

Date: 26.02.26

Tender (Ref: IISc-Med-2025-26/G-67)

GLOBAL TENDER ENQUIRY

To Whom It May Concern

This Request for Quote (RFQ) invites comprehensive proposals for the design, supply, installation, testing, commissioning, calibration, validation, warranty, and lifecycle support of state-of-the-art Ultrasound Imaging Systems for the Indian Institute of Science. The systems shall function as advanced, multi-application diagnostic imaging platforms delivering high spatial and contrast resolution, real-time imaging, and robust quantitative capabilities to meet clinical, academic, and translational research requirements.

The scope shall include fully integrated solutions comprising high-performance cart-based ultrasound systems, portable ultrasound systems, and handheld ultrasound devices with application-specific transducers, advanced imaging modes, user-configurable workflows, dedicated processing and reporting workstations (where applicable), application software, and all essential accessories and quality assurance tools required for complete and efficient operation.

The systems shall support streamlined digital workflows from patient registration and positioning through high-throughput image acquisition, post-processing, reporting, and archival. They shall ensure seamless interoperability with HIS/RIS/PACS and the institutional IT infrastructure and shall be based on a scalable and upgradeable architecture to support evolving clinical and research needs.

Vendors may quote the items either as a single combined package or as individual items, strictly in accordance with the defined technical specifications. Irrespective of whether the offer is submitted as a package or on an individual group/table basis, the vendor shall submit separate Technical Bids and separate Commercial Bids for each item. The Technical and Commercial Bids for each item shall be placed in separate sealed envelopes, clearly superscribed with the respective item reference, to enable independent technical and commercial evaluation of each group.

Additionally, if vendor want to quote for all the items as a single package, then it should be given as separate commercial quote, In addition to individual quote for each machine.

Further details about IISc may be referred to from:

<https://medicine.IISc.ac.in/>

A. Procedure:

1. Vendors are required to submit a technical proposal and a commercial proposal in two separate sealed envelopes. Only vendors who meet the technical requirement will be considered for the commercial negotiation.
2. The deadline for submission of proposals is **19th MARCH 2026, Thursday, 5:30 pm Indian Standard Time**.
3. Bids in the sealed envelope should arrive at the office of Dean (A & F), Main building, Indian Institute of Science, Bangalore 560012, India, by the above deadline.
4. The technical proposal should contain a technical compliance table with 6 columns.
 - a. The first column must list the technical requirements in the order that they are given in the technical requirement below in tender specifications.
 - b. The second column should provide specifications of the equipment against the requirement (please provide quantitative responses wherever possible.)
 - c. The third column should describe your compliance with a "Yes" or "No" only. Ensure that the entries in column 2 and column 3 are consistent.
 - d. The fourth column should state the reasons/explanations/context for deviations, if any.
 - e. The fifth column can contain additional remarks from the OEM. You can use this opportunity to highlight technical features and qualify the response of previous columns.
 - f. The Sixth column should contain the datasheet & technical offer Page reference number.
 - g. If the required information is not available in the Product Data Sheet and printed technical literature, it must be authenticated by the competent authority of the principal manufacturer, and in case of any discrepancy, the decision of the Technical Committee shall be final and binding on the supplier; additionally, the vendor must provide a legally binding declaration stating that the required information will be demonstrated at the time of handover and commissioning
5. Vendors are encouraged to highlight the advantages of their equipment over comparable equipment from the competitors.
6. In the commercial bid, please provide the itemized cost of the equipment and required accessories, etc.
7. Please provide itemized cost for any suggested/optional accessories/add-on items that may enhance the equipment usability, capability, accuracy or reliability. Vendors are encouraged to quote for as many add-ons as their product portfolio permits.
8. In the quote, you are requested to provide itemized cost for spares, accessories, consumables expected over 2 years

- of use.
9. Please indicate the warranty provided with the equipment.
 10. Any questions or clarifications can be directed to:

Dean (A & F)
Main building, Indian Institute of Science,
Bangalore 560012
Office@iiscmedicalschoolfoundation.org

B. Terms and Conditions

1. Only the Original Equipment Manufacturer or their authorized representatives across the globe shall participate in the bid.
2. The order will be placed only on the bidder who participated in the bid.
3. The decision of the purchase committee of IISc will be final.
4. The vendor is responsible for the planning, supply, installation, testing and commissioning of the equipment & the training of personnel of the installed equipment at the IISc.
5. The RFQ must include references to previous installations including the list of all customers where similar systems were installed in the past 5 years. Please provide the names and contact addresses of the referees so that the committee can contact them independently. Details of such systems with model numbers and users should be provided. The reference letters can be used to disqualify vendors with poor track records of service, build quality, system performance, or poor availability of spares.
6. The vendor should have qualified technical service personnel for the equipment based in India and must assure a response time of <2 hours after receiving a service request. The schedule for periodic preventive maintenance for the equipment and all the items related to OEMs should be provided.
7. The indenter reserves the right to withhold placement of the final order and to reject all or any of the quotations and to split up the requirements or relax any or all of the above conditions without assigning any reason.
8. Wherever requested in this specifications sheet, data must be supplied along with technical compliance documents. Technical bids without supporting data will be deemed as technically non-compliant.
9. Upon request, all guaranteed specifications will have to be demonstrated in an active installation. Failure to demonstrate any promised specifications will be deemed as technical non-compliance.
10. Printed literature and published papers to support compliance with the prescribed specifications may be provided duly authenticated by qualified personnel in the company.
11. Technical evaluation by the IISc may include a demonstration to verify the functionalities and capabilities of the equipment quoted. Any discrepancy between the promised and demonstrated specifications will be deemed technical non-compliance. If the need arises, the vendor must be ready to visit IISc for a techno commercial discussion physically.
12. The validity of commercial quotations should be at least 90 days from the last date for the submission of tender documents.
13. Payment terms: LC will be opened with 70% payment on shipment of the item and remaining 20% on installation, testing & commissioning and 10% on user satisfaction. Insurance coverage should be till the commissioning of equipment.
14. The functionalities and capabilities of the equipment to be provided as part of documentation. Any discrepancy in technical specification between what was committed during technical evaluation and demonstrated specification on ground will be deemed technical non-compliance. If the need arises, the vendor must be ready to visit IISc for a techno commercial discussion in person.

C. Other terms

1. Shipment and Delivery Terms

1.1 Partial Shipments

- a. Partial shipments are allowed; however, transshipment is strictly prohibited.

1.2 Delivery Confirmation

- a. Delivery shall only be made after receiving written confirmation from the IISc purchase team.

1.3 Consignee Details

- a. The address of the consignee and the markings on the containers must be clearly stated as per the details provided by IISc.

1.4 Packing Slip and Documentation

- a. A packing slip detailing each item and its quantity shall accompany every shipment.
- b. The packing slip must be securely attached to the exterior of one of the containers in a visible manner.
- c. The purchase order (PO) number must be clearly marked on all packing slips, invoices, and correspondence.

1.5 Missing Items and Substitutions

- a. Any items that are not found upon delivery must be clearly noted on the packing slip, and the anticipated availability of such items shall be indicated.
- b. Substitutions of items shall not be made without prior written authorization from IISc.

1.6 Packing of Fragile Equipment

- a. Fragile equipment shall be packed in wooden boxes to prevent damage during transit.

1.7 Packing of Critical Components

- a. Critical components must be packed using foam/bubble wrap and cartons, and securely stuffed within containers to prevent any damage during transit or handling at the site.

1.8 Protection during Transit

- a. The Seller shall ensure that all items are securely protected and packed in accordance with best established practices to avoid damage under conditions such as multiple handling, transportation by ship/road, storage, and exposure to heat, moisture, rain, etc.

1.9 Seller's responsibility for damage

- a. The Seller shall bear full responsibility for any breakage, damage, or pilferage (including during transit or handling within the hospital) resulting from faulty packing.

1.10 Marking and Packing Slip

- a. All packages must be visibly marked with the purchase order (PO) number and name of the Buyer in bold letters.
- b. Copies of the packing slip must also be placed inside each package.

2. Insurance and Freight

- a. The cost of all Freight & Insurance is Included in the purchase order value will be arranged by the supplier. The insurance should be from the vendor warehouse to the site till Installation & commissioning at IISc.

2.2 Seller Notification for Insurance

- a. If IISc needs to arrange insurance, the Seller must notify promptly.

3. Warranty Terms

3.1 The equipment along with all the 3rd party items should carry a warranty of 12 months from the date of successful commissioning.

3.2 The warranty shall commence from the submission of a duly filled "Medical Equipment Acceptance Sheet Checklist," accompanied by all relevant documents, as per the specifications and requirements.

3.3 After-Sale Service

- a. After-sales service will be provided by a service engineer trained by the principal company.
- b. The credentials and certification of the service engineer shall be shared with IISc for approval.

3.4 Preventive Maintenance and Calibration

- a. Preventive maintenance and calibration shall be performed according to the recommendations of the Original Equipment Manufacturer (OEM).
- b. Preventive maintenance and calibration shall include calibration for any major breakdowns and be conducted in accordance with local rules and regulations, as well as OEM recommendations.

- c. Maintenance and calibration shall also be based on the equipment performance history, using calibrated equipment traceable to international or NABL standards, as required.

3.5 Responsibility for Malfunctions

- a. The seller shall take full responsibility for any mishaps or malfunctions related to the ordered equipment caused by delayed periodic maintenance or calibration under warranty & subsequently in a comprehensive annual maintenance contract.

3.6 Maintenance and Calibration Costs

- a. Preventive maintenance and calibration shall be executed free of cost during the warranty and Annual Maintenance Contract (AMC) period.
- b. The seller shall clearly inform IISc about the list of consumables or maintenance kits that may incur additional costs (not covered under the maintenance contract) before the equipment is supplied.
- c. All accessories, including computer systems, printers, laptops, and software versions, shall be covered free of charge under warranty, rental contracts, and subsequent maintenance agreements.
- d. The vendor shall provide a separate quotation for the one-time maintenance call cost. This cost should cover the technician's visit charge, labor, and basic service expenses for each individual maintenance call requested by the customer (On call charges)

3.7 Annual Maintenance Contract (AMC) and Comprehensive AMC (CAMC)

The AMC & CAMC rate shall be quoted absolute value of the equipment cost per year till nine years post warranty period of equipment. Please refer to the template for GENERAL TERMS AND CONDITIONS FOR COMPREHENSIVE/LABOUR MAINTENANCE CONTRACT(CMC/AMC).

3.8 No Additional Terms to be imposed

- a. The seller shall not impose any additional terms on the buyer when an Annual Maintenance Contract is established on a yearly basis.
- b. All the terms mentioned in the tender and subsequent purchase order shall remain applicable without any modifications.

3.9 Warranty Terms during CAMC

- a. The warranty terms, including those for preventive maintenance and calibration, shall remain valid and applicable throughout the duration of the CAMC, as per the terms outlined in the tender and subsequent purchase order.

3.10 Payment for AMC and CAMC

- a. Payment for CAMC will be made on a quarterly or annual basis.
- b. Payments will be disbursed upon the successful completion of preventive maintenance and calibration activities, in line with the terms and conditions of the tender and subsequent purchase order.

3.11 Consumables List

- a. The vendor shall provide a list of consumables required for the equipment, along with their associated costs, before the supply of the equipment to IISc.

3.12 Equipment Recall and Standby Equipment

- a. The vendor shall notify IISc of any recall related to the supplied equipment and ensure proper action is taken as per the buyer's recall terms and policies.
- b. In the event of an equipment recall, the seller shall provide suitable standby equipment, ensuring the clinical functionality of the buyer is not impacted.
- c. Any open recall or Field Safety Corrective Action (FSCA) associated with the quoted model shall be fully disclosed by the bidder in the technical bid submission.

3.13 Adverse Event Reporting

- a. Any adverse events associated with the medical devices shall be promptly reported to IISc.
- b. The vendor shall ensure that any adverse event is communicated to the National Collaboration Centre-Materiovigilance Programme of India, in accordance with regulatory requirements.

4. Maintenance and Calibration

4.1 Preventive Maintenance and Calibration

- a. Preventive maintenance and calibration will be conducted free of charge under the warranty period and any subsequent Annual Maintenance Contracts (AMC).
- b. Calibration will be performed in accordance with industry standards and OEM specifications.

4.2 Report of Maintenance and Calibration

- a. The Seller shall provide a report of maintenance and calibration with details of the work performed, including calibration standards and methods.

4.3 Qualification of Engineers

- a. The Seller must ensure the trained engineers are certified and qualified for preventive maintenance and calibration.

5. Spare Parts

5.1 Supply of Spare Parts

- a. The Seller shall supply spare parts for the entire lifetime of the equipment and guarantee availability for a minimum of 10 years from the date of commissioning of equipment.

5.2 Price of Spare Parts

- a. The Seller will provide the prices of major spare parts, which should not exceed 30% of the total equipment value.
- b. A list of critical spare parts and their estimated prices shall be submitted with the tender as part of commercial bid.

5.3 Spare Parts Availability

- a. The Seller must maintain a minimum stock of spare parts to ensure quick availability for repairs.

5.4 Spare Parts Pricing

- a. The prices of spares shall be firm for 5 years, after which adjustments can be negotiated considering inflation and exchange variations.

6. Uptime and Compensation

6.1 Uptime Requirement

- a. The bidder must ensure a minimum uptime of 98% based on a 365-day working year.
- b. In case the uptime falls below the specified 98%, the Warranty/CAMC shall be extended by a ratio of 1:7 days for every additional day of downtime.

6.2 Compensation for Test Failures or Erroneous Results

- a. The seller shall be liable to compensate the buyer for any test failures or erroneous results generated by the ordered equipment.
- b. The compensation amount will be mutually agreed upon by both parties, and this provision will be legally binding.

7. Software and Support Services

7.1 Software Licenses

- a. All software supplied as part of the equipment must come with the necessary licenses for use in India.
- b. The seller shall provide a copy of the software license along with proof of ownership.

The supplied application & operating system software will be kept updated in the form of Free of cost as &

when they are released by the factory.

However, for new application software any additional hardware is needed, the cost will be borne by IISc management at negotiated special price.

7.2 Software Support Services

a. Any software updates or bug-fixing services will be free of charge during the lifetime of equipment.

8. Integration with Clients HIS & PACS-RIS

8.1 Integration Requirement

a. The Seller must integrate the equipment with clients' Hospital Information System (HIS) & PACS-RIS at no extra cost, as applicable.

9. Confidentiality and Ownership Transfer

9.1 Confidentiality

a. The service provider must not acquire or retain any confidential data from IISc.

9.2 Ownership Transfer

a. Any change in the ownership of the principal company must honor all existing agreements with IISc.

10. Recall of Equipment

10.1 Equipment Recall

a. In the event of any recall of equipment, the Seller shall promptly inform IISc in writing.

b. During the period when the equipment is under recall, the Seller shall provide suitable standby equipment of similar or higher specifications to IISc, at no cost.

11. Force Majeure

If either Party is unable to carry out his obligations under this Contract due to an Act of God, war, riot, blockade, strike (I.e. national/ state or city), lockout, flood or earthquake or Government orders/ restrictions not within the control of the parties hereto which results in an Inability, in spite of due diligence of either party in performing its obligation in time, this Contract shall remain effective, but the obligation which the affected party is unable to carry out shall be suspended for a period equal to the duration of the relevant circumstances provided that :

The non-performing party shall give the other Party prior written notice describing particulars of the Inability including but not limited to the nature of occurrence with its expected duration and the steps which the non-performing party is taking to fulfil its obligation.

Upon receipt of such notice the other party shall discuss the matter with the non-performing party with a view to helping the non-performing party to fulfil obligations. This clause does not envisage financial assistance.

If in any event the Force Majeure situation continues for a period of three weeks both the parties shall meet again and discuss whether the Contract can be amended to overcome the Force Majeure situation so the Project can proceed further.

Notwithstanding anything contained to the contrary it is clarified that economic hardship, non-availability of material, labour and transport shall not constitute Force Majeure. The overall responsibilities and obligations of the parties shall not be excused by reasons of Force Majeure situation.

Notwithstanding the above if the Force Majeure continues for a period of three months or more in that event without prejudice to the rights of the parties, the Buyer shall have the right thereafter to terminate this contract.

12. Seller's Personnel at Buyer's Premises

12.1 Adherence to Safety Regulations

a. Seller's personnel on IISc premises must adhere to all IISc safety regulations and protocols.

12.2 Seller's Responsibility for Personnel's Safety

- a. The Seller is responsible for their personnel's safety and health while on IISc premises and shall indemnify IISc for any accidents or injuries.

13. Site Evaluation

- a. The Seller must conduct a site evaluation including transportation path, power, air conditioning and other requirements before equipment installation, as applicable.
- b. The Seller shall submit detailed drawings, specifications, and colour codes for all ordered items for Buyer review and approval via email or other methods, as applicable. Manufacturing shall commence only after drawing approval and joint inspection of the proposed site.

14. Skilled & trained Engineer for Installation

- a. Installation must be carried out by a skilled engineer and is considered complete only when the equipment is fully operational as per the tender specification.

15. Inspection and Quality Plan

15.1 New Equipment Requirement

- a. Only brand-new equipment will be accepted, and it must be accompanied by quality conformance and manufacturer test certificates.

15.2 Training

- a. Hands-on training for IISc engineers and technicians must be provided at no extra cost.

16. Marketing Support

- a. The Seller shall provide marketing support to IISc as mutually agreed upon.

17. Other terms and conditions

- a. Software Compatibility – If the equipment includes software, it must support integration with hospital EMR/HIS via HL7/FHIR standards, and required middleware as applicable.
- b. Standard Accessories – The system should come with all essential accessories (e.g., power cords, consumables) required for full functionality.
- c. Regulatory Compliance – The software should comply with National Health Stack requirements and undergo ABDM sandbox testing, if applicable.
- d. Data Protection – Any patient-related data generated by the equipment must adhere to DPDP Act guidelines, if applicable.
- e. BMS Integration – The system should include a portal for Building Management System (BMS) integration at no additional cost, if applicable.
- f. Local Service Support – Supplier must have a registered office, trained engineers, spare parts, calibration equipment, and installation references in Bangalore.
- g. Country of Origin Restrictions – Equipment/materials originating from countries sharing a land border with India will not be accepted.
- h. Cloud Based facilities- All cloud-based facilities should be hosted in the IISc by the vendor
- i. Vendor shall provide regulatory certificates (like CDSCO/CE/FDA/ISO/AERB/BIS) type approval where applicable) for the quoted model and the same is to be enclosed on the technical bid.

18. Vendor is to provide compliance with remarks against all terms and conditions

- a. The First column should describe your compliance with a "Yes" or "No" only. Ensure that the entries in column 1 and column 2 are consistent.
- b. The Second column should state the reasons/explanations/context for deviations, if any.
- c. The Third column can contain additional remarks from the OEM

- 19. A soft copy of the technical compliance sheet (only) in both pdf and worksheet like excel format should be submitted in pen drive along with technical bid

TEMPLATE FOR ACCEPTANCE OF MEDICAL EQUIPMENT FOR CLINICAL USAGE

SN	MEDICAL EQUIPMENT PRE-COMMISSIONING CHECK-LIST	Vendor to fill the details
1	Equipment name	
2	Main Unit Model & Serial No	
3	Date of receipt of equipment at site	
4	Goods opening report (item wise)	
5	Principal Company name	
6	Dealer/ Vendor name	
7	Vendor contact details including email address	
8	Equipment Model name	
9	User Department name	
10	End User (Head of Dept) Signature	
11	Clinical Engineers name	
12	Clinical Engineers Signature	
13	Service Engineers name and Contact number	
14	Application specialist name and contact number	
15	Main Unit - hardware as per Purchase Order (Vendor-signed PO and list of items supplied as per PO with invoice) to be enclosed as part of the commissioning documentation.	
16	Main Unit - software as per Purchase Order (Vendor-signed PO and list of software supplied as per PO with invoice) to be enclosed as part of the commissioning documentation.	
17	OEM items as per Purchase Order (Vendor-signed PO and list of items supplied as per PO with invoice) to be enclosed as part of the commissioning documentation.	
18	Accessories as per Purchase Order (Vendor-signed PO and list of items supplied as per PO with invoice) to be enclosed as part of the commissioning documentation.	
19	Consumables as per Purchase order- (Vendor signed PO and List of items supplied as per PO with invoiced) to be enclosed as part of commissioning documentation	
20	Brochure of equipment to be enclosed as part of the commissioning documentation.	
21	Technical Data Sheet to be enclosed as part of the commissioning documentation.	
22	Set of service manuals (1 hard copy & 1 PDF soft copy) to be handed over to the Clinical Engineering Dept.	
23	Set of instruction manuals - Two copies (1 hard copy and 1 PDF) to be handed over to the Clinical Engineering Dept.	
24	List of spares & additional accessories with re-ordering codes and costs used along with the equipment as a standard package (PDF).	
25	Equipment demo training information materials like PPT/Video to be handed over to the Clinical Engineering department.	
26	Duly signed letter from the vendor organization head (MD/CEO) stating that the supplied unit, accessories & OEM items are brand new from the factory, to be enclosed as part of the commissioning documentation.	
27	Quality test certificate of equipment from the factory, duly signed by the factory production in-charge, to be enclosed as part of the commissioning documentation.	
28	Software license document (PDF); including OS, system and application software, and commitment to support over the lifetime of the equipment, to be enclosed as part of the commissioning documentation.	
29	All cables from the equipment should have proper cable management, i.e., cable labeling.	
30	2S and HIRA (Hazard Identification and Risk Assessment) to be conducted during preventive maintenance wherever applicable to keep the working area clean.	
31	First-level training to Clinical Engineering (training certificate).	
32	Application training to the end-user on all functions demonstrated (training certificate).	
33	Do's and Don'ts for the equipment for the user group to be provided as part of the	

	training module, to be enclosed as part of the commissioning documentation.	
34	Preventive maintenance frequency calculated based on Equipment Risk Classification, Usage and Operational Intensity, Manufacturer's Recommendations, Historical Performance, and Failure Data.	
35	Preventive maintenance (PM) checklist to be predefined & duly filled during preventive maintenance, to be enclosed as part of the commissioning documentation.	
36	Preventive maintenance kit specification & details to be shared in advance, to be enclosed as part of the commissioning documentation.	
37	Preventive maintenance schedule should be done during non-clinical work operational hours based on prior approval from the user.	
38	Calibration schedules should be based on Manufacturer's Recommendations and after every major equipment breakdown servicing.	
39	The calibration process should follow NABL 126 guidelines.	
40	With each maintenance work, the service provider should hand over two physical copies of the service report (one for the user and one for the Clinical Engineering Dept.) along with a duly filled PM checklist. If physical copies are not available, soft copies should be provided to both the user and the Clinical Engineering Dept. Accepted downtime in hours & accepted equipment breakdown frequency as per PO terms should be understood by the service team, including downtime penalty	
41	Accepted Downtime in hours & accepted equipment breakdown frequency as per PO terms are understood by the service team including downtime time penalty.	
42	The service provider should maintain a logbook of maintenance at the user site.	
43	Shelf-life details of critical spares/accessories/consumables to be provided, to be enclosed as part of the commissioning documentation.	
44	Commissioning report should include (IQ/PQ/OQ) as part of equipment commissioning documents, duly signed by the user group, to be enclosed as part of the commissioning documentation.	
45	Cleaning & disinfection methodology, including the material used, to be provided at the time of commissioning of equipment, to be enclosed as part of the commissioning documentation.	
46	User application training schedule to be provided along with the PM schedule.	
47	Training materials soft copy (PPT/Video) to be shared for installation sign-off.	
48	Letter from the principal manufacturer stating their commitment to IISc for support of equipment for the coming years as per Purchase Order terms to be provided.	
49	CE/FDA, CDSCO Certificate to be enclosed as part of the commissioning documentation.	
50	The single-phase power cord supplied along with the equipment should have a 3-pin plug (Neutral, Phase, Earth) for Indian usage.	
51	Warranty card and details of the warranty to be enclosed as part of the commissioning documentation.	
52	Short shipped items (if any) with quantity. The warranty will start only after full supply, installation, testing, and commissioning of hardware, application software, and third-party equipment supplied along with the main equipment.	
53	OEM and Dealer Sales and Service Escalation contact details, including CEO/MD, to be enclosed as part of the commissioning documentation.	
54	Life of the equipment as committed during technical discussions to be provided with maintenance and spare support during the course of the year, irrespective of dealer change, as per PO terms and conditions, to be given on the OEM letterhead. In case the OEM stops service support during the sales-committed life, the vendor is expected to compensate with the depreciated cost of equipment or provide buyback or upgrade options according to the hospital's requirements.	
55	Any adverse events and recalls related to the equipment, if reported, need to be intimated to IMSF in a timely manner to ensure patient & staff safety by the vendor.	
	Signature: User Dept Head Head-Clinical Engineering	
	Date and time	
	All these details should be given in a spiral bound document by vendor to IISc.	

EQUIPMENT WARRANTY WILL START ONLY AFTER FULL COMPLIANCE OF ABOVE FORM	
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GENERAL TERMS AND CONDITIONS FOR COMPREHENSIVE/LABOUR MAINTENANCE CONTRACT(CMC/AMC)	
1) ALL TERMS AND CONDITIONS REMAIN UNCHANGED AS PER SALES PO	
2) AMC & CMC VALID FROM _____ TO _____	
3) THIS CONTRACT INCLUDES	
1	All equipment and items supplied by the OEM are covered under service contracts and must be replaced free of cost under CMC.
2	All equipment must be serviced by trained, authorized service engineers. The training certificate of the engineer must be submitted to the IMSF Clinical Engineering Team in advance.
3	Preventive maintenance frequency is calculated based on equipment risk classification, usage, operational intensity, manufacturer's recommendations, historical performance, and failure data.
4	The equipment preventive maintenance must be performed according to the predefined checklist provided in the service manual.
5	Operating system and anti-virus updates are an integral part of preventive maintenance.
6	The vendor will not allow their service engineer to train junior staff on our equipment.
7	Vendor to attend unlimited breakdown calls.
8	Call response time of two hours to be maintained; response time to attend calls within 2 hours is applicable, including holidays and non-working hours.
9	Breakdown frequency should not exceed twice the frequency of preventive maintenance.
10	Vendor must submit soft copies of all reports in two copies.
11	Vendor must maintain a service logbook at the user department.
12	Yearly downtime and breakdown frequency will be calculated based on the call logbook.
13	Any damage to hospital property during maintenance by the company engineer should be compensated to the hospital.
14	Vendor must ensure two preventive maintenance visits per year before the due date. Any malfunction or harm to the patient due to delayed preventive maintenance or calibration will be the sole responsibility of the vendor, including legal compensation. Preventive maintenance and calibration must be mandatory after repair or replacement of any spare parts, and necessary kits are to be provided FOC.
15	A copy of the preventive maintenance report with a checklist and a soft copy of calibration, if applicable, is to be shared within one day of execution. The preventive maintenance and calibration label, with done and due dates, must be affixed to the machine without fail, along with the clinical engineer.
16	Periodic training to clinical engineers and end-users, as and when applicable, is mandatory. Training documents must be provided for all concerned staff prior to the renewal of the contract. It is the vendor's responsibility to ensure training, including application training for all staff, without fail. Training materials (PPT/Video) must be submitted to the clinical engineering team prior to any training.
17	Vendor should provide the cleaning and disinfection protocol for the equipment, carry out necessary training periodically, and ensure that all concerned members are trained on the same.
18	Any recall related to the above equipment must be notified in writing, and required corrective actions must be carried out FOC. Necessary training must be provided to concerned staff.
19	Any adverse event reported must be intimated to the Materiovigilance department, and corrective action must be shared within one working day with the hospital.
20	Complete breakdown details, including downtime and preventive maintenance/calibration history, must be shared before the renewal of the next contract. Any downtime of more than 48 hours must include root cause analysis and

	corrective & preventive action with due diligence. Service reports must be legible and include call received, call attended, and call closed (including date & time) accurately. Any report missing this information will be deemed incomplete.
21	Unlimited spare support must be provided, except for consumables (filters). All accessories and parts are covered and included in the contract. Spares must be ordered and moved immediately after diagnosis, including during holidays and non-working hours.
22	Uptime must be maintained at 98%, including holidays and non-working hours.
23	Uptime is defined by the machine working for its intended purpose without compromising patient care or revenue. Any deviation will count as downtime, and for any additional downtime, the contract will be extended by 1:7 days.
24	A maximum of two breakdowns per preventive maintenance frequency is permitted. Any deviation will increase the preventive maintenance frequency in the subsequent year with any cost escalation.
25	Standby equipment must be provided within a day if the issue cannot be resolved for movable equipment.
26	The vendor escalation matrix, including sales and service contact details (mobile numbers & email IDs), must be provided without fail.
27	First-level service training must be provided for the concerned equipment, and the training certificate must be provided to the clinical engineering team members.
28	Preventive maintenance must not be executed during peak working hours and must be carried out as per the user's convenience. The preventive maintenance kit is included in the CMC and must be replaced during preventive maintenance.
29	The AMC bill will only be cleared after the submission of the equipment log report, which must include details of downtime and preventive maintenance (PM) or calibration history. This report must be provided prior to the renewal of the contract.
30	For equipment under AMC, the quotation for spare parts must be provided within one day of the service engineer's recommendation in the service report.
31	For equipment under AMC, no cannibalization of spare parts from working equipment by the service engineer is allowed.
32	Any spare part ordered for equipment under CMC must reach the hospital site within 72 hours.
33	All defective spare parts under AMC will be retained by the hospital. For equipment under CAMC, IMSF will mark the spare part as defective, and a non-returnable gate pass will be issued.

Template for purchase order terms	
General: Acceptance of this Purchase/ Work Order (hereinafter referred to as "PO/Order") includes the acceptance of the following terms & conditions and is made expressly conditional on Seller's assent to the exact terms contained herein. None of the terms in the Order may be modified, added to, or superseded, except with the written consent of Indian Institute of Science ("Buyer").	
1.Price: The prices mentioned in this Order are the prices at which Buyer has agreed to purchase the Goods or Services (as applicable). No escalation in the aforesaid prices shall be binding on Buyer, notwithstanding anything that may be mentioned in Seller's terms of acceptance of Order.	
2.Advice of Dispatch: A full and comprehensive dispatch advice notice shall be sent to stores or concerned departments of the Buyer ("Buyer Stores"). Instructions regarding dispatch & Insurance as mentioned in this Order should be complied with and the packing slips giving reference of Buyer order number shall be included securely with the goods in closed envelopes.	
3.Delivery Terms: (a) Deliver Date: Time is the essence in any Purchase Contract. Time of delivery/performance as mentioned in this Order shall be the essence of the Agreement and no variations shall be permitted except with prior authorization in writing from the Buyer. (b) Place of Delivery: The goods/services shall be delivered/performed strictly as per the instructions in the Order. All Goods/Services delivered/performed should reach Buyer Stores before 2.00 p.m. on weekdays except that no deliveries/ dispatches shall be made or accepted on Sundays or holidays in the working place of the Buyer. (c) Delayed Delivery: The time and date of delivery/performance as stipulated in the Order shall be deemed to be the essence of the Agreement. In case of delay in performance of its obligations by the Seller, or any extension granted by the Buyer, the Buyer shall at his option either (i) accept delayed deliveries at price reduced by a sum/ percentage (%) mentioned in the Purchase Order for every week of delay or part thereof; and/or (ii) cancel the Order in part or in full and purchase such	

<p>cancelled quantities from open market at the prevailing market price at the risk & cost of the Seller without prejudice to his rights under 3(c) (i) noted above in respect to the goods delivered; and/or (iii) refuse to accept the Goods delivered beyond the delivery date and claim/set-off the difference between the prevailing market price and contracted price of such quantity delivered belatedly by the Seller.</p> <p>(d) Delay due to force majeure: In the event of cause of force majeure occurring within the agreed delivery terms, the delivery date may be extended by the Buyer at its sole and absolute discretion on receipt of application from the Seller without imposition of liquidated damages. Only those cause which have duration of more than seven (7) consecutive calendar days will be considered the cause of force majeure. The Seller must inform the Buyer, by a Registered Post or courier letter duly Certified by the Chamber of Commerce or Statutory Authorities, the beginning and the end of the cause of delay immediately, but in no case later than ten (10) days from the beginning and end of each cause of force majeure as defined above.</p> <p>(e) The goods shall correspond with the description of the samples of the original specification thereof in full details and must be delivered and dispatched within the stipulated time, as the case may be. Otherwise, the same shall be liable to be rejected and the Seller shall be deemed to have failed to deliver the goods in breach of the PO. The Buyer shall in that event at its sole and absolute discretion, will be entitled to either purchase such goods from other sources on Seller's account, in which case, the Seller shall be liable to pay to the Buyer any difference between the price at which such goods have been purchased and the price calculated at the rate set out in this Order or to hold the Seller liable to pay the Buyer damages for non-delivery of goods for such breach.</p> <p>(f) Packing: Goods supplied against this order must be suitably and properly packed (conforming to special conditions stipulated by the Buyer, if any, for safe and/or undamaged transport by road or rail.)</p>
<p>4. Examination of goods: Irrespective of the fact that the goods are delivered to the Buyer by the Seller at the Seller's place or at Buyer's said office or are dispatched as per Buyer's instructions by rail or road, the goods shall always be supplied, subject to detailed inspection, at the Buyer works or such other destinations as specified in the Order for ascertaining whether the goods are in conformity with the Agreement or not and until then in no event the Buyer shall be deemed to have accepted such goods and upon any rejection of goods in question the Seller shall be deemed to have failed to deliver the concerned goods in accordance with the Agreement.</p>
<p>5. Rejection/ Removal of rejected goods and replacement: Buyer shall have the right to reject the goods whether in full or parts which are not delivered in accordance with the terms of the PO. within fifteen days from the receipt of the intimation from the Buyer of his rejection to accept the goods the Seller shall remove, at his own cost, the rejected goods from the Buyer's works or wherever such goods are lying. The Buyer shall not be in any way responsible for or be held liable for any loss or deterioration of the rejected goods as this shall be at the Seller's risk entirely. The Seller shall pay to the Buyer reasonable storage charges for storing such rejected goods for a period exceeding 15 days as aforesaid. Upon rejection, if the Seller fails to replace the goods with the goods acceptable to the Buyer within the contractual period then the Buyer may, solely at his discretion, exercise all or any of the following options in respect of the rejected/undelivered quantity:- a. Dispose-off the rejected goods and claim/set-off the difference between the prevailing market price and contracted price of such undelivered/rejected quantity to the Seller's account; and/or b. purchase such undelivered/rejected quantity from the open market at the prevailing market price at the risk and cost of the Seller.</p>
<p>6. Transit Insurance: In case insurance is not included in Seller's scope he must furnish details such as reference, Lorry Receipt, Note No., nature of packing, number of cases, gross weight net weight, train carrying the goods, value of the goods dispatched etc. immediately on dispatch to Buyer's office to take up insurance in case of goods sent by Regd... Post, the Regd. Post parcel No. should be furnished to the Buyer with a packing slip when action will be taken to insure the goods. This procedure will be adopted unless specially advised by the Buyer to the contrary.</p>
<p>7. Insurance: Seller agrees that during the term of its performance hereunder, it shall, at its sole cost, maintain worker's compensation insurance and other legally required insurance in accordance with and meeting requirements of applicable law.</p>
<p>8. Invoices: All bills/ invoices for supplies/ services made bearing registration number of the Seller should be marked to concerned Office or as mentioned in Order (quadruplicate) duly endorsed with Purchase Order, Reference Number and Date and be accompanied by advice of dispatch detailed packing list and by an appropriate certificate necessary under the GST Registration Rules and Regulations.</p>
<p>9. Billing Instructions: Seller must follow the billing instructions carefully and correctly to enable early settlement of his dues. Disregarding the same may involve delay in such settlement. Seller must mention the following information in his bill: (1) Vendor Code Number (2) Purchase Order Item Number (3) Material Code Number, if any. The abovementioned information will be always available in this Order sent to him. One copy of the above document is to be sent to Buyer at The Assistant Registrar, Stores and Purchase Section, Indian Institute of Science, Sir C V Raman Avenue, Bengaluru-560012 or to the address as advised by the Buyer.</p>
<p>10. Compliance with laws: It is clearly reiterated that the Seller is representing an Entity which is strictly complying with all the Laws of the Land as is expected generally from a Seller of a product. It is also made explicitly clear that (a) the Seller has and shall maintain as valid shall under this order strictly comply with the specifications and the requirements agreed upon. At any given point of time, the seller is obliged to produce all applicable licenses, permits, approvals, authorizations and/or or other statutory approvals required to perform its obligation/s under the PO; (b) shall at all times duly observe, perform and comply with all obligations, requirements and/ or prohibitions contained in any statutes, regulations or ordinance of any authority whether governmental or provincial, relating to or in any way affecting or regulating the respective performance of the PO by it.</p>
<p>11. Standard GST Clause: a. The price quoted in this PO for supply of goods shall be exclusive of any applicable Goods and Services Tax, Customs duties, or any other indirect tax as may be imposed by the Government of India from time to time. The Seller shall provide a proper invoice in the form and manner prescribed under GST Invoice Rules containing all the particulars mentioned therein. In the event that the Seller fails to provide the invoice in the form and manner prescribed under</p>

rules, Buyer shall not be liable to make any payment against such invoice. Notwithstanding anything contained anywhere in the Agreement, in the event that the input tax credit of the GST charged by Seller is denied by the tax authorities to Buyer, Buyer shall be entitled to recover such amount from the Seller by way of adjustment from the next invoice. In addition to the amount of GST, Buyer shall also be entitled to recover interest at the applicable rate and penalty, in case any penalty is imposed by the tax authorities on Buyer. b. As required by any applicable legislation, where identifiable cost savings are realised by virtue of the enactment of the GST law, those cost savings will be reflected in the calculations of the consideration under this Agreement and shall be passed on by the Seller to Buyer. c. Event of default clause – In the event that the Seller does not deposit the GST charged on the invoice issued to Buyer or such GST charged on the invoice and paid by Buyer is not reflected in online tax credit ledger on common GSTN portal of the govt. as eligible input tax credit for any reason whatsoever, this Agreement shall be liable to be terminated with immediate effect and Seller shall be liable to pay such damages as may be reasonably estimated by Buyer. In the event that the compliance rating prescribed under the GST Act, 2017 read with GST Rules, 2017 of Seller falls below prescribed level for any reason whatsoever, this Agreement shall be liable to be terminated with immediate effect and Seller shall be liable to pay such damages as may be reasonably estimated by Buyer. d. Representation and warranties clause – The Seller represents and warrants that it shall have and maintain in effect level of compliance rating as prescribed by the govt.

12. Warranty: The Seller warrants that goods and/or services supplier shall be of the highest grade and quality unless otherwise specified; shall conform to the specifications, drawings, samples or other descriptions contained in the Order or furnished or specified by the Buyer; shall be performed in a workmanlike manner; shall be fit and sufficient for the purpose intended; shall not violate any third party intellectual property rights and shall be merchantable, of good material and workmanship and free from all the defects whether latent or patent. In case the same is found to be defective, inter-alia, in respect of materials, workmanship, design or process of manufacturing within a period 12 months after the same had been put in use or 20 months from the date of acceptance of the goods by the Buyer, whichever is earlier, the Seller shall refund the price paid by the Buyer in respect of the said goods. The Seller shall guarantee that the material Seller further agrees that all materials / goods shall be repaired or replaced as the case may be as noted in Clause 20 below. All spare parts should carry the following: a) Name of the Machine b) OEM/Party's name c) Sr. at his / her own expense. The Seller shall be liable for all costs and damages and replacements at the sole option of the Buyer. These warranties are in addition to those implied by or available at law to Purchaser and shall exist notwithstanding the acceptance and/or inspection by Purchaser of all or part of the goods or services.

13. Right of the Buyer to Set Off: In the event, the Seller fails to deliver the goods in accordance with the terms of this PO, the Buyer shall have the right to cancel the PO forthwith and claim refund of any payment made by the Buyer as advance or otherwise to the Seller under the PO. The Buyer shall also have the absolute right to withhold, adjust, and/ or set-off any payment required to be made by the Buyer to the Seller under this PO or any other PO entered into between the parties against the cost, losses, damages etc. suffered by the Buyer due to the failure of the Seller to deliver the Goods in accordance with the terms of this PO, and the Seller expressly waives any objections it may have in this respect.

14. Cancellation/Termination: The Buyer reserves the right to cancel/terminate this Purchase Order or any part thereof. The Buyer shall be entitled to rescind the Agreement wholly or in part in a written notice to the Seller if (i) The Seller fails to comply with the terms of the Purchase Order; or (ii) The Seller goes bankrupt or goes into liquidation proceedings; or (iii) The Seller fails to deliver the goods on time and / or replace the rejected goods promptly; or (iv) the Seller fails to deliver the Goods/Services of desired quality, weight, specification, drawing, layout, design, etc.; or (v) The Seller makes general assignment for the benefit of the creditors; or (vi) Receiver is appointed in respect of property of the Seller. The Buyer shall also be entitled to cancel this Order without assigning any reasons or becoming any way liable in such cancellation.

15. No Assignment: This Purchase Order shall not be assigned to any other agency by the Seller without obtaining prior written consent of the Buyer.

16. Force Majeure: Failure or omission to carry out or observe any of the stipulation or condition of the Agreement shall not give rise to any claim or be deemed a breach of the Agreement if the same shall arise from any of the following causes. viz. the imposition or restriction on Import, Acts of God. The Seller submits his acceptance of this agreement with the above conditions by acceptance of Buyer's Order even in cases where the confirmation has been made under assumption of different conditions.

17. Special Conditions: Seller will ensure that all statutes, regulations of the Central or State Government are strictly followed. Buyer shall not be liable to pay any damages/compensation due to non-compliance of these rules / regulations by Seller.

18. Arbitration: Any dispute arising out of or in connection with the agreement shall be settled by Arbitration in accordance with the Arbitration Conciliation Act, 1996. The arbitration proceedings shall be conducted in English in Bengaluru by the sole arbitrator appointed by the Buyer. The cost of arbitration shall be shared equally between the parties unless decided otherwise by the arbitrator.

19. Dispute & Jurisdiction of Bengaluru: All disputes shall be subjected to the exclusive jurisdiction of the court in Bengaluru only or as provided in the PO/Order.

20. Limitation of Liability: In no event shall Buyer be liable to Seller, or to Seller's officers, employees or representatives, or to any third party, for any indirect, consequential, incidental, special, punitive or exemplary damages of whatsoever nature (including, but not limited to, lost business, lost profits, damage to goodwill or reputation and/or degradation in value of brands, trademarks or trade names, service names or service marks, or injury to persons) whether arising out of breach of contract, warranty, tort (including negligence, failure to warn or strict liability), contribution, indemnity, subrogation or otherwise.

21. All spare parts should carry the following: a) Name of the equipment b) OEM/Party's name c) Sr. No. as per the catalogue d) Buyer's Order No. and date and e) Quantity all relevant information.

22. Works carried out in Buyer's Institution or premises by the Sellers representatives etc.: Agent representative or employees of the Seller who in pursuance of the Agreement have to work in Buyer/Owner's Institution/Premises will be subject to the rules and regulations existing in the works. The Buyer shall not be liable for any accident which may cause to the Sellers personnel.

23. Intellectual Property Rights: All drawings, specifications and other documents furnished by Buyer and the Buyer's consultants, and copies thereof furnished to the Seller, are for use solely with respect to this Order. Such drawings, specifications and other documents are to be returned to the Buyer at the completion of the Order or earlier termination of this Agreement. All drawings, specifications and other documents prepared by or for Seller in contemplation of, in the course of, or as a result of performing the work shall be deemed works for hire and all right, title and interest therein shall vest in Buyer, whether or not the Order is ultimately completed. To the extent such drawings, specifications or other documents cannot be considered, by operation of law, works for hire, Seller shall assign to Buyer all right, title and interest thereto and all copies of such drawings, specifications and other documents shall be delivered to Buyer upon completion of the Order or earlier termination of this Agreement. Seller agrees to provide Buyer with reasonable assistance necessary to perfect Seller's interest in intellectual property created under this Agreement. This shall include, but not be limited to, the execution of documents necessary for the Copyright registration. No drawings, specifications or other documents may be used by the Seller or any Sub seller or material or equipment supplier on other projects or for additions to their Project outside the scope of the work without the specific written consent of the Buyer. The Seller, Sub suppliers, Sub-Sub suppliers and material or equipment suppliers are authorized to use and reproduce applicable portions of the drawings, specifications or other documents appropriate to and for use in the execution of their work under the contract documents. All copies made under this authorization shall bear the statutory copyright notice, if any, shown on the drawings, specifications and other documents prepared by or for the Buyer. Submittal or distribution to meet official regulatory requirements or for other purposes in connection with this Project is not to be construed as publication in derogation of the Purchaser's copyrights or other reserved rights. Any intellectual property conceived or developed during the course of the Order based upon or arising from Buyer's confidential and proprietary information shall be solely owned by Buyer. Except as expressly provided herein, no license or right is granted hereby to the Seller, by implication or otherwise, with respect to or under any patent application, patent, claims or patent or proprietary rights of Buyer.

24. The terms and conditions of this Order constitute the entire Agreement between the parties here to and changes will be binding only if the amendments are made in writing and signed by the authorized representatives of the Buyer and the Seller.

25. Risk of loss and/or damage to any goods furnished hereunder shall be upon Seller until the goods are physically delivered to Buyer's facility specified on the face of the Order and accepted by the Buyer.

26. Indemnification: Seller agrees to defend, indemnify and hold harmless the Buyer, its affiliated companies or parent companies, and their officers, employees, agents, guests, invitees and customers from and against any and all liability, loss, damage, fine, penalty, cost or expense (including attorneys' fees) by reason of any allegation, claim, action or suit, whether for death, personal injury, property damage or otherwise, arising out of (1) failure of the goods or services supplied to meet specifications or warranties or for the goods or services to be otherwise defective; or (2) any alleged or actual, direct or contributory infringement or misappropriation of any patent, copyright, trade secret or other proprietary right arising from the purchase, use or sale of such goods or services; or (3) any leak or spill of any goods while being transported or delivered to Buyer; or (4) any breach by Seller of any term or condition contained in the Order; or (5) violation of applicable laws; or (6) alleged defect in the Goods and/or packaging material, or packed Product, or due to the Goods or packaging thereof being alleged to not adhere to any standard or quality set out herein or under any applicable laws; and/or (7) the acts, omissions, or wilful misconduct of Seller's employees and subcontractors, including their agents and representatives, and all other persons performing any services under the Order with the Seller, whether or not caused in part by a party indemnified hereunder. In the event that the goods or services, in Purchaser's reasonable opinion, are likely to infringe a patent or copyright, or misappropriate a trade secret (and in any event, if a court of law finds that the goods or services, in fact, do infringe or misappropriate), then Seller shall further provide Buyer one of the following forms of relief to be chosen by Seller: (a) obtain a license on Buyer's behalf to continue to use or sell the goods or services; (b) redesign the goods or services so that they do not infringe or misappropriate; or (c) refund Buyer the price paid for the goods or services in question. In any and all claims against Buyer by any employee of Seller, any subcontractor, anyone directly or indirectly employed by any of them, or anyone for whose acts any of them may be liable, the indemnification obligation under the Paragraph shall not be limited in any way by any indemnity or limitation on the amount or type of damages, compensation or benefits payable by or for Supplier, any subcontractor, or anyone directly or indirectly employed by any of them under workers' compensation acts, disability benefit acts, or other employee benefit acts.

27. Confidentiality: Seller shall keep confidential all specifications and proprietary information furnished by Buyer or prepared by Seller in connection with the performance of the Order (including the existence and terms of the Order) and shall not divulge or use such specifications or information for the benefit of itself or any other party, except as required for the efficient performance of the Order. Upon completion of the Order, Supplier shall make no further use, either directly or indirectly, of any such specifications or information.

28. Disposal: If applicable, Seller shall at all times retain title of ownership to any and all materials, substances or chemicals not incorporated into the work that Seller or any subcontractor brings onto Buyer's premises. Seller shall be solely responsible for the handling, transportation and disposal of any and all materials, substances and chemicals. Seller or any subcontractor brings onto Buyer's premises, and any waste generated or resulting from the use thereof. Seller shall not dispose or permit the release of any materials, substance or chemical, or any waste generated or resulting from the use thereof on Buyer's premises. Seller shall handle, transport, and dispose of any and all substances and chemicals, including but not limited to hazardous wastes and substances as defined by applicable federal, state and local laws, rules, regulations, codes and ordinances.

29. Severability: If any provision of this Agreement is held to be invalid, illegal or un-enforceable, either in whole or in part,

that holding will not affect the validity, legality or enforceability of the remaining provisions of this Order
30. Original Excise Gate pass must accompany each delivery for excisable goods, if applicable.
31. The Seller will not claim without our knowledge any refund from the excise authorities for the amount of Central Excise duty on the supplies made to us. The Seller shall also undertake to refund to the Buyer all money recovered by him from Govt. authorities for which he has been paid by the Buyer.
32. Unless a specific objection to each of the terms of this Purchase order is raised within 24 hours from the date of Purchase order/email under which this PO is sent, it shall be deemed to be accepted in full.
33. Supplier (Seller) Code of Integrity: The Seller/ Supplier agrees to follow code of integrity and code of conduct as prescribed by General Financial Rules 2017.

TENDER SPECIFICATION

SN	TYPE 1-RADIOLOGY					
					Additional remarks from the OEM. You can use this opportunity to highlight technical features and qualify the response of previous columns.	Datasheet & technical offer Page reference number.
A	General specification	Specification available	Compliance (Yes/No)	The reasons/explanations/context for deviations, if any.		
1	The system shall be a top-of-the-line colour Doppler ultrasound with real-time 2D Shear Wave Elastography capability.					
2	The system shall support multiple imaging modes including B-Mode, M-Mode, Colour Flow, Power Doppler, Contrast Enhanced Ultrasound (CEUS), and 3D/4D Volume Scanning.					
3	The system shall support transducers with Single Crystal, Matrix Array and broadband technology.					
4	The system shall be based on latest generation digital beam former technology with high dynamic range and fast processing channels.					
B	Monitor and user interface					
1	The system console shall have height and rotation adjustment.					

2	The system shall include at least a 23" or larger medical grade LED / High-Definition monitor.					
3	The monitor shall be mounted on an articulating arm that moves side-to-side, forward, and backward.					
4	The system shall include a touch panel of 12" or more for parameter control and workflow management.					
5	The system shall have a minimum of four active universal probe ports.					
C	Features					
1	The system shall offer extended field-of-view imaging by sweeping a transducer over the anatomy of interest, building the image in real time.					
2	The system shall have image management features to store images by patient and review images from different exam dates.					
3	The system shall support storage of digital raw data allowing optimization of imaging parameters (B Gain, TGC, Colour Gain, Dynamic Range, Speckle Reduction, Doppler Gain, Doppler Base Line) on previously saved loops.					
4	The system shall allow live image and archive image side-by-side or quad display on a single monitor.					
5	The system shall have Shear Wave Elastography with colour-coded adjustable ROI box and a quality indicator for MSK, breast, abdomen and prostate. (The following probes shall support Shear Wave Elastography for Convex ,Linear & TV/TR)					
5.1	The system shall display measurements in both kPa and m/s on the same screen.					
5.2	The system shall capture at least 10 or more measurements in a single frame, with offline analysis possible.					
6	The system shall quantify liver steatosis to aid early identification and monitoring of NAFLD, NASH, or ASH (in dB/m or dB/cm/MHz) for the adult population.					
7	The System should be upgradable to Fusion/Volume Navigation, with sensors and auto registration and auto correction.					
8	The system should have Contrast Enhanced Ultrasound (CEUS) capability with Time Intensity Curve (TIC) graphs in linear, convex probe.					
9	The system shall be able to compare previous patient images during live scan.					
10	The system shall have micro vessel flow detection using non-Doppler technology.					
11	The system shall have the capability for automatic/manual measurement of lesion/cyst area. The bidder shall clearly specify whether the automatic measurement feature is available.					

12	The system shall include AI-assisted Doppler automation, automatically placing the colour box based on vessel detection and direction.					
13	The system shall be supplied with image management software providing professional reporting and image management functionality.					
13.1	The software shall include advanced image review features and volume ultrasound post-processing tools.					
D	Data Processing					
1	The system shall allow post-storage image manipulation, including adjustment of:					
1.1	Overall B-Mode gain					
1.2	Dynamic range					
1.3	Gray scale maps					
1.4	Overall Doppler gain					
1.5	base line shift					
1.6	sweep speed					
1.7	inverted spectral waveform.					
1.8	Anatomical M-Mode adjustments.					
2	The system shall provide display zoom function on frozen images.					
E	Scanning Parameters					
1	The system shall have Minimum of 100,00,000 or infinite digital processing channels or more.					
2	The system shall have Speckle Reduction Technology to enhance borders, improve resolution, and display side-by-side comparison with non-speckle-reduced image.					
3	The system shall have Compound Imaging mode up to 7 lines or more on all linear and convex probes.					
4	The bidder shall specify whether the system supports depth range from 1 cm to 40 cm or more.					
5	The bidder shall specify whether the system supports frame rate higher than 1900 fps or more.					
6	The system shall display 256 Gray shades.					
7	The system shall Support					
7.1	i) B-Mode					
7.2	ii) M-Mode imaging.					
8	The system shall support Coded Tissue Harmonic Imaging on all transducers.					
9	The system shall Support:					
9.1	i) Colour Flow					
9.2	ii) Bi-directional Power Doppler					
9.3	iii)Pulse Wave Doppler modes.					
F	Measurements and Calculations					

1	The system shall allow measurements to be performed on both frozen and archived images.					
2	The system shall include comprehensive calculation packages for obstetric, gynaecologic, and vascular studies, with summary reports.					
G	Image Archiving and Networking					
1	The system shall have at least 1TB internal HDD with 800GB usable space for image and data storage.					
2	The system shall store images in DICOM, JPG, WMV, and AVI formats.					
3	The system shall have full DICOM connectivity for image transfer, reporting, and PACS integration.					
H	Transducers					
1	The system shall be supplied with a single crystal convex array transducer operating within a frequency range of anywhere between 1–7 MHz suitably optimized to ensure optimal image quality for abdominal, liver, obstetric, and gynaecological imaging.					
2	The system shall be supplied with a single-crystal linear array transducer within a frequency range of anywhere between 2–14 suitably optimized to ensure optimal image quality for vascular, musculoskeletal, thyroid, and breast imaging.					
3	The system shall be supplied with a single crystal / matrix phased array transducer within a frequency range of anywhere between 1–5 MHz, suitably optimized to ensure optimal image quality for adult cardiology applications.					
4	The system shall be supplied with an endocavitary transducer within a frequency range of anywhere between 2–11 MHz, suitably optimized to ensure optimal image quality for transvaginal and transrectal examinations.					
5	The system shall be supplied with a micro-convex transducer within a frequency range of anywhere between 3–10 suitably optimized to ensure optimal image quality for paediatric and intercostal imaging.					
6	The system shall be supplied with a paediatric phased array transducer within a frequency range of anywhere between 2–8 suitably optimized to ensure optimal image quality for paediatric echocardiography.					
7	The system shall be supplied with a high-frequency linear transducer within a frequency range of anywhere between 3–22 suitably optimized to ensure optimal image quality for superficial and musculoskeletal applications.					

8	The system shall be supplied with a small-footprint hockey stick transducer within a frequency range of anywhere between 3–24 suitably optimized to ensure optimal image quality for small parts imaging and intraoperative/surgical applications.					
I	Other Requirements					
1	All probes shall have a minimum of 192 elements, except the cardiac probe.					
2	The system should be upgradeable with Spatio-Temporal Image Correlation (STIC) tool for quick foetal echocardiography evaluation.					
3	The system shall offer 3D-like hemodynamic visualization in 2D Colour Doppler with selectable levels for low-flow and high-flow vessel assessment.					
4	The system shall provide automatic IMT measurement.					
5	The system shall support CAD diagnosis for coronary artery disease with wall motion scoring and reporting.					
6	The system shall be compatible with adult, paediatric, neonatal cardiac probes and be future-ready for 2 D adult TEE probe.					
7	The system shall provide advanced shear wave elastography with automatic frame selection and ROI placement.					
8	The system shall support advanced microvascular CEUS with motion compensation and Time-of-Arrival based feeder vessel identification.					
9	The system shall have a GPU-based beamformer with ≥450 dB dynamic range, capable of supporting future AI upgrades without hardware change					
10	The system shall provide AI-based organ measurement tools to reduce operator variability and improve workflow.					
11	The system shall be capable of Multi-Modality Image Fusion – real-time overlay of CT, MRI, or PET with live ultrasound for interventional procedures.					
12	The system shall be capable of Enhanced Needle Visualization – beam-steering software to track needle shaft and tip during deep-tissue biopsies or aspirations.					
13	The system shall be capable of Advanced MSK & Nerve Imaging – ultra-high frequency transducers (up to 22 MHz) for peripheral nerves and superficial musculoskeletal structures.					
14	Neuro-Radiology – Transcranial Doppler (TCD) and Neonatal Cephalic imaging with high-frequency phased array.					
15	The system shall be capable of Full DICOM Interoperability – Query/Retrieve, Modality Worklist, and Storage Commitment for seamless PACS/HIS					

	integration.					
J	Clinical Application Areas:					
1	The system shall support Abdominal and Hepatobiliary Imaging.					
2	The system shall support Obstetrics and Gynaecology.					
3	The system shall support Vascular Imaging.					
4	The system shall support Musculoskeletal (MSK) Imaging.					
5	The system shall support Thyroid and Superficial Structure Imaging.					
6	The system shall support Breast Imaging.					
7	The system shall support Adult and Paediatric Cardiology (Echocardiography).					
8	The system shall support Pelvic Imaging, including Transvaginal and Transrectal approaches.					
9	The system shall support Paediatric Imaging, including Abdominal and Intercostal applications.					
10	The system shall support Small Parts and Surgical/Intraoperative Imaging.					
11	The system shall support Image-Guided Interventional Procedures, including Biopsy, Aspiration, and Drainage.					
K	Certifications					
1	The system should be FDA/ CE and CDSCO					
2	The equipment must comply with IEC 60601-1 (electrical safety) and IEC 60601-1-2 (EMC compliance)					
3	The bidder shall specify the IP rating of the equipment, ensuring adequate protection against solid objects and incidental contact.					
4	The power cord should comply with IS 1293:2019 (Indian Standard for 3-pin plugs and sockets) and bear the ISI mark, ensuring conformity with Indian safety and performance standards. It should be made of PVC (Polyvinyl Chloride) for durability and flame retardancy, with a temperature rating of 5°C to +70°C. The cord should be flexible for use in various orientations and environments without risk of breakage and typically range from 1.5 meters to 3 meters, with longer cords available as per requirement.					

SN	TYPE 2- Radiology
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A	General specification	Specification available	Compliance (Yes/No)	The reasons/explanations/context for deviations, if any.	Additional remarks from the OEM. You can use this opportunity to highlight technical features and qualify the response of previous columns.	Datasheet & technical offer Page reference number.
1	The system shall be a top-of-the-line colour Doppler ultrasound with real-time 2D Shear Wave Elastography capability.					
2	The system shall support multiple imaging modes including B-Mode, M-Mode, Colour Flow, Power Doppler, Contrast Enhanced Ultrasound (CEUS), and 3D/4D Volume Scanning.					
3	The system shall support transducers with Single Crystal, Matrix Array and broadband technology.					
4	The system shall be based on latest generation digital beam former technology with high dynamic range and fast processing channels.					
B	Monitor and user interface					
1	The system console shall have height and rotation adjustment.					
2	The system shall include at least a 23" or larger medical grade LED / High-Definition monitor.					
3	The monitor shall be mounted on an articulating arm that moves side-to-side, forward, and backward.					
4	The system shall include a touch panel of 12" or more for parameter control and workflow management.					
5	The system shall have a minimum of four active universal probe ports.					
C	Features					
1	The system shall offer extended field-of-view imaging by sweeping a transducer over the anatomy of interest, building the image in real time.					
2	The system shall have image management features to store images by patient and review images from different exam dates.					
3	The system shall support storage of digital raw data allowing optimization of imaging parameters (B Gain, TGC, Colour Gain, Dynamic Range, Speckle Reduction, Doppler Gain, Doppler Base Line) on previously saved loops.					

4	The system shall allow live image and archive image side-by-side or quad display on a single monitor.					
5	The system shall have Shear Wave Elastography with colour-coded adjustable ROI box and a quality indicator for MSK, breast, abdomen and prostate. (The following probes support Shear Wave Elastography for Convex & Linear)					
5.1	The system shall display measurements in both kPa and m/s on the same screen.					
5.2	The system shall capture at least 10 or more measurements in a single frame, with offline analysis possible.					
6	The system shall quantify liver steatosis to aid early identification and monitoring of NAFLD, NASH, or ASH (in dB/m or dB/cm/MHz) for the adult population.					
7	The system shall be upgradable to Fusion/Volume Navigation, with built-in sensors and auto registration.					
8	The system should have Contrast Enhanced Ultrasound (CEUS) capability with Time Intensity Curve (TIC) graphs in linear and convex probe.					
9	The system shall be able to compare previous patient images during live scan.					
10	The system shall have micro vessel flow detection using non-Doppler technology.					
11	The system shall have the capability for automatic/manual measurement of lesion/cyst area. The bidder shall clearly specify whether the automatic measurement feature is available.					
12	The system shall include AI-assisted Doppler automation, automatically placing the colour box based on vessel detection and direction.					
D	Data Processing					
1	The system shall allow post-storage image manipulation, including adjustment of:					
1.1	Overall B-Mode gain					
1.2	Dynamic range					
1.3	Gray scale maps					
1.4	Overall Doppler gain					
1.5	base line shift					
1.6	sweep speed					
1.7	inverted spectral waveform.					

1.8	Anatomical M-Mode adjustments.					
2	The system shall provide display zoom function on frozen images.					
E	Scanning Parameters					
1	The system shall have Minimum of 70,00,000 or infinite digital processing channels or ≥ 128 physical channels.					
2	The system shall have Speckle Reduction Technology to enhance borders, improve resolution, and display side-by-side comparison with non-speckle-reduced images.					
3	The system shall have Compound Imaging mode up to 7 lines or more on all linear and convex probes.					
4	The bidder shall specify whether the system supports depth range from 1 cm to 40 cm or better.					
5	The bidder shall specify whether the system supports frame rate higher than 1900 fps or more.					
6	The system shall display 256 Gray shades.					
7	The system shall Support					
7.1	i) B-Mode					
7.2	ii) M-Mode imaging.					
8	The system shall support Coded Tissue Harmonic Imaging on all transducers.					
9	The system shall Support:					
9.1	i) Colour Flow					
9.2	ii) Bi-directional Power Doppler					
9.3	iii) Pulse Wave Doppler modes.					
F	Measurements and Calculations					
1	The system shall allow measurements to be performed on both frozen and archived images.					
2	The system shall include comprehensive calculation packages for obstetric, gynaecologic, and vascular studies, with summary reports.					
G	Image Archiving and Networking					
1	The system shall have at least 1TB internal HDD with 800GB usable space for image and data storage.					
2	The system shall store images in DICOM, JPG, WMV, and AVI formats.					
3	The system shall have full DICOM connectivity for image transfer, reporting, and PACS integration.					
H	Transducers					
1	The bidder shall specify whether					

	the system supports to handle frequencies from 1-20MHz					
2	The system shall be supplied with a single-crystal convex array transducer within a frequency range of anywhere between 1–7 suitably optimized to ensure optimal image quality for abdominal and general imaging applications.					
3	The system shall be supplied with a single crystal linear array transducer within a frequency range of anywhere between 2–14 suitably optimized to ensure optimal image quality for vascular, thyroid, breast, and musculoskeletal applications.					
4	The system shall be supplied with a single crystal / matrix phased array transducer within a frequency range of anywhere between 1–5 MHz, suitably optimized to ensure optimal image quality for adult cardiology applications.					
5	The system shall be compatible with an endocavitary transducer within a frequency range of anywhere between 2–11 suitably optimized to ensure optimal image quality for transvaginal and transrectal examinations.					
6	The system shall be supplied with a micro-convex transducer within a frequency range of anywhere between 4–10 suitably optimized to ensure optimal image quality for paediatric and intercostal imaging.					
7	The system shall be supplied with a paediatric phased array transducer within a frequency range of anywhere between 2–8 suitably optimized to ensure optimal image quality for paediatric echocardiography.					
8	The system shall be supplied with a high-frequency linear transducer within a frequency range of anywhere between 3–22 suitably optimized to ensure optimal image quality for superficial and musculoskeletal applications.					
9	The system shall be supplied with a small-footprint hockey stick transducer within a frequency range of anywhere between 3–24 suitably optimized to ensure optimal image quality for small parts imaging and intraoperative/surgical applications.					
I	Clinical Application Areas:					
1	The system shall support Abdominal and Hepatobiliary					

	Imaging.					
2	The system shall support Obstetrics and Gynaecology.					
3	The system shall support Vascular Imaging.					
4	The system shall support Musculoskeletal (MSK) Imaging.					
5	The system shall support Thyroid and Superficial Structure Imaging.					
6	The system shall support Breast Imaging.					
7	The system shall support Adult and Paediatric Cardiology (Echocardiography).					
8	The system shall support Pelvic Imaging, including Transvaginal and Transrectal approaches.					
9	The system shall support Paediatric Imaging, including Abdominal and Intercostal applications.					
10	The system shall support Small Parts and Surgical/Intraoperative Imaging.					
11	The system shall support Image-Guided Interventional Procedures, including Biopsy, Aspiration, and Drainage.					
J	Certification and others					
1	The system should be FDA/ CE and CDSCO					
2	The equipment must comply with IEC 60601-1 (electrical safety) and IEC 60601-1-2 (EMC compliance)					
3	The bidder shall specify the IP rating of the equipment, ensuring adequate protection against solid objects and incidental contact.					
4	Bidder shall specify the country of origin for the quoted model					
5	The power cord should comply with IS 1293:2019 (Indian Standard for 3-pin plugs and sockets) and bear the ISI mark, ensuring conformity with Indian safety and performance standards. It should be made of PVC (Polyvinyl Chloride) for durability and flame retardancy, with a temperature rating of 5°C to +70°C. The cord should be flexible for use in various orientations and environments without risk of breakage and typically range from 1.5 meters to 3 meters, with longer cords available as per requirement.					

SN	TYPE 3 Urology-USG					
A	General specification	Specification available	Compliance (Yes/No)	The reasons/explanations/context for deviations, if any.	Additional remarks from the OEM. You can use this opportunity to highlight technical features and qualify the response of previous columns.	Datasheet & technical offer Page reference number.
1	The system shall be a colour Doppler ultrasound with real-time 2D Shear Wave Elastography capability.					
2	The system shall support multiple imaging modes including B-Mode, M-Mode, Colour Flow, Power Doppler, Contrast Enhanced Ultrasound (CEUS), and 3D/4D Volume Scanning.					
3	The system shall support transducers with Single Crystal, Matrix Array and broadband technology.					
4	The system shall be based on latest generation digital beam former technology with high dynamic range and fast processing channels.					
B Monitor and user interface						
1	The system console shall have height and rotation adjustment.					
2	The system shall include at least a 23" or larger medical grade LED / High-Definition monitor.					
3	The monitor shall be mounted on an articulating arm that moves side-to-side, forward, and backward.					
4	The system shall include a touch panel of 12" or more for parameter control and workflow management.					
5	The system shall have a minimum of four active probe.					
C Features						
1	The system shall offer extended field-of-view imaging by sweeping a transducer over the anatomy of interest, building the image in real time.					
2	The system shall have image management features to store images by patient and review images from different exam dates.					
3	The system shall support storage of digital raw data allowing optimization of imaging parameters (B Gain, TGC, Colour Gain, Dynamic Range, Speckle Reduction, Doppler Gain, Doppler Base Line) on previously saved loops.					

4	The system shall allow live image and archive image side-by-side or quad display on a single monitor.					
5	The system shall have Shear Wave Elastography with colour-coded adjustable ROI box and a quality indicator for MSK, breast, abdomen and prostate. (Convex, Linear)					
5.1	The system shall display measurements in both kPa and m/s on the same screen.					
5.2	The system shall capture at least 10 or more measurements in a single frame, with offline analysis possible.					
6	The system shall quantify liver steatosis to aid early identification and monitoring of NAFLD, NASH, or ASH (in dB/m or dB/cm/MHz) for adult population.					
7	The system shall be upgradable to Fusion/Volume Navigation, with built-in sensors and auto registration.					
8	The system should have Contrast Enhanced Ultrasound (CEUS) capability with Time Intensity Curve (TIC) graphs in linear and convex probe.					
9	The system shall be able to compare previous patient images during live scan.					
10	The system shall have micro vessel flow detection using non-Doppler technology.					
11	The system shall have the capability for automatic/manual measurement of lesion/cyst area. The bidder shall clearly specify whether the automatic measurement feature is available.					
12	The system shall include AI-assisted Doppler automation, automatically placing the colour box based on vessel detection and direction.					
D	Data Processing					
1	The system shall allow post-storage image manipulation, including adjustment of:					
1.1	Overall B-Mode gain					
1.2	Dynamic range					
1.3	gray scale maps					
1.4	Overall Doppler gain					
1.5	base line shift					
1.6	sweep speed					
1.7	inverted spectral waveform.					
1.8	Anatomical M-Mode adjustments.					
2	The system shall provide display					

	zoom function on frozen images.					
E	Scanning Parameters					
1	The system shall have Minimum of 70,00,000 or infinite digital processing channels or >=128 physical channels.					
2	The system shall have Speckle Reduction Technology to enhance borders, improve resolution, and display side-by-side comparison with non-speckle-reduced image.					
3	The system shall have Compound Imaging mode up to 7 lines or more on all linear and convex probes.					
4	The bidder shall specify whether the system supports depth range from 1 cm to 40 cm or more.					
5	The bidder shall specify whether the system supports frame rate higher than 1900 fps or more.					
6	The system shall display 256 gray shades.					
7	The system shall Support					
7.1	i) B-Mode					
7.2	ii) M-Mode imaging.					
8	The system shall Support for Coded Tissue Harmonic Imaging on all transducers.					
9	The system shall Support:					
9.1	i)Colour Flow					
9.2	ii) Bi-directional Power Doppler					
9.3	iii)Pulse Wave Doppler modes.					
F	Measurements and Calculations					
1	The system shall allow measurements to be performed on both frozen and archived images.					
2	The system shall include comprehensive calculation packages for obstetric, gynaecologic, and vascular studies, with summary reports.					
G	Image Archiving and Networking					
1	The system shall have at least 500GB internal HDD with 300GB usable space for image and data storage.					
2	The system shall store images in DICOM, JPG, WMV, and AVI formats.					
3	The system shall have full DICOM connectivity for image transfer, reporting, and PACS integration.					
H	Transducers					
1	System should be able to handle frequencies from 1-20MHz					

2	The system shall be supplied with a single-crystal convex transducer within a frequency range of 1–7 MHz, suitably optimized for high-quality abdominal imaging and supporting Shear Wave Elastography.					
3	The system shall be supplied with a Single crystal /broadband linear transducer within a frequency range of 3–15 MHz, suitably optimized for abdominal, vascular, and small parts imaging and supporting Shear Wave Elastography.					
4	The system shall be supplied with a broadband transvaginal/transrectal (TV/TR) transducer within a frequency range of 2-11 MHz, suitably optimized for gynaecological studies, please specify if probe supports Shear Wave Elastography.					
5	The system shall be supplied with a broadband /single-crystal micro-convex transducer within a frequency range of 3–10 MHz, suitably optimized for paediatric imaging applications.					
6	The system shall be supplied with a high-frequency linear transducer within a frequency range of anywhere between 3–22 suitably optimized to ensure optimal image quality for superficial and musculoskeletal applications.					
1	Optional Probe: (Specify if available)					
1	The system shall be compatible with a high-frequency hockey stick linear transducer operating within a frequency range of 7–22 MHz, suitably optimized for superficial and small parts imaging applications.					
2	The system shall be compatible with a high-frequency convex transducer operating within a frequency range of 3–9 MHz, suitably optimized for specialized superficial and focused diagnostic imaging applications.					
3	The system shall be compatible with a high-frequency linear array transducer operating within a frequency range of 10–15 MHz, suitably optimized for detailed scrotal and penile imaging applications. (Optional)					
4	The system shall be compatible with a bi-plane transrectal transducer for urology applications, operating within a frequency range					

	of 2–14 MHz, suitably optimized for prostate imaging and interventional procedures.					
J	Clinical Application Areas:					
1	The system shall provide comprehensive measurement tools including distance, area, volume, and velocity calculations for clinical evaluation.					
2	The system shall support bidirectional Colour Doppler imaging with selectable colour maps for accurate visualization of blood flow direction and velocity.					
3	The system shall provide adjustable Pulse Repetition Frequency (PRF) with support for low PRF settings.					
4	The system shall support manual Doppler angle correction up to $\leq 60^\circ$.					
5	The system shall include an adjustable wall filter for Doppler signal optimization.					
6	The system shall provide automatic/Manual prostate volume calculation using the ellipsoid method.					
7	The system shall support automatic/Manual pre-void and post-void bladder volume calculations.					
8	The system shall provide automatic/Manual calculation of renal resistive index (RI).					
9	The system shall support automatic/Manual testicular volume calculation.					
10	The system shall include a dedicated small parts examination preset.					
11	The system shall support following test/ study					
12	Renal Ultrasound					
13	Renal Doppler					
14	Bladder Scan					
15	Post-Void Residual (PVR)					
16	TRUS Prostate					
17	Prostate Volume Measurement					
18	Prostate Vascularity (Colour Doppler)					
19	TRUS-Guided Biopsy					
20	Scrotal Ultrasound					
21	Testicular Doppler					
22	Varicocele Assessment					
23	Epididymal Evaluation					
24	Penile Doppler (optional)					

25	Pelvic Doppler					
26	Guided Procedures					
K	Certification and others					
1	The system should be FDA/ CE and CDSCO					
2	The equipment must comply with IEC 60601-1 (electrical safety) and IEC 60601-1-2 (EMC compliance)					
3	The bidder shall specify the IP rating of the equipment, ensuring adequate protection against solid objects and incidental contact.					
4	Bidder shall specify the country of origin for the quoted model					
5	The power cord should comply with IS 1293:2019 (Indian Standard for 3-pin plugs and sockets) and bear the ISI mark, ensuring conformity with Indian safety and performance standards. It should be made of PVC (Polyvinyl Chloride) for durability and flame retardancy, with a temperature rating of 5°C to +70°C. The cord should be flexible for use in various orientations and environments without risk of breakage and typically range from 1.5 meters to 3 meters, with longer cords available as per requirement.					

SN	TYPE 4 ICU PORTABLE	Specification available	Compliance (Yes/No)	The reasons/explanations/context for deviations, if any.	Additional remarks from the OEM. You can use this opportunity to highlight technical features and qualify the response of previous columns.	Datasheet & technical offer Page reference number.
1	The system shall be a fully digital, state-of-the-art Colour Doppler ultrasound system, lightweight, weighing less than 8 kg including the battery pack.					
2	The system shall support imaging modes including 2D, M-Mode, Colour Flow, PW Doppler, and CW Doppler.					
3	The system shall support transducer frequencies up to 18 MHz or higher.					
4	The system shall have an inbuilt battery backup of at least 40 min or more.					
5	The system shall support an image scanning depth of 30 cm or more.					

6	The system shall provide a minimum of three or more active probe connectors with OEM cart.					
7	The system shall have a minimum of 2.5 lakh (250,000) digitally processed channels or more for superior image quality and faster processing.					
8	The system shall provide one-touch image optimization in 2D mode, including automatic adjustment of TGC and receiver gain for uniform brightness and contrast.					
9	The system shall provide one-button automatic adjustment of Doppler PRF based on detected velocity.					
9.1	The system shall provide one-button automatic adjustment of baseline based on detected flow direction.					
9.2	The system shall provide one-button automatic gain optimization of spectral waveform.					
10	The system shall have an integrated front handle for easy portability without requiring an external case or trolley.					
11	The system shall have a flat-panel, high-resolution monitor of at least 15 inches or more.					
12	The system shall include an artifact and speckle reduction algorithm for improved image clarity.					
13	The system shall have Anatomical M-Mode capability with automatic high frame rate enhancement.					
14	The system shall have a 2D frame rate in excess of 1000 frames per second (fps).					
15	The system shall have high frame rate tissue Doppler imaging capability.					
16	The bidder shall specify whether the system shall support raw data imaging allowing post-processing in 2D, PW, CW, Colour, and Physio controls.					
17	The system shall allow post-processing of stored images including gain (overall, TGC), compress, grey map, and display zoom/pan.					
17.1	The system shall allow PW/CW Doppler post-processing controls including gain, baseline, invert, angle correct, sweep speed, and PW trace.					
18	The system shall allow colour image post-processing controls					

	including gain, baseline, colour map, invert, variance, and other parameters.					
19	The system shall have a live compare mode that allows recall and side-by-side comparison of current and previous exam images.					
20	The system shall support Stress Echocardiography.					
21	The system shall support Transcranial Doppler (TCD) applications.					
22	The system shall have a full-time input dynamic range of at least 250 dB.					
23	The system shall include a hard drive capacity of at least 500 GB or more.					
24	The system shall have B-Flow based on non-Doppler technology to get the actual hemodynamic flow. (Optional)					
25	The system shall support imaging modes including Colour Doppler, Power Doppler, Pulsed Wave Doppler (PW), Continuous Wave Doppler (CW), Split B/Colour Mode, B Mode, Dual B Mode, B/M Mode, M Mode, Triplex Mode, Tissue Harmonic Imaging, Panoramic Imaging, and Trapezoidal Imaging.					
26	The system shall support operative modes including B-Mode (2D), Colourized 2D, M-Mode and PW/CW, Colour Flow Mapping (CFM), Power Doppler, and Directional Power Doppler.					
27	The system shall have specialty features such as high-quality probes, fast operation, single-click automation, Auto Doppler Measurement (ADM) mode, Auto IMT, Anatomical Mode + CMM, and Auto 2D LV Measurements.					
28	The system shall be supplied/compatible with the following probes.					
28.1	The system shall be compatible with a high-frequency hockey-stick linear probe within a frequency range of anywhere between 3–22 MHz suitably optimized to ensure optimal image quality for small parts, surgery					
28.2	The system shall be supplied with a curved array with frequency range of 1–7 MHz suitably optimized to ensure optimal image quality for Abdomen, ascites, AKI evaluation					

28.3	The system shall be supplied with a linear probe with a broadband frequency range of 4–12 MHz suitably optimized to ensure optimal image quality for Lung ultrasound, DVT, vascular access					
28.4	The system shall be compatible with micro convex probe with frequency 4-10 MHz suitably optimized to ensure optimal image quality for Difficult intercostal windows.					
29	Certifications					
29.1	The system should be FDA/ CE and CDSCO					
29.2	The equipment must comply with IEC 60601-1 (electrical safety) and IEC 60601-1-2 (EMC compliance)					
29.3	The bidder shall specify the IP rating of the equipment, ensuring adequate protection against solid objects and incidental contact.					

SN	TYPE 5 Portable USG	Specification available	Compliance (Yes/No)	The reasons/explanations/context for deviations, if any.	Additional remarks from the OEM. You can use this opportunity to highlight technical features and qualify the response of previous columns.	Datasheet & technical offer Page reference number.
1	The system shall be a fully digital, state-of-the-art Colour Doppler ultrasound system, lightweight, weighing less than 7 kg including the battery pack.					
2	The system shall support imaging modes including 2D, M-Mode, Colour Flow, PW Doppler, and CW Doppler.					
3	The system shall support transducer frequencies up to 22 MHz or higher.					
4	The system shall have an inbuilt battery backup of at least 120 min or more					
5	The system shall support an image scanning depth of 35 cm or more.					
6	The system shall provide a minimum of three or more active probe connectors.					
7	Please specify the number of digitally processed channels for superior image quality and faster processing.					
8	The system shall provide one-touch image optimization in 2D mode, including automatic adjustment of					

	TGC and receiver gain for uniform brightness and contrast.					
9	The system shall provide one-button automatic adjustment of Doppler PRF based on detected velocity, baseline based on detected flow direction, and gain optimization of spectral waveform.					
10	The system shall have an integrated front handle for easy portability without requiring an external case or trolley.					
11	The system shall have a flat-panel, high-resolution monitor of at least 15 inches or more.					
12	The system shall include an artifact and speckle reduction algorithm for improved image clarity.					
13	The system shall have Anatomical M-Mode capability with automatic high frame rate enhancement.					
14	The system shall have a 2D frame rate in excess of 600 frames per second (fps) or more.					
15	The system shall have high frame rate tissue Doppler imaging capability.					
16	The bidder shall specify whether the system support raw data imaging, allowing post-processing in 2D, PW, CW, Colour, and Physio controls.					
17	The system shall allow post-processing of stored images including gain (overall, TGC), compress, gray map, display zoom/pan, and PW/CW Doppler controls (gain, baseline, invert, angle correct, sweep speed, PW trace).					
18	The system shall allow colour image post-processing controls including gain, baseline, colour map, invert, variance, and other parameters.					
19	The system shall have a live compare mode that allows recall and side-by-side comparison of current and previous exam images.					
20	The system shall support transfer of 2D datasets through DICOM. Confirmation of this capability shall be provided in the technical bid.					
21	The system shall include a one-click Real time-EF without ECG and VTI (Velocity Time Interval) feature to automatically detect and track LV endocardial borders to calculate LV diastolic and systolic volumes and					

	ejection fraction (EF).					
22	The system shall have one-touch auto detection of nerves for difficult patients and one touch b-lines for lung exams.					
23	The system shall have single-touch real time EF measurement capability.					
24	The system shall support Transcranial Doppler (TCD) applications.					
25	The system shall have a full-time dynamic range of at least 250 dB.					
26	The system shall include a hard drive capacity of at least 128 GB internal or more and 1TB external.					
27	The system shall support imaging modes including Colour Doppler, Power Doppler, Pulsed Wave Doppler (PW), Continuous Wave Doppler (CW), Split B/Colour Mode, B Mode, Dual B Mode, B/M Mode, M Mode, Triplex Mode, Tissue Harmonic Imaging, Panoramic Imaging, and Trapezoidal Imaging.					
28	The system shall support operative modes including B-Mode (2D), Colourized 2D, M-Mode and PW/CW, Colour Flow Mapping (CFM), Power Doppler, and Directional Power Doppler.					
29	The system shall have specialty features such as high-quality probes, fast operation, single-click automation, Auto Doppler Measurement (ADM) mode, IMT and Anatomical Mode.					
30	The system shall be supplied with the following probes:					
30.1	The system shall include a curved array with frequency range of 1-7 MHz \pm 1 MHz					
30.2	The system shall include a linear probe with a broadband frequency range of 4–12 MHz \pm 1 MHz					

SN	TYPE 6 Hand Held USG– Technical Specification	Specification available	Compliance (Yes/No)	The reasons/explanations/context for deviations, if any.	Additional remarks from the OEM. You can use this opportunity to highlight technical features and qualify the response of previous columns.	Datasheet & technical offer Page reference number.
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1	The system shall be a portable/mobile/handheld point-of-care device.					
2	The system shall be pocket-sized and shall be either wireless or wired.					
3	The system shall be capable of easy pairing and connection with external devices and shall be compatible with both iOS and Android operating systems.					
4	The total weight shall be less than 300 grams and the system shall be battery operated.					
5	The system shall provide a minimum battery backup of 45 minutes to support mobile operations within hospital premises.					
6	The system shall be capable of real-time anatomical display in B-mode (black and white) and Colour Doppler mode for visualization of real-time blood flow.					
7	The probe shall have control buttons for essential functions such as Freeze and Store.					
8	The system shall provide auto-optimization in 2D mode and shall have selectable focal zone markers.					
9	The system shall allow wireless display of images on a larger external screen up to 20 cm and shall support both portrait and landscape orientations.					
10	The system shall permit adjustment of gain and depth in 2D and colour modes from the externally connected device.					
11	The system shall have selectable TGC (Time Gain Compensation) controls with a minimum of six depth-dependent gain controls.					
12	The system shall be capable of multifunctional clinical applications including, but not limited to, abdominal, vascular and peripheral vascular, musculoskeletal (conventional and superficial), small organs and ophthalmic, paediatrics and neonatal cephalic, procedural guidance (free-hand needle/catheter placement, fluid drainage, nerve block, vascular access and biopsy), foetal/obstetrics and gynaecological, urology, thoracic/lung, cardiac and interventional guidance.					
13	The field of view shall be minimum 60 degrees with a maximum imaging depth of 24 cm.					

14	The image and video data shall be stored in generic formats (JPG for still images and MP4 for cine loops) in separate folders to enable easy transfer and compatibility with other devices or applications.					
15	The system shall support mandatory free application/software updates through the iOS App Store or Google Play Store as and when available.					
16	The system shall be robust and durable, shall be resistant to impact, shall withstand a drop from a height of one meter and shall have a minimum ingress protection rating of IP67 (water and dust resistant).					
17	Phased Array Transducer Probe: The frequency range shall be within 2–4 MHz and the maximum imaging depth shall be 24 cm or more.					
18	Curved Array Transducer Probe: The frequency range shall be within 2–5 MHz, the maximum imaging depth shall be 24 cm or more and the number of elements shall be 128.					
19	Linear Array Transducer Probe: The frequency range shall be within 3–12 MHz and the maximum imaging depth shall be 8 cm or more.					

Note: Where datasheet references are not available for any quoted parameter, the bidder shall submit appropriate supporting documents, including product brochures, user manuals, service manuals, technical offers, or a formal declaration confirming that all stated features and functionalities will be demonstrable during Installation, Testing, and Handover (ITC) of the system. All submitted documents shall be clearly identified, cross-referenced, and traceable, with explicit mention of document name, page number, and clause/reference for verification.

The supplier shall demonstrate full compliance with all technical specifications, performance parameters, features, and capabilities stated, quoted, claimed, or implied in the bid—whether in compliance statements, technical documents, brochures, datasheets, or any other submitted material—during ITC. Any failure or partial inability to demonstrate any quoted specification shall be treated as technical non-compliance, and the equipment may be rejected and removed from the site.

ANNEXURE:1 ADDITIONAL REQUIREMENTS FOR ALL EQUIPMENT	
1	The procurement and supply of equipment shall be executed in a phased manner, subject to the requirements and priorities as determined by the Client. The sequence, timelines, and quantum of each procurement phase will be communicated in writing by the Client during the awarding of order. The Vendor shall comply with such directives and ensure timely readiness to supply, install, and commission equipment as per the approved phased plan.
2	The vendor should supply middleware for integrating medical equipment with the hospital EMR for interoperability.
3	The vendor shall list the availability of AI features to enhance workflow for all medical equipment as applicable.
4	The bidder shall provide a Rate Contract for 3 years from the date of supply / installation / commissioning, covering system specific consumables and accessories
5	A complete itemized list of all consumables and accessories, including model/reference numbers and unit of measurement, shall be submitted in the Technical Offer (without prices)

6	The corresponding unit prices for the same items shall be submitted only in the Commercial Offer.
7	The vendor should specify the country of origin for the quoted model.
8	The successful bidder shall submit detailed architectural layouts along with complete MEP (Mechanical, Electrical, and Plumbing) drawings, fully aligned with the Client's site conditions and approved drawings. All drawings and related documents shall be submitted in both editable AutoCAD and PDF formats for review and approval.

ANNEXURE:2 SCOPE OF SUPPLY TECHNICAL

TYPE 1-RADIOLOGY								
	EQUIPMENT NAME	ULTRASOUND						
	VENDOR NAME							
	MAKE							
	MODEL NAME							
SNO	GROUP	ITEM NAME	QUANTIT Y	VENDOR CATALOGUE NUMBER	STANDARD	REMARKS (VENDOR ARE REQUESTED TO MAP THEIR ITEMS IN THEIR PROFORMA INVOICE WITH ENCLOSED LINE ITEMS)	QUOTE REFERENCE:SN)	QUOTE PAGE REFERENCE IF APPLICABLE)
1	HARDWARE	RADIOLOGY ULTRASOUND SYSTEM – COLOUR DOPPLER WITH SHEAR WAVE ELASTOGRAPHY	1		STANDARD			
2	HARDWARE	CONVEX ARRAY (ABDOMINAL) – 1–7 MHZ; ABDOMEN, LIVER, OB, GYN WITH ALL APPLICATION LICENSE FOR LIFETIME	1		STANDARD			
3	HARDWARE	LINEAR ARRAY 2-14 MHZ; VASCULAR, MSK, THYROID, BREAST WITH ALL APPLICATION LICENSE FOR LIFETIME	1		STANDARD			
4	HARDWARE	PHASED ARRAY (CARDIAC) – 1–5 MHZ; ADULT RADIOLOGY WITH ALL APPLICATION LICENSE FOR LIFETIME	1		STANDARD			
5	HARDWARE	ENDOCAVITARY (TV/TR) – 2–11 MHZ; TRANSVAGINAL / TRANSRECTAL WITH ALL APPLICATION LICENSE FOR LIFETIME	1		STANDARD			
6	HARDWARE	MICRO-CONVEX – 3–10 MHZ; PEDIATRIC, INTERCOSTAL WITH ALL APPLICATION LICENSE FOR LIFETIME	1		STANDARD			
7	HARDWARE	PEDIATRIC PHASED ARRAY – 2–8 MHZ; PEDIATRIC ECHO WITH ALL APPLICATION LICENSE FOR LIFETIME	1		STANDARD			
8	HARDWARE	HIGH FREQUENCY LINEAR – 3-22 MHZ; MSK, SMALL PARTS WITH ALL APPLICATION LICENSE FOR LIFETIME	1		STANDARD			

9	HARDWARE	HOCKEY STICK – 3–24 MHZ; SUPERFICIAL MSK, SURGERY WITH ALL APPLICATION LICENSE FOR LIFETIME	1		STANDARD			
10	HARDWARE	INTEGRATED CART/TROLLEY-OEM	1		STANDARD			
11	HARDWARE	MULTI-BEAM / PARALLEL PROCESSING	1		STANDARD			
12	HARDWARE	GEL WARMER	1		STANDARD			
13	SOFTWARE	IMAGE MANAGEMENT SOFTWARE WITH PROFESSIONAL REPORTING AND STRUCTURED EXAM DOCUMENTATION	1		STANDARD			
14	SOFTWARE	ADVANCED IMAGE REVIEW TOOLS INCLUDING CINE REVIEW, MEASUREMENT EDITING, AND ANNOTATION	1		STANDARD			
15	SOFTWARE	VOLUME ULTRASOUND POST-PROCESSING TOOLS (MPR, RENDERING, CROPPING, ROTATION)	1		STANDARD			
16	SOFTWARE	PATIENT-BASED ARCHIVE WITH LONGITUDINAL EXAM COMPARISON	1		STANDARD			
17	SOFTWARE	SIDE-BY-SIDE AND QUAD-VIEW COMPARISON DURING LIVE AND ARCHIVED REVIEW	1		STANDARD			
18	SOFTWARE	AUTOMATED LESION / CYST MEASUREMENT (MANUAL OVERRIDE AVAILABLE)	1		STANDARD			
19	SOFTWARE	AI-ASSISTED DOPPLER AUTOMATION (AUTO COLOUR BOX PLACEMENT BASED ON VESSEL DETECTION)	1		STANDARD			
20	SOFTWARE	AI-BASED ORGAN RECOGNITION WITH AUTOMATIC PRESET SELECTION	1		STANDARD			
21	SOFTWARE	COMPREHENSIVE CALCULATION PACKAGES FOR OB/GYN, ABDOMINAL AND VASCULAR APPLICATIONS	1		STANDARD			
22	SOFTWARE	CEUS ANALYSIS PACKAGE INCLUDING TIME INTENSITY CURVE (TIC) GENERATION	1		STANDARD			
23	SOFTWARE	SHEAR WAVE ELASTOGRAPHY ANALYSIS PACKAGE:	1		STANDARD			
24	SOFTWARE	LIVER STEATOSIS QUANTIFICATION SOFTWARE (ADULT POPULATION)	1		STANDARD			
25	SOFTWARE	MICROVASCULAR FLOW VISUALIZATION SOFTWARE (NON-DOPPLER BASED)	1		STANDARD			
26	SOFTWARE	DICOM APPLICATION SOFTWARE (STORE, PRINT, WORKLIST, QUERY/RETRIEVE, MPPS)	1		STANDARD			
27	SOFTWARE	POST-PROCESSING SOFTWARE FOR ADJUSTMENT OF GAIN, DR, GRAY MAP, DOPPLER PARAMETERS ON STORED DATA	1		STANDARD			
28	SOFTWARE	NEEDLE ENHANCEMENT	1		STANDARD			
29	SOFTWARE	AUTO LESION BOUNDARY TRACING	1		STANDARD			

30	SOFTWARE	HIGH DEFINATION ZOOM & HD ZOOM	1		STANDARD			
31	SOFTWARE	IMAGE ANALYSIS AND MEASUREMENT SOFTWARE	1		STANDARD			
32	SOFTWARE	CARDIOVASCULAR IMAGING SOFTWARE	1		STANDARD			
33	SOFTWARE	OB/GYN SOFTWARE	1		STANDARD			
34	SOFTWARE	BREAST IMAGING SOFTWARE	1		STANDARD			
35	SOFTWARE	MUSCULOSKELETAL (MSK) SOFTWARE	1		STANDARD			
36	SOFTWARE	UROLOGY AND RENAL IMAGING SOFTWARE	1		STANDARD			
37	SOFTWARE	BIOPSY GUIDANCE SOFTWARE	1		STANDARD			
38	SOFTWARE	ADVANCED VISUALIZATION AND POST-PROCESSING SOFTWARE	1		STANDARD			
39	SOFTWARE	AI AND MACHINE LEARNING-ENHANCED SOFTWARE	1		STANDARD			
40	SOFTWARE	TISSUE HARMONIC IMAGING (THI)	1		STANDARD			
41	SOFTWARE	SPECKLE REDUCTION IMAGING	1		STANDARD			
42	SOFTWARE	AUTO IMAGE OPTIMIZATION	1		STANDARD			
43	SOFTWARE	COMPOUND IMAGING	1		STANDARD			
44	SOFTWARE	COLOUR DOPPLER, POWER DOPPLER & DIRECTIONAL POWER DOPPLER	1		STANDARD			
45	SOFTWARE	SPECTRAL DOPPLER	1		STANDARD			
46	SOFTWARE	TRIPLEX MODE	1		STANDARD			
47	SOFTWARE	ELASTOGRAPHY / STRAIN ELASTOGRAPHY	1		STANDARD			
48	SOFTWARE	SHEAR WAVE ELASTOGRAPHY	1		STANDARD			
49	SOFTWARE	CONTRAST ENHANCED ULTRASOUND (CEUS)	1		STANDARD			
50	SOFTWARE	AUTO IMT	1		STANDARD			
51	SOFTWARE	PANORAMIC IMAGING	1		STANDARD			
52	SOFTWARE	CODED EXCITATION	1		STANDARD			
53	SOFTWARE	REPORTING SOFTWARE PACKAGE (IN-BUILT)	1		STANDARD			
54	SOFTWARE	SPATIO-TEMPORAL IMAGE CORRELATION	1		STANDARD			
55	SOFTWARE	MULTIPARAMETRIC LIVER ANALYSIS SOFTWARE – HEPATO-RENAL INDEX	1		STANDARD			
56	SOFTWARE	MULTIPARAMETRIC LIVER ANALYSIS SOFTWARE – TISSUE ATTENUATION IMAGING	1		STANDARD			
57	SOFTWARE	ONE-PAGE MULTIPARAMETRIC LIVER REPORT GENERATION	1		STANDARD			

58	SOFTWARE	ADVANCED SHEAR WAVE ELASTOGRAPHY WITH AUTOMATIC FRAME SELECTION AND ROI PLACEMENT	1		STANDARD			
59	SOFTWARE	STIC (SPATIO-TEMPORAL IMAGE CORRELATION) SOFTWARE FOR FETAL CARDIAC EVALUATION	1		STANDARD			
60	SOFTWARE	ADVANCED FETAL CARDIAC QUANTIFICATION PACKAGES	1		STANDARD			
61	SOFTWARE	FUSION IMAGING AND VOLUME NAVIGATION SOFTWARE WITH AUTO-REGISTRATION	1		STANDARD			
62	SOFTWARE	3D-LIKE HEMODYNAMIC COLOUR DOPPLER VISUALIZATION SOFTWARE	1		STANDARD			
63	SOFTWARE	ADVANCED CEUS ANALYSIS WITH MOTION COMPENSATION	1		STANDARD			
64	SOFTWARE	CEUS FEEDER VESSEL IDENTIFICATION USING TIME-OF-ARRIVAL ANALYSIS	1		STANDARD			
65	SOFTWARE	REMOTE SERVICE SOLUTIONS	1		STANDARD			
66	SOFTWARE	LICENSE FOR APPLICATION SOFTWARE OVER LIFETIME OF EQUIPMENT TO BE GIVEN	1		STANDARD			
67	SOFTWARE	LICENSE FOR OS OVER LIFETIME OF EQUIPMENT TO BE GIVEN	1		STANDARD			
68	SOFTWARE	LICENSE FOR ANTIVIRUS OVER LIFETIME OF EQUIPMENT TO BE GIVEN	1		STANDARD			
69	ACCESSORY	PROBE HOLDERS	1		STANDARD			
70	ACCESSORY	PROBE CABLE HOOKS	1		STANDARD			
71	ACCESSORY	KEYBOARD COVER	1		STANDARD			
72	ACCESSORY	POWER CABLE (INDIAN STANDARD)	1		STANDARD			
73	ACCESSORY	BIOPSY GUIDE-CONVEX PROBE	1		STANDARD			
74	HARDWARE OEM	EM FILTER	1		STANDARD			
75	HARDWARE OEM	LASER PRINTER-COLOUR	1		STANDARD			
76	HARDWARE OEM	THERMAL PRINTER	1		STANDARD			
77	HARDWARE OEM	UPS - AS REQUIRED	1		STANDARD			
78	CONSUMABLE	ULTRASOUND GEL	5 BOTTLES		STANDARD			
79	CONSUMABLE	PROBE COVERS	2 PACK		STANDARD			
80	ANY OTHER PART TO MAKE SYSTEM		As required		STANDARD			

	COMPLETE & WORKING							
81	ANY ITEM, ACCESSORY, CONSUMABLE, CABLE, CONNECTOR, SOFTWARE, OR COMPONENT THAT IS PART OF THE SYSTEM AS PER TENDER REQUIREMENTS BUT NOT EXPLICITLY MENTIONED OR ITEMIZED IN THE BOQ SHALL BE DEEMED INCLUDED IN THE SCOPE OF SUPPLY AND MUST BE PROVIDED BY THE VENDOR WITHOUT ADDITIONAL COST. THE VENDOR MAY LIST SUCH ITEMS UNDER "STANDARD INCLUSIONS (NOT SEPARATELY CHARGED)" FOR DOCUMENTATION PURPOSES.		As required		STANDARD			
SNO	OPTIONAL GROUP	OPTIONAL ITEM NAME	QUANTITY	VENDOR CATALOGUE NUMBER	STANDARD/OPTIONAL	REMARKS (VENDOR ARE REQUESTED TO MAP THEIR ITEMS IN THEIR PROFORMA INVOICE WITH ENCLOSED LINE ITEMS)	QUOTE REFERENCE:SN)	QUOTE PAGE REFERENCE IF APPLICABLE)
1	HARDWARE	BIOPSY COMPATIBLE PROBES – (CONVEX, TV, LINEAR AS APPLICABLE); INTERVENTIONAL PROCEDURES			OPTIONAL			

2	OTHERS CAN BE ADDED BELOW							
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TYPE 2-RADIOLOGY								
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	EQUIPMENT NAME	ULTRASOUND						
	VENDOR NAME							
	MAKE							
	MODEL NAME							
SNO	GROUP	ITEM NAME	QUANTIT Y	VENDOR CATALOGUE NUMBER	STANDARD	REMARKS (VENDOR ARE REQUESTED TO MAP THEIR ITEMS IN THEIR PROFORMA INVOICE WITH ENCLOSED LINE ITEMS)	QUOTE REFERENCE:SN)	QUOTE PAGE REFERENCE IF APPLICABLE)
1	HARDWARE	RADIOLOGY ULTRASOUND SYSTEM – COLOUR DOPPLER WITH SHEAR WAVE ELASTOGRAPHY	1		STANDARD			
2	HARDWARE	CONVEX ARRAY (ABDOMINAL) – 1–7 MHZ; ABDOMEN, LIVER, OB, GYN WITH ALL APPLICATION LICENSE FOR LIFETIME	1		STANDARD			
3	HARDWARE	LINEAR ARRAY 2-14 MHZ; VASCULAR, MSK, THYROID, BREAST WITH ALL APPLICATION LICENSE FOR LIFETIME	1		STANDARD			
4	HARDWARE	PHASED ARRAY (CARDIAC) – 1–5 MHZ; ADULT RADIOLOGY WITH ALL APPLICATION LICENSE FOR LIFETIME	1		STANDARD			
5	HARDWARE	ENDOCAVITARY (TV/TR) – 2–11 MHZ; TRANSVAGINAL / TRANSRECTAL WITH ALL APPLICATION LICENSE FOR LIFETIME	1		STANDARD			
6	HARDWARE	MICRO-CONVEX – 3–10 MHZ; PEDIATRIC, INTERCOSTAL WITH ALL APPLICATION LICENSE FOR LIFETIME	1		STANDARD			
7	HARDWARE	PEDIATRIC PHASED ARRAY – 2–8 MHZ; PEDIATRIC ECHO WITH ALL APPLICATION LICENSE FOR LIFETIME	1		STANDARD			
8	HARDWARE	HIGH FREQUENCY LINEAR – 3-22 MHZ; MSK, SMALL PARTS WITH ALL APPLICATION LICENSE FOR LIFETIME	1		STANDARD			
9	HARDWARE	HOCKEY STICK – 3–24 MHZ; SUPERFICIAL MSK, SURGERY WITH ALL APPLICATION LICENSE FOR LIFETIME	1		STANDARD			
10	HARDWARE	INTEGRATED CART/TROLLEY-OEM	1		STANDARD			

11	HARDWARE	MULTI-BEAM / PARALLEL PROCESSING	1		STANDARD			
12	HARDWARE	GEL WARMER	1		STANDARD			
13	SOFTWARE	IMAGE MANAGEMENT SOFTWARE WITH PROFESSIONAL REPORTING AND STRUCTURED EXAM DOCUMENTATION	1		STANDARD			
14	SOFTWARE	ADVANCED IMAGE REVIEW TOOLS INCLUDING CINE REVIEW, MEASUREMENT EDITING, AND ANNOTATION	1		STANDARD			
15	SOFTWARE	VOLUME ULTRASOUND POST-PROCESSING TOOLS (MPR, RENDERING, CROPPING, ROTATION)	1		STANDARD			
16	SOFTWARE	PATIENT-BASED ARCHIVE WITH LONGITUDINAL EXAM COMPARISON	1		STANDARD			
17	SOFTWARE	SIDE-BY-SIDE AND QUAD-VIEW COMPARISON DURING LIVE AND ARCHIVED REVIEW	1		STANDARD			
18	SOFTWARE	AUTOMATED LESION / CYST MEASUREMENT (MANUAL OVERRIDE AVAILABLE)	1		STANDARD			
19	SOFTWARE	AI-ASSISTED DOPPLER AUTOMATION (AUTO COLOUR BOX PLACEMENT BASED ON VESSEL DETECTION)	1		STANDARD			
20	SOFTWARE	AI-BASED ORGAN RECOGNITION WITH AUTOMATIC PRESET SELECTION	1		STANDARD			
21	SOFTWARE	COMPREHENSIVE CALCULATION PACKAGES FOR OB/GYN, ABDOMINAL AND VASCULAR APPLICATIONS	1		STANDARD			
22	SOFTWARE	CEUS ANALYSIS PACKAGE INCLUDING TIME INTENSITY CURVE (TIC) GENERATION	1		STANDARD			
23	SOFTWARE	SHEAR WAVE ELASTOGRAPHY ANALYSIS PACKAGE:	1		STANDARD			
24	SOFTWARE	LIVER STEATOSIS QUANTIFICATION SOFTWARE (ADULT POPULATION)	1		STANDARD			
25	SOFTWARE	MICROVASCULAR FLOW VISUALIZATION SOFTWARE (NON-DOPPLER BASED)	1		STANDARD			
26	SOFTWARE	DICOM APPLICATION SOFTWARE (STORE, PRINT, WORKLIST, QUERY/RETRIEVE, MPPS)	1		STANDARD			
27	SOFTWARE	POST-PROCESSING SOFTWARE FOR ADJUSTMENT OF GAIN, DR, GRAY MAP, DOPPLER PARAMETERS ON STORED DATA	1		STANDARD			
28	SOFTWARE	NEEDLE ENHANCEMENT	1		STANDARD			
29	SOFTWARE	AUTO LESION BOUNDARY TRACING	1		STANDARD			
30	SOFTWARE	HIGH DEFINATION ZOOM & HD ZOOM	1		STANDARD			
31	SOFTWARE	IMAGE ANALYSIS AND MEASUREMENT SOFTWARE	1		STANDARD			
32	SOFTWARE	CARDIOVASCULAR IMAGING SOFTWARE	1		STANDARD			

33	SOFTWARE	OB/GYN SOFTWARE	1		STANDARD			
34	SOFTWARE	BREAST IMAGING SOFTWARE	1		STANDARD			
35	SOFTWARE	MUSCULOSKELETAL (MSK) SOFTWARE	1		STANDARD			
36	SOFTWARE	UROLOGY AND RENAL IMAGING SOFTWARE	1		STANDARD			
37	SOFTWARE	BIOPSY GUIDANCE SOFTWARE	1		STANDARD			
38	SOFTWARE	ADVANCED VISUALIZATION AND POST-PROCESSING SOFTWARE	1		STANDARD			
39	SOFTWARE	AI AND MACHINE LEARNING-ENHANCED SOFTWARE	1		STANDARD			
40	SOFTWARE	TISSUE HARMONIC IMAGING (THI)	1		STANDARD			
41	SOFTWARE	SPECKLE REDUCTION IMAGING	1		STANDARD			
42	SOFTWARE	AUTO IMAGE OPTIMIZATION	1		STANDARD			
43	SOFTWARE	COMPOUND IMAGING	1		STANDARD			
44	SOFTWARE	COLOUR DOPPLER, POWER DOPPLER & DIRECTIONAL POWER DOPPLER	1		STANDARD			
45	SOFTWARE	SPECTRAL DOPPLER	1		STANDARD			
46	SOFTWARE	TRIPLEX MODE	1		STANDARD			
47	SOFTWARE	ELASTOGRAPHY / STRAIN ELASTOGRAPHY	1		STANDARD			
48	SOFTWARE	SHEAR WAVE ELASTOGRAPHY	1		STANDARD			
49	SOFTWARE	CONTRAST ENHANCED ULTRASOUND (CEUS)	1		STANDARD			
50	SOFTWARE	AUTO IMT	1		STANDARD			
51	SOFTWARE	PANORAMIC IMAGING	1		STANDARD			
52	SOFTWARE	CODED EXCITATION	1		STANDARD			
53	SOFTWARE	REPORTING SOFTWARE PACKAGE (IN-BUILT)	1		STANDARD			
54	SOFTWARE	SPATIO-TEMPORAL IMAGE CORRELATION	1		STANDARD			
55	SOFTWARE	MULTIPARAMETRIC LIVER ANALYSIS SOFTWARE – HEPATO-RENAL INDEX	1		STANDARD			
56	SOFTWARE	MULTIPARAMETRIC LIVER ANALYSIS SOFTWARE – TISSUE ATTENUATION IMAGING	1		STANDARD			
57	SOFTWARE	ONE-PAGE MULTIPARAMETRIC LIVER REPORT GENERATION	1		STANDARD			
58	SOFTWARE	ADVANCED SHEAR WAVE ELASTOGRAPHY WITH AUTOMATIC FRAME SELECTION AND ROI PLACEMENT	1		STANDARD			
59	SOFTWARE	STIC (SPATIO-TEMPORAL IMAGE CORRELATION) SOFTWARE FOR FETAL CARDIAC EVALUATION	1		STANDARD			

60	SOFTWARE	ADVANCED FETAL CARDIAC QUANTIFICATION PACKAGES	1		STANDARD			
61	SOFTWARE	FUSION IMAGING AND VOLUME NAVIGATION SOFTWARE WITH AUTO-REGISTRATION	1		STANDARD			
62	SOFTWARE	3D-LIKE HEMODYNAMIC COLOUR DOPPLER VISUALIZATION SOFTWARE	1		STANDARD			
63	SOFTWARE	ADVANCED CEUS ANALYSIS WITH MOTION COMPENSATION	1		STANDARD			
64	SOFTWARE	CEUS FEEDER VESSEL IDENTIFICATION USING TIME-OF-ARRIVAL ANALYSIS	1		STANDARD			
65	SOFTWARE	REMOTE SERVICE SOLUTIONS	1		STANDARD			
66	SOFTWARE	LICENSE FOR APPLICATION SOFTWARE OVER LIFETIME OF EQUIPMENT TO BE GIVEN	1		STANDARD			
67	SOFTWARE	LICENSE FOR OS OVER LIFETIME OF EQUIPMENT TO BE GIVEN	1		STANDARD			
68	SOFTWARE	LICENSE FOR ANTIVIRUS OVER LIFETIME OF EQUIPMENT TO BE GIVEN	1		STANDARD			
69	ACCESSORY	PROBE HOLDERS	1		STANDARD			
70	ACCESSORY	PROBE CABLE HOOKS	1		STANDARD			
71	ACCESSORY	KEYBOARD COVER	1		STANDARD			
72	ACCESSORY	POWER CABLE (INDIAN STANDARD)	1		STANDARD			
73	ACCESSORY	BIOPSY GUIDE-CONVEX PROBE	1		STANDARD			
74	HARDWARE OEM	EM FILTER	1		STANDARD			
75	HARDWARE OEM	LASER PRINTER-COLOUR	1		STANDARD			
76	HARDWARE OEM	THERMAL PRINTER	1		STANDARD			
77	HARDWARE OEM	UPS - AS REQUIRED	1		STANDARD			
78	CONSUMABLE	ULTRASOUND GEL	5 BOTTLES		STANDARD			
79	CONSUMABLE	PROBE COVERS	2 PACK		STANDARD			
80	ANY OTHER PART TO MAKE SYSTEM COMPLETE & WORKING		As required		STANDARD			
81	ANY ITEM, ACCESSORY, CONSUMABLE, CABLE, CONNECTOR, SOFTWARE, OR		As required		STANDARD			

	COMPONENT THAT IS PART OF THE SYSTEM AS PER TENDER REQUIREMENTS BUT NOT EXPLICITLY MENTIONED OR ITEMIZED IN THE BOQ SHALL BE DEEMED INCLUDED IN THE SCOPE OF SUPPLY AND MUST BE PROVIDED BY THE VENDOR WITHOUT ADDITIONAL COST. THE VENDOR MAY LIST SUCH ITEMS UNDER "STANDARD INCLUSIONS (NOT SEPARATELY CHARGED)" FOR DOCUMENTATION PURPOSES.							
SNO	OPTIONAL GROUP	OPTIONAL ITEM NAME	QUANTITY	VENDOR CATALOGUE NUMBER	STANDARD/OPTIONAL	REMARKS (VENDOR ARE REQUESTED TO MAP THEIR ITEMS IN THEIR PROFORMA INVOICE WITH ENCLOSED LINE ITEMS)	QUOTE REFERENCE:SN)	QUOTE PAGE REFERENCE IF APPLICABLE)
1	HARDWARE	BIOPSY COMPATIBLE PROBES – (CONVEX, TV, LINEAR AS APPLICABLE); INTERVENTIONAL PROCEDURES			OPTIONAL			
2	OTHERS CAN BE ADDED BELOW							

TYPE 3 Urology

TYPE 3 Urology								
	EQUIPMENT NAME	USG MACHINE Urology						
	VENDOR NAME							
	MAKE							
	MODEL NAME							
SNO	GROUP	ITEM NAME	QUANTIT Y	VENDOR CATALOGUE NUMBER	STANDARD/O PTIONAL	REMARKS (VENDOR ARE REQUESTED TO MAP THEIR ITEMS IN THEIR PROFORMA INVOICE WITH ENCLOSED LINE ITEMS)	QUOTE REFERENCE:SN)	QUOTE PAGE REFERENCE IF APPLICABLE)
1	HARDWARE	ULTRASOUND SYSTEM – COLOUR DOPPLER WITH SHEAR WAVE ELASTOGRAPHY WITH OEM CART	1		STANDARD			
2	HARDWARE	SINGLE-CRYSTAL CONVEX TRANSDUCER WITHIN A FREQUENCY RANGE OF 1–7 MHZ- WITH ALL APPLICATION LICENSE FOR LIFETIME.	1		STANDARD			
3	HARDWARE	BROADBAND LINEAR TRANSDUCER WITHIN A FREQUENCY RANGE OF 3–15 MHZ, SUITABLY OPTIMIZED FOR ABDOMINAL, VASCULAR, AND SMALL PARTS IMAGING AND SUPPORTING SHEAR WAVE ELASTOGRAPHY. -WITH ALL APPLICATION LICENSE FOR LIFETIME.	1		STANDARD			
4	HARDWARE	BROADBAND TRANSVAGINAL/TRANSRECTAL (TV/TR) TRANSDUCER WITHIN A FREQUENCY RANGE OF 2-11 MHZ--WITH ALL APPLICATION LICENSE FOR LIFETIME.	1		STANDARD			
5	HARDWARE	SINGLE-CRYSTAL MICRO-CONVEX TRANSDUCER WITHIN A FREQUENCY RANGE OF 3–10 MHZ -WITH ALL APPLICATION LICENSE FOR LIFETIME.	1		STANDARD			
6	HARDWARE	HIGH-FREQUENCY LINEAR TRANSDUCER WITHIN A FREQUENCY RANGE OF ANYWHERE BETWEEN 3–22-WITH ALL APPLICATION LICENSE FOR LIFETIME	1		STANDARD			
7	HARDWARE	MULTI-BEAM / PARALLEL PROCESSING	1		STANDARD			
8	HARDWARE	GEL WARMER	1		STANDARD			
9	SOFTWARE	IMAGE MANAGEMENT SOFTWARE WITH PROFESSIONAL REPORTING AND STRUCTURED EXAM DOCUMENTATION	1		STANDARD			

10	SOFTWARE	ADVANCED IMAGE REVIEW TOOLS INCLUDING CINE REVIEW, MEASUREMENT EDITING, AND ANNOTATION	1		STANDARD			
11	SOFTWARE	VOLUME ULTRASOUND POST-PROCESSING TOOLS (MPR, RENDERING, CROPPING, ROTATION)	1		STANDARD			
12	SOFTWARE	PATIENT-BASED ARCHIVE WITH LONGITUDINAL EXAM COMPARISON	1		STANDARD			
13	SOFTWARE	SIDE-BY-SIDE AND QUAD-VIEW COMPARISON DURING LIVE AND ARCHIVED REVIEW	1		STANDARD			
14	SOFTWARE	AUTOMATED LESION / CYST MEASUREMENT (MANUAL OVERRIDE AVAILABLE)	1		STANDARD			
15	SOFTWARE	AI-ASSISTED DOPPLER AUTOMATION (AUTO COLOUR BOX PLACEMENT BASED ON VESSEL DETECTION)	1		STANDARD			
16	SOFTWARE	AI-BASED ORGAN RECOGNITION WITH AUTOMATIC PRESET SELECTION	1		STANDARD			
17	SOFTWARE	COMPREHENSIVE CALCULATION PACKAGES FOR OB/GYN, ABDOMINAL AND VASCULAR APPLICATIONS	1		STANDARD			
18	SOFTWARE	CEUS ANALYSIS PACKAGE INCLUDING TIME INTENSITY CURVE (TIC) GENERATION	1		STANDARD			
19	SOFTWARE	SHEAR WAVE ELASTOGRAPHY ANALYSIS PACKAGE:	1		STANDARD			
20	SOFTWARE	LIVER STEATOSIS QUANTIFICATION SOFTWARE (ADULT POPULATION)	1		STANDARD			
21	SOFTWARE	MICROVASCULAR FLOW VISUALIZATION SOFTWARE (NON-DOPPLER BASED)	1		STANDARD			
22	SOFTWARE	DICOM APPLICATION SOFTWARE (STORE, PRINT, WORKLIST, QUERY/RETRIEVE, MPPS)	1		STANDARD			
23	SOFTWARE	POST-PROCESSING SOFTWARE FOR ADJUSTMENT OF GAIN, DR, GRAY MAP, DOPPLER PARAMETERS ON STORED DATA	1		STANDARD			
24	SOFTWARE	NEEDLE ENHANCEMENT	1		STANDARD			
25	SOFTWARE	AUTO LESION BOUNDARY TRACING	1		STANDARD			
26	SOFTWARE	HIGH DEFINATION ZOOM & HD ZOOM	1		STANDARD			
27	SOFTWARE	IMAGE ANALYSIS AND MEASUREMENT SOFTWARE	1		STANDARD			
28	SOFTWARE	CARDIOVASCULAR IMAGING SOFTWARE	1		STANDARD			
29	SOFTWARE	OB/GYN SOFTWARE	1		STANDARD			
30	SOFTWARE	BREAST IMAGING SOFTWARE	1		STANDARD			
31	SOFTWARE	MUSCULOSKELETAL (MSK) SOFTWARE	1		STANDARD			
32	SOFTWARE	UROLOGY AND RENAL IMAGING SOFTWARE	1		STANDARD			

33	SOFTWARE	BIOPSY GUIDANCE SOFTWARE	1		STANDARD			
34	SOFTWARE	ADVANCED VISUALIZATION AND POST-PROCESSING SOFTWARE	1		STANDARD			
35	SOFTWARE	AI AND MACHINE LEARNING-ENHANCED SOFTWARE	1		STANDARD			
36	SOFTWARE	TISSUE HARMONIC IMAGING (THI)	1		STANDARD			
37	SOFTWARE	SPECKLE REDUCTION IMAGING	1		STANDARD			
38	SOFTWARE	AUTO IMAGE OPTIMIZATION	1		STANDARD			
39	SOFTWARE	COMPOUND IMAGING	1		STANDARD			
40	SOFTWARE	COLOUR DOPPLER, POWER DOPPLER & DIRECTIONAL POWER DOPPLER	1		STANDARD			
41	SOFTWARE	SPECTRAL DOPPLER	1		STANDARD			
42	SOFTWARE	TRIPLEX MODE	1		STANDARD			
43	SOFTWARE	ELASTOGRAPHY / STRAIN ELASTOGRAPHY	1		STANDARD			
44	SOFTWARE	SHEAR WAVE ELASTOGRAPHY	1		STANDARD			
45	SOFTWARE	CONTRAST ENHANCED ULTRASOUND (CEUS)	1		STANDARD			
46	SOFTWARE	AUTO IMT	1		STANDARD			
47	SOFTWARE	PANORAMIC IMAGING	1		STANDARD			
48	SOFTWARE	CODED EXCITATION	1		STANDARD			
49	SOFTWARE	REPORTING SOFTWARE PACKAGE (IN-BUILT)	1		STANDARD			
50	SOFTWARE	SPATIO-TEMPORAL IMAGE CORRELATION	1		STANDARD			
51	SOFTWARE	MULTIPARAMETRIC LIVER ANALYSIS SOFTWARE – HEPATO-RENAL INDEX	1		STANDARD			
52	SOFTWARE	MULTIPARAMETRIC LIVER ANALYSIS SOFTWARE – TISSUE ATTENUATION IMAGING	1		STANDARD			
53	SOFTWARE	ONE-PAGE MULTIPARAMETRIC LIVER REPORT GENERATION	1		STANDARD			
54	SOFTWARE	ADVANCED SHEAR WAVE ELASTOGRAPHY WITH AUTOMATIC FRAME SELECTION AND ROI PLACEMENT	1		STANDARD			
55	SOFTWARE	STIC (SPATIO-TEMPORAL IMAGE CORRELATION) SOFTWARE FOR FETAL CARDIAC EVALUATION	1		STANDARD			
56	SOFTWARE	3D-LIKE HEMODYNAMIC COLOUR DOPPLER VISUALIZATION SOFTWARE	1		STANDARD			
57	SOFTWARE	ADVANCED CEUS ANALYSIS WITH MOTION COMPENSATION	1		STANDARD			
58	SOFTWARE	CEUS FEEDER VESSEL IDENTIFICATION USING TIME-OF-ARRIVAL ANALYSIS	1		STANDARD			
59	SOFTWARE	REMOTE SERVICE SOLUTIONS	1		STANDARD			

60	SOFTWARE	LICENSE FOR APPLICATION SOFTWARE OVER LIFETIME OF EQUIPMENT TO BE GIVEN	1		STANDARD			
61	SOFTWARE	LICENSE FOR OS OVER LIFETIME OF EQUIPMENT TO BE GIVEN	1		STANDARD			
62	SOFTWARE	LICENSE FOR ANTIVIRUS OVER LIFETIME OF EQUIPMENT TO BE GIVEN	1		STANDARD			
63	ACCESSORY	PROBE HOLDERS	1		STANDARD			
64	ACCESSORY	PROBE CABLE HOOKS	1		STANDARD			
65	ACCESSORY	KEYBOARD COVER	1		STANDARD			
66	ACCESSORY	POWER CABLE (INDIAN STANDARD)	1		STANDARD			
67	HARDWARE OEM	EM FILTER	1		STANDARD			
68	HARDWARE OEM	LASER PRINTER-COLOUR	1		STANDARD			
69	HARDWARE OEM	THERMAL PRINTER	1		STANDARD			
70	HARDWARE OEM	UPS - AS REQUIRED	1		STANDARD			
71	CONSUMABLE	ULTRASOUND GEL (1L)	5 BOTTLES		STANDARD			
72	CONSUMABLE	PROBE COVERS	1 PACK		STANDARD			
73	ANY OTHER PART TO MAKE SYSTEM COMPLETE & WORKING		As required		STANDARD			
74	ANY ITEM, ACCESSORY, CONSUMABLE, CABLE, CONNECTOR, SOFTWARE, OR COMPONENT THAT IS PART OF THE SYSTEM AS PER TENDER REQUIREMENTS BUT NOT EXPLICITLY MENTIONED OR ITEMIZED IN THE BOQ SHALL BE DEEMED INCLUDED IN		As required		STANDARD			

	THE SCOPE OF SUPPLY AND MUST BE PROVIDED BY THE VENDOR WITHOUT ADDITIONAL COST. THE VENDOR MAY LIST SUCH ITEMS UNDER "STANDARD INCLUSIONS (NOT SEPARATELY CHARGED)" FOR DOCUMENTATION PURPOSES.							
SNO	OPTIONAL GROUP	OPTIONAL ITEM NAME	QUANTITY	VENDOR CATALOGUE NUMBER	STANDARD/OPTIONAL	REMARKS (VENDOR ARE REQUESTED TO MAP THEIR ITEMS IN THEIR PROFORMA INVOICE WITH ENCLOSED LINE ITEMS)	QUOTE REFERENCE:SN)	QUOTE PAGE REFERENCE IF APPLICABLE)
1	HARDWARE	HIGH-FREQUENCY HOCKEY STICK LINEAR TRANSDUCER OPERATING WITHIN A FREQUENCY RANGE OF 7-22 MHZ, SUITABLY OPTIMIZED FOR SUPERFICIAL AND SMALL PARTS IMAGING APPLICATIONS.			OPTIONAL			
2	HARDWARE	HIGH-FREQUENCY CONVEX TRANSDUCER OPERATING WITHIN A FREQUENCY RANGE OF 3-9 MHZ, SUITABLY OPTIMIZED FOR SPECIALIZED SUPERFICIAL AND FOCUSED DIAGNOSTIC IMAGING APPLICATIONS.			OPTIONAL			
3	HARDWARE	HIGH-FREQUENCY LINEAR ARRAY TRANSDUCER OPERATING WITHIN A FREQUENCY RANGE OF 10-15 MHZ, SUITABLY OPTIMIZED FOR DETAILED SCROTAL AND PENILE IMAGING APPLICATIONS.			OPTIONAL			
4	HARDWARE	BI-PLANE TRANSRECTAL TRANSDUCER FOR UROLOGY APPLICATIONS, OPERATING WITHIN A FREQUENCY RANGE OF 2-14 MHZ			OPTIONAL			
5	HARDWARE	BIOPSY COMPATIBLE PROBES - (CONVEX, LINEAR AS APPLICABLE); INTERVENTIONAL PROCEDURES			OPTIONAL			

6	SOFTWARE	FUSION IMAGING AND VOLUME NAVIGATION SOFTWARE WITH AUTO-REGISTRATION			OPTIONAL			
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TYPE 4-ICU PORTABLE

SNO	GROUP	ITEM NAME	QUANTIT Y	VENDOR CATALOGUE NUMBER	STANDARD	REMARKS (VENDOR ARE REQUESTED TO MAP THEIR ITEMS IN THEIR PROFORMA INVOICE WITH ENCLOSED LINE ITEMS)	QUOTE REFERENCE:SN)	QUOTE PAGE REFERENCE IF APPLICABLE)
	EQUIPMENT NAME	PORTABLE ULTRASOUND						
	VENDOR NAME							
	MAKE							
	MODEL NAME							
1	HARDWARE	PORTABLE ULTRASOUND SCANNER WITH MEDICAL GRADE DISPLAY	2		STANDARD			
2	HARDWARE	LINEAR ARRAY TRANSDUCER 4-12 MHZ. WITH ALL APPLICATION SOFTWARE LICENSE FOR LIFETIME	2		STANDARD			
3	HARDWARE	CURVED ARRAY PROBE 1-7 MHZ. WITH ALL APPLICATION SOFTWARE LICENSE FOR LIFETIME	2		STANDARD			
4	HARDWARE	B/W THERMAL PRINTER	2		STANDARD			
5	HARDWARE	DVD / LAN / USB CONNECTIVITY / FULL DICOM	2		STANDARD			
6	HARDWARE	INTEGRATED CART/TROLLEY WITH 3 PROBE CONNECTIVITY-OEM	2		STANDARD			
7	APPLICATION SOFTWARE	CARDIOLOGY SOFTWARE	2		STANDARD			
8	APPLICATION SOFTWARE	IMAGE ANALYSIS AND MEASUREMENT SOFTWARE	2		STANDARD			
9	APPLICATION SOFTWARE	REPORTING SOFTWARE PACKAGE (IN-BUILT)	2		STANDARD			
10	APPLICATION SOFTWARE	ADVANCED VISUALIZATION AND POST-PROCESSING SOFTWARE	2		STANDARD			
11	APPLICATION SOFTWARE	ALL DICOM, WORKLIST & CONNECTIVITY PACKAGE	2		STANDARD			
12	APPLICATION SOFTWARE	DICOM STRUCTURED REPORTING	2		STANDARD			
13	APPLICATION SOFTWARE	LICENSE FOR APPLICATION SOFTWARE OVER LIFETIME OF EQUIPMENT TO BE GIVEN	2		STANDARD			
14	APPLICATION SOFTWARE	LICENSE FOR OS OVER LIFETIME OF EQUIPMENT TO BE GIVEN	2		STANDARD			

15	APPLICATION SOFTWARE	LICENSE FOR ANTIVIRUS OVER LIFETIME OF EQUIPMENT TO BE GIVEN IF APPLICABLE	2		STANDARD			
16	ACCESSORY	BATTERY	2					
17	ACCESSORY	PROBE HOLDERS	2		STANDARD			
18	ACCESSORY	PROBE CABLE HOOKS	2		STANDARD			
19	ACCESSORY	KEYBOARD COVER	2		STANDARD			
20	ACCESSORY	POWER CABLE (INDIAN STANDARD)	2		STANDARD			
21	HARDWARE OEM	THERMAL PRINTER	2		STANDARD			
22	CONSUMABLE	ULTRASOUND GEL	10 BOTTLES		STANDARD			
23	CONSUMABLE	PROBE COVERS	2 PACK		STANDARD			
24	ANY OTHER PART TO MAKE SYSTEM COMPLETE & WORKING		As required		STANDARD			
25	ANY ITEM, ACCESSORY, CONSUMABLE, CABLE, CONNECTOR, SOFTWARE, OR COMPONENT THAT IS PART OF THE SYSTEM AS PER TENDER REQUIREMENTS BUT NOT EXPLICITLY MENTIONED OR ITEMIZED IN THE BOQ SHALL BE DEEMED INCLUDED IN THE SCOPE OF SUPPLY AND MUST BE PROVIDED BY THE VENDOR WITHOUT ADDITIONAL COST. THE VENDOR MAY LIST SUCH		As required		STANDARD			

SNO	OPTIONAL GROUP	OPTIONAL ITEM NAME	QUANTIT Y	VENDOR CATALOGUE NUMBER	STANDARD/O PTIONAL	REMARKS (VENDOR ARE REQUESTED TO MAP THEIR ITEMS IN THEIR PROFORMA INVOICE WITH ENCLOSED LINE ITEMS)	QUOTE REFERENCE:SN)	QUOTE PAGE REFERENCE IF APPLICABLE)
1	HARDWARE	ADULT PHASED ARRAY 1-5 MHZ.			OPTIONAL			
2	HARDWARE	HOCKEY STICK PROBE 2-16MHZ.			OPTIONAL			
3	HARDWARE	LINEAR PROBE WITH BUTTONS 4-14MHZ.			OPTIONAL			
4	OTHERS CAN BE ADDED							

TYPE 5-ICU PORTABLE

SNO	GROUP	ITEM NAME	QUANTIT Y	VENDOR CATALOGUE NUMBER	STANDARD	REMARKS (VENDOR ARE REQUESTED TO MAP THEIR ITEMS IN THEIR PROFORMA INVOICE WITH ENCLOSED LINE ITEMS)	QUOTE REFERENCE:SN)	QUOTE PAGE REFERENCE IF APPLICABLE)
	EQUIPMENT NAME	PORTABLE ULTRASOUND						
	VENDOR NAME							
	MAKE							
	MODEL NAME							
1	HARDWARE	PORTABLE ULTRASOUND SCANNER WITH MEDICAL GRADE DISPLAY	2		STANDARD			
2	HARDWARE	LINEAR ARRAY TRANSDUCER 4-12 MHZ. WITH ALL APPLICATION SOFTWARE LICENSE FOR LIFETIME	2		STANDARD			
3	HARDWARE	CURVED ARRAY PROBE 1-7 MHZ. WITH ALL APPLICATION SOFTWARE LICENSE FOR LIFETIME	2		STANDARD			
4	HARDWARE	B/W THERMAL PRINTER	2		STANDARD			

5	HARDWARE	DVD / LAN / USB CONNECTIVITY / FULL DICOM	2		STANDARD			
6	HARDWARE	INTEGRATED CART/TROLLEY WITH 3 PROBE CONNECTIVITY-OEM	2		STANDARD			
7	APPLICATION SOFTWARE	CARDIOLOGY SOFTWARE	2		STANDARD			
8	APPLICATION SOFTWARE	IMAGE ANALYSIS AND MEASUREMENT SOFTWARE	2		STANDARD			
9	APPLICATION SOFTWARE	REPORTING SOFTWARE PACKAGE (IN-BUILT)	2		STANDARD			
10	APPLICATION SOFTWARE	ADVANCED VISUALIZATION AND POST-PROCESSING SOFTWARE	2		STANDARD			
11	APPLICATION SOFTWARE	ALL DICOM, WORKLIST & CONNECTIVITY PACKAGE	2		STANDARD			
12	APPLICATION SOFTWARE	DICOM STRUCTURED REPORTING	2		STANDARD			
13	APPLICATION SOFTWARE	LICENSE FOR APPLICATION SOFTWARE OVER LIFETIME OF EQUIPMENT TO BE GIVEN	2		STANDARD			
14	APPLICATION SOFTWARE	LICENSE FOR OS OVER LIFETIME OF EQUIPMENT TO BE GIVEN	2		STANDARD			
15	APPLICATION SOFTWARE	LICENSE FOR ANTIVIRUS OVER LIFETIME OF EQUIPMENT TO BE GIVEN IF APPLICABLE	2		STANDARD			
16	ACCESSORY	BATTERY	2					
17	ACCESSORY	PROBE HOLDERS	2		STANDARD			
18	ACCESSORY	PROBE CABLE HOOKS	2		STANDARD			
19	ACCESSORY	KEYBOARD COVER	2		STANDARD			
20	ACCESSORY	POWER CABLE (INDIAN STANDARD)	2		STANDARD			
21	HARDWARE OEM	THERMAL PRINTER	2		STANDARD			
22	CONSUMABLE	ULTRASOUND GEL	10 BOTTLES		STANDARD			
23	CONSUMABLE	PROBE COVERS	2 PACK		STANDARD			
24	ANY OTHER PART TO MAKE SYSTEM COMPLETE & WORKING		As required		STANDARD			
25	ANY ITEM, ACCESSORY, CONSUMABLE, CABLE, CONNECTOR, SOFTWARE, OR COMPONENT		As required		STANDARD			

	THAT IS PART OF THE SYSTEM AS PER TENDER REQUIREMENTS BUT NOT EXPLICITLY MENTIONED OR ITEMIZED IN THE BOQ SHALL BE DEEMED INCLUDED IN THE SCOPE OF SUPPLY AND MUST BE PROVIDED BY THE VENDOR WITHOUT ADDITIONAL COST. THE VENDOR MAY LIST SUCH ITEMS UNDER "STANDARD INCLUSIONS (NOT SEPARATELY CHARGED)" FOR DOCUMENTATION PURPOSES.							
SNO	OPTIONAL GROUP	OPTIONAL ITEM NAME	QUANTITY	VENDOR CATALOGUE NUMBER	STANDARD/OPTIONAL	REMARKS (VENDOR ARE REQUESTED TO MAP THEIR ITEMS IN THEIR PROFORMA INVOICE WITH ENCLOSED LINE ITEMS)	QUOTE REFERENCE:SN)	QUOTE PAGE REFERENCE IF APPLICABLE)
1	HARDWARE	ADULT PHASED ARRAY 1-5 MHZ.			OPTIONAL			
2	HARDWARE	HOCKEY STICK PROBE 2-16MHZ.			OPTIONAL			
3	HARDWARE	LINEAR PROBE WITH BUTTONS 4-14MHZ.			OPTIONAL			
4	OTHERS CAN BE ADDED							

TYPE 6-PORTABLE / HANDHELD POINT-OF-CARE ULTRASOUND SYSTEM

EQUIPMENT NAME	PORTABLE / HANDHELD POINT-OF-CARE ULTRASOUND SYSTEM FOR CARDIAC						
VENDOR NAME							

	MAKE							
	MODEL NAME							
SNO	GROUP	ITEM NAME	QUANTIT Y	VENDOR CATALOGUE NUMBER	STANDARD	REMARKS (VENDOR ARE REQUESTED TO MAP THEIR ITEMS IN THEIR PROFORMA INVOICE WITH ENCLOSED LINE ITEMS)	QUOTE REFERENCE:SN)	QUOTE PAGE REFERENCE IF APPLICABLE)
1	HARDWARE	HAND HELD USG WITH TABLET FOR VIEWING	1		STANDARD			
2	HARDWARE	SECTOR PROBE WITH ALL APPLICATION SOFTWARE LICENSE FOR LIFETIME	1		STANDARD			
3	HARDWARE	LINEAR PROBE WITH ALL APPLICATION SOFTWARE LICENSE FOR LIFETIME	2		STANDARD			
4	HARDWARE	CONVEX PROBE WITH ALL APPLICATION SOFTWARE LICENSE FOR LIFETIME	2		STANDARD			
5	APPLICATION SOFTWARE	2D B-MODE IMAGING SOFTWARE FOR REAL- TIME BLACK-AND-WHITE ANATOMICAL VISUALIZATION	1		STANDARD			
6	APPLICATION SOFTWARE	COLOUR DOPPLER IMAGING SOFTWARE FOR REAL-TIME BLOOD FLOW VISUALIZATION	1		STANDARD			
7	APPLICATION SOFTWARE	IMAGE AUTO-OPTIMIZATION SOFTWARE FOR 2D IMAGING MODE	1		STANDARD			
8	APPLICATION SOFTWARE	SELECTABLE FOCAL ZONE CONTROL SOFTWARE	1		STANDARD			
9	APPLICATION SOFTWARE	GAIN AND DEPTH ADJUSTMENT SOFTWARE FOR 2D AND COLOUR IMAGING MODES	1		STANDARD			
10	APPLICATION SOFTWARE	TIME GAIN COMPENSATION (TGC) SOFTWARE WITH AT LEAST SIX DEPTH-DEPENDENT GAIN CONTROLS	1		STANDARD			
11	APPLICATION SOFTWARE	ABDOMINAL IMAGING APPLICATION SOFTWARE	1		STANDARD			
12	APPLICATION SOFTWARE	VASCULAR IMAGING APPLICATION SOFTWARE	1		STANDARD			
13	APPLICATION SOFTWARE	PERIPHERAL VASCULAR IMAGING APPLICATION SOFTWARE	1		STANDARD			
14	APPLICATION SOFTWARE	MUSCULOSKELETAL IMAGING SOFTWARE INCLUDING CONVENTIONAL AND SUPERFICIAL APPLICATIONS	1		STANDARD			
15	APPLICATION SOFTWARE	SMALL ORGAN / SMALL PARTS IMAGING SOFTWARE	1		STANDARD			
16	APPLICATION SOFTWARE	OPHTHALMIC IMAGING APPLICATION SOFTWARE	1		STANDARD			
17	APPLICATION SOFTWARE	NEONATAL CEPHALIC IMAGING SOFTWARE	1		STANDARD			

18	APPLICATION SOFTWARE	PROCEDURAL GUIDANCE APPLICATION SOFTWARE	1		STANDARD			
19	APPLICATION SOFTWARE	FETAL AND OBSTETRIC IMAGING SOFTWARE	1		STANDARD			
20	APPLICATION SOFTWARE	GYNECOLOGICAL IMAGING SOFTWARE	1		STANDARD			
21	APPLICATION SOFTWARE	ABDOMINAL IMAGING SOFTWARE	1		STANDARD			
22	APPLICATION SOFTWARE	THORACIC AND LUNG IMAGING SOFTWARE	1		STANDARD			
23	APPLICATION SOFTWARE	CARDIAC IMAGING SOFTWARE COMPATIBLE WITH PHASED ARRAY PROBE	1		STANDARD			
24	APPLICATION SOFTWARE	INTERVENTIONAL GUIDANCE SOFTWARE FOR NEEDLE PLACEMENT, CATHETER PLACEMENT, DRAINAGE, NERVE BLOCK, VASCULAR ACCESS, AND BIOPSY	1		STANDARD			
25	APPLICATION SOFTWARE	IMAGE STORAGE AND DATA MANAGEMENT SOFTWARE FOR STILL IMAGES AND CINE LOOPS	1		STANDARD			
26	APPLICATION SOFTWARE	JPEG IMAGE STORAGE SOFTWARE	1		STANDARD			
27	APPLICATION SOFTWARE	CINE LOOP RECORDING AND PLAYBACK SOFTWARE IN MP4 OR EQUIVALENT STANDARD FORMAT	1		STANDARD			
28	APPLICATION SOFTWARE	DATA EXPORT AND TRANSFER SOFTWARE TO EXTERNAL DEVICES OR APPLICATIONS	1		STANDARD			
29	APPLICATION SOFTWARE	WIRELESS CONNECTIVITY AND DEVICE PAIRING SOFTWARE FOR IOS AND ANDROID PLATFORMS	1		STANDARD			
30	APPLICATION SOFTWARE	EXTERNAL DISPLAY MANAGEMENT SOFTWARE SUPPORTING PORTRAIT AND LANDSCAPE MODES	1		STANDARD			
31	APPLICATION SOFTWARE	ALL DICOM, WORKLIST & CONNECTIVITY PACKAGE	1		STANDARD			
32	APPLICATION SOFTWARE	LICENSE FOR APPLICATION SOFTWARE OVER LIFETIME OF EQUIPMENT TO BE GIVEN	1		STANDARD			
33	APPLICATION SOFTWARE	LICENSE FOR OS OVER LIFETIME OF EQUIPMENT TO BE GIVEN	1		STANDARD			
34	ACCESSORY	BATTERY	1		STANDARD			
35	CONSUMABLE	ULTRASOUND GEL	5 BOTTLES		STANDARD			
36	CONSUMABLE	PROBE COVERS	1 PACK		STANDARD			
37	ANY OTHER PART TO MAKE SYSTEM		As required		STANDARD			

	COMPLETE & WORKING							
38	ANY ITEM, ACCESSORY, CONSUMABLE, CABLE, CONNECTOR, SOFTWARE, OR COMPONENT THAT IS PART OF THE SYSTEM AS PER TENDER REQUIREMENTS BUT NOT EXPLICITLY MENTIONED OR ITEMIZED IN THE BOQ SHALL BE DEEMED INCLUDED IN THE SCOPE OF SUPPLY AND MUST BE PROVIDED BY THE VENDOR WITHOUT ADDITIONAL COST. THE VENDOR MAY LIST SUCH ITEMS UNDER "STANDARD INCLUSIONS (NOT SEPARATELY CHARGED)" FOR DOCUMENTATION PURPOSES.		As required		STANDARD			
SNO	OPTIONAL GROUP	OPTIONAL ITEM NAME	QUANTITY	VENDOR CATALOGUE NUMBER	STANDARD/OPTIONAL	REMARKS (VENDOR ARE REQUESTED TO MAP THEIR ITEMS IN THEIR PROFORMA INVOICE WITH ENCLOSED LINE ITEMS)	QUOTE REFERENCE:SN)	QUOTE PAGE REFERENCE IF APPLICABLE)
1	OTHERS CAN BE ADDED							

ANNEXURE:3 SCOPE OF SUPPLY COMMERCIAL

TYPE 1-RADIOLOGY												
	EQUIPMENT NAME	ULTRASOUND										
	VENDOR NAME											
	MAKE											
	MODEL NAME											
SNO	GROUP	ITEM NAME	QUANTITY	VENDOR CATALOGUE NUMBER	STANDARD	REMARKS (VENDOR ARE REQUESTED TO MAP THEIR ITEMS IN THEIR PROFORMA INVOICE WITH ENCLOSED LINE ITEMS)	QUOTE REFERENCE:SN	QUOTE PAGE REFERENCE IF APPLICABLE)	UNIT PRICE	TOTAL COST FOR THE QUANTITY MENTIONED	GST %	TOTAL COST WITH GST
1	HARDWARE	RADIOLOGY ULTRASOUND SYSTEM – COLOUR DOPPLER WITH SHEAR WAVE ELASTOGRAPHY	1		STANDARD							
2	HARDWARE	CONVEX ARRAY (ABDOMINAL) – 1-7 MHZ; ABDOMEN, LIVER, OB, GYN WITH ALL APPLICATION LICENSE FOR LIFETIME	1		STANDARD							
3	HARDWARE	LINEAR ARRAY 2-14 MHZ; VASCULAR, MSK, THYROID, BREAST WITH ALL APPLICATION LICENSE FOR LIFETIME	1		STANDARD							
4	HARDWARE	PHASED ARRAY (CARDIAC) – 1-5 MHZ; ADULT RADIOLOGY WITH ALL APPLICATION LICENSE FOR LIFETIME	1		STANDARD							
5	HARDWARE	ENDOCAVITARY (TV/TR) – 2-11 MHZ; TRANSVAGINAL /	1		STANDARD							

		TRANSRECTAL WITH ALL APPLICATION LICENSE FOR LIFETIME											
6	HARDWARE	MICRO-CONVEX – 3–10 MHZ; PEDIATRIC, INTERCOSTAL WITH ALL APPLICATION LICENSE FOR LIFETIME	1		STANDARD								
7	HARDWARE	PEDIATRIC PHASED ARRAY – 2–8 MHZ; PEDIATRIC ECHO WITH ALL APPLICATION LICENSE FOR LIFETIME	1		STANDARD								
8	HARDWARE	HIGH FREQUENCY LINEAR – 3–22 MHZ; MSK, SMALL PARTS WITH ALL APPLICATION LICENSE FOR LIFETIME	1		STANDARD								
9	HARDWARE	HOCKEY STICK – 3–24 MHZ; SUPERFICIAL MSK, SURGERY WITH ALL APPLICATION LICENSE FOR LIFETIME	1		STANDARD								
10	HARDWARE	INTEGRATED CART/TROLLEY	1		STANDARD								
11	HARDWARE	MULTI-BEAM / PARALLEL PROCESSING	1		STANDARD								
12	HARDWARE	GEL WARMER	1		STANDARD								
13	SOFTWARE	IMAGE MANAGEMENT SOFTWARE WITH PROFESSIONAL REPORTING AND STRUCTURED EXAM DOCUMENTATION	1		STANDARD								

14	SOFTWARE	ADVANCED IMAGE REVIEW TOOLS INCLUDING CINE REVIEW, MEASUREMENT EDITING, AND ANNOTATION	1		STANDARD								
15	SOFTWARE	VOLUME ULTRASOUND POST-PROCESSING TOOLS (MPR, RENDERING, CROPPING, ROTATION)	1		STANDARD								
16	SOFTWARE	PATIENT-BASED ARCHIVE WITH LONGITUDINAL EXAM COMPARISON	1		STANDARD								
17	SOFTWARE	SIDE-BY-SIDE AND QUAD-VIEW COMPARISON DURING LIVE AND ARCHIVED REVIEW	1		STANDARD								
18	SOFTWARE	AUTOMATED LESION / CYST MEASUREMENT (MANUAL OVERRIDE AVAILABLE)	1		STANDARD								
19	SOFTWARE	AI-ASSISTED DOPPLER AUTOMATION (AUTO COLOUR BOX PLACEMENT BASED ON VESSEL DETECTION)	1		STANDARD								
20	SOFTWARE	AI-BASED ORGAN RECOGNITION WITH AUTOMATIC PRESET SELECTION	1		STANDARD								
21	SOFTWARE	COMPREHENSIVE CALCULATION PACKAGES FOR OB/GYN, ABDOMINAL AND VASCULAR APPLICATIONS	1		STANDARD								
22	SOFTWARE	CEUS ANALYSIS PACKAGE	1		STANDARD								

		INCLUDING TIME INTENSITY CURVE (TIC) GENERATION											
23	SOFTWARE	SHEAR WAVE ELASTOGRAPHY ANALYSIS PACKAGE:	1		STANDARD								
24	SOFTWARE	LIVER STEATOSIS QUANTIFICATION SOFTWARE (ADULT POPULATION)	1		STANDARD								
25	SOFTWARE	MICROVASCULAR FLOW VISUALIZATION SOFTWARE (NON-DOPPLER BASED)	1		STANDARD								
26	SOFTWARE	DICOM APPLICATION SOFTWARE (STORE, PRINT, WORKLIST, QUERY/RETRIEVE, MPPS)	1		STANDARD								
27	SOFTWARE	POST-PROCESSING SOFTWARE FOR ADJUSTMENT OF GAIN, DR, GRAY MAP, DOPPLER PARAMETERS ON STORED DATA	1		STANDARD								
28	SOFTWARE	NEEDLE ENHANCEMENT	1		STANDARD								
29	SOFTWARE	AUTO LESION BOUNDARY TRACING	1		STANDARD								
30	SOFTWARE	HIGH DEFINATION ZOOM & HD ZOOM	1		STANDARD								
31	SOFTWARE	IMAGE ANALYSIS AND MEASUREMENT SOFTWARE	1		STANDARD								
32	SOFTWARE	CARDIOVASCULAR IMAGING SOFTWARE	1		STANDARD								
33	SOFTWARE	OB/GYN SOFTWARE	1		STANDARD								
34	SOFTWARE	BREAST IMAGING SOFTWARE	1		STANDARD								

35	SOFTWARE	MUSCULOSKELETAL (MSK) SOFTWARE	1		STANDARD														
36	SOFTWARE	UROLOGY AND RENAL IMAGING SOFTWARE	1		STANDARD														
37	SOFTWARE	BIOPSY GUIDANCE SOFTWARE	1		STANDARD														
38	SOFTWARE	ADVANCED VISUALIZATION AND POST-PROCESSING SOFTWARE	1		STANDARD														
39	SOFTWARE	AI AND MACHINE LEARNING-ENHANCED SOFTWARE	1		STANDARD														
40	SOFTWARE	TISSUE HARMONIC IMAGING (THI)	1		STANDARD														
41	SOFTWARE	SPECKLE REDUCTION IMAGING	1		STANDARD														
42	SOFTWARE	AUTO IMAGE OPTIMIZATION	1		STANDARD														
43	SOFTWARE	COMPOUND IMAGING	1		STANDARD														
44	SOFTWARE	COLOUR DOPPLER, POWER DOPPLER & DIRECTIONAL POWER DOPPLER	1		STANDARD														
45	SOFTWARE	SPECTRAL DOPPLER	1		STANDARD														
46	SOFTWARE	TRIPLEX MODE	1		STANDARD														
47	SOFTWARE	ELASTOGRAPHY / STRAIN ELASTOGRAPHY	1		STANDARD														
48	SOFTWARE	SHEAR WAVE ELASTOGRAPHY	1		STANDARD														
49	SOFTWARE	CONTRAST ENHANCED ULTRASOUND (CEUS)	1		STANDARD														
50	SOFTWARE	AUTO IMT	1		STANDARD														
51	SOFTWARE	PANORAMIC IMAGING	1		STANDARD														
52	SOFTWARE	CODED EXCITATION	1		STANDARD														

53	SOFTWARE	REPORTING SOFTWARE PACKAGE (IN-BUILT)	1		STANDARD														
54	SOFTWARE	SPATIO-TEMPORAL IMAGE CORRELATION	1		STANDARD														
55	SOFTWARE	MULTIPARAMETRIC LIVER ANALYSIS SOFTWARE – HEPATO-RENAL INDEX	1		STANDARD														
56	SOFTWARE	MULTIPARAMETRIC LIVER ANALYSIS SOFTWARE – TISSUE ATTENUATION IMAGING	1		STANDARD														
57	SOFTWARE	ONE-PAGE MULTIPARAMETRIC LIVER REPORT GENERATION	1		STANDARD														
58	SOFTWARE	ADVANCED SHEAR WAVE ELASTOGRAPHY WITH AUTOMATIC FRAME SELECTION AND ROI PLACEMENT	1		STANDARD														
59	SOFTWARE	STIC (SPATIO-TEMPORAL IMAGE CORRELATION) SOFTWARE FOR FETAL CARDIAC EVALUATION	1		STANDARD														
60	SOFTWARE	ADVANCED FETAL CARDIAC QUANTIFICATION PACKAGES	1		STANDARD														
61	SOFTWARE	FUSION IMAGING AND VOLUME NAVIGATION SOFTWARE WITH AUTO-REGISTRATION	1		STANDARD														
62	SOFTWARE	3D-LIKE HEMODYNAMIC COLOUR DOPPLER	1		STANDARD														

		VISUALIZATION SOFTWARE											
63	SOFTWARE	ADVANCED CEUS ANALYSIS WITH MOTION COMPENSATION	1		STANDARD								
64	SOFTWARE	CEUS FEEDER VESSEL IDENTIFICATION USING TIME-OF-ARRIVAL ANALYSIS	1		STANDARD								
65	SOFTWARE	REMOTE SERVICE SOLUTIONS	1		STANDARD								
66	SOFTWARE	LICENSE FOR APPLICATION SOFTWARE OVER LIFETIME OF EQUIPMENT TO BE GIVEN	1		STANDARD								
67	SOFTWARE	LICENSE FOR OS OVER LIFETIME OF EQUIPMENT TO BE GIVEN	1		STANDARD								
68	SOFTWARE	LICENSE FOR ANTIVIRUS OVER LIFETIME OF EQUIPMENT TO BE GIVEN	1		STANDARD								
69	ACCESSORY	PROBE HOLDERS	1		STANDARD								
70	ACCESSORY	PROBE CABLE HOOKS	1		STANDARD								
71	ACCESSORY	KEYBOARD COVER	1		STANDARD								
72	ACCESSORY	POWER CABLE (INDIAN STANDARD)	1		STANDARD								
73	ACCESSORY	BIOPSY GUIDE-CONVEX PROBE	1		STANDARD								
74	HARDWARE OEM	EM FILTER	1		STANDARD								
75	HARDWARE OEM	LASER PRINTER-COLOUR	1		STANDARD								
76	HARDWARE OEM	THERMAL PRINTER	1		STANDARD								
77	HARDWARE OEM	UPS - AS REQUIRED	1		STANDARD								

78	CONSUMABLE	ULTRASOUND GEL	5 BOTTLES		STANDARD							
79	CONSUMABLE	PROBE COVERS	2 PACK		STANDARD							
80	ANY OTHER PART TO MAKE SYSTEM COMPLETE & WORKING		As required		STANDARD							
81	ANY ITEM, ACCESSORY, CONSUMABLE, CABLE, CONNECTOR, SOFTWARE, OR COMPONENT THAT IS PART OF THE SYSTEM AS PER TENDER REQUIREMENTS BUT NOT EXPLICITLY MENTIONED OR ITEMIZED IN THE BOQ SHALL BE DEEMED INCLUDED IN THE SCOPE OF SUPPLY AND MUST BE PROVIDED BY THE VENDOR WITHOUT ADDITIONAL COST. THE VENDOR MAY LIST SUCH ITEMS UNDER "STANDARD INCLUSIONS (NOT SEPARATELY CHARGED)" FOR DOCUMENTATION PURPOSES.		As required		STANDARD							

GRAND TOTAL:												
SNO	GROUP	ITEM NAME	QUANTITY	VENDOR CATALOGUE NUMBER	OPTIONAL	REMARKS (VENDOR ARE REQUESTED TO MAP THEIR ITEMS IN THEIR PROFORMA INVOICE WITH ENCLOSED LINE ITEMS)	QUOTE REFERENCE:SN	QUOTE PAGE REFERENCE IF APPLICABLE)	UNIT PRICE	TOTAL COST FOR THE QUANTITY MENTIONED	GST %	TOTAL COST WITH GST
1	HARDWARE	BIOPSY COMPATIBLE PROBES – (CONVEX, TV, LINEAR AS APPLICABLE); INTERVENTIONAL PROCEDURES			OPTIONAL							
2	OTHERS CAN BE ADDED BELOW											

TYPE 2-RADIOLOGY												
EQUIPMENT NAME	ULTRASOUND											
VENDOR NAME												
MAKE												
MODEL NAME												
SNO	GROUP	ITEM NAME	QUANTITY	VENDOR CATALOGUE NUMBER	STANDARD	REMARKS (VENDOR ARE REQUESTED TO MAP THEIR ITEMS IN THEIR PROFORMA INVOICE WITH ENCLOSED LINE ITEMS)	QUOTE REFERENCE:SN	QUOTE PAGE REFERENCE IF APPLICABLE)	UNIT PRICE	TOTAL COST FOR THE QUANTITY MENTIONED	GST %	TOTAL COST WITH GST
1	HARDWARE	RADIOLOGY ULTRASOUND SYSTEM – COLOUR DOPPLER WITH SHEAR WAVE ELASTOGRAPHY	1		STANDARD							
2	HARDWARE	CONVEX ARRAY (ABDOMINAL) – 1-7 MHZ; ABDOMEN, LIVER, OB, GYN WITH ALL APPLICATION LICENSE FOR LIFETIME	1		STANDARD							

3	HARDWARE	LINEAR ARRAY 2-14 MHz; VASCULAR, MSK, THYROID, BREAST WITH ALL APPLICATION LICENSE FOR LIFETIME	1		STANDARD								
4	HARDWARE	PHASED ARRAY (CARDIAC) – 1-5 MHz; ADULT CARDIOLOGY WITH ALL APPLICATION LICENSE FOR LIFETIME	1		STANDARD								
5	HARDWARE	ENDOCAVITARY (TV/TR) – 2-11 MHz; TRANSVAGINAL / TRANSRECTAL WITH ALL APPLICATION LICENSE FOR LIFETIME	1		STANDARD								
6	HARDWARE	MICRO-CONVEX – 3-10 MHz; PEDIATRIC, INTERCOSTAL WITH ALL APPLICATION LICENSE FOR LIFETIME	1		STANDARD								
7	HARDWARE	PEDIATRIC PHASED ARRAY – 2-8 MHz; PEDIATRIC ECHO WITH ALL APPLICATION LICENSE FOR LIFETIME	1		STANDARD								
8	HARDWARE	HIGH FREQUENCY LINEAR – 3-22 MHz; MSK, SMALL PARTS WITH ALL APPLICATION LICENSE FOR LIFETIME	1		STANDARD								
9	HARDWARE	HOCKEY STICK – 3-24 MHz; SUPERFICIAL MSK, SURGERY WITH ALL APPLICATION LICENSE FOR LIFETIME	1		STANDARD								

10	HARDWARE	INTEGRATED CART/TROLLEY	1		STANDA RD									
11	HARDWARE	MULTI-BEAM / PARALLEL PROCESSING	1		STANDA RD									
12	HARDWARE	GEL WARMER	1		STANDA RD									
13	SOFTWARE	IMAGE MANAGEMENT SOFTWARE WITH PROFESSIONAL REPORTING AND STRUCTURED EXAM DOCUMENTATION	1		STANDA RD									
14	SOFTWARE	ADVANCED IMAGE REVIEW TOOLS INCLUDING CINE REVIEW, MEASUREMENT EDITING, AND ANNOTATION	1		STANDA RD									
15	SOFTWARE	VOLUME ULTRASOUND POST- PROCESSING TOOLS (MPR, RENDERING, CROPPING, ROTATION)	1		STANDA RD									
16	SOFTWARE	PATIENT-BASED ARCHIVE WITH LONGITUDINAL EXAM COMPARISON	1		STANDA RD									
17	SOFTWARE	SIDE-BY-SIDE AND QUAD-VIEW COMPARISON DURING LIVE AND ARCHIVED REVIEW	1		STANDA RD									
18	SOFTWARE	AUTOMATED LESION / CYST MEASUREMENT (MANUAL OVERRIDE AVAILABLE)	1		STANDA RD									
19	SOFTWARE	AI-ASSISTED DOPPLER AUTOMATION (AUTO COLOUR BOX PLACEMENT BASED	1		STANDA RD									

		ON VESSEL DETECTION)											
20	SOFTWARE	AI-BASED ORGAN RECOGNITION WITH AUTOMATIC PRESET SELECTION	1		STANDA RD								
21	SOFTWARE	COMPREHENSIVE CALCULATION PACKAGES FOR OB/GYN, ABDOMINAL AND VASCULAR APPLICATIONS	1		STANDA RD								
22	SOFTWARE	CEUS ANALYSIS PACKAGE INCLUDING TIME INTENSITY CURVE (TIC) GENERATION	1		STANDA RD								
23	SOFTWARE	SHEAR WAVE ELASTOGRAPHY ANALYSIS PACKAGE:	1		STANDA RD								
24	SOFTWARE	LIVER STEATOSIS QUANTIFICATION SOFTWARE (ADULT POPULATION)	1		STANDA RD								
25	SOFTWARE	MICROVASCULAR FLOW VISUALIZATION SOFTWARE (NON- DOPPLER BASED)	1		STANDA RD								
26	SOFTWARE	DICOM APPLICATION SOFTWARE (STORE, PRINT, WORKLIST, QUERY/RETRIEVE, MPPS)	1		STANDA RD								
27	SOFTWARE	POST-PROCESSING SOFTWARE FOR ADJUSTMENT OF GAIN, DR, GRAY MAP, DOPPLER PARAMETERS ON STORED DATA	1		STANDA RD								
28	SOFTWARE	NEEDLE ENHANCEMENT	1		STANDA RD								
29	SOFTWARE	AUTO LESION BOUNDARY TRACING	1		STANDA RD								

30	SOFTWARE	HIGH DEFINATION ZOOM & HD ZOOM	1		STANDAR D														
31	SOFTWARE	IMAGE ANALYSIS AND MEASUREMENT SOFTWARE	1		STANDAR D														
32	SOFTWARE	CARDIOVASCULAR IMAGING SOFTWARE	1		STANDAR D														
33	SOFTWARE	OB/GYN SOFTWARE	1		STANDAR D														
34	SOFTWARE	BREAST IMAGING SOFTWARE	1		STANDAR D														
35	SOFTWARE	MUSCULOSKELETAL (MSK) SOFTWARE	1		STANDAR D														
36	SOFTWARE	UROLOGY AND RENAL IMAGING SOFTWARE	1		STANDAR D														
37	SOFTWARE	BIOPSY GUIDANCE SOFTWARE	1		STANDAR D														
38	SOFTWARE	ADVANCED VISUALIZATION AND POST-PROCESSING SOFTWARE	1		STANDAR D														
39	SOFTWARE	AI AND MACHINE LEARNING- ENHANCED SOFTWARE	1		STANDAR D														
40	SOFTWARE	TISSUE HARMONIC IMAGING (THI)	1		STANDAR D														
41	SOFTWARE	SPECKLE REDUCTION IMAGING	1		STANDAR D														
42	SOFTWARE	AUTO IMAGE OPTIMIZATION	1		STANDAR D														
43	SOFTWARE	COMPOUND IMAGING	1		STANDAR D														
44	SOFTWARE	COLOUR DOPPLER, POWER DOPPLER & DIRECTIONAL POWER DOPPLER	1		STANDAR D														
45	SOFTWARE	SPECTRAL DOPPLER	1		STANDAR D														
46	SOFTWARE	TRIPLEX MODE	1		STANDAR D														
47	SOFTWARE	ELASTOGRAPHY / STRAIN ELASTOGRAPHY	1		STANDAR D														

48	SOFTWARE	SHEAR WAVE ELASTOGRAPHY	1		STANDARD										
49	SOFTWARE	CONTRAST ENHANCED ULTRASOUND (CEUS)	1		STANDARD										
50	SOFTWARE	AUTO IMT	1		STANDARD										
51	SOFTWARE	PANORAMIC IMAGING	1		STANDARD										
52	SOFTWARE	CODED EXCITATION REPORTING SOFTWARE PACKAGE (IN-BUILT)	1		STANDARD										
53	SOFTWARE	REPORTING SOFTWARE PACKAGE (IN-BUILT)	1		STANDARD										
54	SOFTWARE	SPATIO-TEMPORAL IMAGE CORRELATION	1		STANDARD										
55	SOFTWARE	MULTIPARAMETRIC LIVER ANALYSIS SOFTWARE – HEPATO-RENAL INDEX	1		STANDARD										
56	SOFTWARE	MULTIPARAMETRIC LIVER ANALYSIS SOFTWARE – TISSUE ATTENUATION IMAGING	1		STANDARD										
57	SOFTWARE	ONE-PAGE MULTIPARAMETRIC LIVER REPORT GENERATION	1		STANDARD										
58	SOFTWARE	ADVANCED SHEAR WAVE ELASTOGRAPHY WITH AUTOMATIC FRAME SELECTION AND ROI PLACEMENT	1		STANDARD										
59	SOFTWARE	STIC (SPATIO-TEMPORAL IMAGE CORRELATION) SOFTWARE FOR FETAL CARDIAC EVALUATION	1		STANDARD										
60	SOFTWARE	ADVANCED FETAL CARDIAC	1		STANDARD										

		QUANTIFICATION PACKAGES										
61	SOFTWARE	FUSION IMAGING AND VOLUME NAVIGATION SOFTWARE WITH AUTO-REGISTRATION	1		STANDARD							
62	SOFTWARE	3D-LIKE HEMODYNAMIC COLOUR DOPPLER VISUALIZATION SOFTWARE	1		STANDARD							
63	SOFTWARE	ADVANCED CEUS ANALYSIS WITH MOTION COMPENSATION	1		STANDARD							
64	SOFTWARE	CEUS FEEDER VESSEL IDENTIFICATION USING TIME-OF-ARRIVAL ANALYSIS	1		STANDARD							
65	SOFTWARE	REMOTE SERVICE SOLUTIONS	1		STANDARD							
66	SOFTWARE	LICENSE FOR APPLICATION SOFTWARE OVER LIFETIME OF EQUIPMENT TO BE GIVEN	1		STANDARD							
67	SOFTWARE	LICENSE FOR OS OVER LIFETIME OF EQUIPMENT TO BE GIVEN	1		STANDARD							
68	SOFTWARE	LICENSE FOR ANTIVIRUS OVER LIFETIME OF EQUIPMENT TO BE GIVEN	1		STANDARD							
69	ACCESSORY	PROBE HOLDERS	1		STANDARD							
70	ACCESSORY	PROBE CABLE HOOKS	1		STANDARD							
71	ACCESSORY	KEYBOARD COVER	1		STANDARD							
72	ACCESSORY	POWER CABLE (INDIAN STANDARD)	1		STANDARD							

73	ACCESSORY	BIOPSY GUIDE- CONVEX PROBE	1		STANDA RD								
74	HARDWARE OEM	EM FILTER	1		STANDA RD								
75	HARDWARE OEM	LASER PRINTER- COLOUR	1		STANDA RD								
76	HARDWARE OEM	THERMAL PRINTER	1		STANDA RD								
77	HARDWARE OEM	UPS - AS REQUIRED	1		STANDA RD								
78	CONSUMABLE	ULTRASOUND GEL	5 BOTTLE S		STANDA RD								
79	CONSUMABLE	PROBE COVERS	2 PACK		STANDA RD								
80	ANY OTHER PART TO MAKE SYSTEM COMPLETE & WORKING		As required		STANDA RD								
81	ANY ITEM, ACCESSORY, CONSUMABLE, CABLE, CONNECTOR, SOFTWARE, OR COMPONENT THAT IS PART OF THE SYSTEM AS PER TENDER REQUIREMENT S BUT NOT EXPLICITLY MENTIONED OR ITEMIZED IN THE BOQ SHALL BE DEEMED INCLUDED IN THE SCOPE OF SUPPLY AND MUST BE PROVIDED BY THE VENDOR WITHOUT ADDITIONAL COST. THE		As required		STANDA RD								

	VENDOR MAY LIST SUCH ITEMS UNDER "STANDARD INCLUSIONS (NOT SEPARATELY CHARGED)" FOR DOCUMENTATION PURPOSES.											
						GRAND TOTAL:						
SNO	GROUP	ITEM NAME	QUANTITY	VENDOR CATALOGUE NUMBER	OPTIONAL	REMARKS (VENDOR ARE REQUESTED TO MAP THEIR ITEMS IN THEIR PROFORMA INVOICE WITH ENCLOSED LINE ITEMS)	QUOTE REFERENCE:SN	QUOTE PAGE REFERENCE IF APPLICABLE)	UNIT PRICE	TOTAL COST FOR THE QUANTITY MENTIONED	GST %	TOTAL COST WITH GST
1	HARDWARE	BIOPSY COMPATIBLE PROBES – (CONVEX, TV, LINEAR AS APPLICABLE); INTERVENTIONAL PROCEDURES			OPTIONAL							
2	OTHERS CAN BE ADDED BELOW											

TYPE 3 UROLOGY												
EQUIPMENT NAME	USG MACHINE UROLOGY											
VENDOR NAME												
MAKE												
MODEL NAME												
SNO	GROUP	ITEM NAME	QUANTITY	VENDOR CATALOGUE NUMBER	STANDARD	REMARKS (VENDOR ARE REQUESTED TO MAP THEIR ITEMS IN THEIR PROFORMA INVOICE WITH ENCLOSED LINE ITEMS)	QUOTE REFERENCE:SN	QUOTE PAGE REFERENCE IF APPLICABLE)	UNIT PRICE	TOTAL COST FOR THE QUANTITY MENTIONED	GST %	TOTAL COST WITH GST
1	HARDWARE	ULTRASOUND SYSTEM – COLOUR	1		STANDARD							

		DOPPLER WITH SHEAR WAVE ELASTOGRAPHY											
2	HARDWARE	SINGLE-CRYSTAL CONVEX TRANSDUCER WITHIN A FREQUENCY RANGE OF 1-7 MHZ-WITH ALL APPLICATION LICENSE FOR LIFETIME.	1		STANDARD								
3	HARDWARE	BROADBAND LINEAR TRANSDUCER WITHIN A FREQUENCY RANGE OF 3-15 MHZ, SUITABLY OPTIMIZED FOR ABDOMINAL, VASCULAR, AND SMALL PARTS IMAGING AND SUPPORTING SHEAR WAVE ELASTOGRAPHY. - WITH ALL APPLICATION LICENSE FOR LIFETIME.	1		STANDARD								
4	HARDWARE	BROADBAND TRANSVAGINAL/TRANSRECTAL (TV/TR) TRANSDUCER WITHIN A FREQUENCY RANGE OF 2-11 MHZ--WITH ALL APPLICATION LICENSE FOR LIFETIME.	1		STANDARD								
5	HARDWARE	SINGLE-CRYSTAL MICRO-CONVEX TRANSDUCER WITHIN A FREQUENCY RANGE OF 3-10 MHZ -WITH ALL	1		STANDARD								

		APPLICATION LICENSE FOR LIFETIME.											
6	HARDWARE	HIGH-FREQUENCY LINEAR TRANSDUCER WITHIN A FREQUENCY RANGE OF ANYWHERE BETWEEN 3-22- WITH ALL APPLICATION LICENSE FOR LIFETIME	1		STANDARD								
7	HARDWARE	MULTI-BEAM / PARALLEL PROCESSING	1		STANDARD								
8	HARDWARE	GEL WARMER	1		STANDARD								
9	SOFTWARE	IMAGE MANAGEMENT SOFTWARE WITH PROFESSIONAL REPORTING AND STRUCTURED EXAM DOCUMENTATION	1		STANDARD								
10	SOFTWARE	ADVANCED IMAGE REVIEW TOOLS INCLUDING CINE REVIEW, MEASUREMENT EDITING, AND ANNOTATION	1		STANDARD								
11	SOFTWARE	VOLUME ULTRASOUND POST-PROCESSING TOOLS (MPR, RENDERING, CROPPING, ROTATION)	1		STANDARD								
12	SOFTWARE	PATIENT-BASED ARCHIVE WITH LONGITUDINAL EXAM COMPARISON	1		STANDARD								
13	SOFTWARE	SIDE-BY-SIDE AND QUAD-VIEW COMPARISON	1		STANDARD								

		DURING LIVE AND ARCHIVED REVIEW											
14	SOFTWARE	AUTOMATED LESION / CYST MEASUREMENT (MANUAL OVERRIDE AVAILABLE)	1		STANDARD								
15	SOFTWARE	AI-ASSISTED DOPPLER AUTOMATION (AUTO COLOUR BOX PLACEMENT BASED ON VESSEL DETECTION)	1		STANDARD								
16	SOFTWARE	AI-BASED ORGAN RECOGNITION WITH AUTOMATIC PRESET SELECTION	1		STANDARD								
17	SOFTWARE	COMPREHENSIVE CALCULATION PACKAGES FOR OB/GYN, ABDOMINAL AND VASCULAR APPLICATIONS	1		STANDARD								
18	SOFTWARE	CEUS ANALYSIS PACKAGE INCLUDING TIME INTENSITY CURVE (TIC) GENERATION	1		STANDARD								
19	SOFTWARE	SHEAR WAVE ELASTOGRAPHY ANALYSIS PACKAGE:	1		STANDARD								
20	SOFTWARE	LIVER STEATOSIS QUANTIFICATION SOFTWARE (ADULT POPULATION)	1		STANDARD								
21	SOFTWARE	MICROVASCULAR FLOW VISUALIZATION SOFTWARE (NON-DOPPLER BASED)	1		STANDARD								
22	SOFTWARE	DICOM APPLICATION SOFTWARE (STORE, PRINT, WORKLIST, QUERY/RETRIEVE, MPPS)	1		STANDARD								

23	SOFTWARE	POST-PROCESSING SOFTWARE FOR ADJUSTMENT OF GAIN, DR, GRAY MAP, DOPPLER PARAMETERS ON STORED DATA	1		STANDARD									
24	SOFTWARE	NEEDLE ENHANCEMENT	1		STANDARD									
25	SOFTWARE	AUTO LESION BOUNDARY TRACING	1		STANDARD									
26	SOFTWARE	HIGH DEFINATION ZOOM & HD ZOOM	1		STANDARD									
27	SOFTWARE	IMAGE ANALYSIS AND MEASUREMENT SOFTWARE	1		STANDARD									
28	SOFTWARE	CARDIOVASCULAR IMAGING SOFTWARE	1		STANDARD									
29	SOFTWARE	OB/GYN SOFTWARE	1		STANDARD									
30	SOFTWARE	BREAST IMAGING SOFTWARE	1		STANDARD									
31	SOFTWARE	MUSCULOSKELETAL (MSK) SOFTWARE	1		STANDARD									
32	SOFTWARE	UROLOGY AND RENAL IMAGING SOFTWARE	1		STANDARD									
33	SOFTWARE	BIOPSY GUIDANCE SOFTWARE	1		STANDARD									
34	SOFTWARE	ADVANCED VISUALIZATION AND POST-PROCESSING SOFTWARE	1		STANDARD									
35	SOFTWARE	AI AND MACHINE LEARNING-ENHANCED SOFTWARE	1		STANDARD									
36	SOFTWARE	TISSUE HARMONIC IMAGING (THI)	1		STANDARD									
37	SOFTWARE	SPECKLE REDUCTION IMAGING	1		STANDARD									
38	SOFTWARE	AUTO IMAGE OPTIMIZATION	1		STANDARD									
39	SOFTWARE	COMPOUND IMAGING	1		STANDARD									

40	SOFTWARE	COLOUR DOPPLER, POWER DOPPLER & DIRECTIONAL POWER DOPPLER	1		STANDA RD									
41	SOFTWARE	SPECTRAL DOPPLER	1		STANDA RD									
42	SOFTWARE	TRIPLEX MODE	1		STANDA RD									
43	SOFTWARE	ELASTOGRAPHY / STRAIN ELASTOGRAPHY	1		STANDA RD									
44	SOFTWARE	SHEAR WAVE ELASTOGRAPHY	1		STANDA RD									
45	SOFTWARE	CONTRAST ENHANCED ULTRASOUND (CEUS)	1		STANDA RD									
46	SOFTWARE	AUTO IMT	1		STANDA RD									
47	SOFTWARE	PANORAMIC IMAGING	1		STANDA RD									
48	SOFTWARE	CODED EXCITATION	1		STANDA RD									
49	SOFTWARE	REPORTING SOFTWARE PACKAGE (IN-BUILT)	1		STANDA RD									
50	SOFTWARE	SPATIO-TEMPORAL IMAGE CORRELATION	1		STANDA RD									
51	SOFTWARE	MULTIPARAMETRIC LIVER ANALYSIS SOFTWARE – HEPATO-RENAL INDEX	1		STANDA RD									
52	SOFTWARE	MULTIPARAMETRIC LIVER ANALYSIS SOFTWARE – TISSUE ATTENUATION IMAGING	1		STANDA RD									
53	SOFTWARE	ONE-PAGE MULTIPARAMETRIC LIVER REPORT GENERATION	1		STANDA RD									
54	SOFTWARE	ADVANCED SHEAR WAVE ELASTOGRAPHY WITH AUTOMATIC	1		STANDA RD									

		FRAME SELECTION AND ROI PLACEMENT											
55	SOFTWARE	STIC (SPATIO-TEMPORAL IMAGE CORRELATION) SOFTWARE FOR FETAL CARDIAC EVALUATION	1		STANDARD								
56	SOFTWARE	3D-LIKE HEMODYNAMIC COLOUR DOPPLER VISUALIZATION SOFTWARE	1		STANDARD								
57	SOFTWARE	ADVANCED CEUS ANALYSIS WITH MOTION COMPENSATION	1		STANDARD								
58	SOFTWARE	CEUS FEEDER VESSEL IDENTIFICATION USING TIME-OF-ARRIVAL ANALYSIS	1		STANDARD								
59	SOFTWARE	REMOTE SERVICE SOLUTIONS	1		STANDARD								
60	SOFTWARE	LICENSE FOR APPLICATION SOFTWARE OVER LIFETIME OF EQUIPMENT TO BE GIVEN	1		STANDARD								
61	SOFTWARE	LICENSE FOR OS OVER LIFETIME OF EQUIPMENT TO BE GIVEN	1		STANDARD								
62	SOFTWARE	LICENSE FOR ANTIVIRUS OVER LIFETIME OF EQUIPMENT TO BE GIVEN	1		STANDARD								
63	ACCESSORY	PROBE HOLDERS	1		STANDARD								
64	ACCESSORY	PROBE CABLE HOOKS	1		STANDARD								
65	ACCESSORY	KEYBOARD COVER	1		STANDARD								
66	ACCESSORY	POWER CABLE (INDIAN STANDARD)	1		STANDARD								

67	HARDWARE OEM	EM FILTER	1		STANDA RD							
68	HARDWARE OEM	LASER PRINTER- COLOUR	1		STANDA RD							
69	HARDWARE OEM	THERMAL PRINTER	1		STANDA RD							
70	HARDWARE OEM	UPS - AS REQUIRED	1		STANDA RD							
71	CONSUMABLE	ULTRASOUND GEL (1L)	5 BOTTLE S		STANDA RD							
72	CONSUMABLE	PROBE COVERS	1 PACK		STANDA RD							
73	ANY OTHER PART TO MAKE SYSTEM COMPLETE & WORKING		As required		STANDA RD							
74	ANY ITEM, ACCESSORY, CONSUMABLE, CABLE, CONNECTOR, SOFTWARE, OR COMPONENT THAT IS PART OF THE SYSTEM AS PER TENDER REQUIREMENT S BUT NOT EXPLICITLY MENTIONED OR ITEMIZED IN THE BOQ SHALL BE DEEMED INCLUDED IN THE SCOPE OF SUPPLY AND MUST BE PROVIDED BY THE VENDOR WITHOUT ADDITIONAL COST. THE VENDOR MAY LIST SUCH ITEMS UNDER		As required		STANDA RD							

	“STANDARD INCLUSIONS (NOT SEPARATELY CHARGED)” FOR DOCUMENTATION PURPOSES.												
GRAND TOTAL:													
SNO	GROUP	ITEM NAME	QUANTITY	VENDOR CATALOGUE NUMBER	OPTIONAL	REMARKS (VENDOR ARE REQUESTED TO MAP THEIR ITEMS IN THEIR PROFORMA INVOICE WITH ENCLOSED LINE ITEMS)	QUOTE REFERENCE:SN	QUOTE PAGE REFERENCE IF APPLICABLE)	UNIT PRICE	TOTAL COST FOR THE QUANTITY MENTIONED	GST %	TOTAL COST WITH GST	
1	HARDWARE	HIGH-FREQUENCY HOCKEY STICK LINEAR TRANSDUCER OPERATING WITHIN A FREQUENCY RANGE OF 7-22 MHZ, SUITABLY OPTIMIZED FOR SUPERFICIAL AND SMALL PARTS IMAGING APPLICATIONS.			OPTIONAL								
2	HARDWARE	HIGH-FREQUENCY CONVEX TRANSDUCER OPERATING WITHIN A FREQUENCY RANGE OF 3-9 MHZ, SUITABLY OPTIMIZED FOR SPECIALIZED SUPERFICIAL AND FOCUSED DIAGNOSTIC IMAGING APPLICATIONS.			OPTIONAL								
3	HARDWARE	HIGH-FREQUENCY LINEAR ARRAY TRANSDUCER OPERATING WITHIN A FREQUENCY RANGE OF 10-15			OPTIONAL								

		MHZ, SUITABLY OPTIMIZED FOR DETAILED SCROTAL AND PENILE IMAGING APPLICATIONS.										
4	HARDWARE	BI-PLANE TRANSRECTAL TRANSDUCER FOR UROLOGY APPLICATIONS, OPERATING WITHIN A FREQUENCY RANGE OF 2-14 MHZ				OPTIONAL						
5	HARDWARE	BIOPSY COMPATIBLE PROBES – (CONVEX, LINEAR AS APPLICABLE); INTERVENTIONAL PROCEDURES				OPTIONAL						
6	SOFTWARE	FUSION IMAGING AND VOLUME NAVIGATION SOFTWARE WITH AUTO-REGISTRATION				OPTIONAL						

TYPE 4-ICU PORTABLE

SNO	GROUP	ITEM NAME	QUANTITY	VENDOR CATALOGUE NUMBER	STANDARD	REMARKS (VENDOR ARE REQUESTED TO MAP THEIR ITEMS IN THEIR PROFORMA INVOICE WITH ENCLOSED LINE ITEMS)	QUOTE REFERENCE:SN	QUOTE PAGE REFERENCE IF APPLICABLE)	UNIT PRICE	TOTAL COST FOR THE QUANTITY MENTIONED	GST %	TOTAL COST WITH GST
1	HARDWARE	PORTABLE ULTRASOUND SCANNER WITH MEDICAL GRADE DISPLAY	2		STANDARD							

2	HARDWARE	LINEAR ARRAY TRANSDUCER 4-12 MHZ. WITH ALL APPLICATION SOFTWARE LICENSE FOR LIFETIME	2		STANDA RD									
3	HARDWARE	CURVED ARRAY PROBE 1-7 MHZ. WITH ALL APPLICATION SOFTWARE LICENSE FOR LIFETIME	2		STANDA RD									
4	HARDWARE	B/W THERMAL PRINTER	2		STANDA RD									
5	HARDWARE	DVD / LAN / USB CONNECTIVITY / FULL DICOM	2		STANDA RD									
6	HARDWARE	INTEGRATED CART/TROLLEY WITH 3 PROBE CONNECTIVITY	2		STANDA RD									
7	APPLICATION SOFTWARE	CARDIOLOGY SOFTWARE	2		STANDA RD									
8	APPLICATION SOFTWARE	IMAGE ANALYSIS AND MEASUREMENT SOFTWARE	2		STANDA RD									
9	APPLICATION SOFTWARE	REPORTING SOFTWARE PACKAGE (IN-BUILT)	2		STANDA RD									
10	APPLICATION SOFTWARE	ADVANCED VISUALIZATION AND POST-PROCESSING SOFTWARE	2		STANDA RD									
11	APPLICATION SOFTWARE	ALL DICOM, WORKLIST & CONNECTIVITY PACKAGE	2		STANDA RD									
12	APPLICATION SOFTWARE	DICOM STRUCTURED REPORTING	2		STANDA RD									
13	APPLICATION SOFTWARE	LICENSE FOR APPLICATION SOFTWARE OVER LIFETIME OF EQUIPMENT TO BE GIVEN	2		STANDA RD									
14	APPLICATION SOFTWARE	LICENSE FOR OS OVER LIFETIME OF	2		STANDA RD									

		EQUIPMENT TO BE GIVEN										
15	APPLICATION SOFTWARE	LICENSE FOR ANTIVIRUS OVER LIFETIME OF EQUIPMENT TO BE GIVEN IF APPLICABLE	2		STANDARD							
16	ACCESSORY	BATTERY	2									
17	ACCESSORY	PROBE HOLDERS	2		STANDARD							
18	ACCESSORY	PROBE CABLE HOOKS	2		STANDARD							
19	ACCESSORY	KEYBOARD COVER	2		STANDARD							
20	ACCESSORY	POWER CABLE (INDIAN STANDARD)	2		STANDARD							
21	HARDWARE OEM	THERMAL PRINTER	2		STANDARD							
22	CONSUMABLE	ULTRASOUND GEL	10 BOTTLES		STANDARD							
23	CONSUMABLE	PROBE COVERS	2 PACK		STANDARD							
24	ANY OTHER PART TO MAKE SYSTEM COMPLETE & WORKING		As required		STANDARD							
25	ANY ITEM, ACCESSORY, CONSUMABLE, CABLE, CONNECTOR, SOFTWARE, OR COMPONENT THAT IS PART OF THE SYSTEM AS PER TENDER REQUIREMENTS BUT NOT EXPLICITLY MENTIONED OR ITEMIZED IN THE BOQ SHALL BE DEEMED		As required		STANDARD							

	INCLUDED IN THE SCOPE OF SUPPLY AND MUST BE PROVIDED BY THE VENDOR WITHOUT ADDITIONAL COST. THE VENDOR MAY LIST SUCH ITEMS UNDER "STANDARD INCLUSIONS (NOT SEPARATELY CHARGED)" FOR DOCUMENTATION PURPOSES.											
							GRAND TOTAL:					
SNO	GROUP	ITEM NAME	QUANTITY	VENDOR CATALOGUE NUMBER	OPTIONAL	REMARKS (VENDOR ARE REQUESTED TO MAP THEIR ITEMS IN THEIR PROFORMA INVOICE WITH ENCLOSED LINE ITEMS)	QUOTE REFERENCE:SN	QUOTE PAGE REFERENCE IF APPLICABLE)	UNIT PRICE	TOTAL COST FOR THE QUANTITY MENTIONED	GST %	TOTAL COST WITH GST
1	HARDWARE	ADULT PHASED ARRAY 1-5 MHZ,			OPTIONAL							
2	HARDWARE	HOCKEY STICK PROBE 2-16MHZ,			OPTIONAL							
3	HARDWARE	LINEAR PROBE WITH BUTTONS 4-14MHZ.			OPTIONAL							
4	OTHERS CAN BE ADDED											

TYPE 5-ICU PORTABLE-Low end

EQUIPMENT NAME	PORTABLE ULTRASOUND											
VENDOR NAME												
MAKE												
MODEL NAME												

SNO	GROUP	ITEM NAME	QUANTITY	VENDOR CATALOGUE NUMBER	STANDARD	REMARKS (VENDOR ARE REQUESTED TO MAP THEIR ITEMS IN THEIR PROFORMA INVOICE WITH ENCLOSED LINE ITEMS)	QUOTE REFERENCE:SN	QUOTE PAGE REFERENCE IF APPLICABLE)	UNIT PRICE	TOTAL COST FOR THE QUANTITY MENTIONED	GST %	TOTAL COST WITH GST
1	HARDWARE	PORTABLE ULTRASOUND SCANNER WITH MEDICAL GRADE DISPLAY	2		STANDARD							
2	HARDWARE	LINEAR ARRAY TRANSDUCER 4-12 MHZ. WITH ALL APPLICATION SOFTWARE LICENSE FOR LIFETIME	2		STANDARD							
3	HARDWARE	CURVED ARRAY PROBE 1-7 MHZ. WITH ALL APPLICATION SOFTWARE LICENSE FOR LIFETIME	2		STANDARD							
4	HARDWARE	B/W THERMAL PRINTER	2		STANDARD							
5	HARDWARE	DVD / LAN / USB CONNECTIVITY / FULL DICOM	2		STANDARD							
6	HARDWARE	INTEGRATED CART/TROLLEY WITH 3 PROBE CONNECTIVITY	2		STANDARD							
7	APPLICATION SOFTWARE	CARDIOLOGY SOFTWARE	2		STANDARD							
8	APPLICATION SOFTWARE	IMAGE ANALYSIS AND MEASUREMENT SOFTWARE	2		STANDARD							
9	APPLICATION SOFTWARE	REPORTING SOFTWARE PACKAGE (IN-BUILT)	2		STANDARD							
10	APPLICATION SOFTWARE	ADVANCED VISUALIZATION AND POST-PROCESSING SOFTWARE	2		STANDARD							
11	APPLICATION SOFTWARE	ALL DICOM, WORKLIST & CONNECTIVITY PACKAGE	2		STANDARD							

12	APPLICATION SOFTWARE	DICOM STRUCTURED REPORTING	2		STANDARD								
13	APPLICATION SOFTWARE	LICENSE FOR APPLICATION SOFTWARE OVER LIFETIME OF EQUIPMENT TO BE GIVEN	2		STANDARD								
14	APPLICATION SOFTWARE	LICENSE FOR OS OVER LIFETIME OF EQUIPMENT TO BE GIVEN	2		STANDARD								
15	APPLICATION SOFTWARE	LICENSE FOR ANTIVIRUS OVER LIFETIME OF EQUIPMENT TO BE GIVEN IF APPLICABLE	2		STANDARD								
16	ACCESSORY	BATTERY	2										
17	ACCESSORY	PROBE HOLDERS	2		STANDARD								
18	ACCESSORY	PROBE CABLE HOOKS	2		STANDARD								
19	ACCESSORY	KEYBOARD COVER	2		STANDARD								
20	ACCESSORY	POWER CABLE (INDIAN STANDARD)	2		STANDARD								
21	HARDWARE OEM	THERMAL PRINTER	2		STANDARD								
22	CONSUMABLE	ULTRASOUND GEL	10 BOTTLES		STANDARD								
23	CONSUMABLE	PROBE COVERS	2 PACK		STANDARD								
24	ANY OTHER PART TO MAKE SYSTEM COMPLETE & WORKING		As required		STANDARD								
25	ANY ITEM, ACCESSORY, CONSUMABLE, CABLE, CONNECTOR, SOFTWARE, OR COMPONENT THAT IS PART		As required		STANDARD								

	OF THE SYSTEM AS PER TENDER REQUIREMENTS BUT NOT EXPLICITLY MENTIONED OR ITEMIZED IN THE BOQ SHALL BE DEEMED INCLUDED IN THE SCOPE OF SUPPLY AND MUST BE PROVIDED BY THE VENDOR WITHOUT ADDITIONAL COST. THE VENDOR MAY LIST SUCH ITEMS UNDER "STANDARD INCLUSIONS (NOT SEPARATELY CHARGED)" FOR DOCUMENTATION PURPOSES.											
						GRAND TOTAL:						
SNO	GROUP	ITEM NAME	QUANTITY	VENDOR CATALOGUE NUMBER	OPTIONAL	REMARKS (VENDOR ARE REQUESTED TO MAP THEIR ITEMS IN THEIR PROFORMA INVOICE WITH ENCLOSED LINE ITEMS)	QUOTE REFERENCE:SN	QUOTE PAGE REFERENCE IF APPLICABLE)	UNIT PRICE	TOTAL COST FOR THE QUANTITY MENTIONED	GST %	TOTAL COST WITH GST
1	HARDWARE	ADULT PHASED ARRAY 1-5 MHZ,			OPTIONAL							
2	HARDWARE	HOCKEY STICK PROBE 2-16MHZ,			OPTIONAL							
3	HARDWARE	LINEAR PROBE WITH BUTTONS 4-14MHZ.			OPTIONAL							
4	OTHERS CAN BE ADDED											

TYPE 6 -PORTABLE / HANDHELD POINT-OF-CARE ULTRASOUND SYSTEM

SNO	GROUP	ITEM NAME	QUANTITY	VENDOR CATALOGUE NUMBER	STANDARD	REMARKS (VENDOR ARE REQUESTED TO MAP THEIR ITEMS IN THEIR PROFORMA INVOICE WITH ENCLOSED LINE ITEMS)	QUOTE REFERENCE:SN	QUOTE PAGE REFERENCE IF APPLICABLE)	UNIT PRICE	TOTAL COST FOR THE QUANTITY MENTIONED	GST %	TOTAL COST WITH GST
	EQUIPMENT NAME	PORTABLE / HANDHELD POINT-OF-CARE ULTRASOUND SYSTEM FOR CARDIAC										
	VENDOR NAME											
	MAKE											
	MODEL NAME											
1	HARDWARE	HAND HELD USG WITH TABLET FOR VIEWING	1		STANDARD							
2	HARDWARE	SECTOR PROBE WITH ALL APPLICATION SOFTWARE LICENSE FOR LIFETIME	1		STANDARD							
3	HARDWARE	LINEAR PROBE WITH ALL APPLICATION SOFTWARE LICENSE FOR LIFETIME	2		STANDARD							
4	HARDWARE	CONVEX PROBE WITH ALL APPLICATION SOFTWARE LICENSE FOR LIFETIME	2		STANDARD							
5	APPLICATION SOFTWARE	2D B-MODE IMAGING SOFTWARE FOR REAL-TIME BLACK-AND-WHITE ANATOMICAL VISUALIZATION	1		STANDARD							
6	APPLICATION SOFTWARE	COLOUR DOPPLER IMAGING SOFTWARE FOR REAL-TIME BLOOD FLOW VISUALIZATION	1		STANDARD							
7	APPLICATION SOFTWARE	IMAGE AUTO-OPTIMIZATION	1		STANDARD							

		SOFTWARE FOR 2D IMAGING MODE											
8	APPLICATION SOFTWARE	SELECTABLE FOCAL ZONE CONTROL SOFTWARE	1		STANDARD								
9	APPLICATION SOFTWARE	GAIN AND DEPTH ADJUSTMENT SOFTWARE FOR 2D AND COLOUR IMAGING MODES	1		STANDARD								
10	APPLICATION SOFTWARE	TIME GAIN COMPENSATION (TGC) SOFTWARE WITH AT LEAST SIX DEPTH-DEPENDENT GAIN CONTROLS	1		STANDARD								
11	APPLICATION SOFTWARE	ABDOMINAL IMAGING APPLICATION SOFTWARE	1		STANDARD								
12	APPLICATION SOFTWARE	VASCULAR IMAGING APPLICATION SOFTWARE	1		STANDARD								
13	APPLICATION SOFTWARE	PERIPHERAL VASCULAR IMAGING APPLICATION SOFTWARE	1		STANDARD								
14	APPLICATION SOFTWARE	MUSCULOSKELETAL IMAGING SOFTWARE INCLUDING CONVENTIONAL AND SUPERFICIAL APPLICATIONS	1		STANDARD								
15	APPLICATION SOFTWARE	SMALL ORGAN / SMALL PARTS IMAGING SOFTWARE	1		STANDARD								
16	APPLICATION SOFTWARE	OPHTHALMIC IMAGING APPLICATION SOFTWARE	1		STANDARD								
17	APPLICATION SOFTWARE	NEONATAL CEPHALIC IMAGING SOFTWARE	1		STANDARD								
18	APPLICATION SOFTWARE	PROCEDURAL GUIDANCE APPLICATION SOFTWARE	1		STANDARD								

19	APPLICATION SOFTWARE	FETAL AND OBSTETRIC IMAGING SOFTWARE	1		STANDARD									
20	APPLICATION SOFTWARE	GYNECOLOGICAL IMAGING SOFTWARE	1		STANDARD									
21	APPLICATION SOFTWARE	ABDOMINAL IMAGING SOFTWARE	1		STANDARD									
22	APPLICATION SOFTWARE	THORACIC AND LUNG IMAGING SOFTWARE	1		STANDARD									
23	APPLICATION SOFTWARE	CARDIAC IMAGING SOFTWARE COMPATIBLE WITH PHASED ARRAY PROBE	1		STANDARD									
24	APPLICATION SOFTWARE	INTERVENTIONAL GUIDANCE SOFTWARE FOR NEEDLE PLACEMENT, CATHETER PLACEMENT, DRAINAGE, NERVE BLOCK, VASCULAR ACCESS, AND BIOPSY	1		STANDARD									
25	APPLICATION SOFTWARE	IMAGE STORAGE AND DATA MANAGEMENT SOFTWARE FOR STILL IMAGES AND CINE LOOPS	1		STANDARD									
26	APPLICATION SOFTWARE	JPEG IMAGE STORAGE SOFTWARE	1		STANDARD									
27	APPLICATION SOFTWARE	CINE LOOP RECORDING AND PLAYBACK SOFTWARE IN MP4 OR EQUIVALENT STANDARD FORMAT	1		STANDARD									
28	APPLICATION SOFTWARE	DATA EXPORT AND TRANSFER SOFTWARE TO EXTERNAL DEVICES OR APPLICATIONS	1		STANDARD									
29	APPLICATION SOFTWARE	WIRELESS CONNECTIVITY AND	1		STANDARD									

		DEVICE PAIRING SOFTWARE FOR IOS AND ANDROID PLATFORMS											
30	APPLICATION SOFTWARE	EXTERNAL DISPLAY MANAGEMENT SOFTWARE SUPPORTING PORTRAIT AND LANDSCAPE MODES	1		STANDARD								
31	APPLICATION SOFTWARE	ALL DICOM, WORKLIST & CONNECTIVITY PACKAGE	1		STANDARD								
32	APPLICATION SOFTWARE	LICENSE FOR APPLICATION SOFTWARE OVER LIFETIME OF EQUIPMENT TO BE GIVEN	1		STANDARD								
33	APPLICATION SOFTWARE	LICENSE FOR OS OVER LIFETIME OF EQUIPMENT TO BE GIVEN	1		STANDARD								
34	ACCESSORY	BATTERY	1		STANDARD								
35	CONSUMABLE	ULTRASOUND GEL	5 BOTTLES		STANDARD								
36	CONSUMABLE	PROBE COVERS	1 PACK		STANDARD								
37	ANY OTHER PART TO MAKE SYSTEM COMPLETE & WORKING		As required		STANDARD								
38	ANY ITEM, ACCESSORY, CONSUMABLE, CABLE, CONNECTOR, SOFTWARE, OR COMPONENT THAT IS PART OF THE SYSTEM AS PER TENDER REQUIREMENT		As required		STANDARD								

	S BUT NOT EXPLICITLY MENTIONED OR ITEMIZED IN THE BOQ SHALL BE DEEMED INCLUDED IN THE SCOPE OF SUPPLY AND MUST BE PROVIDED BY THE VENDOR WITHOUT ADDITIONAL COST. THE VENDOR MAY LIST SUCH ITEMS UNDER "STANDARD INCLUSIONS (NOT SEPARATELY CHARGED)" FOR DOCUMENTATION PURPOSES.											
						GRAND TOTAL:						
						REMARKS (VENDOR ARE REQUESTED TO MAP THEIR ITEMS IN THEIR PROFORMA INVOICE WITH ENCLOSED LINE ITEMS)	QUOTE REFERENCE:SN	QUOTE PAGE REFERENCE IF APPLICABLE)	UNIT PRICE	TOTAL COST FOR THE QUANTITY MENTIONED	GST %	TOTAL COST WITH GST
SNO	GROUP	ITEM NAME	QUANTITY	VENDOR CATALOGUE NUMBER	OPTIONAL							
1	OTHERS CAN BE ADDED											

Annexure 4: Checklist for Technical Bid to be completed and attached along with the tender submission

CHECKLIST FOR VENDOR BEFORE SENDING THE TECHNICAL BID			
Sl. No.	Checklist parameter	Yes/ No	Tender reference
1	A covering letter, compliance statement, and all pages of the tender document duly signed and sealed by the authorized signatory, as part of the tender compliance, must be enclosed with the technical bid.		

2	Availability of technical proposal need to be provided with separate sealed envelope, mentioning on its envelope IISc tender reference number (PLEASE DO NOT INCLUDE COMMERCIAL BID IN TECHNICAL ENVELOPE)		Section A - point 1
3	Availability of technical offer (without cost) with model number and make for the quoted model enclosed in technical bid.		Section A - point 1
4	Availability of the Declaration of warranty period (as required in tender) for the quoted model to be enclosed on the technical bid.		Section A - point 9
5	Availability of the technical compliance table with six columns for the quoted model to be enclosed on the technical bid. Please provide both pdf and worksheet like excel format		Section A - point 4
6	Availability of the technical compliance with datasheet and technical offer page number reference for the quoted model to be enclosed on the technical bid.		Section A - point 4. f
7	Availability of the quoted model technical advantage over comparable equipment from the competitor to be enclosed on the technical bid.		Section A - point 5
8	Availability of the scope of supply (BOQ) as per tender to be enclosed along with technical bid. Please provide both pdf and worksheet like excel format (Excluding cost)		
9	Availability of brochure and any supporting document to validate technical compliance for the quoted model enclosed in technical bid.		Section B - point 8
10	Availability of the technical datasheet for the quoted model, with the relevant specifications highlighted in reference to the Tender technical requirements, must be enclosed with the technical bid.		Section B - point 8
11	Availability of the regulatory certificate (like CDSCO/CE/FDA/ISO/AERB type approval where applicable) for the quoted model to be enclosed on the technical bid.		Section C-Point 17-i
12	Availability of the manufacturer authorization letter for the quoted model to be enclosed on the technical bid where applicable.		Section B - point 1
13	Availability of the list of installation sites with contact details for the quoted model to be enclosed on the technical bid.		Section B - point 5
14	Availability of the confirmation letter on 10 Years of spares support for the quoted model to be enclosed on the technical bid.		Section C - point 5.1
15	Availability of the Details of local service center with technical manpower for the quoted model to be enclosed on the technical bid.		Section C - point 17. f
16	Availability of the Power supply & environmental requirement details for the quoted model to be enclosed on the technical bid.		Section C - point 13. a
17	Availability of the deviation statement from tender terms (with justification) for the quoted model to be enclosed on the technical bid.		Section C - point 18. b

18	The soft copy of technical bid only in both excel and pdf format to be made available in pen drive for the quoted model and enclosed on the technical bid envelope. The pen drive to be labelled with tender reference number and vendor name		Section C - point 19
19	Any open recall or Field Safety Corrective Action (FSCA) associated with the quoted model shall be fully disclosed by the bidder in the technical bid submission.		Section C-Point 3.12
20	Note: Kindly index your technical bid considering the above-mentioned check sheet (not limited) preferably in spiral bound mentioning page number.		

Annexure 5: Checklist for Commercial Bid to be completed and attached along with the tender submission

Checklist for Commercial Bid		Yes/No	Remarks
Sl. No.	General Requirements		
1	Commercial offer should be in complete alignment with technical offer as mentioned in point no 3 of technical offer checklist		
2	Availability of commercial quote need to be provided with separate sealed envelope, mentioning on its envelope IISc tender reference number		
3	The scope of supply (BOQ) with commercial details should be in align with technical offer mentioned in point 8 of technical offer checklist		
4	The country of origin is clearly mentioned.		
5	Word "quote" should be mentioned in the first page instead of Proposal		
6	The quote should be signed and sealed. If a digital signature is used, it is clearly indicated		
7	The validity period of the quote is clearly mentioned		
8	Commercial Quote to be prepared on letter head of the company and it should include		
8.1	· Registered office address and billing address		
8.2	· Company GST number should be mentioned on the first page		
8.3	· Validity		
8.4	· Payment Terms – 70% payment on shipment, 20% payment after Installation & commissioning, and remaining 10 % on user satisfaction.		
8.5	· Warranty details		
8.6	· HSN code of items: Each item shall be listed with its HSN code along with supporting document/literature clarifying the HSN classification.		
9	The total amount to be mentioned as unit price, GST percentage, Total price inclusive of tax, total price for total quantity mentioned in the tender)		
10	Breakup of cost to be given as annexure for all the line items and it should include:		
10.1	· Equipment cost- with GST		

10.2	· Accessories- with GST		
10.3	· Consumables- with GST		
10.4	· Other Items- with GST		
	(Tax should be clearly mentioned as IGST 18% or With CGST 9% and SGST 9% or as applicable)		
11	OEM certificate or Authorized distribution letter to be attached		
12	Additional documents required:		
12.1	List of critical spare parts and their estimated unit price. (Item cost should not exceed 30% of the total equipment value)		
12.2	Vendor shall provide a supporting document clearly specifying the AMC and CAMC rates as fixed absolute values per year for each of the nine (9) years after the warranty period.		
12.3	Rate Contract for 3 years from the date of supply / installation / commissioning, covering all system-specific consumables and accessories.		
12.4	Quotation for the one-time maintenance call cost (On call charges)		