should be submitted.
10. Three (3) year Comprehensive warranty and Post Two (2) year Non Comprehensive Annual Maintenance Service.

11. The duration of warranty period will begin after, proper installation of the equipment and submitting user's satisfactory report.
12. Item/Equipment quoted should not be a second hand/refurbished/on verge of obsolescence/outdated model. Similarly, after award of contract, the item supplied should be a newly manufactured item and not the old item already manufactured and stocked for more than 1 month.
13. Past experience of the bidders in terms of quality of supplied equipments, after sales service and application support will be taken into consideration while technical evaluation. Bidders who has unsatisfactory past experience in last 2- 3 years, in terms of quality of supplied equipments, after sales service and application support, bids of such bidders may liable to be rejected.
14. The bidder should have at least 3 years' experience in supply of material to central government /any state Government /CPSU /SPSU /Government Autonomous organizations /Public Sector Companies
15. The bidder or the manufacturer should not have been blacklisted by any State Government / Central Government / PSU for any reason in the last three financial years as on bid calling date. A letter of undertaking on the letter heads of the Bidder/ Manufacturer should be submitted separately stating that they have not been blacklisted by any State Government /Central Government / PSU for any reason in the last three years and should be signed by an Officer competent and having the power of attorney (with Company stamp) to bind the bidding Firm / Manufacturer(s). The letter of undertaking should be submitted along with the quotation.
16. After opening of the Technical bid, Physical demonstration of the quoted model may have to be shown/ arranged by the bidder, if requested by the Institute. Physical demonstration may be shown at one of the end user's site/Principle company's application lab/manufacturing site located in Mumbai/Navi Mumbai/Thane cities within 10 days from the date of request. Physical Demonstration may be requested to confirm the availability of any or all technical features as mentioned/stated in the technical bid. Physical Demonstration will also be a part of technical evaluation process. If the bidder does not comply, such bids are liable to be disqualified. (Demonstration of quoted model is to be shown and not the demonstration of similar models with different technical specifications and features)
17. Unpacking and Shifting the consignment to the installation site is to be included in the scope of supply. Bidder/manufacturer/authorized service provider should take responsibility to lift/shift the consignment from unloading site to the installation site. If needed, Bidder has to arrange for the labourers at no charge to IC MR-NIRRH. (Before submitting the quotation, bidders may visit Site to know unloading site and installation site).
18. Installation, Commissioning and Training is included in the scope of supply. Bidder, Manufacturer and/or its authorized representative should undertake installation and commissioning of the equipment.
19. Complete system should be installed, tested for its performance as per manufacturer's SOP/guidelines and demonstrated to the Institute's Users. In depth training should be provided to the Institute's users for maintenance, usage and applications.
20. Manufacturer/bidder should clearly indicate typical life span / Life expectancy of the quoted equipment.
21. Item/Equipment quoted should not be a second hand/refurbished/on verge of obsolescence/outdated model. Similarly, after award of contract, the item supplied should be a newly manufactured item and not the old item already manufactured and stocked for more than 1 month.
22. Estimated cost Rs.40,00,000/-
23. MII exemption list Sl. No. 39 and Name: IVUS (GTE OM No.F.4/1/2023-PPD Dt. 03-04-2023)

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. Any clause(s) incorporated by the Buyer regarding following shall be treated as null and void and would not be considered as part of bid:-

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.
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.

[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 कार्यवाई का आधार होगा।

---Thank You/धन्यवाद---



SPECIFICATIONS Color Doppler Ultrasonography machine

Estimated Cost: Rs.40,00,000/-

Sr. No.	Technical Specifications / Scope of supply	Compliance	Remarks (to provide details)
OPERATIONAL REQUIREMENTS			
1	Latest state of art high end colour doppler system with full digital technology for whole body applications to include which include abdominal, Obstetrics /Gynaecology, vascular (Peripheral and neurovascular), musculoskeletal, small parts imaging and endocavitary (transvaginal / transrectal) with the following specifications.		
2	Latest generation electronic phased array color doppler system with minimum 50,000 electronic processing channels and also minimum of 190 discrete transmitting channels. System should be DICOM 3 or higher version compatible and capable of being interfaced with HIS/RIS/PACS and connectivity to any PC/computer etc in DICOM format.		
3	All new software should be updated free of cost for at least 3 years.		
4	Speckle reduction filter, real time spatial compounding, frequency compounding or better technology should be available in all probes for better resolution and penetration. The system shall have automatic system optimization (One Button) for Both B Mode and Doppler.		
TECHNICAL SPECIFICATION			
5	Latest generation electronic phased array color doppler system with minimum 50,000 digital processing channels.		
6	256 grey shades or more for sharp contrast resolution		
7	System should be offered with following electronic broad band width transducers		
8	Broad band convex array transducer with frequency range of 1 - 6 MHz suitable for general purpose abdominal, obstetrical and gynaecological applications.		
9	Broad band Linear array transducer frequency range of 3 to 9 MHz suitable for Vascular and small parts applications		
10	Broad band Linear array transducer frequency range of 5 to 17 MI-IL suitable for vascular superficial, musculoskeletal, superficial small parts and elastography applications.		
11	4-D Endocavitary probe - 5-9 MHz or more Endocavitary probe (should have biopsy facility with needle guides.		

12	4-D volume acquisition transducer of 2 to 6 MHz for 3D and Live 4D imaging for radiology, Obs-gyn and virtual endoscopy applications		
13	Phased array sector / micro-convex transducer 1 to 5 mHz for cardiac imaging.		
14	Harmonic Imaging should be available in all probes with the following modes and setting for:		
	→ Tissue harmonic		
	→ Contrast harmonic		
	→ Quantification of harmonics imaging		
15	Tissue Harmonic imaging in power doppler imaging mode for improved sensitivity and specificity in differentiating blood/agent from tissue.		
16	Gain control for additional level of flexibility to image quality control.		
17	Real time high frequency 2D for higher resolution and low frequency Doppler for higher sensitivity in all probes.		
18	Frame rate should be 500 FPS or more.		
19	Steerable PW on all phased array probes.		
20	High-definition acoustic zoom for enlarging sections of 2D and color flow images with more acoustic information for greater clarity and detail while maintaining an optimal frame rate.		
21	Modes— 2D, 3D, 4D, B Mode, B/B Mode, M-Mode, steerable PW Doppler, color Doppler, B/M Mode, B/PW Doppler, B/Power Angio, B and Power Angio should be available. System shall have curved and endovaginal 4D capabilities.		
22	The system shall also support the following:		
	→ tissue aberration correction capabilities that enhance clinical performance for technically challenging and obese patients and in breast imaging applications.		
	→ Contrast Specific imaging with 2D Harmonics using Pulse Inversion Technology & Panoramic real time compounding imaging		
	→ 3D RTC imaging with speckle reduction		
	→ 4D RTC imaging with speckle reduction		
	→ Micro Fine 2D grayscale imaging		
	→ Chroma imaging		
	→ High PRF Doppler		
	→ Simultaneous 2D, color Doppler and PW Doppler (Triple Mode) extended field-of-view capabilities of continuous-field imaging of at least three times the transducer's active aperture.		
	→ Real-time micro-calcification detection technology for Breast application		
23	The system shall support full screen display of all 3D views including individual X, Y and Z MPR views and simultaneous display of thumbnail views on the same system display monitor.		

24	The system shall support display of all multiplanar views and the rendered image during 4D acquisition. The system shall support volume measurements and analysis on quantitative 3D and 4D data with live 4D editing.		
25	The system shall support simultaneous display of volume and multiplanar (MPR) views.		
26	All advanced 3D /4D software applications for radiology, ob-gyn and breast to be quoted.		
27	Monitor should be High resolution medical grade, non-interlaced LCD Color monitor of 19 inches or more with tilt and swivel facility to view in all angles and all light conditions		
28	Color flow imaging for		
	→ Increased lateral & spatial resolution. Color flow with capability of automatically picking up color flow as a function of focal depth.		
	→ Detection of even subtle areas of turbulence, displaying a more physiological blood flow appearance without loss of frame rate.		
	→ Tissue colorization (B-Color) for improved contrast resolution.		
29	Advanced Contrast Imaging should be standard on the system. Convex, linear and endocavitary probes should be capable of contrast imaging, please confirm this in the technical bid. Should have Low Mechanical Index*		
30	(MI) and Flash Modes and start/stop timer. Real-time display of predicted Thermal Index (TI) and predicted Mechanical Index (MI) values should be provided in Contrast Imaging All advanced software package with wash in, stay and wash out with contrast quantification package should be available.		
31	Should have facilities and extensive application software for adult abdominal, Obs/gyn, peripheral vascular, musculoskeletal, small parts imaging and endocavitary applications. (All application package should be built into the system).		
32	Cine loop facility, both frame by frame and in cine mode, with a memory for atleast 2000 2D color images' review and atleast 30 seconds of doppler and M mode data.		
33	High frame rate review for better clarity of play back images study in slow motion.		
34	Quad loop with memory for pre and post image comparison of any procedure.		
35	Memory – 2000 frames or more in quad loop. M Mode & Doppler scroll memory -40 seconds or more.		
36	Frame grabber facility for post analysis. Various maps for pre and post processing.		

37	ELASTOGRAPHY		
	→ System shall be equipped to perform elasticity imaging using latest available technology in a variety of application (liver, breast, prostate) and on a variety of transducers (convex, linear and endo-cavitary) accompanied by necessary quantification package software,		
	→ One touch entry into elastography mode. Elastogram applied as a region of interest box with user control of size and location through entire field of view Realtime indicator for elastogram quality. Single screen 2D with elastogram and side-by-side display of 2D image and 2D with elastogram.		
	→ Shadow duplication and measurement capability in side-by-side display		
	→ Distance and area tools. Acquisition rate control for elastogram optimization. Elastogram optimization settings to optimize to different tissue compositions.		
	→ System Dynamic Range should more than 160db.		
	→ User defined system and application pre-sets for multi-user department. The number of application pre-sets is to be mentioned.		
	→ In- built hard disk storage capacity of atleast 160 GB with facility of direct storage and retrieval of B/W and color images (both frozen and cine loops). CD, DVD drive for read and write of stored images.		
	→ Depth of Field of 30 cm or above should be available & PRF Range should be 500 Hz to 50,000 Hz or higher.		
	→ Alpha numeric key board with illuminated keys and status display. Key panel Height Adjustment Should be Possible. All panel key should be customized, including Freeze Key.		
	→ Color Map resolution up to 256 levels.		
	→ Facility for high definition digital acquisition, review and editing for complete patient studies.		
	→ Unit should have 4 transducers holders and one gel bottle holder.		
	→ Three (3) Active Ports should be available. 2 parking ports. Any Probes any Port interchangeable connectivity should be possible with simple electronic selection method for interchanging transducers.		
38	Detailed Radiology, Obs & gyn and vascular measurement packages should be available.		
39	System should have extensive calculation packages.		
40	Distance, volume, Area, % stenosis on B mode.		
41	Distance, Time, Heart Rate, Slope on M mode.		
42	Velocity, Acceleration time, Slope, P1, RI, S/D Ratio with Auto Doppler calculation on Doppler mode		

43	The system should have Up I Down & Right I Left Image rotation, One touch Image optimization and Edge Enhancement settings.		
	→ The system shall be capable of supporting color Doppler imaging on all phased, linear, motorized 3D, and curved array transducers.		
	→ Color Power Angio imaging which enhances visualization of blood flow in very small vessels and tissue vascular beds shall be supported.		
	→ Spectrum Imaging: PW Doppler Mode should be available.		
	→ Doppler sample volume size shall be adjustable from 0.5-20 mm.		
	→ The system should have gate adjustments on spectral modes, auto angle correction, filter adjustment, base line and sweep speed adjustments. The system shall have adjustable wall filter settings from 40-300 Hz.		
	→ Cineloop Review and Doppler Review must be independently selectable. Automated, real-time analysis of Doppler spectral waveform which is available in live or frozen modes.		
	→ Real time panoramic imaging to have an extended field of view of structures.		
	→ System should have facility for separate 2D quick scan (auto 2D optimization) Doppler Quick Scan (auto baseline and PRF adjustment).		
	→ System should have automatic real time quantification of doppler parameters.		
44	Virtual Convex (Trapezoid) format with both Linear as well as convex Probes should be available		
45	SYSTEM ACCESSORIES AND CONSUMABLES		
	→ Colour Laser printer with direct printing connectivity for printing stored images.		
	→ Online UPS with capacity for 30 mins back-up of all functions of the equipment i.e., performing ultrasound procedure, exposure onto films.		
46	POWER SUPPLY		
	→ Power input to be 220 - 240 VAC, 50 Hz fitted with Indian plug. Resettable overcurrent breaker shall be fitted for protection.		
47	STANDARDS, SAFETY, AND TRAINING		
	→ Should be US FDA or CE approved product.		
	→ Manufacturer should have ISO certification for quality, standards.		
	→ On site comprehensive training for lab staff and support services till customer satisfaction with the system		

48	DOCUMENTATION		
	→ User manuals to be supplied in English.		
	→ Service manual to be supplied in English		
49	WARRANTY		
	→ Complete three years warranty for the scanner and accessories and AMC for next 5 years should be quoted.		
50	The duration of warranty period will begin after, proper installation of the equipment and submitting user satisfactory report.		
51	After opening of the Technical bid (Part-1), Physical demonstration of the quoted model may have to be shown / arranged by the bidder, if requested by the Institute. Physical demonstration may be shown at one of the end user's site/Principle company's application lab/manufacturing site located in Mumbai/Navi Mumbai/Thane cities within 10 days from the date of request. Physical Demonstration may be requested to confirm the availability of any or all technical features as mentioned/stated in the technical bid. Physical Demonstration will also be a part of technical evaluation process. If the bidder does not comply, such bids are liable to be disqualified. (Demonstration of quoted model is to be shown and not the demonstration of similar models with different technical specifications and features)		
52	Unpacking and Shifting the consignment to the installation site is to be included in the scope of supply. Bidder/manufacturer/authorized service provider should take responsibility to lift/shift the consignment from unloading site to the installation site. If needed, Bidder has to arrange for the labourers at no charge to ICMR-NIRRH. (Before submitting the quotation, bidders may visit Site to know unloading site and installation site)		
53	Installation, Commissioning and Training is included in the scope of supply. Bidder, Manufacturer and/or its authorized representative should undertake installation and commissioning of the equipment.		
54	Complete system should be installed, tested for its performance as per manufacturer's SOP/guidelines and demonstrated to the Institute's Users. In depth training should be provided to the Institute's users for maintenance, usage and applications		
	Important terms to be noted by the bidders:		
55	Read the above scope of supply carefully and quote accordingly. Incomplete and /or partially complete offers are liable to be rejected		
56	Manufacturer/bidder should clearly indicate typical life span / Life expectancy of the quoted equipment.		

57	Item/Equipment quoted should not be a second hand/refurbished/on verge of obsolescence/outdated model. Similarly, after award of contract, the item supplied should be a newly manufactured item and not the old item already manufactured and stocked for more than 1 month.		
58	Past experience of the bidders in terms of quality of supplied equipments, after sales service and application support will be taken into consideration while technical evaluation. Bidders who has unsatisfactory past experience in last 2- 3 years, in terms of quality of supplied equipments, after sales service and application support, bids of such bidders may liable to be rejected.		
59	Complete and detailed information should be provided in respect to each point specified in the specifications. Technical bids that are incomplete in any respect are liable to be rejected. Provide relevant supportive information, publications, catalogue, etc. Bidders providing misleading or wrong information are liable to be rejected. All technical claims should be printed in the technical brochure of the equipment		
60	If any contradictory statements /figures/information is observed in the compliance chart and in the technical bid, then the technical information mentioned in the product literature/brochure will be considered true and further evaluation will be done based on the information given in the product literature/brochure. Regarding the warranty and free AMC terms, information quoted in the technical bid will only be taken as valid terms.		
61	Compliance column may be filled with relevant data, figures, range etc. as applicable. Do not just mention "YES / NO / Complied".		
62	The bidder should have at least 3 years' experience in supply of material to central government /any state Government /CPSU /SPSU /Government Autonomous organizations /Public Sector Companies		
63	The bidder or the manufacturer should not have been blacklisted by any State Government / Central Government / PSU for any reason in the last three financial years as on bid calling date. A letter of undertaking on the letter heads of the Bidder/ Manufacturer should be submitted separately stating that they have not been blacklisted by any State Government /Central Government / PSU for any reason in the last three years and should be signed by an Officer competent and having the power of attorney (with Company stamp) to bind the bidding Firm / Manufacturer(s). The letter of undertaking should be submitted along with the quotation.		

64	<p>After opening of the Technical bid, Physical demonstration of the quoted model may have to be shown/ arranged by the bidder, if requested by the Institute. Physical demonstration may be shown at one of the end user's site/Principle company's application lab/manufacturing site located in Mumbai/Navi Mumbai/Thane cities within 10 days from the date of request. Physical Demonstration may be requested to confirm the availability of any or all technical features as mentioned/stated in the technical bid. Physical Demonstration will also be a part of technical evaluation process. If the bidder does not comply, such bids are liable to be disqualified. (Demonstration of quoted model is to be shown and not the demonstration of similar models with different technical specifications and features)</p>		
	Declaration by the bidder		
65	<p>We have quoted for all the items meeting the description/scope of supply in the Financial bid as per prescribed format of the Tender documents and we agree that Partial/incomplete offers are liable for rejection.</p>		