Date: 30.01.26

Tender (Ref: IISc-Med-2025-26/G-50)

GLOBAL TENDER ENQUIRY

To Whom It May Concern

This Request for Quote (RFQ) invites proposals for the supply, installation, testing, commissioning, and user training of ultrasound systems

The **package** shall include a comprehensive range of high-end, intra-operative, and portable ultrasound systems suitable for use across Radiology, Preventive Health Check-ups, Obstetrics & Gynaecology, Assisted Reproductive Technologies (IVF), Surgery, Critical Care, and Cardiac Care.

The high-end ultrasound system shall provide advanced imaging performance including high-resolution B-mode, colour, power, and spectral Doppler, and application-specific imaging capabilities. The system shall support **Shear Wave Elastography and Contrast-Enhanced Ultrasound (CEUS)** for advanced tissue characterization, perfusion assessment, and research applications.

An **intra-operative ultrasound system** shall be provided for real-time imaging during surgical procedures. The system shall be compatible with sterile operating room workflows and support a range of intra-operative probes for accurate localization, assessment, and intra-procedural decision-making. A high-end intra-operative ultrasound system for surgery shall be included under this scope.

Portable/Handheld ultrasound systems shall be included for bedside and point-of-care imaging in ICU and emergency environments, featuring compact design, ease of mobility, rapid deployment, and high diagnostic image quality to support critical care workflows.

A portable ultrasound system for Cardiac Care Unit (CCU) use shall be provided with capability for integration with Electrophysiology (EP) systems as applicable, supporting real-time imaging guidance during cardiac and electrophysiology procedures and interoperability with relevant hospital systems.

The package shall additionally include:

Trans-Oesophageal Echocardiography (TEE) System for advanced cardiac imaging and peri-operative applications

Intra-Cardiac Echocardiography (ICE) System, including required consumables, for electrophysiology and structural heart interventions

All ultrasound systems supplied shall be provided with necessary probes, cables, mounts, batteries (where applicable), software licenses, and consumables. The systems shall be scalable and upgradeable to support future clinical, academic, and research requirements, with emphasis on image quality, clinical versatility, reliability, ergonomics, and operational efficiency.

At the **Indian Institute of Science (IISc)**, this ultrasound imaging package shall constitute an integral component of the Institute's **advanced clinical, translational research, and academic infrastructure**. The systems shall support high-quality diagnostics, interventional procedures, critical care applications, and research activities across disciplines. Vendors are requested to carefully consider the **institutional clinical objectives, research goals, and scope of work** while preparing their technical and commercial proposals.

Further details about IISc can be referred 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 **20th February 2026, Friday, 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, transhipment 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, labour, 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 parties 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	

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 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.
(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.
(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.
(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.)

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.

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.

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.

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.

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.

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.

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.

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 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

Sl No	TYPE 1-RADIOLOGY
A	General specification
1	The system shall be a top-of-the-line color Doppler ultrasound with real-time 2D Shear Wave Elastography capability.
2	The system shall support multiple imaging modes including B-Mode, M-Mode, Color 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. The bidder shall specify the number of parking ports (At least 2 shall be available)
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, Color 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 color-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. Hockey stick and 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. The bidder shall specify if system shall support upgradeability for paediatric applications
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 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 color box based on vessel detection and direction.
13	The system shall have advance AI algorithms to identify the organ and change the presets accordingly
14	The system shall be supplied with image management software providing professional reporting and image management functionality.
14.1	The software shall include advanced image review features and volume ultrasound post-processing tools.
14.2	The software shall enable automated data extraction, status updates, and performance dashboards.
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 9 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 8000 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)Color 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 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 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 4–10 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 Color 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 24 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 system shall have a minimum rating of IP20, ensuring 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.**

Sl No	**TYPE 2- MASTER HEALTH CHECKUP**

A	**General specification**
1	**The system shall be a top-of-the-line color Doppler ultrasound with real-time 2D Shear Wave Elastography capability.**
2	**The system shall support multiple imaging modes including B-Mode, M-Mode, Color 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 pin less probe ports, the bidder shall specify the number of parking ports (At least 2)**
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, Color 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 color-coded adjustable ROI box and a quality indicator for MSK, breast, abdomen and prostate. (The following probes support Shear Wave Elastography for Convex, Linear. Hockey stick and 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 shall be upgradable to Fusion/Volume Navigation, with built-in sensors and auto registration.**
8	**The system shall have Contrast Enhanced Ultrasound (CEUS) capability with Time Intensity Curve (TIC) graphs.**
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 color 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 more.
5	The bidder shall specify whether the system supports frame rate higher than 1800 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)Color 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 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 compatible 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 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 compatible with an adult cardiac phased array transducer within a frequency range of anywhere between 1–5 suitably optimized to ensure optimal image quality for adult echocardiography applications.
7	The system shall be compatible with a small-footprint high-frequency linear transducer within a frequency range of anywhere between 7–19 suitably optimized to ensure optimal image quality for small parts, superficial, and 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 system shall have a minimum rating of IP20, ensuring 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.

Sl No	TYPE 3-OBSTETRICS AND GYNAECOLOGY
A	General specification
1	The system shall be the latest state-of-the-art fully digital ultrasound equipment with a graphics-based beamformer capable of performing whole-body and OBS-GYN scanning procedures
2	The system shall include B-Mode (2D), conventional M-Mode with varying sweep rates, anatomical M-Mode, PW Doppler with high PRF, CW Doppler imaging, High PRF Doppler mode, Tissue Doppler (TD) mode, Color Flow Doppler (CFM), Power Doppler (PD), directional Power Doppler, Bidirectional flow Doppler mode, and Hemodynamic flow.
3	The system shall support Power Doppler Angio imaging for perfusion studies with visualization of flow in small vessels on all transducers.
4	The system shall have a minimum of 10,00,00,000 -digital-channel processing technology.
5	The system shall support volume imaging, multislice imaging with variable slice thickness, and multilane imaging across all 3D/4D modes.
6	The system shall support 3D/4D volume imaging using convex and EV probes in grayscale and color Doppler modes.
7	The system shall be capable of live 4D imaging with volume transducers in grayscale, color mode, harmonic mode, and contrast agent imaging, and shall support instant MPR rendering comparable to acquired 2D resolution.
8	The system shall provide elastography in strain mode with compression-level indicators and side-by-side display of 2D and elastogram images.
9	The system shall provide dynamic range, dynamic resolution, and tissue-specific optimization settings including color-coded parametric imaging.
10	The system shall offer a dynamic range of at least 350 dB with selectable dynamic contrast curves.
11	The system shall support a minimum 2D imaging depth of 40 cm.
12	The system shall support 256 discrete grayscale levels (8-bit).
13	The system shall support 16.8 million colors (24-bit).
14	The system shall support a 2D frame rate exceeding 3000 fps.
15	The system shall maintain equal IQ from near to far field.
16	The system shall provide real-time compounding with color and power Doppler imaging.
17	The system shall support multiple frequency selection to improve penetration, resolution, tissue differentiation, and contrast resolution.

18	The system shall support post-processing tools for annotation, measurement, angle correction, baseline adjustments, and sweep-speed adjustment on stored images.
19	The system shall support multivariate tissue harmonic imaging including pulse-inversion phase-cancellation and coded harmonics on all transducers.
20	The system shall operate with compound imaging and speckle-reduction algorithms.
21	The system shall provide one-touch tissue contrast resolution adjustment without altering preset levels.
22	The system shall incorporate AI-assisted imaging tools that enhance resolution, penetration and generate 3D-like border appearance in 2D images.
23	The system shall provide an AI-based virtual onboard expert to identify foetal anatomy on standard views and provide annotations/measurements.
24	The system shall include AI-enabled pelvic-floor anatomy analysis.
25	The system shall support automatic probe activation upon removal from the holder.
26	The system shall include predefined and optimized flow-profile settings for color and PW imaging with a 3D-like grayscale effect.
27	The system shall include a guided workflow for fetal heart normality identification.
28	The system shall allow obtaining the uterine coronal plane in 3 steps.
29	The system shall have an inbuilt gel warmer.
30	The system shall provide AI-based fibroid-mapping in 3D with FIGO classification.
31	The system shall automatically provide fetal heart rate.
32	The system shall include real-time compound imaging with a minimum of 9 transmitted lines of sight.
33	The system shall support real-time spatial compounding that operates concurrently with tissue harmonic imaging, panoramic imaging, volume imaging modes, duplex Doppler, and speckle-reduction imaging
34	The system shall include high-resolution speckle-reduction algorithms for fine tissue pattern detail and border definition.
35	The system shall operate in 2D, 2D/CD/Doppler mixed modes with 3D and contrast imaging.
36	The system shall support trapezoidal and steerable 2D/Color/Doppler imaging using linear probes.
37	The system shall support extended field-of-view imaging with real-time build-up visualization.
38	The system shall provide one-button auto-optimization for 2D and Doppler modes.
39	The system shall incorporate advanced pulse shaping, coded excitation, and harmonics for deep-patient and obese-patient imaging.
40	The system shall be a recently launched model, preferably within the last 2–3 years.
41	The system shall include a user-friendly interface for improved throughput.
42	The system shall include digital TGC with auto-TGC functionality.
43	The system shall support direct sharing of selected ultrasound images from the console to a smartphone.
44	The system shall be supplied with image management software providing professional reporting and image management functionality.
44.1	The software shall include advanced image review features and volume ultrasound post-processing tools.
44.2	The software shall enable automated data extraction, status updates, and performance dashboards.
B	System controls
1	The system shall include a minimum of 40 automated and user-programmable presets.
2	The system shall provide instant 2D optimization for various patient body types (thin/average/obese).
3	The system shall display live grey-scale image thumbnails in a clipboard while scanning.
4	The system shall support high-resolution pan and zoom in both live and frozen images.
5	The system shall support high-definition zoom up to at least 22×.
6	The system shall support cine-loop review up to at least 10 min / ~4000 images depending on settings.
7	The system shall support M-Mode motion time review up to at least 20 min.
8	The system shall support Doppler cine time up to at least 10 min.
9	The system shall support comprehensive post-processing including dynamic range, invert, baseline, sweep speed, and SRI adjustments in freeze mode.
10	The system shall support automatic Doppler trace analysis in real-time and retrospective mode with manual override.
11	The system shall include at least 8 calipers with depth information and customizable measurement/reporting packages across all clinical applications.

12	The system shall provide a measurement precision of at least 0.1 mm using micro-calipers for structures smaller than 5 mm.
13	The calipers shall offer variable contrast and curvature measurement options, along with a delete-last-measurement functionality for efficient workflow.
14	The system shall allow measurements to be performed in real time, on frozen images, and on stored/archived images.
15	The system shall store exam reports linked to patient data, retrievable and printable via laser printer.
16	The system shall support biopsy guides and clear needle-visualization algorithms for all transducers.
17	The system should have auto detection of fetal long bones and their measurement using volumetric imaging.
C	3D / 4D Mode
1	The system shall allow speed adjustment during volume imaging.
2	The system shall support different rendering directions to visualize volume data.
3	The bidder shall specify whether the system supports automated follicular quantification tools.
4	The system shall allow probe firing restricted to a selectable slice thickness.
5	The system shall allow selectable slice thickness from full volume datasets.
6	The system shall support 4D foetal echo in 2D + Color + Hemodynamic flow + Power Doppler.
7	The system shall support CFM + Bidirectional flow + CRI.
8	The bidder shall specify whether the system supports CRI + CFM or equivalent.
9	The bidder shall specify whether the system supports CRI + Bidirectional flow or equivalent.
10	The system shall support multislice cine viewing.
11	The bidder shall specify whether the system supports automated hypoechoic-area visualization with volume quantification.
12	The bidder shall specify whether the system allows simultaneous display of 3 orthogonal planes and 3D for needle guidance.
13	The bidder shall specify whether the system supports automated nuchal thickness measurement.
14	The system shall support auto 3D/4D one-touch rendering.
15	The system shall support advanced STIC with anatomical M-Mode.
16	The bidder shall specify whether the system supports a semi-automated NT measurement tool.
17	The bidder shall specify whether the system supports automated volumetric foetal-heart acquisition and strain-based contractility indices.
18	The bidder shall specify whether the system supports comprehensive foetal-cardiac size, shape, and contractility analysis tools.
19	The system shall support camera-zoom rendering and transparency control for enhanced soft-tissue delineation.
20	The system shall include all software for automated follicle count, cardiac views, biometry, virtual fetoscopy, HD transparency, advanced 4D, and simplified 3D acquisition.
21	The system shall support convex, linear, sector, volume, and matrix-array transducers by freehand/mechanical/electronic methods with real-time dual-plane display and tilting capability.
22	The system shall support 3D/4D image display.
D	Physical Dimensions
1	The equipment shall be a wheeled room-based unit with integrated brake and adjustable height monitor/control panel with removable holders.
2	The system shall include at least a 23″ HD monitor with FHD resolution ≥1920×1080 and articulating arm.
3	The monitor shall have tilt +25°/-75° (+/- 10 °) or more and ±90° rotation. (+/- 10 °) or more
4	The system shall provide digital brightness/contrast with at least 3 presets (dark/semi-dark/bright room).
5	The system shall include a ≥12″ context-sensitive touchscreen for workflow efficiency.
6	The system shall have a full size alphanumeric key board with interactive back - lighting.
7	The bidder shall specify whether the system has a full-size alphanumeric, backlit floating keyboard with adjustable tilt and height adjustment (available or not)
8	The system shall support a central 4-wheel brake with rear-directional lock.
9	The system shall include integrated recording keys for up to 4 DICOM/recording devices and one dedicated DVD-record key.
E	Image Storage, Documentation Devices and Connectivity Issues
1	The system shall allow digital storage of grey/color images (frozen & cine-loops).

2	The system shall support review/export in multiple formats.
3	The system shall allow recalled raw data to be post-processed with editable key imaging parameters.
4	The system shall include an integrated hard drive with a storage capacity of at least 1 TB.
5	The hard drive should be inbuilt.
6	The system shall store ≥10,000 images and ≥30 min cine loops.
7	The system shall allow sorting by patient/exam details and display network/archive status.
8	The bidder shall specify whether the system ensures less than 5% distortion in both on-screen display and hardcopy output (available or not).
9	The system shall support integrated CD/DVD burning, viewable on standard PCs.
10	The system shall allow simultaneous scanning and writing CD/DVD for previous patients.
11	The system shall allow archiving/retrieving stored exams from CD/DVD.
12	The CD/DVD drive shall support TIFF/JPG/AVI/DICOM/report export.
13	The system shall be DICOM 3.0 or higher with MWL, SR, and PACS connectivity ≥100 Mbps.
14	The system shall include ≥4 USB ports and USB storage media.
15	The system shall integrate into hospital PACS without additional cost.
16	The system shall include an inbuilt reporting package.
F	Transducers
1	The system's transducers shall be broadband, incorporating low-loss lenses and an advanced beamformer.
2	The bidder shall provide specifications for each transducer, including model, footprint, bandwidth, imaging and Doppler frequency, field of view (FOV), and weight.
3	The system shall use lightweight transducers with flexible cables for ease of handling.
4	The system's biopsy guides shall be compatible with needles ranging from 24G to 16G.
5	The system's biopsy guides shall be compatible with transvaginal (TV) probe.
6	The system shall be supplied with a linear array transducer operating within a frequency range of anywhere between 2–14 MHz suitably optimized to ensure optimal image quality for breast, superficial pelvic lesions, and 1st trimester scan.
7	The system shall be supplied with a curved array transducer operating within a frequency range of anywhere between 1–7 MHz suitably optimized to ensure optimal image quality for routine OB, foetal anatomy, and placenta scan.
8	The system shall be supplied with a 3D/4D TV/TR endocavitary transducer operating within a frequency range of anywhere between 2–10 MHz suitably optimized to ensure optimal image quality for early pregnancy, pelvic imaging including pelvic floor assessment, Uterus, ovaries, and infertility workup. (FOV - at least 200 Degree, Footprint Size - less than 25 X 25mm)
9	The system shall be supplied with a high-frequency convex transducer operating within a frequency range of anywhere between 1–9 MHz suitably optimized to ensure optimal image quality for Advanced foetal cardiac imaging.
10	The system shall be supplied with a 3D/4D convex transducer operating within a frequency range of anywhere between 1–8 MHz suitably optimized to ensure optimal image quality for fetal face, limbs, volume rendering, and narrow intercostal scans.
G	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 system shall have a minimum rating of IP20, ensuring 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.

Sl No	TYPE 4-IN VITRO FERTILIZATION
A	General specification
1	The system shall be the latest state-of-the-art fully digital ultrasound equipment with an Advanced-based beamformer capable of performing whole-body and IVF scanning procedures
2	The system shall include B-Mode (2D), conventional M-Mode with varying sweep rates, anatomical M-Mode, PW Doppler with high PRF, CW Doppler imaging, High PRF Doppler mode, Tissue Doppler (TD) mode, Color Flow

	Doppler (CFM), Power Doppler (PD), directional Power Doppler, Bidirectional flow Doppler mode, and Hemodynamic flow.
3	**The system shall support Power Doppler Angio imaging for perfusion studies with visualization of flow in small vessels on all transducers.**
4	**The system shall have more than 80,00,000 -digital-channel processing technology.**
5	**The system shall support volume imaging, multislice imaging with variable slice thickness, and multilane imaging across all 3D/4D modes.**
6	**The system shall support 3D/4D volume imaging using convex and Volume probes in grayscale and color Doppler modes.**
7	**The system shall be capable of live 4D imaging with volume transducers in grayscale, color mode, harmonic mode, and contrast agent imaging, and shall support instant MPR rendering comparable to acquired 2D resolution.**
8	**The system shall provide elastography in strain mode with compression-level indicators and side-by-side display of 2D and elastogram images.**
9	**The system shall provide dynamic range, dynamic resolution, and tissue-specific optimization settings including color-coded parametric imaging.**
10	**The system shall offer a dynamic range of at least 350 dB with selectable dynamic contrast curves.**
11	**The system shall support a minimum 2D imaging depth of 40 cm.**
12	**The system shall support 256 discrete grayscale levels (8-bit).**
13	**The system shall support 16.8 million colors (24-bit).**
14	**The system shall support a 2D frame rate exceeding 3000 fps.**
15	**The system shall maintain equal IQ from near to far field.**
16	**The system shall provide real-time compounding with color and power Doppler imaging.**
17	**The system shall support multiple frequency selection to improve penetration, resolution, tissue differentiation, and contrast resolution.**
18	**The system shall support post-processing tools for annotation, measurement, angle correction, baseline adjustments, and sweep-speed adjustment on stored images.**
19	**The system shall support multivariate tissue harmonic imaging including pulse-inversion phase-cancellation and coded harmonics on all transducers.**
20	**The system shall operate with compound imaging and speckle-reduction algorithms.**
21	**The system shall provide one-touch tissue contrast resolution adjustment without altering preset levels.**
22	**The system shall provide a guided, automated workflow that standardizes foetal cardiac image orientation and automatically generates all essential nine (9) standard foetal heart views from a single 3D/4D volume acquisition, requiring no more than two user interaction steps.**
23	**The system shall provide an AI-based virtual onboard expert to identify foetal anatomy on standard views and provide annotations/measurements.**
24	**The system shall include AI-enabled pelvic-floor anatomy analysis.**
25	**The system must offer compatibility to Wireless probes, a new reality with the wireless dual curved and linear probe. it must seamlessly integrate into the system and can be easily charged while not in use**
26	**The system shall include predefined and optimized flow-profile settings for color and PW imaging with a 3D-like grayscale effect.**
27	**The system shall include a guided workflow for fetal heart normality identification.**
28	**The system shall allow obtaining the uterine coronal plane in 3 steps.**
29	**The bidder shall specify whether the system is equipped with an inbuilt gel warmer.**
30	**The system shall provide AI-based fibroid-mapping in 3D with FIGO classification.**
31	**The system shall automatically provide fetal heart rate.**
32	**The system shall include real-time compound imaging with a minimum of 9 transmitted lines of sight.**
33	**The system shall support real-time spatial compounding that operates concurrently with tissue harmonic imaging, panoramic imaging, volume imaging modes, duplex Doppler, and speckle-reduction imaging**
34	**The system shall include high-resolution speckle-reduction algorithms for fine tissue pattern detail and border definition.**
35	**The system shall operate in 2D, 2D/CD/Doppler mixed modes with 3D and contrast imaging.**
36	**The system shall support trapezoidal and steerable 2D/Color/Doppler imaging using linear probes.**
37	**The system shall support extended field-of-view imaging with real-time build-up visualization.**
38	**The system shall provide one-button auto-optimization for 2D and Doppler modes.**
39	**The system must offer 70 minutes battery operation as well apart from the normal power connectivity for better movability at emergency within the hospital and OT.**

40	The system shall be a recently launched model, preferably within the last 2–3 years.
41	The system shall include a user-friendly interface for improved throughput.
42	The system shall include digital TGC with auto-TGC functionality.
43	The system shall be supplied with image management software providing professional reporting and image management functionality.
44	The system shall support direct sharing of selected ultrasound images from the console to a smartphone.
45	The software shall include advanced image review features and volume ultrasound post-processing tools.
46	The software shall enable automated data extraction, status updates, and performance dashboards.
B	System controls
1	The system shall include a minimum of 40 automated and user-programmable presets.
2	The system shall provide instant 2D optimization for various patient body types (thin/average/obese).
3	The system shall display live grey-scale image thumbnails in a clipboard while scanning.
4	The system shall support high-resolution pan and zoom in both live and frozen images.
5	The system shall support high-definition zoom up to at least 22×.
6	The system shall support cine-loop review up to at least 10 min / ~4000 images depending on settings.
7	The system shall support M-Mode motion time review up to at least 20 min.
8	The system shall support Doppler cine time up to at least 10 min.
9	The system shall support comprehensive post-processing including dynamic range, invert, baseline, sweep speed, and SRI adjustments in freeze mode.
10	The system shall support automatic Doppler trace analysis in real-time and retrospective mode with manual override.
11	The system shall include at least 8 calipers with depth information and customizable measurement/reporting packages across all clinical applications.
12	The system shall provide a measurement precision of at least 0.1 mm using micro-calipers for structures smaller than 5 mm.
13	The calipers shall offer variable contrast and curvature measurement options, along with a delete-last-measurement functionality for efficient workflow.
14	The system shall allow measurements to be performed in real time, on frozen images, and on stored/archived images.
15	The system shall store exam reports linked to patient data, retrievable and printable via laser printer.
16	The system shall support biopsy guides and clear needle-visualization algorithms for all transducers.
C	3D / 4D Mode
1	The system shall allow speed adjustment during volume imaging.
2	The system shall support different rendering directions to visualize volume data.
3	The system shall allow probe firing restricted to a selectable slice thickness.
4	The system shall allow selectable slice thickness from full volume datasets.
5	The system shall support 4D foetal echo in 2D + Color + Hemodynamic flow + Power Doppler.
6	The system shall support CFM + Bidirectional flow + CRI.
7	The bidder shall specify whether the system has CRI + CFM or equivalent technology or not.
8	The bidder shall specify whether the system has CRI + Bidirectional flow or equivalent or equivalent technology or not.
9	The system shall support multislice cine viewing.
10	The system shall allow simultaneous display of 3 orthogonal planes and 3D for needle guidance.
11	The system shall support auto 3D/4D one-touch rendering.
12	The system shall support advanced STIC with anatomical M-Mode.
13.1	The system shall incorporate Artificial Intelligence (AI)–based functionality to analyse acquired images or live views by comparing them against expert-accepted standard clinical criteria, ensuring compliance with established imaging standards.
13.2	The AI solution shall assist in enhancing diagnostic accuracy and image quality by providing anatomy reference diagrams and the ability to insert representative image examples for comparison and guidance.
13.3	The system shall function as a virtual onboard expert, capable of automatically identifying relevant foetal anatomy on standard imaging views using AI-driven recognition algorithms.
13.4	The system shall enhance workflow efficiency by automatically adding annotations and relevant measurements to the acquired images, reducing operator dependency.

13.5	The system shall support teaching and training applications, allowing users to review imaging performance against predefined quality benchmarks.
13.6	The system shall enable monitoring and tracking of imaging quality over time for quality assurance purposes, ensuring consistency and adherence to the highest imaging standards.
13.7	The solution shall support efficiency improvements in routine second-trimester examinations, with demonstrated potential to reduce examination time when compared to conventional workflows.
14	The System should have probe compatibility With High frequency Matrix technology linear probe need to be shown on the company product data sheet.
15	The system shall include all software for automated follicle count, cardiac views, biometry, virtual fetoscopy, HD transparency, advanced 4D, and simplified 3D acquisition.
16	The system shall support convex, linear, sector, volume, and matrix-array transducers by freehand/mechanical/electronic methods with real-time dual-plane display and tilting capability.
17	The system shall support 3D/4D image display.
D	Physical Dimensions
1	The system shall be a wheeled room-based unit with integrated brake and adjustable height monitor/control panel with removable holders.
2	The system shall include at least a 23″ HD medical grade monitor with FHD resolution ≥1920×1080 and articulating arm.
3	The monitor shall have tilt +25°/-75° (+/- 10 °) or more and ±90° rotation. (+/- 10 °) or more
4	The system shall provide digital brightness/contrast with at least 3 presets (dark/semi-dark/bright room).
5	The system shall include a ≥12″ context-sensitive touchscreen for workflow efficiency.
6	The system shall have a full size alphanumeric key board with interactive back - lighting.
7	The bidder shall specify whether the system has a full-size alphanumeric, backlit floating keyboard with adjustable tilt and height adjustment (available or not)
8	The system shall support a central 4-wheel brake with rear-directional lock.
9	The system shall include integrated recording keys for up to 4 DICOM/recording devices and one dedicated DVD-record key.
E	Image Storage, Documentation Devices and Connectivity Issues
1	The system shall allow digital storage of grey/color images (frozen & cine-loops).
2	The system shall support review/export in multiple formats.
3	The system shall allow recalled raw data to be post-processed with editable key imaging parameters.
4	The system shall include an integrated hard drive with a storage capacity of at least 500 GB.
5	The hard drive shall be inbuilt.
6	The system shall store ≥10,000 images and ≥30 min cine loops.
7	The system shall allow sorting by patient/exam details and display network/archive status.
8	The bidder shall specify whether the system ensures less than 5% distortion in both on-screen display and hardcopy output (available or not).
9	The system shall support integrated CD/DVD burning, viewable on standard PCs.
10	The system shall allow simultaneous scanning and writing CD/DVD for previous patient.
11	The system shall allow archiving/retrieving stored exams from CD/DVD.
12	The CD/DVD drive shall support TIFF/JPG/AVI/DICOM/report export.
13	The system shall be DICOM 3.0 or higher with MWL, SR, and PACS connectivity ≥100 Mbps.
14	The system shall include ≥4 USB ports and USB storage media.
15	The system shall integrate into hospital PACS without additional cost.
16	The system shall include an inbuilt reporting package.
F	Transducers and Biopsy Attachments
1	The system's transducers shall be broadband, incorporating low-loss lenses and an advanced beamformer.
2	The vendor shall provide specifications for each transducer, including model, footprint, bandwidth, imaging and Doppler frequency, field of view (FOV), and weight.
3	The system shall use lightweight transducers with flexible cables for ease of handling.
4	The system's biopsy guides shall be compatible with needles ranging from 24G to 16G.
5	The system shall be supplied with a 2D TV endocavitary transducer operating within a frequency range of anywhere between 2–11 MHz suitably optimized to ensure optimal image quality for follicular monitoring, and endometrium assessment. (FOV - at least 185 Degree or more, Footprint Size - less than 22 X 20mm)

6	The system shall be supplied with a 4D TV endocavitary transducer operating within a frequency range of anywhere between 2–10 MHz suitably optimized to ensure optimal image quality for Uterine cavity, septum, implantation planning, Detailed ovarian & uterine imaging. (FOV - at least 185 Degree or more, Footprint Size - less than 23 X 23mm)
7	The system shall be supplied with a 2D convex transducer operating within a frequency range of anywhere between 1–7 MHz suitably optimized to ensure optimal image quality for abdominal scan, and difficult ovaries.
8	The system shall be supplied with a 4D convex transducer operating within a frequency range of anywhere between 2–6 MHz suitably optimized to ensure optimal image quality for Uterus, ovaries, infertility workup, and 1st trimester scan.
G	System Support / Clinical Application
1	The system shall support female infertility imaging, including follicular growth monitoring and ovulation detection.
2	The system shall support endometrial assessment, including evaluation of endometrial thickness, pattern, and receptivity.
3	The system shall support ovarian reserve assessment, including antral follicle count (AFC).
4	The system shall support uterine pathology imaging, including detection of fibroids, polyps, and intrauterine adhesions.
5	The system shall support vascular assessment, including uterine artery Doppler evaluation with RI and PI measurements.
6	The system shall support IVF / ICSI procedures, including cycle monitoring and ultrasound-guided oocyte retrieval.
7	The system shall support early pregnancy imaging, including confirmation of pregnancy and viability assessment.
8	The system shall optionally support male infertility assessment, including testicular volume measurement and varicocele evaluation.
H	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 system shall have a minimum rating of IP20, ensuring 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 5-CARDIOLOGY -PORTABLE
1	The system shall be a fully digital, state-of-the-art Color Doppler ultrasound system, lightweight, weighing less than 5 kg including the battery pack.
2	The system shall support imaging modes including 2D, M-Mode, Color 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.
7	The system shall have a minimum of 8 lakh (800,000) 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 touch-screen monitor of at least 15 inches or more.
12	The system shall include an artefact 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, Color, and Physio controls.
17	The system shall allow post-processing of stored images including gain (overall, TGC, LGC), compress, grey map, 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 color image post-processing controls including gain, baseline, color 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 with onboard quantification of velocity, strain, and strain rate from tissue Doppler loops.
21	The system shall be upgradeable to speckle-tracking or 2D-based strain quantification mode.
22	The system shall support transfer of 2D datasets through DICOM to a remote workstation for off-line quantification including 2D-based strain.
22.1	Confirmation of this capability shall be provided in the technical bid.
23	The system shall include a single-click Auto-EF feature to automatically detect and track LV endocardial borders to calculate LV diastolic and systolic volumes and ejection fraction (EF).
24	The system shall have single-touch strain/GLS measurement for LV (Left Ventricle).
25	The system shall have single-touch Auto EF measurement capability.
26	The system shall include strain imaging for RV (Right Ventricle) and LA (Left Atrium) onboard.
27	The system shall be compatible with Intra-Cardiac Echocardiography (ICE) functionality.
28	The system shall support Transcranial Doppler (TCD) applications.
29	The system shall have a full-time input dynamic range of at least 250 dB.
30	The system shall include a hard drive capacity of at least 500 GB or more.
31	The system shall support an adult 3D/4D TEE probe.
32	The system shall support paediatric Z-scores.
33	The system shall support respiratory signal integration.
34	The system shall support imaging modes including Color Doppler, Power Doppler, Pulsed Wave Doppler (PW), Continuous Wave Doppler (CW), Split B/Color Mode, B Mode, Dual B Mode, B/M Mode, M Mode, Triplex Mode, Tissue Harmonic Imaging, Panoramic Imaging, and Trapezoidal Imaging.
35	The system shall support operative modes including B-Mode (2D), Colorized 2D, M-Mode and PW/CW, Color Flow Mapping (CFM), Power Doppler, and Directional Power Doppler.
36	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.
37	The system shall be supplied/compatible with probes as specified below.
37.1	The system shall be compatible with 2D adult TTE active matrix single-crystal phased array transducer within a frequency range of anywhere between 1–5 MHz suitably optimized to ensure optimal image quality for LV/RV function, tamponade, shock.
37.2	The system shall be compatible with adult volume TEE transducer within a frequency range of anywhere between 3–8 MHz suitably optimized to ensure optimal image quality for Post-CABG valve & ventricular assessment.
37.3	The system shall be compatible with linear probe with a broadband frequency range of 2–18 MHz suitably optimized to ensure optimal image quality for DVT, arterial/venous mapping, Central lines, graft Doppler, lung USG.
37.4	The system shall be compatible with 2D paediatric TEE transducer within a frequency range of anywhere between 3–10 MHz.
37.5	The system shall be compatible with paediatric cardiac probe within a frequency range of anywhere between 2–8 MHz suitably optimized to ensure optimal image quality for Pediatric Echo.
37.6	The system shall be compatible with neonatal cardiac probe within a frequency range of anywhere between 4–12 MHz suitably optimized to ensure optimal image quality for neonatal echo.
37.7	The system shall be compatible with curved array with frequency range of 1–7 MHz suitably optimized to ensure optimal image quality for Pleural effusion, abdomen, IVC.
37.8	The system shall be compatible with High-Frequency Linear with frequency range of 4–18 MHz suitably optimized to ensure optimal image quality for Graft patency, arterial lines.
38.1	The system shall be FDA / CE and CDSCO approved.
38.2	The equipment shall comply with IEC 60601-1 (electrical safety) and IEC 60601-1-2 (EMC compliance).
38.3	The system shall have a minimum rating of IP20, ensuring protection against solid objects and incidental contact.
38.4	The power cord shall comply with IS 1293:2019 and bear the ISI mark, be made of PVC with a temperature rating of 5°C to +70°C, be flexible, and typically range from 1.5 meters to 3 meters, with longer cords available as per

	requirement.

Sl No	TYPE 6-INTRA OP-PORTABLE USG(MULTISPECIALITY)
A	General specification
1	The system should have Ultra High-Resolution Imaging and Doppler for Clinical Needs
2	Should be of latest generation digital beam former technology.
3	Should have a graphic processing unit for faster work process.
4	Should have speckle reduction technology for enhancing tissue margins for better anatomical visualization and to improve better organ anatomy from different angles.
5	Should have at least 4 active transducer connectors.
6	The transducer should have a pin-less connector for easy insertion and to reduce noise.
7	The system should have an operating frequency range of 2 MHz to 15 MHz
8	The system should support a frame rate of ≥ 100 fps.
9	The system should have a dynamic range of ≥ 200 dB.
10	The system design should include a compact, mobile trolley with height adjustability and proper cable management.
11	The system should provide a digital video output for live feed to a laparoscopic display.
12	The system should support DICOM / HL7 interfaces.
13	The system should be compatible with approved contrast agents for contrast-enhanced imaging.
14	The system should be compatible with laparoscopic probe ports for laparoscopic ultrasound applications.
15	The system should include single-use sterile covers for all probes, along with the necessary sterile accessories if applicable.
B	Monitor and user interface
1	The system should have 19-inch monitor or better
2	The system should have a back illuminated keyboard for easy access.
3	The control panel should be sealed and spill proof for easy cleaning and disinfection.
4	The system should have a height adjustable mechanism with a control panel.
C	Features
1	The system should facility to compensate for the motion related imaging artefacts.
2	The system should have technology to maintain auto focus for the entire imaging depth.
3	The system should Encrypted DICOM capabilities for better data security
4	Quoted transducers should have programmable start, stop and switch between the transducer features.
5	The system should have a capability Prostate therapy, Surgical and other Customizable presets designed to quickly optimize the system for all clinical needs.
6	The system should be able to digitally integrate with auto registration with one of the Neuronavigation systems available in the market and Integration should allow display and navigation on Ultrasound Axial, Sagittal and Coronal sections.
7	The system should have a battery facility to quickly move between the OR's. It should provide at least 1 hour battery backup.
D	Optional and future upgradation features
1	The system should allow customization of brachy matrix that are available in the market.
2	Should have a wireless, sterilizable remote control to communicate with the system and control many of its functions and modes. This includes changing exam presets, adjusting scanning modes, modifying gain and depth, freezing, measuring, etc — all should operable seamlessly from within a sterile environment
3	System should have onsite upgradability provision to integrate MRI Fusion biopsy solutions with angle correction (Transrectal and Transperineal - without stepper)
E	Imaging modes
1	System should have following modes:
1.1	B mode

1.2	M Mode
1.3	Color Doppler
1.4	Power Doppler
1.5	Pulsed Wave Doppler
1.6	Continuous Wave Doppler
1.7	Tissue Harmonic Imaging
F	Storage
1	The system should have an internal hard drive of 500 GB to store images.
2	USB Flash memory drive should be the part of the system.
G	Transducers
1	Quoted transducers should be fully immersible including transducers connectors for easy sterilization and also should be compatible with standard sterilization methods.
G.1	Standard transducers
G.1.1	Laparoscopic transducer
1	A laparoscopic four-way deflectable convex array transducer with frequency 3 to 13 MHz or better which can be used through normal laparoscopic ports (10-12 mm). It should have an inbuilt biopsy channel for ultrasound guided laparoscopic ablations or biopsy. Should be fully immersible with connectors for easy sterilization and compatible with standard sterilization methods.
G.1.2	Robotic compatible transducer
2	An abdominal drop in transducer with convex array design should have frequency range from 4 to 12 MHz or better. The transducer should have a fin at the tip of the transducer to pick up the dropped Ultrasound transducer inside the abdominal cavity with Prograsper. The Ultrasound system should communicate with the surgical robot system and Ultrasound image should be seen on Tile Pro as Picture in Picture. The transducer should have been validated by surgical robot manufacturers available in the market to use it on their robotic system.
G.1.3	Urosurgery transducer
1	Transrectal transducer with simultaneous biplane imaging facility to visualize, sagittal as well as transverse planes of prostate gland simultaneously. The same transducer should have an endfire array for scanning the apical areas of the prostate during biopsy. The transducer should have a customizable start stop feature for freeze, unfreeze, print and switch between the transducer and plane functions. Should be fully immersible for easy sterilization and also compatible with standard sterilization methods. A biopsy attachment for side fire as well as endfire arrays to be supplied.
2	4 to 12 MHz or better Transrectal transducer should have a linear array for sagittal imaging of the prostate and a convex array for transverse imaging of the prostate with simultaneous biplane imaging capabilities to perform Transperineal prostate biopsies (with or without stepper) and for brachytherapy applications. Transducers should have a programmable start stop feature for freeze, unfreeze, print and switch between the transducer functions and change between Transverse and Sagittal planes. The transducer should be fully immersible for easy sterilization and also compatible with standard sterilization methods.
G.1.4	HBP and abdominal open surgery transducer
1	A simultaneous biplane imaging transducer with transverse and sagittal arrays for open surgery. Both arrays should be convex arrays and should be able to provide simultaneous biplane imaging during open surgeries for accurate needle placement during biopsies and ablation procedures. Should be quoted with biopsy attachment. Should be fully immersible for easy sterilization and also compatible with standard sterilization methods. Should be quoted as optional if available
G.1.5	Other transducer
1	2-6MHz or better convex abdominal transducer with an Autoclavable puncture attachment. The transducer should have a customizable start stop feature for freeze, unfreeze, print and switch between the transducer functions. Should be fully immersible for easy sterilization and also compatible with standard sterilization methods.
G.2	Optional transducers
G.2.1	HBP and abdominal open surgery transducer
1	5-10 MHz or better multi frequency intra-operative T shaped convex array transducer for Open surgery with excellent image quality, with high resolution and deep penetration. Capable of contrast imaging, which may be used to improve sensitivity and accuracy.

2	5-10 MHz or better multi frequency intra-operative I shaped convex array transducer with excellent image quality, with high resolution and deep penetration. Capable of contrast imaging, which may be used to improve sensitivity and accuracy. Should be quoted with biopsy attachment to perform biopsy or ablation. Should be fully immersible including connector of the transducer for easy Disinfection / Sterilization. Also, should be compatible with standard sterilization methods.
H	Others
1	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.
I	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 system shall have a minimum rating of IP20, ensuring protection against solid objects and incidental contact.

Sl No	TYPE 6.1-INTRA OP PORTABLE USG (MULTISPECIALITY WITH NEURO NAVIGATION)
A	General specification
1	The system should have High Resolution Imaging and Doppler for Intraoperative surgical guidance.
2	The system should be of latest generation digital beam former technology.
3	System should have dedicated auto optimized presets for Intraoperative Ultrasound applications i.e. Neurosurgery, Hepatobiliary and other Intraoperative applications
4	Should have speckle reduction technology for enhancing tissue margins for better anatomical visualization and to improve better organ anatomy from different angles.
5	Should have at least 4 active transducer connectors
6	The transducer should have a pin-less connector for easy insertion and to reduce noise.
7	The system should have an operating frequency range of 2 MHz to 15 MHz or better.
8	The system should support a frame rate of ≥ 100 fps.
9	The system should have a dynamic range of ≥ 200 dB.
10	The system design should include a compact, mobile trolley with height adjustability and proper cable management.
11	The system should provide a digital video output for live feed to a laparoscopic display.
12	The system should support DICOM / HL7 interfaces
13	The system should be compatible with approved contrast agents for contrast-enhanced imaging.
14	The system should be compatible with laparoscopic probe ports for laparoscopic ultrasound applications.
B	Monitor and user interface
1	19” or better monitor should be provided
2	The keyboard user interface should have at least 10’’ LCD display or better.
3	The keyboard user interface should be fully customizable and should have facility to add / remove necessary buttons to the display so that display looks simple for the operator.
4	The control panel should be sealed and spill proof for easy cleaning and disinfection.
5	The system should have the facility to create multiple user profiles.
6	The Keyboard user Interface should have a height adjustable mechanism.
C	Features
1	Should have facilities to compensate for the motion related imaging artefacts.
2	Should have technology to maintain auto focus for entire imaging depth.
3	Should have DICOM and WIFI capabilities.
4	Should have 3D freehand facility optionally.

5	Should have facility to allow comparison between previously stored image and live ultrasound image of the same exam, with the same image size.
6	Should allow you to choose up to four stored images to assess various views of Ultrasound images acquired during different stages of the procedure/surgery.
7	Should enable comparison between previously saved image or clip to live ultrasound image during the surgery.
8	The system should have a battery facility to quickly move between the OR's. It should provide at least 1-hour battery backup.
D	Optional features
1	Should have a wireless, sterilizable remote control to communicate with the system and control many of its functions and modes. This includes changing exam presets, adjusting scanning modes, modifying gain and depth, freezing, measuring, etc — all should be operable seamlessly from within a sterile environment.
E	Imaging modes
1	System should have following modes:
1.1	B mode
1.2	M Mode
1.3	Color Doppler
1.4	Power Doppler
1.5	Pulsed Wave Doppler
1.6	Continuous Wave Doppler
1.7	Tissue Harmonic Imaging
F	Storage
1	Should have an internal 500 GB hard drive to store images.
G	Transducers
1	Quoted transducers should be fully immersible including transducers connectors for easy sterilization and also should be compatible with standard sterilization methods.
G.1	Transducer for Neurosurgery
1	5-13MHz multi frequency convex transducer with small footprint suitable for scans after craniotomy. Should be supplied with disposable biopsy attachment. Transducers should have programmable start, stop and switch features.
2	5-11 MHz Burr Hole transducer, with small footprint. Should fit in a burr hole to be utilized during ventricular taping/shunt placement and spine studies. Should be supplied with disposable biopsy attachment. Transducers should have programmable start, stop and switch features.
3	6 to 15 MHz High frequency intra operative linear array transducer with deflectable tip for getting access to hard-to-reach areas. The tip should be deflectable to 0-, 30-, 60- and 90-degree positions. Should be compatible with all modern sterilization methods. Transducers should have programmable start and stop features.
G.1.1	Robotic surgery transducer software
1	An abdominal drop in transducer with convex array design should have frequency range from 4 to 12 MHz or better. The transducer should have a fin at the tip of the transducer to pick up the dropped Ultrasound transducer inside the abdominal cavity with Prograsper. Ultrasound systems should communicate with surgical robot systems and Ultrasound images should be seen on Picture in Picture activation software to be provided.
G.1.2	Laparoscopic transducer
1	A Laparoscopic four-way deflectable convex array transducer with frequency 3 to 13 MHz or better, it should go through a standard laparoscopic port (10-12 mm). It should have an inbuilt dual biopsy channel to allow the surgeon to choose preferred insertion angle on up to two needles. The transducer should have an inbuilt laser guide to guide the surgeon on needle placement during Laparoscopic Ultrasound guided biopsy / Ablation. A biopsy groove should facilitate easy removal and insertion of the transducer during biopsy / Ablation.
G.2	Optional transducers
G.2.1	Robotic surgery transducer

1	An abdominal drop in transducer with convex array design should have frequency range from 4 to 12 MHz or better. The transducer should have a fin at the tip of the transducer to pick up the dropped Ultrasound transducer inside the abdominal cavity with Prograsper. The Ultrasound system should communicate with the surgical robot system and the Ultrasound image should be seen on Tile Pro as Picture in Picture. The transducer should have been validated by surgical robot manufacturers available in the market to use it on their robotic system.
G.2.2	HBP and abdominal open surgery transducer
1	A simultaneous biplane imaging transducer with transverse and sagittal arrays for open surgery. Both arrays should be convex arrays and should be able to provide simultaneous biplane imaging during open surgeries for accurate needle placement during biopsies and ablation procedures. Should be quoted with biopsy attachment. Should be fully immersible for easy sterilization and also compatible with standard sterilization methods. Should be quoted as optional if available
2	5-10 MHz or better multi frequency intra-operative T shaped convex array transducer for Open surgery with excellent image quality, with high resolution and deep penetration. Capable of contrast imaging, which may be used to improve sensitivity and accuracy.
3	5-10 MHz or better multi frequency intra-operative I shaped convex array transducer with excellent image quality, with high resolution and deep penetration. Capable of contrast imaging, which may be used to improve sensitivity and accuracy. Should be quoted with biopsy attachment to perform biopsy or ablation. Should be fully immersible including connector of the transducer for easy Disinfection / Sterilization. Also, should be compatible with standard sterilization methods.
G.2.3	Other transducer
1	2-6MHz or better convex abdominal transducer with an Autoclavable puncture attachment. The transducer should have a customizable start stop feature for freeze, unfreeze, print and switch between the transducer functions. Should be fully immersible for easy sterilization and also compatible with standard sterilization methods.
H	Others
1	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.
I	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 system shall have a minimum rating of IP20, ensuring protection against solid objects and incidental contact.

Sl No	TYPE 7-ICU PORTABLE
1	The system shall be a fully digital, state-of-the-art Color Doppler ultrasound system, lightweight, weighing less than 8 kg including the battery pack.
2	The system shall support imaging modes including 2D, M-Mode, Color 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.
7	The system shall have a minimum of 8 lakh (800,000) 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, Color, 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 color image post-processing controls including gain, baseline, color 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.
25	The system shall support imaging modes including Color Doppler, Power Doppler, Pulsed Wave Doppler (PW), Continuous Wave Doppler (CW), Split B/Color 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), Colorized 2D, M-Mode and PW/CW, Color 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 a linear probe with buttons for usage in sterile zones with a broadband frequency range of 4–12 MHz.
28.5	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 system shall have a minimum rating of IP20, ensuring protection against solid objects and incidental contact.

Sl No	TYPE 8.1-Portable / Handheld Point-of-Care Ultrasound System for cardiac
1	The system shall be portable and mobile, preferably a handheld point-of-care ultrasound device.
2	The system shall be pocket-sized, wireless, and Bluetooth enabled.
3	The system shall allow easy pairing and connectivity with external devices.
4	The system shall be compatible with both iOS and Android operating systems.
5	The system shall incorporate a single crystal with beamforming technology with at least 125 physical channels for improved image quality.
6	The system shall be lightweight, weighing less than 300 grams.

7	The system shall be battery operated.
8	The system shall provide a minimum battery backup of at least 45 minutes for mobile use within hospital premises.
9	The system shall be capable of displaying anatomical structures in real time using black-and-white (B-mode) imaging.
10	The system shall support color-coded Doppler imaging for real-time blood flow visualization.
11	The probe shall include integrated control buttons to perform functions such as freeze and store.
12	The system shall provide auto-optimization in 2D imaging mode.
13	The system shall include a selectable focal zone marker.
14	The system shall allow wireless display of images on an external screen of up to 20 cm.
15	The system shall support both portrait and landscape display modes on the connected external device.
16	The system shall allow adjustment of gain and depth in 2D and color imaging modes using the externally connected device.
17	The system shall provide image control with selectable TGC, including at least six depth-dependent gain controls.
18	The system shall support abdominal imaging applications.
18.1	The system shall support vascular imaging applications.
18.2	The system shall support peripheral vascular imaging applications.
18.3	The system shall support musculoskeletal imaging, including conventional and superficial applications.
18.4	The system shall support imaging of small organs.
18.5	The system shall support ophthalmic imaging applications.
18.6	The system shall support paediatric imaging applications.
18.7	The system shall support neonatal cephalic imaging.
18.8	The system shall support procedural guidance applications.
18.9	The system shall support foetal and obstetric imaging.
18.1	The system shall support gynaecological imaging.
18.11	The system shall support urology imaging.
18.12	The system shall support thoracic and lung imaging.
18.13	The system shall support cardiac imaging applications.
18.14	The system shall support interventional guidance, including free-hand needle or catheter placement, fluid drainage, nerve block, vascular access, and biopsy procedures.
19	The system shall provide a field of view of approximately 60 degrees.
20	The system shall support a maximum imaging depth of up to 24 cm.
21	The system shall store data in generic formats with separate folders for still images and cine loops locally on the display device.
22	The system shall store still images in JPEG format.
23	The system shall store cine loops in MP4 or equivalent standard video format.
24	The system shall allow easy transfer of stored data to other applications or external devices.
25	The system shall be rugged and capable of withstanding accidental drops from a height of at least one meter.
26	The system shall have a minimum ingress protection rating of IP67.
27	The system shall be supplied with a phased array transducer probe.
27.1	The phased array probe shall operate within a frequency range of 2–4 MHz.
27.2	The phased array probe shall support a maximum imaging depth of up to 22 cm or better.
28	The system shall be supplied with a linear transducer probe.
28.1	The linear probe shall operate within a frequency range of 3–12 MHz.
28.2	The linear probe shall support a maximum imaging depth of up to 8 cm.
28.3	The linear probe shall include approximately 180 or more elements integrated on a single transducer.
28.4	The system shall have a dual-head configuration.
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 system shall have a minimum rating of IP20, ensuring protection against solid objects and incidental contact.

Sl No	TYPE 8.2-Portable / Handheld Point-of-Care Ultrasound System
1	The system shall be portable and mobile, preferably a handheld point-of-care ultrasound device.
2	The system shall be pocket-sized, wireless, and Bluetooth enabled.
3	The system shall allow easy connection and pairing with external devices.
4	The system shall be compatible with both iOS and Android operating systems.
5	The system shall incorporate beamforming technology with at least 125 physical channels for improved image quality.
6	The system shall be lightweight, weighing less than 300 grams.
7	The system shall be battery operated.
8	The system shall provide a minimum battery backup of at least 45 minutes for mobile use within hospital premises.
9	The system shall be capable of displaying anatomical structures in real time using black-and-white (B-mode) imaging.
10	The system shall support color-coded Doppler imaging for real-time blood flow visualization.
11	The probe shall include integrated control buttons to perform functions such as freeze and store.
12	The system shall provide auto-optimization in 2D imaging mode.
13	The system shall include a selectable focal zone marker.
14	The system shall allow wireless display of images on an external screen of up to 20 cm.
15	The system shall support both portrait and landscape display modes on the connected external device.
16	The system shall allow adjustment of gain and depth in 2D and color imaging modes using the externally connected device.
17	The system shall provide image control with selectable TGC, including at least six depth-dependent gain controls.
18	The system shall support abdominal imaging applications.
18.1	The system shall support vascular and peripheral vascular imaging applications.
18.2	The system shall support musculoskeletal imaging, including conventional and superficial applications.
18.3	The system shall support imaging of small organs.
18.4	The system shall support ophthalmic imaging applications.
18.5	The system shall support paediatric imaging applications.
18.6	The system shall support neonatal cephalic imaging.
18.7	The system shall support procedural guidance applications.
18.8	The system shall support foetal and obstetric imaging.
18.9	The system shall support gynaecological imaging applications.
18.1	The system shall support urology imaging applications.
18.11	The system shall support thoracic and lung imaging.
18.12	The system shall support cardiac imaging applications.
18.13	The system shall support interventional guidance, including free-hand needle or catheter placement, fluid drainage, nerve block, vascular access, and biopsy procedures.
19	The system shall provide a field of view of approximately 60 degrees.
20	The system shall support a maximum imaging depth of up to 24 cm.
21	The system shall store data in generic formats with separate folders for still images and cine loops locally on the display.
22	The system shall store still images in JPEG format.
23	The system shall store cine loops in MP4 or equivalent standard video format.
24	The system shall allow easy transfer of stored data to other applications or external devices.

25	The system shall support mandatory free application and software updates through iOS App Store or Android Play Store when available.
26	The system shall be rugged and capable of withstanding accidental impact or drops from a height of at least one meter.
27	The system shall have a minimum ingress protection rating of IP67.
28	The system shall be supplied with a curved array transducer probe.
28.1	The curved array probe shall operate within a frequency range of 2–5 MHz.
28.2	The curved array probe shall support a maximum imaging depth of up to 22 cm.
28.3	The curved array probe shall include approximately 125 elements.
29	The system shall be supplied with a linear transducer probe.
29.1	The linear probe shall operate within a frequency range of 3–12 MHz.
29.2	The linear probe shall support a maximum imaging depth of up to 8 cm.
29.3	The linear probe shall include approximately 180 elements integrated on a single transducer.
29.4	The system shall have a dual-head configuration.
30	Certifications
30.1	The system should be FDA/ CE and CDSCO
31.2	The equipment must comply with IEC 60601-1 (electrical safety) and IEC 60601-1-2 (EMC compliance)
31.3	The system shall have a minimum rating of IP20, ensuring protection against solid objects and incidental contact.

Sl No	Type 9: Enterprise Ultrasound Reporting, Archival & Integration System with Advanced Reporting Software for Radiology, Obstetrics & Gynaecology, Maternal–Fetal Medicine, IVF, and Cardiology Applications
1.1	Shall comprise a central server architecture with support for multiple concurrent user workstations.
1.2	Shall provide structured ultrasound reporting for Radiology, Obstetrics & Gynaecology, Maternal–Fetal Medicine, Women's Health, IVF-related ultrasound workflows, Cardiology, and Point-of-Care Ultrasound (POCUS).
1.3	Shall enable centralized examination documentation, image acquisition linkage, storage, retrieval, and comprehensive report management.
1.4	Shall support seamless integration with hospital information systems including PACS, RIS, HIS, and EMR using standard DICOM and HL7 communication protocols.
1.5	Please specify: Whether the system is compatible and interoperable with ultrasound systems from multiple manufacturers
1.6	Shall support end-to-end clinical workflows for obstetric, fetal, women's health, IVF ultrasound, radiology, cardiology, and bedside ultrasound applications.
1.7	Shall include advanced cardiology and echocardiography reporting with structured measurements, calculations, and standardized reporting templates.
1.8	Shall support two-dimensional, three-dimensional, and four-dimensional echocardiography analysis and post-processing within the system.
1.9	Shall support adult and pediatric echocardiography, transesophageal echocardiography, myocardial strain analysis, and structural heart assessments.
1.1	Shall include analytics and statistical tools for examination volumes, reporting turnaround time, workflow efficiency, and data analysis.
1.11	Please specify if system is capable of functioning as a standalone archive for ultrasound images and reports, independent of an enterprise PACS, if required.

	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 shall supply middleware for integrating medical equipment with the hospital EMR for interoperability & shall be included in the scope of supply, as applicable**
3	**The vendor shall list the availability of AI features to enhance workflows 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 Probes, 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.**

ANNEXURE II-SCOPE OF SUPPLY (FOR TECHNICAL BID)

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)
1	HARDWARE	RADIOLOGY ULTRASOUND SYSTEM – COLOR DOPPLER WITH SHEAR WAVE ELASTOGRAPHY	2		STANDARD			
2	HARDWARE	CONVEX ARRAY (ABDOMINAL) – 1–7 MHZ; ABDOMEN, LIVER, OB, GYN WITH ALL APPLICATION LICENSE FOR LIFETIME	2		STANDARD			
3	HARDWARE	LINEAR ARRAY 2-14 MHZ; VASCULAR, MSK, THYROID, BREAST WITH ALL APPLICATION LICENSE FOR LIFETIME	2		STANDARD			
4	HARDWARE	PHASED ARRAY (CARDIAC) – 1–5 MHZ; ADULT CARDIOLOGY WITH ALL APPLICATION LICENSE FOR LIFETIME	2		STANDARD			
5	HARDWARE	ENDOCAVITARY (TV/TR) – 2–11 MHZ; TRANSVAGINAL / TRANSRECTAL WITH ALL APPLICATION LICENSE FOR LIFETIME	2		STANDARD			
6	HARDWARE	MICRO-CONVEX – 3–10 MHZ; PEDIATRIC, INTERCOSTAL WITH ALL APPLICATION LICENSE FOR LIFETIME	2		STANDARD			
7	HARDWARE	PEDIATRIC PHASED ARRAY – 2–8 MHZ; PEDIATRIC ECHO WITH ALL APPLICATION LICENSE FOR LIFETIME	2		STANDARD			
8	HARDWARE	HIGH FREQUENCY LINEAR – 3-22 MHZ; MSK, SMALL PARTS WITH ALL APPLICATION LICENSE FOR LIFETIME	2		STANDARD			

9	HARDWARE	HOCKEY STICK – 3–24 MHZ; SUPERFICIAL MSK, SURGERY WITH ALL APPLICATION LICENSE FOR LIFETIME	2		STANDARD			
10	HARDWARE	INTEGRATED CART/TROLLEY	2		STANDARD			
11	HARDWARE	MULTI-BEAM / PARALLEL PROCESSING	2		STANDARD			
12	HARDWARE	GEL WARMER	2		STANDARD			
13	SOFTWARE	IMAGE MANAGEMENT SOFTWARE WITH PROFESSIONAL REPORTING AND STRUCTURED EXAM DOCUMENTATION	2		STANDARD			
14	SOFTWARE	ADVANCED IMAGE REVIEW TOOLS INCLUDING CINE REVIEW, MEASUREMENT EDITING, AND ANNOTATION	2		STANDARD			
15	SOFTWARE	VOLUME ULTRASOUND POST-PROCESSING TOOLS (MPR, RENDERING, CROPPING, ROTATION)	2		STANDARD			
16	SOFTWARE	PATIENT-BASED ARCHIVE WITH LONGITUDINAL EXAM COMPARISON	2		STANDARD			
17	SOFTWARE	SIDE-BY-SIDE AND QUAD-VIEW COMPARISON DURING LIVE AND ARCHIVED REVIEW	2		STANDARD			
18	SOFTWARE	AUTOMATED LESION / CYST MEASUREMENT (MANUAL OVERRIDE AVAILABLE)	2		STANDARD			
19	SOFTWARE	AI-ASSISTED DOPPLER AUTOMATION (AUTO COLOR BOX PLACEMENT BASED ON VESSEL DETECTION)	2		STANDARD			
20	SOFTWARE	AI-BASED ORGAN RECOGNITION WITH AUTOMATIC PRESET SELECTION	2		STANDARD			
21	SOFTWARE	COMPREHENSIVE CALCULATION PACKAGES FOR OB/GYN, ABDOMINAL AND VASCULAR APPLICATIONS	2		STANDARD			
22	SOFTWARE	CEUS ANALYSIS PACKAGE INCLUDING TIME INTENSITY CURVE (TIC) GENERATION	2		STANDARD			

23	SOFTWARE	SHEAR WAVE ELASTOGRAPHY ANALYSIS PACKAGE:	2		STANDARD			
24	SOFTWARE	LIVER STEATOSIS QUANTIFICATION SOFTWARE (ADULT POPULATION)	2		STANDARD			
25	SOFTWARE	MICROVASCULAR FLOW VISUALIZATION SOFTWARE (NON-DOPPLER BASED)	2		STANDARD			
26	SOFTWARE	DICOM APPLICATION SOFTWARE (STORE, PRINT, WORKLIST, QUERY/RETRIEVE, MPPS)	2		STANDARD			
27	SOFTWARE	POST-PROCESSING SOFTWARE FOR ADJUSTMENT OF GAIN, DR, GRAY MAP, DOPPLER PARAMETERS ON STORED DATA	2		STANDARD			
28	SOFTWARE	NEEDLE ENHANCEMENT	2		STANDARD			
29	SOFTWARE	AUTO LESION BOUNDARY TRACING	2		STANDARD			
30	SOFTWARE	HIGH DEFINATION ZOOM & HD ZOOM	2		STANDARD			
31	SOFTWARE	IMAGE ANALYSIS AND MEASUREMENT SOFTWARE	2		STANDARD			
32	SOFTWARE	CARDIOVASCULAR IMAGING SOFTWARE	2		STANDARD			
33	SOFTWARE	OB/GYN SOFTWARE	2		STANDARD			
34	SOFTWARE	BREAST IMAGING SOFTWARE	2		STANDARD			
35	SOFTWARE	MUSCULOSKELETAL (MSK) SOFTWARE	2		STANDARD			
36	SOFTWARE	UROLOGY AND RENAL IMAGING SOFTWARE	2		STANDARD			
37	SOFTWARE	BIOPSY GUIDANCE SOFTWARE	2		STANDARD			
38	SOFTWARE	ADVANCED VISUALIZATION AND POST-PROCESSING SOFTWARE	2		STANDARD			
39	SOFTWARE	AI AND MACHINE LEARNING-ENHANCED SOFTWARE	2		STANDARD			
40	SOFTWARE	TISSUE HARMONIC IMAGING (THI)	2		STANDARD			
41	SOFTWARE	SPECKLE REDUCTION IMAGING	2		STANDARD			
42	SOFTWARE	AUTO IMAGE OPTIMIZATION	2		STANDARD			
43	SOFTWARE	COMPOUND IMAGING	2		STANDARD			

44	SOFTWARE	COLOR DOPPLER, POWER DOPPLER & DIRECTIONAL POWER DOPPLER	2		STANDARD			
45	SOFTWARE	SPECTRAL DOPPLER	2		STANDARD			
46	SOFTWARE	TRIPLEX MODE	2		STANDARD			
47	SOFTWARE	ELASTOGRAPHY / STRAIN ELASTOGRAPHY	2		STANDARD			
48	SOFTWARE	SHEAR WAVE ELASTOGRAPHY	2		STANDARD			
49	SOFTWARE	CONTRAST ENHANCED ULTRASOUND (CEUS)	2		STANDARD			
50	SOFTWARE	AUTO IMT	2		STANDARD			
51	SOFTWARE	PANORAMIC IMAGING	2		STANDARD			
52	SOFTWARE	CODED EXCITATION	2		STANDARD			
53	SOFTWARE	REPORTING SOFTWARE PACKAGE (IN-BUILT)	2		STANDARD			
54	SOFTWARE	SPATIO-TEMPORAL IMAGE CORRELATION	2		STANDARD			
55	SOFTWARE	MULTIPARAMETRIC LIVER ANALYSIS SOFTWARE – HEPATO-RENAL INDEX	2		STANDARD			
56	SOFTWARE	MULTIPARAMETRIC LIVER ANALYSIS SOFTWARE – TISSUE ATTENUATION IMAGING	2		STANDARD			
57	SOFTWARE	ONE-PAGE MULTIPARAMETRIC LIVER REPORT GENERATION	2		STANDARD			
58	SOFTWARE	ADVANCED SHEAR WAVE ELASTOGRAPHY WITH AUTOMATIC FRAME SELECTION AND ROI PLACEMENT	2		STANDARD			
59	SOFTWARE	STIC (SPATIO-TEMPORAL IMAGE CORRELATION) SOFTWARE FOR FETAL CARDIAC EVALUATION	2		STANDARD			
60	SOFTWARE	ADVANCED FETAL CARDIAC QUANTIFICATION PACKAGES	2		STANDARD			
61	SOFTWARE	FUSION IMAGING AND VOLUME NAVIGATION SOFTWARE WITH AUTO-REGISTRATION	2		STANDARD			
62	SOFTWARE	3D-LIKE HEMODYNAMIC COLOR DOPPLER VISUALIZATION SOFTWARE	2		STANDARD			

63	SOFTWARE	ADVANCED CEUS ANALYSIS WITH MOTION COMPENSATION	2		STANDARD			
64	SOFTWARE	CEUS FEEDER VESSEL IDENTIFICATION USING TIME-OF-ARRIVAL ANALYSIS	2		STANDARD			
65	SOFTWARE	REMOTE SERVICE SOLUTIONS	2		STANDARD			
66	SOFTWARE	LICENSE FOR APPLICATION SOFTWARE OVER LIFETIME OF EQUIPMENT TO BE GIVEN	2		STANDARD			
67	SOFTWARE	LICENSE FOR OS OVER LIFETIME OF EQUIPMENT TO BE GIVEN	2		STANDARD			
68	SOFTWARE	LICENSE FOR ANTIVIRUS OVER LIFETIME OF EQUIPMENT TO BE GIVEN	2		STANDARD			
69	ACCESSORY	PROBE HOLDERS	2		STANDARD			
70	ACCESSORY	PROBE CABLE HOOKS	2		STANDARD			
71	ACCESSORY	KEYBOARD COVER	2		STANDARD			
72	ACCESSORY	POWER CABLE (INDIAN STANDARD)	2		STANDARD			
73	ACCESSORY	BIOPSY GUIDE-CONVEX PROBE	2		STANDARD			
74	HARDWARE OEM	EM FILTER	2		STANDARD			
75	HARDWARE OEM	LASER PRINTER-COLOUR	2		STANDARD			
76	HARDWARE OEM	THERMAL PRINTER	2		STANDARD			
77	HARDWARE OEM	UPS - AS REQUIRED	2		STANDARD			
78	CONSUMABLE	ULTRASOUND GEL	10 BOTTLES		STANDARD			
79	CONSUMABLE	PROBE COVERS	2 PACK		STANDARD			
80		ANY OTHER PART TO MAKE SYSTEM 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.						
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 2-MASTER HEALTH CHECK UP								
	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)
1	HARDWARE	ULTRASOUND SYSTEM – COLOR DOPPLER	1		STANDARD			

2	HARDWARE	THE SYSTEM SHALL INCLUDE A SINGLE-CRYSTAL CONVEX PROBE WITHIN A FREQUENCY RANGE OF ANYWHERE BETWEEN 1–7 MHZ, WITH ALL APPLICATION LICENSE FOR LIFETIME	1		STANDARD			
3	HARDWARE	THE SYSTEM SHALL INCLUDE A LINEAR ARRAY PROBE WITHIN A FREQUENCY RANGE OF ANYWHERE BETWEEN 2–14 MHZ WITH ALL APPLICATION LICENSE FOR LIFETIME	1		STANDARD			
4	HARDWARE	INTEGRATED CART/TROLLEY	1		STANDARD			
5	HARDWARE	MULTI-BEAM / PARALLEL PROCESSING	1		STANDARD			
6	HARDWARE	GEL WARMER	1		STANDARD			
7	SOFTWARE	IMAGE MANAGEMENT SOFTWARE WITH PROFESSIONAL REPORTING AND STRUCTURED EXAM DOCUMENTATION	1		STANDARD			
8	SOFTWARE	ADVANCED IMAGE REVIEW TOOLS INCLUDING CINE REVIEW, MEASUREMENT EDITING, AND ANNOTATION	1		STANDARD			
9	SOFTWARE	VOLUME ULTRASOUND POST-PROCESSING TOOLS (MPR, RENDERING, CROPPING, ROTATION)	1		STANDARD			
10	SOFTWARE	PATIENT-BASED ARCHIVE WITH LONGITUDINAL EXAM COMPARISON	1		STANDARD			
11	SOFTWARE	SIDE-BY-SIDE AND QUAD-VIEW COMPARISON DURING LIVE AND ARCHIVED REVIEW	1		STANDARD			
12	SOFTWARE	AUTOMATED LESION / CYST MEASUREMENT (MANUAL OVERRIDE AVAILABLE)	1		STANDARD			
13	SOFTWARE	AI-ASSISTED DOPPLER AUTOMATION (AUTO COLOR BOX PLACEMENT BASED ON VESSEL DETECTION)	1		STANDARD			
14	SOFTWARE	AI-BASED ORGAN RECOGNITION WITH AUTOMATIC PRESET SELECTION	1		STANDARD			
15	SOFTWARE	COMPREHENSIVE CALCULATION PACKAGES FOR OB/GYN, ABDOMINAL AND VASCULAR APPLICATIONS	1		STANDARD			
16	SOFTWARE	CEUS ANALYSIS PACKAGE INCLUDING TIME INTENSITY CURVE (TIC) GENERATION	1		STANDARD			
17	SOFTWARE	SHEAR WAVE ELASTOGRAPHY ANALYSIS PACKAGE:	1		STANDARD			

18	SOFTWARE	LIVER STEATOSIS QUANTIFICATION SOFTWARE (ADULT POPULATION)	1		STANDARD			
19	SOFTWARE	MICROVASCULAR FLOW VISUALIZATION SOFTWARE (NON-DOPPLER BASED)	1		STANDARD			
20	SOFTWARE	DICOM APPLICATION SOFTWARE (STORE, PRINT, WORKLIST, QUERY/RETRIEVE, MPPS)	1		STANDARD			
21	SOFTWARE	POST-PROCESSING SOFTWARE FOR ADJUSTMENT OF GAIN, DR, GRAY MAP, DOPPLER PARAMETERS ON STORED DATA	1		STANDARD			
22	SOFTWARE	NEEDLE ENHANCEMENT	1		STANDARD			
23	SOFTWARE	AUTO LESION BOUNDARY TRACING	1		STANDARD			
24	SOFTWARE	HIGH DEFINATION ZOOM & HD ZOOM	1		STANDARD			
25	SOFTWARE	IMAGE ANALYSIS AND MEASUREMENT SOFTWARE	1		STANDARD			
26	SOFTWARE	CARDIOVASCULAR IMAGING SOFTWARE	1		STANDARD			
27	SOFTWARE	OB/GYN SOFTWARE	1		STANDARD			
28	SOFTWARE	BREAST IMAGING SOFTWARE	1		STANDARD			
29	SOFTWARE	MUSCULOSKELETAL (MSK) SOFTWARE	1		STANDARD			
30	SOFTWARE	UROLOGY AND RENAL IMAGING SOFTWARE	1		STANDARD			
31	SOFTWARE	ADVANCED VISUALIZATION AND POST-PROCESSING SOFTWARE	1		STANDARD			
32	SOFTWARE	AI AND MACHINE LEARNING-ENHANCED SOFTWARE	1		STANDARD			
33	SOFTWARE	TISSUE HARMONIC IMAGING (THI)	1		STANDARD			
34	SOFTWARE	SPECKLE REDUCTION IMAGING	1		STANDARD			
35	SOFTWARE	AUTO IMAGE OPTIMIZATION	1		STANDARD			
36	SOFTWARE	COMPOUND IMAGING	1		STANDARD			
37	SOFTWARE	COLOR DOPPLER, POWER DOPPLER & DIRECTIONAL POWER DOPPLER	1		STANDARD			
38	SOFTWARE	SPECTRAL DOPPLER	1		STANDARD			
39	SOFTWARE	TRIPLEX MODE	1		STANDARD			
40	SOFTWARE	ELASTOGRAPHY / STRAIN ELASTOGRAPHY	1		STANDARD			
41	SOFTWARE	SHEAR WAVE ELASTOGRAPHY	1		STANDARD			

42	SOFTWARE	CONTRAST ENHANCED ULTRASOUND (CEUS)	1		STANDARD			
43	SOFTWARE	AUTO IMT	1		STANDARD			
44	SOFTWARE	PANORAMIC IMAGING	1		STANDARD			
45	SOFTWARE	CODED EXCITATION	1		STANDARD			
46	SOFTWARE	REPORTING SOFTWARE PACKAGE (IN-BUILT)	1		STANDARD			
47	SOFTWARE	SPATIO-TEMPORAL IMAGE CORRELATION	1		STANDARD			
48	SOFTWARE	MULTIPARAMETRIC LIVER ANALYSIS SOFTWARE – HEPATO-RENAL INDEX	1		STANDARD			
49	SOFTWARE	MULTIPARAMETRIC LIVER ANALYSIS SOFTWARE – TISSUE ATTENUATION IMAGING	1		STANDARD			
50	SOFTWARE	ONE-PAGE MULTIPARAMETRIC LIVER REPORT GENERATION	1		STANDARD			
51	SOFTWARE	ADVANCED SHEAR WAVE ELASTOGRAPHY WITH AUTOMATIC FRAME SELECTION AND ROI PLACEMENT	1		STANDARD			
52	SOFTWARE	STIC (SPATIO-TEMPORAL IMAGE CORRELATION) SOFTWARE FOR FETAL CARDIAC EVALUATION	1		STANDARD			
53	SOFTWARE	3D-LIKE HEMODYNAMIC COLOR DOPPLER VISUALIZATION SOFTWARE	1		STANDARD			
54	SOFTWARE	ADVANCED CEUS ANALYSIS WITH MOTION COMPENSATION	1		STANDARD			
55	SOFTWARE	CEUS FEEDER VESSEL IDENTIFICATION USING TIME-OF-ARRIVAL ANALYSIS	1		STANDARD			
56	SOFTWARE	REMOTE SERVICE SOLUTIONS	1		STANDARD			
57	SOFTWARE	LICENSE FOR APPLICATION SOFTWARE OVER LIFETIME OF EQUIPMENT TO BE GIVEN	1		STANDARD			
58	SOFTWARE	LICENSE FOR OS OVER LIFETIME OF EQUIPMENT TO BE GIVEN	1		STANDARD			
59	SOFTWARE	LICENSE FOR ANTIVIRUS OVER LIFETIME OF EQUIPMENT TO BE GIVEN	1		STANDARD			
60	ACCESSORY	PROBE HOLDERS	1		STANDARD			
61	ACCESSORY	PROBE CABLE HOOKS	1		STANDARD			
62	ACCESSORY	KEYBOARD COVER	1		STANDARD			
63	ACCESSORY	POWER CABLE (INDIAN STANDARD)	1		STANDARD			
64	HARDWARE OEM	EM FILTER	1		STANDARD			

65	HARDWARE OEM	LASER PRINTER-COLOUR	1		STANDARD			
66	HARDWARE OEM	THERMAL PRINTER	1		STANDARD			
67	HARDWARE OEM	UPS - AS REQUIRED	1		STANDARD			
68	CONSUMABLE	ULTRASOUND GEL	5 BOTTLES		STANDARD			
69	CONSUMABLE	PROBE COVERS	1 PACK		STANDARD			
70		ANY OTHER PART TO MAKE SYSTEM COMPLETE & WORKING			STANDARD			
71		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.			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	MICRO-CONVEX PROBE WITHIN A FREQUENCY RANGE OF ANYWHERE BETWEEN 3–10 MHZ.			OPTIONAL			
2	HARDWARE	TRANSVAGINAL/TRANSRECTAL PROBE WITHIN A FREQUENCY RANGE OF ANYWHERE BETWEEN 2–11 MHZ.			OPTIONAL			
3	HARDWARE	1–5 MHZ ADULT CARDIAC PROBE.			OPTIONAL			
4	HARDWARE	HIGH-FREQUENCY HOCKEY STICK LINEAR PROBE WITHIN A FREQUENCY RANGE OF ANYWHERE BETWEEN 7–19 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			
7	SOFTWARE	BIOPSY GUIDANCE SOFTWARE			OPTIONAL			
8	OTHERS CAN BE ADDED BELOW							

TYPE 3-OBSTETRICS AND GYNACOLOGY								
	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)
1	HARDWARE	3D/4D ULTRASOUND SCANNER WITH DISPLAY ON	1		STANDARD			
2	HARDWARE	LINEAR ARRAY 3-14MHZ WITH ALL APPLICATION LICENSE FOR LIFETIME	1		STANDARD			
3	HARDWARE	CURVED ARRAY 1-7MHZ WITH ALL APPLICATION LICENSE FOR LIFETIME	1		STANDARD			
4	HARDWARE	3D/4D TV/TR PROB 2-10MHZ (FOV - AT LEAST 200 DEGREE OR MORE, FOOTPRINT SIZE - LESS THAN 25 X 25MM) OR BETTER WITH ALL APPLICATION LICENSE FOR LIFETIME	1		STANDARD			
5	HARDWARE	HIGH FREQUENCY CONVEX PROBE 1-9MHZ WITH ALL APPLICATION LICENSE FOR LIFETIME	1		STANDARD			
6	HARDWARE	3D/4D CONVEX PROBE 1-8MHZ WITH ALL APPLICATION LICENSE FOR LIFETIME	1		STANDARD			
7	HARDWARE	DVD / LAN / USB CONNECTIVITY / FULL DICOM / 4 PROBE PORTS - INTEGRATED	1		STANDARD			
8	HARDWARE	GEL WARMER	1		STANDARD			
9	HARDWARE	INTEGRATED CART OR TROLLEY	1		STANDARD			
10	APPLICATION SOFTWARE	IMAGE ANALYSIS AND MEASUREMENT SOFTWARE	1		STANDARD			
11	APPLICATION SOFTWARE	REPORTING SOFTWARE PACKAGE (IN-BUILT)	1		STANDARD			

12	APPLICATION SOFTWARE	ALL OB/GYN SOFTWARE	1		STANDARD			
13	APPLICATION SOFTWARE	FOETAL IMAGING SOFTWARE	1		STANDARD			
14	APPLICATION SOFTWARE	BREAST IMAGING SOFTWARE	1		STANDARD			
15	APPLICATION SOFTWARE	INTERVENTIONAL AND NEEDLE GUIDANCE SOFTWARE	1		STANDARD			
16	APPLICATION SOFTWARE	ADVANCED VISUALIZATION AND POST-PROCESSING SOFTWARE	1		STANDARD			
17	APPLICATION SOFTWARE	AI AND MACHINE LEARNING-ENHANCED SOFTWARE	1		STANDARD			
18	APPLICATION SOFTWARE	REMOTE SERVICE SOLUTIONS	1		STANDARD			
19	APPLICATION SOFTWARE	3D/4D LIVE IMAGING	1		STANDARD			
20	APPLICATION SOFTWARE	STIC (SPATIO TEMPORAL IMAGE CORRELATION)	1		STANDARD			
21	APPLICATION SOFTWARE	AUTO NT (NUCHAL TRANSLUCENCY)	1		STANDARD			
22	APPLICATION SOFTWARE	AUTO BPD, FL, AC, HC MEASUREMENT	1		STANDARD			
23	APPLICATION SOFTWARE	FOETAL GROWTH MONITOR (HADLOCK, SHEPARD CURVES)	1		STANDARD			
24	APPLICATION SOFTWARE	AUTO FOLLICLE COUNT	1		STANDARD			
25	APPLICATION SOFTWARE	FOETAL HEART RATE ANALYSIS	1		STANDARD			
26	APPLICATION SOFTWARE	FOETAL DOPPLER ANALYSIS	1		STANDARD			
27	APPLICATION SOFTWARE	3D UTERINE EVALUATION	1		STANDARD			
28	APPLICATION SOFTWARE	ELASTOGRAPHY	1		STANDARD			
29	APPLICATION SOFTWARE	AUTO OB REPORT GENERATION	1		STANDARD			
30	APPLICATION SOFTWARE	ALL DICOM, WORKLIST & CONNECTIVITY PACKAGE	1		STANDARD			
31	APPLICATION SOFTWARE	DICOM STRUCTURED REPORTING	1		STANDARD			
32	APPLICATION SOFTWARE	WINDOWS OR ANY SUITABLE PLATFORM	1		STANDARD			
33	APPLICATION SOFTWARE	ANY STANDARD ANTI VIRUS SOFTWARE	1		STANDARD			
34	APPLICATION SOFTWARE	LICENSE FOR APPLICATION SOFTWARE OVER LIFETIME OF	1		STANDARD			

		EQUIPMENT TO BE GIVEN						
35	APPLICATION SOFTWARE	LICENSE FOR OS OVER LIFETIME OF EQUIPMENT TO BE GIVEN	1		STANDARD			
36	APPLICATION SOFTWARE	LICENSE FOR ANTIVIRUS OVER LIFETIME OF EQUIPMENT TO BE GIVEN	1		STANDARD			
37	APPLICATION SOFTWARE	BIOPSY GUIDANCE SOFTWARE	1		STANDARD			
38	APPLICATION SOFTWARE	PATIENT IMAGE SHARING SOFTWARE (DIRECT IMAGE SHARING FROM ULTRASOUND CONSOLE TO SMARTPHONE)	1		STANDARD			
39	ACCESSORY	BIOPSY GUIDE - COMPATIBLE WITH TRANSVAGINAL (TV) PROBE & CONVEX PROBE	1 EACH		STANDARD			
40	ACCESSORY	PROBE HOLDERS AND PROBE CABLE HOOKS	1 EACH		STANDARD			
41	ACCESSORY	BATTERY	1		STANDARD			
42	ACCESSORY	KEYBOARD COVER	1		STANDARD			
43	ACCESSORY	POWER CABLE (INDIAN STANDARD)	1		STANDARD			
44	HARDWARE OEM	EM FILTER	1		STANDARD			
45	HARDWARE OEM	LASER PRINTER-COLOUR	1		STANDARD			
46	HARDWARE OEM	THERMAL PRINTER	1		STANDARD			
47	HARDWARE OEM	UPS - AS REQUIRED	1		STANDARD			
48	CONSUMABLE	ULTRASOUND GEL	5 BOTTLES		STANDARD			
49	CONSUMABLE	PROBE COVERS	1 PACK		STANDARD			
50		ANY OTHER PART TO MAKE SYSTEM COMPLETE & WORKING	AS REQUIRED		STANDARD			
51		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	AS REQUIRED		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 LINEAR ARRAY PROBE 7-15MHZ	1		OPTIONAL			
2	HARDWARE	MATRIX VOLUME CONVEX PROBE 2-8 MHZ	1		OPTIONAL			
3	OTHERS CAN BE ADDED BELOW							

TYPE 4-IN VITRO FERTILIZATION								
	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)
1	HARDWARE	3D/4D ULTRASOUND SCANNER WITH MEDICAL GRADE DISPLAY	1		STANDARD			
2	HARDWARE	2D TV PROBE 2-11MHZ (FOV - AT LEAST 185 DEGREE OR MORE, FOOTPRINT SIZE - LESS THAN 22 X 18MM) OR BETTER WITH ALL APPLICATION LICENSE FOR LIFETIME	1		STANDARD			
3	HARDWARE	4D TV PROBE 2-10MHZ (FOV - AT LEAST 185 DEGREE OR MORE, FOOTPRINT	1		STANDARD			

		SIZE - LESS THAN 23 X 23MM) OR BETTER WITH ALL APPLICATION LICENSE FOR LIFETIME						
4	HARDWARE	2D CONVEX PROBE 1-7MHZ WITH ALL APPLICATION LICENSE FOR LIFETIME	1		STANDARD			
5	HARDWARE	4D CONVEX PROBE 2-6MH WITH ALL APPLICATION LICENSE FOR LIFETIME	1		STANDARD			
6	HARDWARE	DVD / LAN / USB CONNECTIVITY / FULL DICOM / 4 PROBE PORTS - INTEGRATED	1		STANDARD			
7	HARDWARE	GEL WARMER	1		STANDARD			
8	HARDWARE	INTEGRATED CART OR TROLLEY	1		STANDARD			
9	APPLICATION SOFTWARE	ALL IVF SOFTWARE	1		STANDARD			
10	APPLICATION SOFTWARE	M-MODE & ANATOMICAL M-MODE SOFTWARE	1		STANDARD			
11	APPLICATION SOFTWARE	TISSUE DOPPLER & HEMODYNAMIC FLOW ANALYSIS SOFTWARE	1		STANDARD			
12	APPLICATION SOFTWARE	ADVANCED VASCULAR & PERFUSION IMAGING SOFTWARE	1		STANDARD			
13	APPLICATION SOFTWARE	MULTISLICE & MPR VOLUME RECONSTRUCTION SOFTWARE	1		STANDARD			
14	APPLICATION SOFTWARE	PELVIC FLOOR ANATOMY ANALYSIS SOFTWARE	1		STANDARD			
15	APPLICATION SOFTWARE	UTERINE PATHOLOGY ANALYSIS SOFTWARE (FIBROIDS / FIGO MAPPING)	1		STANDARD			
16	APPLICATION SOFTWARE	IMAGE OPTIMIZATION, PRESET & AUTO-OPTIMIZATION SOFTWARE	1		STANDARD			
17	APPLICATION SOFTWARE	WIRELESS PROBE INTEGRATION & MOBILITY MANAGEMENT SOFTWARE	1		STANDARD			
18	APPLICATION SOFTWARE	IMAGE ANALYSIS AND MEASUREMENT SOFTWARE	1		STANDARD			
19	APPLICATION SOFTWARE	REPORTING SOFTWARE PACKAGE (IN-BUILT)	1		STANDARD			
20	APPLICATION SOFTWARE	FOETAL IMAGING SOFTWARE	1		STANDARD			
21	APPLICATION SOFTWARE	INTERVENTIONAL AND NEEDLE GUIDANCE SOFTWARE	1		STANDARD			
22	APPLICATION SOFTWARE	ADVANCED VISUALIZATION AND POST-PROCESSING SOFTWARE	1		STANDARD			
23	APPLICATION SOFTWARE	AI AND MACHINE LEARNING-ENHANCED SOFTWARE	1		STANDARD			
24	APPLICATION SOFTWARE	3D/4D LIVE IMAGING	1		STANDARD			

25	APPLICATION SOFTWARE	AUTO NT (NUCHAL TRANSLUCENCY)	1		STANDARD			
26	APPLICATION SOFTWARE	AUTOMATED FOLLICLE TRACKING SOFTWARE	1		STANDARD			
27	APPLICATION SOFTWARE	3D UTERINE EVALUATION	1		STANDARD			
28	APPLICATION SOFTWARE	ELASTOGRAPHY	1		STANDARD			
29	APPLICATION SOFTWARE	ENDOMETRIAL ANALYSIS SOFTWARE	1		STANDARD			
30	APPLICATION SOFTWARE	COLOR DOPPLER	1		STANDARD			
31	APPLICATION SOFTWARE	POWER DOPPLER	1		STANDARD			
32	APPLICATION SOFTWARE	PULSED WAVE DOPPLER	1		STANDARD			
33	APPLICATION SOFTWARE	AUTO IVF REPORT GENERATION	1		STANDARD			
34	APPLICATION SOFTWARE	REMOTE SERVICE SOLUTIONS	1		STANDARD			
35	APPLICATION SOFTWARE	ALL DICOM, WORKLIST & CONNECTIVITY PACKAGE	1		STANDARD			
36	APPLICATION SOFTWARE	DICOM STRUCTURED REPORTING	1		STANDARD			
37	APPLICATION SOFTWARE	LICENSE FOR APPLICATION SOFTWARE OVER LIFETIME OF EQUIPMENT TO BE GIVEN	1		STANDARD			
38	APPLICATION SOFTWARE	LICENSE FOR OS OVER LIFETIME OF EQUIPMENT TO BE GIVEN	1		STANDARD			
39	APPLICATION SOFTWARE	LICENSE FOR ANTIVIRUS OVER LIFETIME OF EQUIPMENT TO BE GIVEN	1		STANDARD			
40	APPLICATION SOFTWARE	BIOPSY GUIDANCE SOFTWARE	1		STANDARD			
41	APPLICATION SOFTWARE	PATIENT IMAGE SHARING SOFTWARE (DIRECT IMAGE SHARING FROM ULTRASOUND CONSOLE TO SMARTPHONE)	1		STANDARD			
42	ACCESSORY	BIOPSY GUIDE - COMPATIBLE WITH TRANSVAGINAL (TV) PROBE	1		STANDARD			
43	ACCESSORY	PROBE HOLDERS	1		STANDARD			
44	ACCESSORY	PROBE CABLE HOOKS	1		STANDARD			
45	ACCESSORY	KEYBOARD COVER	1		STANDARD			
46	ACCESSORY	POWER CABLE (INDIAN STANDARD)	1		STANDARD			

47	HARDWARE OEM	EM FILTER	1		STANDARD			
48	HARDWARE OEM	LASER PRINTER-COLOUR	1		STANDARD			
49	HARDWARE OEM	THERMAL PRINTER	1		STANDARD			
50	HARDWARE OEM	UPS - AS REQUIRED	1		STANDARD			
51	CONSUMABLE	ULTRASOUND GEL	5 BOTTLES		STANDARD			
52	CONSUMABLE	PROBE COVERS	1 PACK		STANDARD			
53		ANY OTHER PART TO MAKE SYSTEM COMPLETE & WORKING	AS REQUIRED		STANDARD			
54		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	HIGH FREQUENCY CONVEX PROBE 2-8MHZ			OPTIONAL			
2	HARDWARE	LINEAR PROBE10–15 MHZ			OPTIONAL			
3	HARDWARE	MATRIX VOLUME CONVEX PROBE WITHIN A FREQUENCY RANGE OF ANYWHERE BETWEEN 2–8 MHZ.			OPTIONAL			
4	HARDWARE							
5	OTHERS OPTIONS NOT CONSIDERED SHOULD BE ADDED BELOW							

TYPE 5-CARDIOLOGY PORTABLE ULTRASOUND/ECHO								
	EQUIPMENT NAME	PORTABLE ULTRASOUND/ECHO						
	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)
1	HARDWARE	PORTABLE 4D ULTRASOUND SCANNER WITH MEDICAL GRADE DISPLAY	1		STANDARD			
2	HARDWARE	LINEAR ARRAY TRANSDUCER 4–12 MHZ, WITH ALL APPLICATION SOFTWARE LICENSE FOR LIFETIME	1		STANDARD			
3	HARDWARE	CURVED ARRAY PROBE 1–7 MHZ, WITH ALL APPLICATION SOFTWARE LICENSE FOR LIFETIME	1		STANDARD			
4	HARDWARE	ADULT PHASED ARRAY 1-5 MHZ, WITH ALL APPLICATION SOFTWARE LICENSE FOR LIFETIME	1		STANDARD			
5	HARDWARE	3D/4D ADULT TEE TRANSDUCER 3–8 MHZ.	1		STANDARD			
6	HARDWARE	INTRA-CARDIAC ECHOCARDIOGRAPHY (ICE) INTERFACE MODULE WITH ALL APPLICATION SOFTWARE LICENSE FOR LIFETIME	1		STANDARD			
7	HARDWARE	DVD / LAN / USB CONNECTIVITY / FULL DICOM	1		STANDARD			
8	HARDWARE	INTEGRATED CART WITH 3 PROBE CONNECTIVITY	1		STANDARD			

9	APPLICATION SOFTWARE	CARDIOLOGY SOFTWARE	1		STANDARD			
10	APPLICATION SOFTWARE	IMAGE ANALYSIS AND MEASUREMENT SOFTWARE	1		STANDARD			
11	APPLICATION SOFTWARE	REPORTING SOFTWARE PACKAGE (IN-BUILT)	1		STANDARD			
12	APPLICATION SOFTWARE	ADVANCED VISUALIZATION AND POST-PROCESSING SOFTWARE	1		STANDARD			
13	APPLICATION SOFTWARE	AI AND MACHINE LEARNING-ENHANCED SOFTWARE	1		STANDARD			
14	APPLICATION SOFTWARE	ALL DICOM, WORKLIST & CONNECTIVITY PACKAGE	1		STANDARD			
15	APPLICATION SOFTWARE	DICOM STRUCTURED REPORTING	1		STANDARD			
16	APPLICATION SOFTWARE	LICENSE FOR APPLICATION SOFTWARE OVER LIFETIME OF EQUIPMENT TO BE GIVEN	1		STANDARD			
17	APPLICATION SOFTWARE	LICENSE FOR OS OVER LIFETIME OF EQUIPMENT TO BE GIVEN	1		STANDARD			
18	APPLICATION SOFTWARE	LICENSE FOR ANTIVIRUS OVER LIFETIME OF EQUIPMENT TO BE GIVEN	1		STANDARD			
19	ACCESSORY	BATTERY						
20	ACCESSORY	PROBE HOLDERS	1		STANDARD			
21	ACCESSORY	PROBE CABLE HOOKS	1		STANDARD			
22	ACCESSORY	KEYBOARD COVER	1		STANDARD			
23	ACCESSORY	POWER CABLE (INDIAN STANDARD)	1		STANDARD			
24	HARDWARE OEM	LASER PRINTER-COLOUR	1		STANDARD			
25	HARDWARE OEM	THERMAL PRINTER	1		STANDARD			
26	CONSUMABLE	ULTRASOUND GEL	5 BOTTLES		STANDARD			
27	CONSUMABLE	PROBE COVERS	1 PACK		STANDARD			

28	CONSUMABLE	ICE CATHETER (2D &3D)	1		STANDARD			
29		ANY OTHER PART TO MAKE SYSTEM COMPLETE & WORKING						
30		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.	1		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	2D ADULT TTE 1–5 MHZ.			OPTIONAL			
2	HARDWARE	2D PEDIATRIC TEE 3–10 MHZ.			OPTIONAL			
3	HARDWARE	PEDIATRIC CARDIAC PROBE 2–8 MHZ.			OPTIONAL			
4	HARDWARE	NEONATAL CARDIAC PROBE 4–12 MHZ.			OPTIONAL			
5	HARDWARE	HIGH-FREQUENCY LINEAR (4 – 18 MHZ)-DETAILED LUNG & VASCULAR IMAGING			OPTIONAL			
6	OTHERS CAN BE ADDED				OPTIONAL			

TYPE 6- INTRA OP-PORTABLE USG(MULTISPECIALITY)								
	EQUIPMENT NAME	HIGH END INTRAOPERATIVE ULTRASOUND FOR SURGERIES						
	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)
1	HARDWARE	MAIN UNIT	1 NO		STANDARD			
2	HARDWARE AND SOFTWARE	3–13 MHZ OR BETTER LAPAROSCOPIC FOUR-WAY DEFLECTABLE CONVEX ARRAY TRANSDUCER WITH REQUIRED OEM ACTIVATION SOFTWARE/LICENSES FOR LAPAROSCOPIC SURGERY APPLICATIONS.	1 SET		STANDARD			
3	HARDWARE AND SOFTWARE	4–12 MHZ OR BETTER ABDOMINAL DROP-IN CONVEX ARRAY TRANSDUCER COMPATIBLE WITH ROBOTIC SURGICAL SYSTEMS, SUPPLIED WITH REQUIRED OEM ACTIVATION SOFTWARE/LICENSES FOR ROBOTIC SURGERY.	1 SET		STANDARD			
4	HARDWARE AND SOFTWARE	TRANSRECTAL ULTRASOUND TRANSDUCER SUPPLIED WITH REQUIRED OEM ACTIVATION SOFTWARE/LICENSES FOR UROLOGICAL SURGERY APPLICATIONS.	1 SET		STANDARD			
5	HARDWARE AND SOFTWARE	4–14 MHZ OR BETTER TRANSRECTAL ULTRASOUND TRANSDUCER FOR TRANSPERINEAL APPROACH, SUPPLIED WITH REQUIRED OEM ACTIVATION SOFTWARE/LICENSES FOR UROLOGICAL SURGERY.	1 SET		STANDARD			
6	HARDWARE AND SOFTWARE	2–6 MHZ OR BETTER CONVEX ABDOMINAL ULTRASOUND TRANSDUCER SUPPLIED WITH REQUIRED OEM ACTIVATION SOFTWARE/LICENSES FOR ABDOMINAL AND UROLOGICAL IMAGING APPLICATIONS.	1 SET		STANDARD			

7	HARDWARE AND SOFTWARE	SIMULTANEOUS BIPLANE IMAGING ULTRASOUND TRANSDUCER WITH TRANSVERSE AND SAGITTAL ARRAYS, SUPPLIED WITH REQUIRED OEM ACTIVATION SOFTWARE/LICENSES FOR HEPATOBILIARY AND PANCREATIC (HBP) SURGERY.	1 SET		STANDARD			
8	SOFTWARE	ALL DICOM, WORKLIST & CONNECTIVITY PACKAGE	1 SET		STANDARD			
9	SOFTWARE	LICENSE FOR APPLICATION SOFTWARE OVER LIFETIME OF EQUIPMENT TO BE GIVEN	1 SET		STANDARD			
10	SOFTWARE	LICENSE FOR OS OVER LIFETIME OF EQUIPMENT TO BE GIVEN	1 SET		STANDARD			
11	SOFTWARE	LICENSE FOR ANTIVIRUS OVER LIFETIME OF EQUIPMENT TO BE GIVEN	1 SET		STANDARD			
12	CONSUMABLE	BIOPSY NEEDLE GUIDE COMPATIBLE WITH 2–14 MHZ TRANSRECTAL ULTRASOUND TRANSDUCER FOR TRANSPERINEAL APPROACH IN UROLOGICAL SURGERY.	3 NOS		STANDARD			
13	CONSUMABLE	BIOPSY NEEDLE GUIDE COMPATIBLE WITH 2–6 MHZ CONVEX ABDOMINAL ULTRASOUND TRANSDUCER FOR ABDOMINAL AND UROLOGICAL APPLICATIONS.	3 NOS		STANDARD			
14	CONSUMABLE	BIOPSY NEEDLE GUIDE COMPATIBLE WITH TRANSRECTAL ULTRASOUND TRANSDUCER FOR UROLOGICAL SURGERY APPLICATIONS.	3 NOS		STANDARD			
15	CONSUMABLE	BIOPSY NEEDLE GUIDE COMPATIBLE WITH SIMULTANEOUS BIPLANE IMAGING ULTRASOUND TRANSDUCER WITH TRANSVERSE AND SAGITTAL ARRAYS FOR HEPATOBILIARY AND PANCREATIC (HBP) SURGERY.	3 NOS		STANDARD			
16	CONSUMABLE	BIOPSY NEEDLE GUIDE COMPATIBLE WITH 4–14 MHZ OR BETTER TRANSRECTAL ULTRASOUND TRANSDUCER FOR TRANSPERINEAL APPROACH IN UROLOGICAL SURGERY.	3 NOS		STANDARD			

17	CONSUMABLE	BIOPSY NEEDLE GUIDE COMPATIBLE WITH 2–6 MHZ OR BETTER CONVEX ABDOMINAL ULTRASOUND TRANSDUCER FOR ABDOMINAL AND UROLOGICAL IMAGING APPLICATIONS.	3 NOS		STANDARD			
18	ACCESSORY	PROBE HOLDERS	1 NO		STANDARD			
19	ACCESSORY	KEYBOARD COVER	1 NO		STANDARD			
20	ACCESSORY	POWER CABLE (INDIAN STANDARD)	1 NO		STANDARD			
21	ACCESSORY	BATTERY	1 NO		STANDARD			
22	ACCESSORY	STERLIZATION TRAY	AS REQUIRED		STANDARD			
23	HARDWARE OEM	EM FILTER (IF REQUIRED)	AS REQUIRED		STANDARD			
24	HARDWARE OEM	THERMAL PRINTER	1 NO		STANDARD			
25	CONSUMABLE	PROBE COVERS	AS REQUIRED		STANDARD			
26	ANY OTHER PART TO MAKE SYSTEM COMPLETE & WORKING				STANDARD			
27	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				STANDARD			

	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	FUSION			OPTIONAL			
2	SOFTWARE	FUSION SOFTWARE SOLUTION			OPTIONAL			
3	SOFTWARE	DOSIMETRY PLANNING SOFTWARE SOLUTION			OPTIONAL			
4	HARDWARE AND SOFTWARE	5–10 MHZ OR BETTER MULTI-FREQUENCY INTRAOPERATIVE I-SHAPED CONVEX ARRAY ULTRASOUND TRANSDUCER SUPPLIED WITH REQUIRED OEM ACTIVATION SOFTWARE/LICENSES FOR HEPATOBILIARY AND PANCREATIC (HBP) SURGERY.			OPTIONAL			
5	HARDWARE AND SOFTWARE	5–10 MHZ OR BETTER T-SHAPED CONVEX ARRAY ULTRASOUND TRANSDUCER			OPTIONAL			

		SUPPLIED WITH REQUIRED OEM ACTIVATION SOFTWARE/LICENSES FOR HEPATOBILIARY AND PANCREATIC (HBP) SURGERY.						
6	CONSUMABLE	BIOPSY NEEDLE GUIDE COMPATIBLE WITH 5–10 MHZ OR BETTER T-SHAPED CONVEX ARRAY ULTRASOUND TRANSDUCER FOR HEPATOBILIARY AND PANCREATIC (HBP) SURGERY.			OPTIONAL			
7	CONSUMABLE	BIOPSY NEEDLE GUIDE COMPATIBLE WITH 5–10 MHZ OR BETTER MULTI-FREQUENCY INTRAOPERATIVE I-SHAPED CONVEX ARRAY ULTRASOUND TRANSDUCER FOR HEPATOBILIARY AND PANCREATIC (HBP) SURGERY.			OPTIONAL			
8	OTHERS CAN BE ADDED BELOW							

TYPE 6.1-INTRA OP PORTABLE USG (MULTISPECIALITY WITH NEURO NAVIGATION)								
	EQUIPMENT NAME	HIGH END INTRAOPERATIVE ULTRASOUND FOR SURGERIES						
	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)
1	HARDWARE	MAIN UNIT	1 NO		STANDARD			
2	SOFTWARE	ALL DICOM, WORKLIST & CONNECTIVITY PACKAGE	1 NO		STANDARD			
3	SOFTWARE	NAVIGATION SOFTWARE SOLUTION	1 SET		STANDARD			
4	SOFTWARE	LICENSE FOR APPLICATION SOFTWARE OVER LIFETIME OF EQUIPMENT TO BE GIVEN	1 SET		STANDARD			

5	SOFTWARE	LICENSE FOR OS OVER LIFETIME OF EQUIPMENT TO BE GIVEN	1 SET		STANDARD			
6	SOFTWARE	LICENSE FOR ANTIVIRUS OVER LIFETIME OF EQUIPMENT TO BE GIVEN	1 SET		STANDARD			
7	SOFTWARE	4–12 MHZ OR BETTER ABDOMINAL DROP-IN CONVEX ARRAY ULTRASOUND TRANSDUCER SUPPLIED WITH REQUIRED OEM ACTIVATION SOFTWARE/LICENSES FOR ROBOTIC SURGERY APPLICATIONS.	1 SET		STANDARD			
8	HARDWARE AND SOFTWARE	5–13 MHZ OR BETTER MULTI-FREQUENCY CONVEX ULTRASOUND TRANSDUCER SUPPLIED WITH REQUIRED OEM ACTIVATION SOFTWARE/LICENSES FOR NEUROSURGICAL APPLICATIONS.	1 SET		STANDARD			
9	HARDWARE AND SOFTWARE	5–11 MHZ OR BETTER BURR-HOLE ULTRASOUND TRANSDUCER SUPPLIED WITH REQUIRED OEM ACTIVATION SOFTWARE/LICENSES FOR NEUROSURGICAL APPLICATIONS.	1 SET		STANDARD			
10	HARDWARE AND SOFTWARE	6–15 MHZ OR BETTER LINEAR ARRAY ULTRASOUND TRANSDUCER SUPPLIED WITH REQUIRED OEM ACTIVATION SOFTWARE/LICENSES FOR NEUROSURGICAL APPLICATIONS.	1 SET		STANDARD			
12	HARDWARE AND SOFTWARE	3–13 MHZ OR BETTER LAPAROSCOPIC FOUR-WAY DEFLECTABLE CONVEX ARRAY TRANSDUCER WITH REQUIRED OEM ACTIVATION SOFTWARE/LICENSES FOR LAPAROSCOPIC SURGERY APPLICATIONS.	1 SET		STANDARD			
13	CONSUMABLE	BIOPSY NEEDLE GUIDE COMPATIBLE WITH 5–13 MHZ OR BETTER MULTI-FREQUENCY CONVEX ULTRASOUND TRANSDUCER FOR NEUROSURGICAL APPLICATIONS.	3 NOS		STANDARD			

14	CONSUMABLE	BIOPSY NEEDLE GUIDE COMPATIBLE WITH 5–11 MHZ OR BETTER BURR-HOLE ULTRASOUND TRANSDUCER FOR NEUROSURGICAL APPLICATIONS.	3 NOS		STANDARD			
15	ACCESSORY	PROBE HOLDERS	1 NO		STANDARD			
17	ACCESSORY	KEYBOARD COVER	1 NO		STANDARD			
18	ACCESSORY	POWER CABLE (INDIAN STANDARD)	1 NO		STANDARD			
19	ACCESSORY	BATTERY	1 NO		STANDARD			
	ACCESSORY	STERLIZATION TRAY	AS REQUIRED		STANDARD			
20	HARDWARE OEM	EM FILTER	AS REQUIRED		STANDARD			
21	HARDWARE OEM	THERMAL PRINTER	1 NO		STANDARD			
22	CONSUMABLE	PROBE COVERS	AS REQUIRED		STANDARD			
23		ANY OTHER PART TO MAKE SYSTEM COMPLETE & WORKING			STANDARD			
24		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.			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	4–12 MHZ OR BETTER ABDOMINAL DROP-IN CONVEX ARRAY ULTRASOUND TRANSDUCER.			OPTIONAL			
2	HARDWARE AND SOFTWARE	SIMULTANEOUS BIPLANE IMAGING ULTRASOUND TRANSDUCER WITH TRANSVERSE AND SAGITTAL ARRAYS, SUPPLIED WITH REQUIRED OEM ACTIVATION SOFTWARE/LICENSES FOR HEPATOBILIARY AND PANCREATIC (HBP) SURGERY.			OPTIONAL			
3	HARDWARE AND SOFTWARE	5–10 MHZ OR BETTER MULTI-FREQUENCY INTRAOPERATIVE I-SHAPED CONVEX ARRAY ULTRASOUND TRANSDUCER SUPPLIED WITH REQUIRED OEM ACTIVATION SOFTWARE/LICENSES FOR HEPATOBILIARY AND PANCREATIC (HBP) SURGERY.			OPTIONAL			
4	HARDWARE AND SOFTWARE	5–10 MHZ OR BETTER T-SHAPED CONVEX ARRAY ULTRASOUND TRANSDUCER SUPPLIED WITH REQUIRED OEM ACTIVATION SOFTWARE/LICENSES FOR HEPATOBILIARY AND PANCREATIC (HBP) SURGERY.			OPTIONAL			
5	CONSUMABLE	BIOPSY NEEDLE GUIDE COMPATIBLE WITH SIMULTANEOUS BIPLANE IMAGING ULTRASOUND TRANSDUCER WITH TRANSVERSE AND SAGITTAL ARRAYS FOR HEPATOBILIARY AND PANCREATIC (HBP) SURGERY.			OPTIONAL			
6	CONSUMABLE	BIOPSY NEEDLE GUIDE COMPATIBLE WITH 5–10 MHZ OR BETTER T-SHAPED CONVEX ARRAY ULTRASOUND TRANSDUCER FOR HEPATOBILIARY AND PANCREATIC (HBP) SURGERY.			OPTIONAL			
7	CONSUMABLE	BIOPSY NEEDLE GUIDE COMPATIBLE WITH 5–10 MHZ OR BETTER MULTI-FREQUENCY INTRAOPERATIVE I-			OPTIONAL			

		SHAPED CONVEX ARRAY ULTRASOUND TRANSDUCER FOR HEPATOBILIARY AND PANCREATIC (HBP) SURGERY.						
8	CONSUMABLE							
9	OTHERS CAN BE ADDED BELOW							

TYPE 7-ICU PORTABLE								
	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)
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	5 BOTTLES		STANDARD			
23	CONSUMABLE	PROBE COVERS	1 PACK		STANDARD			
24		ANY OTHER PART TO MAKE SYSTEM COMPLETE & WORKING						

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 ITEMS UNDER "STANDARD INCLUSIONS (NOT SEPARATELY CHARGED)" FOR DOCUMENTATION PURPOSES.	1		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	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 8.1-PORTABLE / HANDHELD POINT-OF-CARE ULTRASOUND SYSTEM FOR CARDIAC								
	EQUIPMENT NAME	PORTABLE / HANDHELD POINT-OF-CARE ULTRASOUND SYSTEM FOR CARDIAC						
	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)
1	HARDWARE	HAND HELD USG WITH TABLET FOR VIEWING	1		STANDARD			
2	HARDWARE	SECTOR PROBE AND LINEAR PROBE. WITH ALL APPLICATION SOFTWARE LICENSE FOR LIFETIME	1		STANDARD			
3	APPLICATION SOFTWARE	2D B-MODE IMAGING SOFTWARE FOR REAL-TIME BLACK-AND-WHITE ANATOMICAL VISUALIZATION	1		STANDARD			
4	APPLICATION SOFTWARE	COLOR DOPPLER IMAGING SOFTWARE FOR REAL-TIME BLOOD FLOW VISUALIZATION	1		STANDARD			
5	APPLICATION SOFTWARE	IMAGE AUTO-OPTIMIZATION SOFTWARE FOR 2D IMAGING MODE	1		STANDARD			
6	APPLICATION SOFTWARE	SELECTABLE FOCAL ZONE CONTROL SOFTWARE	1		STANDARD			
7	APPLICATION SOFTWARE	GAIN AND DEPTH ADJUSTMENT SOFTWARE FOR 2D AND COLOR IMAGING MODES	1		STANDARD			
8	APPLICATION SOFTWARE	TIME GAIN COMPENSATION (TGC) SOFTWARE WITH AT LEAST SIX DEPTH-DEPENDENT GAIN CONTROLS	1		STANDARD			
9	APPLICATION SOFTWARE	ABDOMINAL IMAGING APPLICATION SOFTWARE	1		STANDARD			
10	APPLICATION SOFTWARE	VASCULAR IMAGING APPLICATION SOFTWARE	1		STANDARD			
11	APPLICATION SOFTWARE	PERIPHERAL VASCULAR IMAGING APPLICATION SOFTWARE	1		STANDARD			
12	APPLICATION SOFTWARE	MUSCULOSKELETAL IMAGING SOFTWARE INCLUDING CONVENTIONAL AND SUPERFICIAL APPLICATIONS	1		STANDARD			

13	APPLICATION SOFTWARE	SMALL ORGAN / SMALL PARTS IMAGING SOFTWARE	1		STANDARD			
14	APPLICATION SOFTWARE	OPHTHALMIC IMAGING APPLICATION SOFTWARE	1		STANDARD			
15	APPLICATION SOFTWARE	NEONATAL CEPHALIC IMAGING SOFTWARE	1		STANDARD			
16	APPLICATION SOFTWARE	PROCEDURAL GUIDANCE APPLICATION SOFTWARE	1		STANDARD			
17	APPLICATION SOFTWARE	FETAL AND OBSTETRIC IMAGING SOFTWARE	1		STANDARD			
18	APPLICATION SOFTWARE	GYNECOLOGICAL IMAGING SOFTWARE	1		STANDARD			
19	APPLICATION SOFTWARE	ABDOMINAL IMAGING SOFTWARE	1		STANDARD			
20	APPLICATION SOFTWARE	THORACIC AND LUNG IMAGING SOFTWARE	1		STANDARD			
21	APPLICATION SOFTWARE	CARDIAC IMAGING SOFTWARE COMPATIBLE WITH PHASED ARRAY PROBE	1		STANDARD			
22	APPLICATION SOFTWARE	INTERVENTIONAL GUIDANCE SOFTWARE FOR NEEDLE PLACEMENT, CATHETER PLACEMENT, DRAINAGE, NERVE BLOCK, VASCULAR ACCESS, AND BIOPSY	1		STANDARD			
23	APPLICATION SOFTWARE	IMAGE STORAGE AND DATA MANAGEMENT SOFTWARE FOR STILL IMAGES AND CINE LOOPS	1		STANDARD			
24	APPLICATION SOFTWARE	JPEG IMAGE STORAGE SOFTWARE	1		STANDARD			
25	APPLICATION SOFTWARE	CINE LOOP RECORDING AND PLAYBACK SOFTWARE IN MP4 OR EQUIVALENT STANDARD FORMAT	1		STANDARD			
26	APPLICATION SOFTWARE	DATA EXPORT AND TRANSFER SOFTWARE TO EXTERNAL DEVICES OR APPLICATIONS	1		STANDARD			
27	APPLICATION SOFTWARE	WIRELESS CONNECTIVITY AND DEVICE PAIRING SOFTWARE FOR IOS AND ANDROID PLATFORMS	1		STANDARD			

28	APPLICATION SOFTWARE	EXTERNAL DISPLAY MANAGEMENT SOFTWARE SUPPORTING PORTRAIT AND LANDSCAPE MODES	1		STANDARD			
29	APPLICATION SOFTWARE	ALL DICOM, WORKLIST & CONNECTIVITY PACKAGE	1		STANDARD			
30	APPLICATION SOFTWARE	LICENSE FOR APPLICATION SOFTWARE OVER LIFETIME OF EQUIPMENT TO BE GIVEN	1		STANDARD			
31	APPLICATION SOFTWARE	LICENSE FOR OS OVER LIFETIME OF EQUIPMENT TO BE GIVEN	1		STANDARD			
32	ACCESSORY	BATTERY	1		STANDARD			
33	CONSUMABLE	ULTRASOUND GEL	5 BOTTLES		STANDARD			
34	CONSUMABLE	PROBE COVERS	1 PACK		STANDARD			
35		ANY OTHER PART TO MAKE SYSTEM COMPLETE & WORKING			STANDARD			
36		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.	1		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							

TYPE 8.2-PORTABLE / HANDHELD POINT-OF-CARE ULTRASOUND SYSTEM								
	EQUIPMENT NAME	PORTABLE / HANDHELD POINT-OF-CARE ULTRASOUND SYSTEM						
	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)
1	HARDWARE	HAND HELD USG WITH TABLET FOR VIEWING	2		STANDARD			
2	HARDWARE	CONVEX PROBE AND LINEAR PROBE WITH ALL APPLICATION SOFTWARE LICENSE FOR LIFETIME	2		STANDARD			
3	APPLICATION SOFTWARE	B-MODE (2D) IMAGING SOFTWARE	2		STANDARD			
2	APPLICATION SOFTWARE	COLOR DOPPLER IMAGING SOFTWARE	2		STANDARD			
4	APPLICATION SOFTWARE	PULSED WAVE (PW) DOPPLER SOFTWARE	2		STANDARD			
5	APPLICATION SOFTWARE	ABDOMINAL IMAGING APPLICATION SOFTWARE	2		STANDARD			
3	APPLICATION SOFTWARE	VASCULAR IMAGING APPLICATION SOFTWARE	2		STANDARD			
6	APPLICATION SOFTWARE	PERIPHERAL VASCULAR IMAGING APPLICATION SOFTWARE	2		STANDARD			
7	APPLICATION SOFTWARE	MUSCULOSKELETAL IMAGING SOFTWARE – CONVENTIONAL	2		STANDARD			

4	APPLICATION SOFTWARE	MUSCULOSKELETAL IMAGING SOFTWARE – SUPERFICIAL	2		STANDARD			
8	APPLICATION SOFTWARE	SMALL PARTS / SMALL ORGAN IMAGING SOFTWARE	2		STANDARD			
9	APPLICATION SOFTWARE	OPHTHALMIC IMAGING APPLICATION SOFTWARE	2		STANDARD			
5	APPLICATION SOFTWARE	PEDIATRIC IMAGING APPLICATION SOFTWARE, IF AVAILABLE	2		STANDARD			
10	APPLICATION SOFTWARE	NEONATAL CEPHALIC IMAGING SOFTWARE	2		STANDARD			
11	APPLICATION SOFTWARE	CARDIAC IMAGING APPLICATION SOFTWARE	2		STANDARD			
6	APPLICATION SOFTWARE	THORACIC AND LUNG IMAGING APPLICATION SOFTWARE	2		STANDARD			
12	APPLICATION SOFTWARE	OBSTETRIC IMAGING APPLICATION SOFTWARE	2		STANDARD			
13	APPLICATION SOFTWARE	FETAL IMAGING APPLICATION SOFTWARE	2		STANDARD			
7	APPLICATION SOFTWARE	GYNECOLOGICAL IMAGING APPLICATION SOFTWARE	2		STANDARD			
14	APPLICATION SOFTWARE	ABDOMINAL IMAGING APPLICATION SOFTWARE	2		STANDARD			
15	APPLICATION SOFTWARE	PROCEDURAL GUIDANCE SOFTWARE	2		STANDARD			
8	APPLICATION SOFTWARE	INTERVENTIONAL GUIDANCE SOFTWARE	2		STANDARD			
16	APPLICATION SOFTWARE	NEEDLE ENHANCEMENT / NEEDLE VISUALIZATION SOFTWARE	2		STANDARD			
17	APPLICATION SOFTWARE	VASCULAR ACCESS GUIDANCE SOFTWARE	2		STANDARD			
9	APPLICATION SOFTWARE	NERVE BLOCK GUIDANCE SOFTWARE	2		STANDARD			
18	APPLICATION SOFTWARE	BIOPSY GUIDANCE SOFTWARE	2		STANDARD			

19	APPLICATION SOFTWARE	FLUID DRAINAGE GUIDANCE SOFTWARE	2		STANDARD			
10	APPLICATION SOFTWARE	IMAGE OPTIMIZATION SOFTWARE (AUTO OPTIMIZATION)	2		STANDARD			
20	APPLICATION SOFTWARE	TISSUE GAIN COMPENSATION (TGC) CONTROL SOFTWARE	2		STANDARD			
21	APPLICATION SOFTWARE	MEASUREMENT AND CALCULATION SOFTWARE PACKAGE	2		STANDARD			
11	APPLICATION SOFTWARE	IMAGE STORAGE AND REVIEW SOFTWARE	2		STANDARD			
22	APPLICATION SOFTWARE	CINE LOOP ACQUISITION AND PLAYBACK SOFTWARE	2		STANDARD			
23	APPLICATION SOFTWARE	IMAGE EXPORT AND DATA TRANSFER SOFTWARE	2		STANDARD			
12	APPLICATION SOFTWARE	DICOM COMPATIBILITY / DICOM EXPORT SOFTWARE	2		STANDARD			
24	APPLICATION SOFTWARE	MOBILE APPLICATION SOFTWARE FOR IOS	2		STANDARD			
25	APPLICATION SOFTWARE	MOBILE APPLICATION SOFTWARE FOR ANDROID	2		STANDARD			
13	APPLICATION SOFTWARE	SOFTWARE UPDATE AND UPGRADE LICENSE (LIFETIME, FREE)	2		STANDARD			
26	APPLICATION SOFTWARE	ALL DICOM, WORKLIST & CONNECTIVITY PACKAGE	2		STANDARD			
27	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			
28	ACCESSORY	BATTERY	2		STANDARD			
29	CONSUMABLE	ULTRASOUND GEL	5 BOTTLES		STANDARD			
15	CONSUMABLE	PROBE COVERS	1 PACK		STANDARD			
30		ANY OTHER PART TO MAKE SYSTEM COMPLETE & WORKING			STANDARD			

31		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.			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							

TYPE 9: ENTERPRISE ULTRASOUND REPORTING, ARCHIVAL & INTEGRATION SYSTEM WITH ADVANCED REPORTING SOFTWARE FOR RADIOLOGY, OBSTETRICS & GYNAECOLOGY, MATERNAL–FETAL MEDICINE, IVF, AND CARDIOLOGY APPLICATIONS								
	EQUIPMENT NAME	ENTERPRISE ULTRASOUND REPORTING, ARCHIVAL & INTEGRATION SYSTEM						
	VENDOR NAME							
	MAKE							
	MODEL NAME							

SNO	TYPE	ITEM NAME	QUANTITY	VENDOR CATALOGUE NUMBER	STANDARD/OPTIONAL/NOT AVAILABLE (PLEASE SPECIFY)	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	ENTERPRISE SERVER WITH NETWORK SWITCHES AS REQUIRED	1		STANDARD			
2	HARDWARE	POST PROCESSING WORKSTATION WITH 1 CONCURRENT LICENSES	4		STANDARD			
3	APPLICATION SOFTWARE	REPORTING, ARCHIVAL & INTEGRATION SYSTEM WITH ADVANCED REPORTING SOFTWARE FOR RADIOLOGY APPLICATIONS	1		STANDARD			

4	APPLICATION SOFTWARE	REPORTING, ARCHIVAL & INTEGRATION SYSTEM WITH ADVANCED REPORTING SOFTWARE FOR OBSTETRICS & GYNAECOLOGY APPLICATIONS	1		STANDARD			
5	APPLICATION SOFTWARE	REPORTING, ARCHIVAL & INTEGRATION SYSTEM WITH ADVANCED REPORTING SOFTWARE FOR MATERNAL–FATAL MEDICINE APPLICATIONS	1		STANDARD			
6	APPLICATION SOFTWARE	REPORTING, ARCHIVAL & INTEGRATION SYSTEM WITH ADVANCED REPORTING SOFTWARE FOR IVF-RELATED ULTRASOUND APPLICATIONS	1		STANDARD			
7	APPLICATION SOFTWARE	REPORTING, ARCHIVAL & INTEGRATION SYSTEM WITH ADVANCED REPORTING SOFTWARE FOR CARDIOLOGY APPLICATIONS	1		STANDARD			

8	APPLICATION SOFTWARE	SOFTWARE UPDATE AND UPGRADE LICENSE (LIFETIME, FREE)	1		STANDARD			
9	APPLICATION SOFTWARE	ALL DICOM, WORKLIST & CONNECTIVITY PACKAGE	1		STANDARD			
10	APPLICATION SOFTWARE	LICENSE FOR APPLICATION SOFTWARE OVER LIFETIME OF EQUIPMENT TO BE GIVEN	1		STANDARD			
11	APPLICATION SOFTWARE	LICENSE FOR OS OVER LIFETIME OF EQUIPMENT TO BE GIVEN	1		STANDARD			
15		ANY OTHER PART TO MAKE SYSTEM COMPLETE & WORKING			STANDARD			

16		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.			STANDARD			

SNO	OPTIONAL 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)
1		ADDITIONAL CONCURRENT LICENSE						

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 – COLOR DOPPLER WITH SHEAR WAVE ELASTOGRAPHY	2		STANDARD							
2	HARDWARE	CONVEX ARRAY (ABDOMINAL) – 1–7 MHZ; ABDOMEN, LIVER, OB, GYN WITH ALL APPLICATION LICENSE FOR LIFETIME	2		STANDARD							
3	HARDWARE	LINEAR ARRAY 2-14 MHZ; VASCULAR, MSK, THYROID, BREAST WITH ALL APPLICATION LICENSE FOR LIFETIME	2		STANDARD							
4	HARDWARE	PHASED ARRAY (CARDIAC) – 1–5 MHZ; ADULT CARDIOLOGY WITH ALL APPLICATION LICENSE FOR LIFETIME	2		STANDARD							
5	HARDWARE	ENDOCAVITARY (TV/TR) – 2–11 MHZ; TRANSVAGINAL / TRANSRECTAL WITH ALL APPLICATION LICENSE FOR LIFETIME	2		STANDARD							
6	HARDWARE	MICRO-CONVEX – 3–10 MHZ; PEDIATRIC, INTERCOSTAL WITH ALL APPLICATION LICENSE FOR LIFETIME	2		STANDARD							

7	HARDWARE	PEDIATRIC PHASED ARRAY – 2–8 MHZ; PEDIATRIC ECHO WITH ALL APPLICATION LICENSE FOR LIFETIME	2		STANDARD							
8	HARDWARE	HIGH FREQUENCY LINEAR – 3-22 MHZ; MSK, SMALL PARTS WITH ALL APPLICATION LICENSE FOR LIFETIME	2		STANDARD							
9	HARDWARE	HOCKEY STICK – 3–24 MHZ; SUPERFICIAL MSK, SURGERY WITH ALL APPLICATION LICENSE FOR LIFETIME	2		STANDARD							
10	HARDWARE	INTEGRATED CART/TROLLEY	2		STANDARD							
11	HARDWARE	MULTI-BEAM / PARALLEL PROCESSING	2		STANDARD							
12	HARDWARE	GEL WARMER	2		STANDARD							
13	SOFTWARE	IMAGE MANAGEMENT SOFTWARE WITH PROFESSIONAL REPORTING AND STRUCTURED EXAM DOCUMENTATION	2		STANDARD							
14	SOFTWARE	ADVANCED IMAGE REVIEW TOOLS INCLUDING CINE REVIEW, MEASUREMENT EDITING, AND ANNOTATION	2		STANDARD							
15	SOFTWARE	VOLUME ULTRASOUND POST-PROCESSING TOOLS (MPR, RENDERING, CROPPING, ROTATION)	2		STANDARD							
16	SOFTWARE	PATIENT-BASED ARCHIVE WITH LONGITUDINAL EXAM COMPARISON	2		STANDARD							
17	SOFTWARE	SIDE-BY-SIDE AND QUAD-VIEW COMPARISON DURING LIVE AND ARCHIVED REVIEW	2		STANDARD							
18	SOFTWARE	AUTOMATED LESION / CYST MEASUREMENT (MANUAL OVERRIDE AVAILABLE)	2		STANDARD							

19	SOFTWARE	AI-ASSISTED DOPPLER AUTOMATION (AUTO COLOR BOX PLACEMENT BASED ON VESSEL DETECTION)	2		STANDARD								
20	SOFTWARE	AI-BASED ORGAN RECOGNITION WITH AUTOMATIC PRESET SELECTION	2		STANDARD								
21	SOFTWARE	COMPREHENSIVE CALCULATION PACKAGES FOR OB/GYN, ABDOMINAL AND VASCULAR APPLICATIONS	2		STANDARD								
22	SOFTWARE	CEUS ANALYSIS PACKAGE INCLUDING TIME INTENSITY CURVE (TIC) GENERATION	2		STANDARD								
23	SOFTWARE	SHEAR WAVE ELASTOGRAPHY ANALYSIS PACKAGE:	2		STANDARD								
24	SOFTWARE	LIVER STEATOSIS QUANTIFICATION SOFTWARE (ADULT POPULATION)	2		STANDARD								
25	SOFTWARE	MICROVASCULAR FLOW VISUALIZATION SOFTWARE (NON-DOPPLER BASED)	2		STANDARD								
26	SOFTWARE	DICOM APPLICATION SOFTWARE (STORE, PRINT, WORKLIST, QUERY/RETRIEVE, MPPS)	2		STANDARD								
27	SOFTWARE	POST-PROCESSING SOFTWARE FOR ADJUSTMENT OF GAIN, DR, GRAY MAP, DOPPLER PARAMETERS ON STORED DATA	2		STANDARD								
28	SOFTWARE	NEEDLE ENHANCEMENT	2		STANDARD								
29	SOFTWARE	AUTO LESION BOUNDARY TRACING	2		STANDARD								
30	SOFTWARE	HIGH DEFINATION ZOOM & HD ZOOM	2		STANDARD								
31	SOFTWARE	IMAGE ANALYSIS AND MEASUREMENT SOFTWARE	2		STANDARD								

32	SOFTWARE	CARDIOVASCULAR IMAGING SOFTWARE	2		STANDARD							
33	SOFTWARE	OB/GYN SOFTWARE	2		STANDARD							
34	SOFTWARE	BREAST IMAGING SOFTWARE	2		STANDARD							
35	SOFTWARE	MUSCULOSKELETAL (MSK) SOFTWARE	2		STANDARD							
36	SOFTWARE	UROLOGY AND RENAL IMAGING SOFTWARE	2		STANDARD							
37	SOFTWARE	BIOPSY GUIDANCE SOFTWARE	2		STANDARD							
38	SOFTWARE	ADVANCED VISUALIZATION AND POST-PROCESSING SOFTWARE	2		STANDARD							
39	SOFTWARE	AI AND MACHINE LEARNING-ENHANCED SOFTWARE	2		STANDARD							
40	SOFTWARE	TISSUE HARMONIC IMAGING (THI)	2		STANDARD							
41	SOFTWARE	SPECKLE REDUCTION IMAGING	2		STANDARD							
42	SOFTWARE	AUTO IMAGE OPTIMIZATION	2		STANDARD							
43	SOFTWARE	COMPOUND IMAGING	2		STANDARD							
44	SOFTWARE	COLOR DOPPLER, POWER DOPPLER & DIRECTIONAL POWER DOPPLER	2		STANDARD							
45	SOFTWARE	SPECTRAL DOPPLER	2		STANDARD							
46	SOFTWARE	TRIPLEX MODE	2		STANDARD							
47	SOFTWARE	ELASTOGRAPHY / STRAIN ELASTOGRAPHY	2		STANDARD							
48	SOFTWARE	SHEAR WAVE ELASTOGRAPHY	2		STANDARD							
49	SOFTWARE	CONTRAST ENHANCED ULTRASOUND (CEUS)	2		STANDARD							
50	SOFTWARE	AUTO IMT	2		STANDARD							
51	SOFTWARE	PANORAMIC IMAGING	2		STANDARD							
52	SOFTWARE	CODED EXCITATION	2		STANDARD							

53	SOFTWARE	REPORTING SOFTWARE PACKAGE (IN-BUILT)	2		STANDARD							
54	SOFTWARE	SPATIO-TEMPORAL IMAGE CORRELATION	2		STANDARD							
55	SOFTWARE	MULTIPARAMETRIC LIVER ANALYSIS SOFTWARE – HEPATO-RENAL INDEX	2		STANDARD							
56	SOFTWARE	MULTIPARAMETRIC LIVER ANALYSIS SOFTWARE – TISSUE ATTENUATION IMAGING	2		STANDARD							
57	SOFTWARE	ONE-PAGE MULTIPARAMETRIC LIVER REPORT GENERATION	2		STANDARD							
58	SOFTWARE	ADVANCED SHEAR WAVE ELASTOGRAPHY WITH AUTOMATIC FRAME SELECTION AND ROI PLACEMENT	2		STANDARD							
59	SOFTWARE	STIC (SPATIO-TEMPORAL IMAGE CORRELATION) SOFTWARE FOR FETAL CARDIAC EVALUATION	2		STANDARD							
60	SOFTWARE	ADVANCED FETAL CARDIAC QUANTIFICATION PACKAGES	2		STANDARD							
61	SOFTWARE	FUSION IMAGING AND VOLUME NAVIGATION SOFTWARE WITH AUTO-REGISTRATION	2		STANDARD							
62	SOFTWARE	3D-LIKE HEMODYNAMIC COLOR DOPPLER VISUALIZATION SOFTWARE	2		STANDARD							
63	SOFTWARE	ADVANCED CEUS ANALYSIS WITH MOTION COMPENSATION	2		STANDARD							
64	SOFTWARE	CEUS FEEDER VESSEL IDENTIFICATION USING TIME-OF-ARRIVAL ANALYSIS	2		STANDARD							
65	SOFTWARE	REMOTE SERVICE SOLUTIONS	2		STANDARD							
66	SOFTWARE	LICENSE FOR APPLICATION SOFTWARE OVER LIFETIME OF EQUIPMENT TO BE GIVEN	2		STANDARD							

67	SOFTWARE	LICENSE FOR OS OVER LIFETIME OF EQUIPMENT TO BE GIVEN	2		STANDARD							
68	SOFTWARE	LICENSE FOR ANTIVIRUS OVER LIFETIME OF EQUIPMENT TO BE GIVEN	2		STANDARD							
69	ACCESSORY	PROBE HOLDERS	2		STANDARD							
70	ACCESSORY	PROBE CABLE HOOKS	2		STANDARD							
71	ACCESSORY	KEYBOARD COVER	2		STANDARD							
72	ACCESSORY	POWER CABLE (INDIAN STANDARD)	2		STANDARD							
73	ACCESSORY	BIOPSY GUIDE-CONVEX PROBE	2		STANDARD							
74	HARDWARE OEM	EM FILTER	2		STANDARD							
75	HARDWARE OEM	LASER PRINTER-COLOUR	2		STANDARD							
76	HARDWARE OEM	THERMAL PRINTER	2		STANDARD							
77	HARDWARE OEM	UPS - AS REQUIRED	2		STANDARD							
78	CONSUMABLE	ULTRASOUND GEL	10 BOTTLES		STANDARD							
79	CONSUMABLE	PROBE COVERS	2 PACK		STANDARD							
80		ANY OTHER PART TO MAKE SYSTEM 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.										
GRAND TOTAL:												
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	BIOPSY COMPATIBLE PROBES – (CONVEX, TV, LINEAR AS APPLICABLE); INTERVENTIONAL PROCEDURES			OPTIONAL							
2	OTHERS CAN BE ADDED BELOW											

TYPE 2- MASTER HEALTH CHECKUP												
	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	ULTRASOUND SYSTEM – COLOR DOPPLER WITH SHEAR WAVE ELASTOGRAPHY	1		STANDARD							
2	HARDWARE	THE SYSTEM SHALL INCLUDE A SINGLE-CRYSTAL CONVEX PROBE WITHIN A FREQUENCY RANGE OF ANYWHERE BETWEEN 1–7 MHZ, WITH ALL APPLICATION LICENSE FOR LIFETIME	1		STANDARD							
3	HARDWARE	THE SYSTEM SHALL INCLUDE A LINEAR ARRAY PROBE WITHIN A FREQUENCY RANGE OF ANYWHERE BETWEEN 2–14 MHZ WITH ALL APPLICATION LICENSE FOR LIFETIME	1		STANDARD							
4	HARDWARE	INTEGRATED CART/TROLLEY	1		STANDARD							
5	HARDWARE	MULTI-BEAM / PARALLEL PROCESSING	1		STANDARD							
6	HARDWARE	GEL WARMER	1		STANDARD							
7	SOFTWARE	IMAGE MANAGEMENT SOFTWARE WITH PROFESSIONAL REPORTING AND STRUCTURED EXAM DOCUMENTATION	1		STANDARD							
8	SOFTWARE	ADVANCED IMAGE REVIEW TOOLS INCLUDING CINE REVIEW, MEASUREMENT EDITING, AND ANNOTATION	1		STANDARD							
9	SOFTWARE	VOLUME ULTRASOUND POST-PROCESSING TOOLS (MPR, RENDERING, CROPPING, ROTATION)	1		STANDARD							

10	SOFTWARE	PATIENT-BASED ARCHIVE WITH LONGITUDINAL EXAM COMPARISON	1		STANDARD							
11	SOFTWARE	SIDE-BY-SIDE AND QUAD-VIEW COMPARISON DURING LIVE AND ARCHIVED REVIEW	1		STANDARD							
12	SOFTWARE	AUTOMATED LESION / CYST MEASUREMENT (MANUAL OVERRIDE AVAILABLE)	1		STANDARD							
13	SOFTWARE	AI-ASSISTED DOPPLER AUTOMATION (AUTO COLOR BOX PLACEMENT BASED ON VESSEL DETECTION)	1		STANDARD							
14	SOFTWARE	AI-BASED ORGAN RECOGNITION WITH AUTOMATIC PRESET SELECTION	1		STANDARD							
15	SOFTWARE	COMPREHENSIVE CALCULATION PACKAGES FOR OB/GYN, ABDOMINAL AND VASCULAR APPLICATIONS	1		STANDARD							
16	SOFTWARE	CEUS ANALYSIS PACKAGE INCLUDING TIME INTENSITY CURVE (TIC) GENERATION	1		STANDARD							
17	SOFTWARE	SHEAR WAVE ELASTOGRAPHY ANALYSIS PACKAGE:	1		STANDARD							
18	SOFTWARE	LIVER STEATOSIS QUANTIFICATION SOFTWARE (ADULT POPULATION)	1		STANDARD							
19	SOFTWARE	MICROVASCULAR FLOW VISUALIZATION SOFTWARE (NON-DOPPLER BASED)	1		STANDARD							
20	SOFTWARE	DICOM APPLICATION SOFTWARE (STORE, PRINT, WORKLIST, QUERY/RETRIEVE, MPPS)	1		STANDARD							
21	SOFTWARE	POST-PROCESSING SOFTWARE FOR ADJUSTMENT OF GAIN, DR, GRAY MAP, DOPPLER PARAMETERS ON STORED DATA	1		STANDARD							
22	SOFTWARE	NEEDLE ENHANCEMENT	1		STAND							

					ARD							
23	SOFTWARE	AUTO LESION BOUNDARY TRACING	1		STANDARD							
24	SOFTWARE	HIGH DEFINATION ZOOM & HD ZOOM	1		STANDARD							
25	SOFTWARE	IMAGE ANALYSIS AND MEASUREMENT SOFTWARE	1		STANDARD							
26	SOFTWARE	CARDIOVASCULAR IMAGING SOFTWARE	1		STANDARD							
27	SOFTWARE	OB/GYN SOFTWARE	1		STANDARD							
28	SOFTWARE	BREAST IMAGING SOFTWARE	1		STANDARD							
29	SOFTWARE	MUSCULOSKELETAL (MSK) SOFTWARE	1		STANDARD							
30	SOFTWARE	UROLOGY AND RENAL IMAGING SOFTWARE	1		STANDARD							
31	SOFTWARE	ADVANCED VISUALIZATION AND POST-PROCESSING SOFTWARE	1		STANDARD							
32	SOFTWARE	AI AND MACHINE LEARNING-ENHANCED SOFTWARE	1		STANDARD							
33	SOFTWARE	TISSUE HARMONIC IMAGING (THI)	1		STANDARD							
34	SOFTWARE	SPECKLE REDUCTION IMAGING	1		STANDARD							
35	SOFTWARE	AUTO IMAGE OPTIMIZATION	1		STANDARD							
36	SOFTWARE	COMPOUND IMAGING	1		STANDARD							
37	SOFTWARE	COLOR DOPPLER, POWER DOPPLER & DIRECTIONAL POWER DOPPLER	1		STANDARD							
38	SOFTWARE	SPECTRAL DOPPLER	1		STANDARD							
39	SOFTWARE	TRIPLEX MODE	1		STANDARD							
40	SOFTWARE	ELASTOGRAPHY / STRAIN ELASTOGRAPHY	1		STANDARD							
41	SOFTWARE	SHEAR WAVE ELASTOGRAPHY	1		STANDARD							
42	SOFTWARE	CONTRAST ENHANCED ULTRASOUND (CEUS)	1		STANDARD							
43	SOFTWARE	AUTO IMT	1		STANDARD							

44	SOFTWARE	PANORAMIC IMAGING	1		STANDARD							
45	SOFTWARE	CODED EXCITATION	1		STANDARD							
46	SOFTWARE	REPORTING SOFTWARE PACKAGE (IN-BUILT)	1		STANDARD							
47	SOFTWARE	SPATIO-TEMPORAL IMAGE CORRELATION	1		STANDARD							
48	SOFTWARE	MULTIPARAMETRIC LIVER ANALYSIS SOFTWARE – HEPATO-RENAL INDEX	1		STANDARD							
49	SOFTWARE	MULTIPARAMETRIC LIVER ANALYSIS SOFTWARE – TISSUE ATTENUATION IMAGING	1		STANDARD							
50	SOFTWARE	ONE-PAGE MULTIPARAMETRIC LIVER REPORT GENERATION	1		STANDARD							
51	SOFTWARE	ADVANCED SHEAR WAVE ELASTOGRAPHY WITH AUTOMATIC FRAME SELECTION AND ROI PLACEMENT	1		STANDARD							
52	SOFTWARE	STIC (SPATIO-TEMPORAL IMAGE CORRELATION) SOFTWARE FOR FETAL CARDIAC EVALUATION	1		STANDARD							
53	SOFTWARE	3D-LIKE HEMODYNAMIC COLOR DOPPLER VISUALIZATION SOFTWARE	1		STANDARD							
54	SOFTWARE	ADVANCED CEUS ANALYSIS WITH MOTION COMPENSATION	1		STANDARD							
55	SOFTWARE	CEUS FEEDER VESSEL IDENTIFICATION USING TIME-OF-ARRIVAL ANALYSIS	1		STANDARD							
56	SOFTWARE	REMOTE SERVICE SOLUTIONS	1		STANDARD							
57	SOFTWARE	LICENSE FOR APPLICATION SOFTWARE OVER LIFETIME OF EQUIPMENT TO BE GIVEN	1		STANDARD							
58	SOFTWARE	LICENSE FOR OS OVER LIFETIME OF EQUIPMENT TO BE GIVEN	1		STANDARD							

59	SOFTWARE	LICENSE FOR ANTIVIRUS OVER LIFETIME OF EQUIPMENT TO BE GIVEN	1		STANDARD							
60	ACCESSORY	PROBE HOLDERS	1		STANDARD							
61	ACCESSORY	PROBE CABLE HOOKS	1		STANDARD							
62	ACCESSORY	KEYBOARD COVER	1		STANDARD							
63	ACCESSORY	POWER CABLE (INDIAN STANDARD)	1		STANDARD							
64	HARDWARE OEM	EM FILTER	1		STANDARD							
65	HARDWARE OEM	LASER PRINTER-COLOUR	1		STANDARD							
66	HARDWARE OEM	THERMAL PRINTER	1		STANDARD							
67	HARDWARE OEM	UPS - AS REQUIRED	1		STANDARD							
68	CONSUMABLE	ULTRASOUND GEL	5 BOTTLES		STANDARD							
69	CONSUMABLE	PROBE COVERS	1 PACK		STANDARD							
70		ANY OTHER PART TO MAKE SYSTEM COMPLETE & WORKING			STANDARD							
71		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			STANDARD							

		PURPOSES.										
GRAND TOTAL:												
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	MICRO-CONVEX PROBE WITHIN A FREQUENCY RANGE OF ANYWHERE BETWEEN 3–10 MHZ			OPTIONAL							
2	HARDWARE	TRANSVAGINAL/TRANSRECTAL PROBE WITHIN A FREQUENCY RANGE OF ANYWHERE BETWEEN 2–11 MHZ			OPTIONAL							
3	HARDWARE	1–5 MHZ OR MORE ADULT CARDIAC PROBE.			OPTIONAL							
4	HARDWARE	HIGH-FREQUENCY HOCKEY STICK LINEAR PROBE WITHIN A FREQUENCY RANGE OF ANYWHERE BETWEEN 7–19 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							
7	SOFTWARE	BIOPSY GUIDANCE SOFTWARE			OPTIONAL							
8	OTHERS CAN BE											

	ADDED BELOW											

TYPE 3-OBSTETRICS AND GYNAECOLOGY												
	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	3D/4D ULTRASOUND SCANNER WITH DISPLAY ON	1		STANDARD							
2	HARDWARE	LINEAR ARRAY 3-14MHZ WITH ALL APPLICATION LICENSE FOR LIFETIME	1		STANDARD							
3	HARDWARE	CURVED ARRAY 1-7MHZ WITH ALL APPLICATION LICENSE FOR LIFETIME	1		STANDARD							
4	HARDWARE	3D/4D TV/TR PROB 2-10MHZ (FOV - AT LEAST 200 DEGREE OR MORE, FOOTPRINT SIZE - LESS THAN 25 X 25MM) OR BETTER WITH ALL APPLICATION LICENSE FOR LIFETIME	1		STANDARD							
5	HARDWARE	HIGH FREQUENCY CONVEX PROBE 1-9MHZ WITH ALL APPLICATION LICENSE FOR LIFETIME	1		STANDARD							
6	HARDWARE	3D/4D CONVEX PROBE 1-8MHZ WITH ALL APPLICATION LICENSE FOR LIFETIME	1		STANDARD							
7	HARDWARE	DVD / LAN / USB CONNECTIVITY / FULL DICOM / 4 PROBE PORTS - INTEGRATED	1		STANDARD							
8	HARDWARE	GEL WARMER	1		STANDARD							
9	HARDWARE	INTEGRATED CART OR TROLLEY	1		STANDARD							

10	APPLICATION SOFTWARE	IMAGE ANALYSIS AND MEASUREMENT SOFTWARE	1		STANDARD							
11	APPLICATION SOFTWARE	REPORTING SOFTWARE PACKAGE (IN-BUILT)	1		STANDARD							
12	APPLICATION SOFTWARE	ALL OB/GYN SOFTWARE	1		STANDARD							
13	APPLICATION SOFTWARE	FOETAL IMAGING SOFTWARE	1		STANDARD							
14	APPLICATION SOFTWARE	BREAST IMAGING SOFTWARE	1		STANDARD							
15	APPLICATION SOFTWARE	INTERVENTIONAL AND NEEDLE GUIDANCE SOFTWARE	1		STANDARD							
16	APPLICATION SOFTWARE	ADVANCED VISUALIZATION AND POST-PROCESSING SOFTWARE	1		STANDARD							
17	APPLICATION SOFTWARE	AI AND MACHINE LEARNING-ENHANCED SOFTWARE	1		STANDARD							
18	APPLICATION SOFTWARE	REMOTE SERVICE SOLUTIONS	1		STANDARD							
19	APPLICATION SOFTWARE	3D/4D LIVE IMAGING	1		STANDARD							
20	APPLICATION SOFTWARE	STIC (SPATIO TEMPORAL IMAGE CORRELATION)	1		STANDARD							
21	APPLICATION SOFTWARE	AUTO NT (NUCHAL TRANSLUCENCY)	1		STANDARD							
22	APPLICATION SOFTWARE	AUTO BPD, FL, AC, HC MEASUREMENT	1		STANDARD							
23	APPLICATION SOFTWARE	FOETAL GROWTH MONITOR (HADLOCK, SHEPARD CURVES)	1		STANDARD							
24	APPLICATION SOFTWARE	AUTO FOLLICLE COUNT	1		STANDARD							
25	APPLICATION SOFTWARE	FOETAL HEART RATE ANALYSIS	1		STANDARD							
26	APPLICATION SOFTWARE	FOETAL DOPPLER ANALYSIS	1		STANDARD							
27	APPLICATION SOFTWARE	3D UTERINE EVALUATION	1		STANDARD							
28	APPLICATION SOFTWARE	ELASTOGRAPHY	1		STANDARD							
29	APPLICATION SOFTWARE	AUTO OB REPORT GENERATION	1		STANDARD							
30	APPLICATION SOFTWARE	ALL DICOM, WORKLIST & CONNECTIVITY PACKAGE	1		STANDARD							

31	APPLICATION SOFTWARE	DICOM STRUCTURED REPORTING	1		STANDARD							
32	APPLICATION SOFTWARE	WINDOWS OR ANY SUITABLE PLATFORM	1		STANDARD							
33	APPLICATION SOFTWARE	ANY STANDARD ANTI VIRUS SOFTWARE	1		STANDARD							
34	APPLICATION SOFTWARE	LICENSE FOR APPLICATION SOFTWARE OVER LIFETIME OF EQUIPMENT TO BE GIVEN	1		STANDARD							
35	APPLICATION SOFTWARE	LICENSE FOR OS OVER LIFETIME OF EQUIPMENT TO BE GIVEN	1		STANDARD							
36	APPLICATION SOFTWARE	LICENSE FOR ANTIVIRUS OVER LIFETIME OF EQUIPMENT TO BE GIVEN	1		STANDARD							
37	APPLICATION SOFTWARE	BIOPSY GUIDANCE SOFTWARE	1		STANDARD							
38	APPLICATION SOFTWARE	PATIENT IMAGE SHARING SOFTWARE (DIRECT IMAGE SHARING FROM ULTRASOUND CONSOLE TO SMARTPHONE)	1		STANDARD							
39	ACCESSORY	BIOPSY GUIDE - COMPATIBLE WITH TRANSVAGINAL (TV) PROBE & CONVEX PROBE	1 EACH		STANDARD							
40	ACCESSORY	PROBE HOLDERS AND PROBE CABLE HOOKS	1		STANDARD							
41	ACCESSORY	BATTERY	1		STANDARD							
42	ACCESSORY	KEYBOARD COVER	1		STANDARD							
43	ACCESSORY	POWER CABLE (INDIAN STANDARD)	1		STANDARD							
44	HARDWARE OEM	EM FILTER	1		STANDARD							
45	HARDWARE OEM	LASER PRINTER-COLOUR	1		STANDARD							
46	HARDWARE OEM	THERMAL PRINTER	1		STANDARD							
47	HARDWARE OEM	UPS - AS REQUIRED	1		STANDARD							
48	CONSUMABLE	ULTRASOUND GEL	5 BOTTLES		STANDARD							
49	CONSUMABLE	PROBE COVERS	1 PACK		STANDARD							

50		ANY OTHER PART TO MAKE SYSTEM COMPLETE & WORKING	AS REQUIRED		STANDARD								
51		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	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)	UNIT PRICE	TOTAL COST FOR THE QUANTITY MENTIONED	GST %	TOTAL COST WITH GST
1	HARDWARE	HIGH FREQUENCY LINEAR ARRAY PROBE 7-15MHZ	1		OPTIONAL							
2	HARDWARE	MATRIX VOLUME CONVEX PROBE 2-8 MHZ	1		OPTIONAL							
3	OTHERS CAN BE ADDED BELOW											

TYPE 4-IN VITRO FERTILIZATION												
	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	3D/4D ULTRASOUND SCANNER WITH MEDICAL GRADE DISPLAY	1		STANDARD							
2	HARDWARE	2D TV PROBE 2-11MHZ (FOV - AT LEAST 185 DEGREE OR MORE, FOOTPRINT SIZE - LESS THAN 22 X 20MM) OR BETTER WITH ALL APPLICATION LICENSE FOR LIFETIME	1		STANDARD							
3	HARDWARE	4D TV PROBE 2-10MHZ (FOV - AT LEAST 185 DEGREE OR MORE, FOOTPRINT SIZE - LESS THAN 23 X 23MM) OR BETTER WITH ALL APPLICATION LICENSE FOR LIFETIME	1		STANDARD							
4	HARDWARE	2D CONVEX PROBE 1-7MHZ WITH ALL APPLICATION LICENSE FOR LIFETIME	1		STANDARD							
5	HARDWARE	4D CONVEX PROBE (2-6MHZ, ±1 MHZ) WITH ALL APPLICATION LICENSE FOR LIFETIME	1		STANDARD							
6	HARDWARE	DVD / LAN / USB CONNECTIVITY / FULL DICOM / 4 PROBE PORTS - INTEGRATED	1		STANDARD							
7	HARDWARE	GEL WARMER	1		STANDARD							
8	HARDWARE	INTEGRATED CART OR TROLLEY	1		STANDARD							
9	APPLICATION SOFTWARE	ALL IVF SOFTWARE	1		STANDARD							
10	APPLICATION SOFTWARE	M-MODE & ANATOMICAL M-MODE SOFTWARE	1		STANDARD							
11	APPLICATION SOFTWARE	TISSUE DOPPLER & HEMODYNAMIC FLOW ANALYSIS SOFTWARE	1		STANDARD							
12	APPLICATION SOFTWARE	ADVANCED VASCULAR & PERFUSION IMAGING	1		STANDARD							

		SOFTWARE										
13	APPLICATION SOFTWARE	MULTISLICE & MPR VOLUME RECONSTRUCTION SOFTWARE	1		STANDARD							
14	APPLICATION SOFTWARE	PELVIC FLOOR ANATOMY ANALYSIS SOFTWARE	1		STANDARD							
15	APPLICATION SOFTWARE	UTERINE PATHOLOGY ANALYSIS SOFTWARE (FIBROIDS / FIGO MAPPING)	1		STANDARD							
16	APPLICATION SOFTWARE	IMAGE OPTIMIZATION, PRESET & AUTO-OPTIMIZATION SOFTWARE	1		STANDARD							
17	APPLICATION SOFTWARE	WIRELESS PROBE INTEGRATION & MOBILITY MANAGEMENT SOFTWARE	1		STANDARD							
18	APPLICATION SOFTWARE	IMAGE ANALYSIS AND MEASUREMENT SOFTWARE	1		STANDARD							
19	APPLICATION SOFTWARE	REPORTING SOFTWARE PACKAGE (IN-BUILT)	1		STANDARD							
20	APPLICATION SOFTWARE	FOETAL IMAGING SOFTWARE	1		STANDARD							
21	APPLICATION SOFTWARE	INTERVENTIONAL AND NEEDLE GUIDANCE SOFTWARE	1		STANDARD							
22	APPLICATION SOFTWARE	ADVANCED VISUALIZATION AND POST-PROCESSING SOFTWARE	1		STANDARD							
23	APPLICATION SOFTWARE	AI AND MACHINE LEARNING-ENHANCED SOFTWARE	1		STANDARD							
24	APPLICATION SOFTWARE	3D/4D LIVE IMAGING	1		STANDARD							
25	APPLICATION SOFTWARE	AUTO NT (NUCHAL TRANSLUCENCY)	1		STANDARD							
26	APPLICATION SOFTWARE	AUTOMATED FOLLICLE TRACKING SOFTWARE	1		STANDARD							
27	APPLICATION SOFTWARE	3D UTERINE EVALUATION	1		STANDARD							
28	APPLICATION SOFTWARE	ELASTOGRAPHY	1		STANDARD							
29	APPLICATION SOFTWARE	ENDOMETRIAL ANALYSIS SOFTWARE	1		STANDARD							
30	APPLICATION SOFTWARE	COLOR DOPPLER	1		STANDARD							
31	APPLICATION SOFTWARE	POWER DOPPLER	1		STANDARD							

32	APPLICATION SOFTWARE	PULSED WAVE DOPPLER	1		STANDARD							
33	APPLICATION SOFTWARE	AUTO IVF REPORT GENERATION	1		STANDARD							
34	APPLICATION SOFTWARE	REMOTE SERVICE SOLUTIONS	1		STANDARD							
35	APPLICATION SOFTWARE	ALL DICOM, WORKLIST & CONNECTIVITY PACKAGE	1		STANDARD							
36	APPLICATION SOFTWARE	DICOM STRUCTURED REPORTING	1		STANDARD							
37	APPLICATION SOFTWARE	LICENSE FOR APPLICATION SOFTWARE OVER LIFETIME OF EQUIPMENT TO BE GIVEN	1		STANDARD							
38	APPLICATION SOFTWARE	LICENSE FOR OS OVER LIFETIME OF EQUIPMENT TO BE GIVEN	1		STANDARD							
39	APPLICATION SOFTWARE	LICENSE FOR ANTIVIRUS OVER LIFETIME OF EQUIPMENT TO BE GIVEN	1		STANDARD							
40	APPLICATION SOFTWARE	BIOPSY GUIDANCE SOFTWARE	1		STANDARD							
41	APPLICATION SOFTWARE	PATIENT IMAGE SHARING SOFTWARE (DIRECT IMAGE SHARING FROM ULTRASOUND CONSOLE TO SMARTPHONE)	1		STANDARD							
42	ACCESSORY	BIOPSY GUIDE - COMPATIBLE WITH TRANSVAGINAL (TV) PROBE	1		STANDARD							
43	ACCESSORY	PROBE HOLDERS	1		STANDARD							
44	ACCESSORY	PROBE CABLE HOOKS	1		STANDARD							
45	ACCESSORY	KEYBOARD COVER	1		STANDARD							
46	ACCESSORY	POWER CABLE (INDIAN STANDARD)	1		STANDARD							
47	HARDWARE OEM	EM FILTER	1		STANDARD							
48	HARDWARE OEM	LASER PRINTER-COLOUR	1		STANDARD							
49	HARDWARE OEM	THERMAL PRINTER	1		STANDARD							
50	HARDWARE OEM	UPS - AS REQUIRED	1		STANDARD							

51	CONSUMABLE	ULTRASOUND GEL	5 BOTTLES		STANDARD							
52	CONSUMABLE	PROBE COVERS	1 PACK		STANDARD							
53		ANY OTHER PART TO MAKE SYSTEM COMPLETE & WORKING	AS REQUIRED		STANDARD							
54		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	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)	UNIT PRICE	TOTAL COST FOR THE QUANTITY MENTIONED	GST %	TOTAL COST WITH GST
1	HARDWARE	HIGH FREQUENCY CONVEX PROBE 2-8MHZ			OPTIONAL							
2	HARDWARE	LINEAR PROBE 10–15 MHZ			OPTIONAL							
3	HARDWARE	MATRIX VOLUME CONVEX PROBE WITHIN A FREQUENCY RANGE OF ANYWHERE BETWEEN 2–8 MHZ.			OPTIONAL							
4	HARDWARE											

5	OTHERS OPTIONS NOT CONSIDERED SHOULD BE ADDED BELOW												

TYPE 5-CARDIOLOGY -PORTABLE												
	EQUIPMENT NAME	PORTABLE ULTRASOUND/ECHO										
	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 4D ULTRASOUND SCANNER WITH MEDICAL GRADE DISPLAY	1		STANDARD							
2	HARDWARE	LINEAR ARRAY TRANSDUCER 4–12 MHZ. WITH ALL APPLICATION SOFTWARE LICENSE FOR LIFETIME	1		STANDARD							
3	HARDWARE	CURVED ARRAY PROBE 1–7 MHZ, WITH ALL APPLICATION SOFTWARE LICENSE FOR LIFETIME	1		STANDARD							
4	HARDWARE	ADULT PHASED ARRAY 1-5 MHZ. WITH ALL APPLICATION SOFTWARE LICENSE FOR LIFETIME	1		STANDARD							
5	HARDWARE	3D/4D ADULT TEE TRANSDUCER 3–8 MHZ. WITH ALL APPLICATION SOFTWARE LICENSE FOR LIFETIME	1		STANDARD							

6	HARDWARE	INTRA-CARDIAC ECHOCARDIOGRAPHY (ICE) INTERFACE MODULE WITH ALL APPLICATION SOFTWARE LICENSE FOR LIFETIME	1		STANDARD							
7	HARDWARE	DVD / LAN / USB CONNECTIVITY / FULL DICOM	1		STANDARD							
8	HARDWARE	INTEGRATED CART WITH 3 PROBE CONNECTIVITY	1		STANDARD							
9	APPLICATION SOFTWARE	CARDIOLOGY SOFTWARE	1		STANDARD							
10	APPLICATION SOFTWARE	IMAGE ANALYSIS AND MEASUREMENT SOFTWARE	1		STANDARD							
11	APPLICATION SOFTWARE	REPORTING SOFTWARE PACKAGE (IN-BUILT)	1		STANDARD							
12	APPLICATION SOFTWARE	ADVANCED VISUALIZATION AND POST-PROCESSING SOFTWARE	1		STANDARD							
13	APPLICATION SOFTWARE	AI AND MACHINE LEARNING-ENHANCED SOFTWARE	1		STANDARD							
14	APPLICATION SOFTWARE	ALL DICOM, WORKLIST & CONNECTIVITY PACKAGE	1		STANDARD							
15	APPLICATION SOFTWARE	DICOM STRUCTURED REPORTING	1		STANDARD							
16	APPLICATION SOFTWARE	LICENSE FOR APPLICATION SOFTWARE OVER LIFETIME OF EQUIPMENT TO BE GIVEN	1		STANDARD							
17	APPLICATION SOFTWARE	LICENSE FOR OS OVER LIFETIME OF EQUIPMENT TO BE GIVEN	1		STANDARD							
18	APPLICATION SOFTWARE	LICENSE FOR ANTIVIRUS OVER LIFETIME OF EQUIPMENT TO BE GIVEN	1		STANDARD							
19	ACCESSORY	BATTERY										
20	ACCESSORY	PROBE HOLDERS	1		STANDARD							
21	ACCESSORY	PROBE CABLE HOOKS	1		STANDARD							

22	ACCESSORY	KEYBOARD COVER	1		STANDARD							
23	ACCESSORY	POWER CABLE (INDIAN STANDARD)	1		STANDARD							
24	HARDWARE OEM	LASER PRINTER-COLOUR	1		STANDARD							
25	HARDWARE OEM	THERMAL PRINTER	1		STANDARD							
26	CONSUMABLE	ULTRASOUND GEL	5 BOTTLES		STANDARD							
27	CONSUMABLE	PROBE COVERS	1 PACK		STANDARD							
28	CONSUMABLE	ICE CATHETER (2D &3D)	1		STANDARD							
29		ANY OTHER PART TO MAKE SYSTEM COMPLETE & WORKING										
30		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.			STANDARD							
									GRAND TOTAL			

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	2D ADULT TTE 1–5 MHZ.			OPTIONAL							
2	HARDWARE	2D PEDIATRIC TEE 3–10 MHZ.			OPTIONAL							
3	HARDWARE	PEDIATRIC CARDIAC PROBE 2–8 MHZ.			OPTIONAL							
4	HARDWARE	NEONATAL CARDIAC PROBE 4–12 MHZ.			OPTIONAL							
5	HARDWARE	HIGH-FREQUENCY LINEAR (4 – 18 MHZ)-DETAILED LUNG & VASCULAR IMAGING			OPTIONAL							
6	OTHERS CAN BE ADDED				OPTIONAL							

TYPE 6-INTRA OP-PORTABLE(MULTISPECIALITY)

	EQUIPMENT NAME	HIGH END INTRAOPERATIVE ULTRASOUND FOR SURGERIES
	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	MAIN UNIT	1 NO		STANDARD							

2	HARDWARE AND SOFTWARE	3–13 MHZ OR BETTER LAPAROSCOPIC FOUR-WAY DEFLECTABLE CONVEX ARRAY TRANSDUCER WITH REQUIRED OEM ACTIVATION SOFTWARE/LICENSES FOR LAPAROSCOPIC SURGERY APPLICATIONS.	1 SET		STANDARD							
3	HARDWARE AND SOFTWARE	4–12 MHZ OR BETTER ABDOMINAL DROP-IN CONVEX ARRAY TRANSDUCER COMPATIBLE WITH ROBOTIC SURGICAL SYSTEMS, SUPPLIED WITH REQUIRED OEM ACTIVATION SOFTWARE/LICENSES FOR ROBOTIC SURGERY.	1 SET		STANDARD							
4	HARDWARE AND SOFTWARE	TRANSRECTAL ULTRASOUND TRANSDUCER SUPPLIED WITH REQUIRED OEM ACTIVATION SOFTWARE/LICENSES FOR UROLOGICAL SURGERY APPLICATIONS.	1 SET		STANDARD							
5	HARDWARE AND SOFTWARE	4–14 MHZ OR BETTER TRANSRECTAL ULTRASOUND TRANSDUCER FOR TRANSPERINEAL APPROACH, SUPPLIED WITH REQUIRED OEM ACTIVATION SOFTWARE/LICENSES FOR UROLOGICAL SURGERY.	1 SET		STANDARD							

6	HARDWARE AND SOFTWARE	2–6 MHZ OR BETTER CONVEX ABDOMINAL ULTRASOUND TRANSDUCER SUPPLIED WITH REQUIRED OEM ACTIVATION SOFTWARE/LICENSES FOR ABDOMINAL AND UROLOGICAL IMAGING APPLICATIONS.	1 SET		STANDARD							
7	HARDWARE AND SOFTWARE	SIMULTANEOUS BIPLANE IMAGING ULTRASOUND TRANSDUCER WITH TRANSVERSE AND SAGITTAL ARRAYS, SUPPLIED WITH REQUIRED OEM ACTIVATION SOFTWARE/LICENSES FOR HEPATOBILIARY AND PANCREATIC (HBP) SURGERY.	1 SET		STANDARD							
8	SOFTWARE	ALL DICOM, WORKLIST & CONNECTIVITY PACKAGE	1 SET		STANDARD							
9	SOFTWARE	LICENSE FOR APPLICATION SOFTWARE OVER LIFETIME OF EQUIPMENT TO BE GIVEN	1 SET		STANDARD							
10	SOFTWARE	LICENSE FOR OS OVER LIFETIME OF EQUIPMENT TO BE GIVEN	1 SET		STANDARD							

11	SOFTWARE	LICENSE FOR ANTIVIRUS OVER LIFETIME OF EQUIPMENT TO BE GIVEN	1 SET		STANDARD							
12	CONSUMABLE	BIOPSY NEEDLE GUIDE COMPATIBLE WITH 2–14 MHZ OR BETTER TRANSRECTAL ULTRASOUND TRANSDUCER FOR TRANSPERINEAL APPROACH IN UROLOGICAL SURGERY.	3 NOS		STANDARD							
13	CONSUMABLE	BIOPSY NEEDLE GUIDE COMPATIBLE WITH 2–6 MHZ (±3 MHZ VARIATION) OR BETTER CONVEX ABDOMINAL ULTRASOUND TRANSDUCER FOR ABDOMINAL AND UROLOGICAL APPLICATIONS.	3 NOS		STANDARD							
14	CONSUMABLE	BIOPSY NEEDLE GUIDE COMPATIBLE WITH TRANSRECTAL ULTRASOUND TRANSDUCER FOR UROLOGICAL SURGERY APPLICATIONS.	3 NOS		STANDARD							
15	CONSUMABLE	BIOPSY NEEDLE GUIDE COMPATIBLE WITH SIMULTANEOUS BIPLANE IMAGING ULTRASOUND TRANSDUCER WITH TRANSVERSE AND SAGITTAL ARRAYS FOR HEPATOBILIARY AND PANCREATIC (HBP) SURGERY.	3 NOS		STANDARD							

16	CONSUMABLE	BIOPSY NEEDLE GUIDE COMPATIBLE WITH 4–14 MHZ OR BETTER TRANSRECTAL ULTRASOUND TRANSDUCER FOR TRANSPERINEAL APPROACH IN UROLOGICAL SURGERY.	3 NOS		STANDARD							
17	CONSUMABLE	BIOPSY NEEDLE GUIDE COMPATIBLE WITH 2–6 MHZ OR BETTER CONVEX ABDOMINAL ULTRASOUND TRANSDUCER FOR ABDOMINAL AND UROLOGICAL IMAGING APPLICATIONS.	3 NOS		STANDARD							
18	ACCESSORY	PROBE HOLDERS	1 NO		STANDARD							
19	ACCESSORY	KEYBOARD COVER	1 NO		STANDARD							
20	ACCESSORY	POWER CABLE (INDIAN STANDARD)	1 NO		STANDARD							
21	ACCESSORY	BATTERY	1 NO		STANDARD							
22	ACCESSORY	STERLIZATION TRAY	AS REQUIRED		STANDARD							
23	HARDWARE OEM	EM FILTER (IF REQUIRED)	AS REQUIRED		STANDARD							
24	HARDWARE OEM	THERMAL PRINTER	1 NO		STANDARD							

25	CONSUMABLE	PROBE COVERS	AS REQUIRED		STANDARD							
26	ANY OTHER PART TO MAKE SYSTEM COMPLETE & WORKING				STANDARD							
27	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				STANDARD							

	DOCUMENTATION PURPOSES.											
										GRAND TOTAL		

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)	UNIT PRICE	TOTAL COST FOR THE QUANTITY MENTIONED	GST %	TOTAL COST WITH GST
1	HARDWARE	FUSION			OPTIONAL							
2	SOFTWARE	FUSION SOFTWARE SOLUTION			OPTIONAL							
3	SOFTWARE	DOSIMETRY PLANNING SOFTWARE SOLUTION			OPTIONAL							
4	HARDWARE AND SOFTWARE	5–10 MHZ OR BETTER MULTI-FREQUENCY INTRAOPERATIVE I-SHAPED CONVEX ARRAY ULTRASOUND TRANSDUCER SUPPLIED WITH REQUIRED OEM ACTIVATION SOFTWARE/LICENSES FOR HEPATOBILIARY AND PANCREATIC (HBP) SURGERY.			OPTIONAL							

5	HARDWARE AND SOFTWARE	5–10 MHZ OR BETTER T-SHAPED CONVEX ARRAY ULTRASOUND TRANSDUCER SUPPLIED WITH REQUIRED OEM ACTIVATION SOFTWARE/LICENSES FOR HEPATOBILIARY AND PANCREATIC (HBP) SURGERY.			OPTIONAL							
6	CONSUMABLE	BIOPSY NEEDLE GUIDE COMPATIBLE WITH 5–10 MHZ OR BETTER T-SHAPED CONVEX ARRAY ULTRASOUND TRANSDUCER FOR HEPATOBILIARY AND PANCREATIC (HBP) SURGERY.			OPTIONAL							
7	CONSUMABLE	BIOPSY NEEDLE GUIDE COMPATIBLE WITH 5–10 MHZ OR BETTER MULTI-FREQUENCY INTRAOPERATIVE I-SHAPED CONVEX ARRAY ULTRASOUND TRANSDUCER FOR HEPATOBILIARY AND PANCREATIC (HBP) SURGERY.			OPTIONAL							
8	OTHERS CAN BE ADDED BELOW											

TYPE 6.1-INTRA OP (MULTISPECIALITY WITH NEURO NAVIGATION)		
	EQUIPMENT NAME	HIGH END INTRAOPERATIVE ULTRASOUND FOR SURGERIES
	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	MAIN UNIT	1 NO		STANDARD							
2	SOFTWARE	ALL DICOM, WORKLIST & CONNECTIVITY PACKAGE	1 NO		STANDARD							
3	SOFTWARE	NAVIGATION SOFTWARE SOLUTION	1 SET		STANDARD							
4	SOFTWARE	LICENSE FOR APPLICATION SOFTWARE OVER LIFETIME OF EQUIPMENT TO BE GIVEN	1 SET		STANDARD							
5	SOFTWARE	LICENSE FOR OS OVER LIFETIME OF EQUIPMENT TO BE GIVEN	1 SET		STANDARD							
6	SOFTWARE	LICENSE FOR ANTIVIRUS OVER LIFETIME OF EQUIPMENT TO BE GIVEN	1 SET		STANDARD							

7	SOFTWARE	4–12 MHZ OR BETTER ABDOMINAL DROP-IN CONVEX ARRAY ULTRASOUND TRANSDUCER SUPPLIED WITH REQUIRED OEM ACTIVATION SOFTWARE/LICENSES FOR ROBOTIC SURGERY APPLICATIONS.	1 SET		STANDARD							
8	HARDWARE AND SOFTWARE	5–13 MHZ OR BETTER MULTI-FREQUENCY CONVEX ULTRASOUND TRANSDUCER SUPPLIED WITH REQUIRED OEM ACTIVATION SOFTWARE/LICENSES FOR NEUROSURGICAL APPLICATIONS.	1 SET		STANDARD							
9	HARDWARE AND SOFTWARE	5–11 MHZ OR BETTER BURR-HOLE ULTRASOUND TRANSDUCER SUPPLIED WITH REQUIRED OEM ACTIVATION SOFTWARE/LICENSES FOR NEUROSURGICAL APPLICATIONS.	1 SET		STANDARD							
10	HARDWARE AND SOFTWARE	6–15 MHZ OR BETTER LINEAR ARRAY ULTRASOUND TRANSDUCER SUPPLIED WITH REQUIRED OEM ACTIVATION SOFTWARE/LICENSES FOR NEUROSURGICAL APPLICATIONS.	1 SET		STANDARD							

11	HARDWARE AND SOFTWARE	3–13 MHZ OR BETTER LAPAROSCOPIC FOUR-WAY DEFLECTABLE CONVEX ARRAY TRANSDUCER WITH REQUIRED OEM ACTIVATION SOFTWARE/LICENSES FOR LAPAROSCOPIC SURGERY APPLICATIONS.	1 SET		STANDARD							
12	CONSUMABLE	BIOPSY NEEDLE GUIDE COMPATIBLE WITH 5–13 MHZ OR BETTER MULTI-FREQUENCY CONVEX ULTRASOUND TRANSDUCER FOR NEUROSURGICAL APPLICATIONS.	3 NOS		STANDARD							
13	CONSUMABLE	BIOPSY NEEDLE GUIDE COMPATIBLE WITH 5–11 MHZ OR BETTER BURR-HOLE ULTRASOUND TRANSDUCER FOR NEUROSURGICAL APPLICATIONS.	3 NOS		STANDARD							
14	ACCESSORY	PROBE HOLDERS	1 NO		STANDARD							
15	ACCESSORY	KEYBOARD COVER	1 NO		STANDARD							
16	ACCESSORY	POWER CABLE (INDIAN STANDARD)	1 NO		STANDARD							

17	ACCESSORY	BATTERY	1 NO		STANDARD							
18	ACCESSORY	STERLIZATION TRAY	AS REQUIRED		STANDARD							
19	HARDWARE OEM	EM FILTER	AS REQUIRED		STANDARD							
20	HARDWARE OEM	THERMAL PRINTER	1 NO		STANDARD							
21	CONSUMABLE	PROBE COVERS	1 PACK		STANDARD							
22		ANY OTHER PART TO MAKE SYSTEM COMPLETE & WORKING			STANDARD							

23		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.			STANDARD							
GRAND TOTAL												
S NO	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)	UNIT PRICE	TOTAL COST FOR THE QUANTITY MENTIONED	GST %	TOTAL COST WITH GST

1	HARDWARE	4–12 MHZ OR BETTER ABDOMINAL DROP-IN CONVEX ARRAY ULTRASOUND TRANSDUCER.			OPTIONAL								
2	HARDWARE AND SOFTWARE	SIMULTANEOUS BIPLANE IMAGING ULTRASOUND TRANSDUCER WITH TRANSVERSE AND SAGITTAL ARRAYS, SUPPLIED WITH REQUIRED OEM ACTIVATION SOFTWARE/LICENSES FOR HEPATOBILIARY AND PANCREATIC (HBP) SURGERY.			OPTIONAL								
3	HARDWARE AND SOFTWARE	5–10 MHZ OR BETTER MULTI-FREQUENCY INTRAOPERATIVE I-SHAPED CONVEX ARRAY ULTRASOUND TRANSDUCER SUPPLIED WITH REQUIRED OEM ACTIVATION SOFTWARE/LICENSES FOR HEPATOBILIARY AND PANCREATIC (HBP) SURGERY.			OPTIONAL								
4	HARDWARE AND SOFTWARE	5–10 MHZ OR BETTER T-SHAPED CONVEX ARRAY ULTRASOUND TRANSDUCER SUPPLIED WITH REQUIRED OEM ACTIVATION SOFTWARE/LICENSES FOR HEPATOBILIARY AND PANCREATIC (HBP)			OPTIONAL								

		SURGERY.										
5	CONSUMABLE	BIOPSY NEEDLE GUIDE COMPATIBLE WITH SIMULTANEOUS BIPLANE IMAGING ULTRASOUND TRANSDUCER WITH TRANSVERSE AND SAGITTAL ARRAYS FOR HEPATOBILIARY AND PANCREATIC (HBP) SURGERY.			OPTIONAL							
6	CONSUMABLE	BIOPSY NEEDLE GUIDE COMPATIBLE WITH 5–10 MHZ OR BETTER T-SHAPED CONVEX ARRAY ULTRASOUND TRANSDUCER FOR HEPATOBILIARY AND PANCREATIC (HBP) SURGERY.			OPTIONAL							
7	CONSUMABLE	BIOPSY NEEDLE GUIDE COMPATIBLE WITH 5–10 MHZ OR BETTER MULTI-FREQUENCY INTRAOPERATIVE I-SHAPED CONVEX ARRAY ULTRASOUND TRANSDUCER FOR HEPATOBILIARY AND PANCREATIC (HBP) SURGERY.			OPTIONAL							

8	CONSUMABLE											
9	OTHERS CAN BE ADDED BELOW											

TYPE 7-ICU PORTABLE												
	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 OR BETTER. WITH ALL APPLICATION SOFTWARE LICENSE FOR LIFETIME	2		STANDARD							
3	HARDWARE	CURVED ARRAY PROBE 1–5 MHZ OR BETTER. 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	5 BOTTLES		STANDARD							
23	CONSUMABLE	PROBE COVERS	1 PACK		STANDARD							
24		ANY OTHER PART TO MAKE SYSTEM COMPLETE & WORKING										

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 ITEMS UNDER "STANDARD INCLUSIONS (NOT SEPARATELY CHARGED)" FOR DOCUMENTATION PURPOSES.			STANDARD							
GRAND TOTAL												

SNO	OPTIONAL 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 OEM	ADULT PHASED ARRAY 1-5 MHZ.			OPTIONAL							
2	HARDWARE OEM	HOCKEY STICK PROBE 2-16MHZ.			OPTIONAL							
3	HARDWARE OEM	PEDIATRIC CARDIAC PROBE 2–8 MHZ.			OPTIONAL							
4	OTHERS CAN BE ADDED											

TYPE 8.1-PORTABLE / HANDHELD POINT-OF-CARE ULTRASOUND SYSTEM FOR CARDIAC												
	EQUIPMENT NAME	PORTABLE / HANDHELD POINT-OF-CARE ULTRASOUND SYSTEM FOR CARDIAC										
	VENDOR NAME											
	MAKE											
	MODEL NAME											

SNO	TYPE	ITEM NAME	QUANTITY	VENDOR CATALOGUE NUMBER	STANDARD/OPTIONAL/NOT AVAILABLE (PLEASE SPECIFY)	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	HAND HELD USG WITH TABLET FOR VIEWING	1		STANDARD							
2	HARDWARE	SECTOR PROBE AND LINEAR PROBE. WITH ALL APPLICATION SOFTWARE LICENSE FOR LIFETIME	1		STANDARD							
3	APPLICATION SOFTWARE	2D B-MODE IMAGING SOFTWARE FOR REAL-TIME BLACK-AND-WHITE ANATOMICAL VISUALIZATION	1		STANDARD							
4	APPLICATION SOFTWARE	COLOR DOPPLER IMAGING SOFTWARE FOR REAL-TIME BLOOD FLOW VISUALIZATION	1		STANDARD							
5	APPLICATION SOFTWARE	IMAGE AUTO-OPTIMIZATION SOFTWARE FOR 2D IMAGING MODE	1		STANDARD							
6	APPLICATION SOFTWARE	SELECTABLE FOCAL ZONE CONTROL SOFTWARE	1		STANDARD							
7	APPLICATION SOFTWARE	GAIN AND DEPTH ADJUSTMENT SOFTWARE FOR 2D AND COLOR IMAGING MODES	1		STANDARD							
8	APPLICATION SOFTWARE	TIME GAIN COMPENSATION (TGC) SOFTWARE WITH AT LEAST SIX DEPTH-DEPENDENT GAIN CONTROLS	1		STANDARD							
9	APPLICATION SOFTWARE	ABDOMINAL IMAGING APPLICATION SOFTWARE	1		STANDARD							
10	APPLICATION SOFTWARE	VASCULAR IMAGING APPLICATION SOFTWARE	1		STANDARD							
11	APPLICATION SOFTWARE	PERIPHERAL VASCULAR IMAGING APPLICATION SOFTWARE	1		STANDARD							

12	APPLICATION SOFTWARE	MUSCULOSKELETAL IMAGING SOFTWARE INCLUDING CONVENTIONAL AND SUPERFICIAL APPLICATIONS	1		STANDARD							
13	APPLICATION SOFTWARE	SMALL ORGAN / SMALL PARTS IMAGING SOFTWARE	1		STANDARD							
14	APPLICATION SOFTWARE	OPHTHALMIC IMAGING APPLICATION SOFTWARE	1		STANDARD							
15	APPLICATION SOFTWARE	NEONATAL CEPHALIC IMAGING SOFTWARE	1		STANDARD							
16	APPLICATION SOFTWARE	PROCEDURAL GUIDANCE APPLICATION SOFTWARE	1		STANDARD							
17	APPLICATION SOFTWARE	FETAL AND OBSTETRIC IMAGING SOFTWARE	1		STANDARD							
18	APPLICATION SOFTWARE	GYNECOLOGICAL IMAGING SOFTWARE	1		STANDARD							
19	APPLICATION SOFTWARE	ABDOMINAL IMAGING SOFTWARE	1		STANDARD							
20	APPLICATION SOFTWARE	THORACIC AND LUNG IMAGING SOFTWARE	1		STANDARD							
21	APPLICATION SOFTWARE	CARDIAC IMAGING SOFTWARE COMPATIBLE WITH PHASED ARRAY PROBE	1		STANDARD							
22	APPLICATION SOFTWARE	INTERVENTIONAL GUIDANCE SOFTWARE FOR NEEDLE PLACEMENT, CATHETER PLACEMENT, DRAINAGE, NERVE BLOCK, VASCULAR ACCESS, AND BIOPSY	1		STANDARD							
23	APPLICATION SOFTWARE	IMAGE STORAGE AND DATA MANAGEMENT SOFTWARE FOR STILL IMAGES AND CINE LOOPS	1		STANDARD							
24	APPLICATION SOFTWARE	JPEG IMAGE STORAGE SOFTWARE	1		STANDARD							
25	APPLICATION SOFTWARE	CINE LOOP RECORDING AND PLAYBACK SOFTWARE IN MP4 OR EQUIVALENT STANDARD FORMAT	1		STANDARD							

26	APPLICATION SOFTWARE	DATA EXPORT AND TRANSFER SOFTWARE TO EXTERNAL DEVICES OR APPLICATIONS	1		STANDARD							
27	APPLICATION SOFTWARE	WIRELESS CONNECTIVITY AND DEVICE PAIRING SOFTWARE FOR IOS AND ANDROID PLATFORMS	1		STANDARD							
28	APPLICATION SOFTWARE	EXTERNAL DISPLAY MANAGEMENT SOFTWARE SUPPORTING PORTRAIT AND LANDSCAPE MODES	1		STANDARD							
29	APPLICATION SOFTWARE	ALL DICOM, WORKLIST & CONNECTIVITY PACKAGE	1		STANDARD							
30	APPLICATION SOFTWARE	LICENSE FOR APPLICATION SOFTWARE OVER LIFETIME OF EQUIPMENT TO BE GIVEN	1		STANDARD							
31	APPLICATION SOFTWARE	LICENSE FOR OS OVER LIFETIME OF EQUIPMENT TO BE GIVEN	1		STANDARD							
32	ACCESSORY	BATTERY	1		STANDARD							
33	CONSUMABLE	ULTRASOUND GEL	5 BOTTLES		STANDARD							
34	CONSUMABLE	PROBE COVERS	1 PACK		STANDARD							
35		ANY OTHER PART TO MAKE SYSTEM COMPLETE & WORKING			STANDARD							
36		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			STANDARD							

		PURPOSES.										
GRAND TOTAL												
SNO	OPTIONAL 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	OTHERS CAN BE ADDED											

TYPE 8.2-PORTABLE / HANDHELD POINT-OF-CARE ULTRASOUND SYSTEM												
	EQUIPMENT NAME	PORTABLE / HANDHELD POINT-OF-CARE ULTRASOUND SYSTEM										
	VENDOR NAME											
	MAKE											
	MODEL NAME											
SNO	TYPE	ITEM NAME	QUANTITY	VENDOR CATALOGUE NUMBER	STANDARD/ OPTIONAL/NOT AVAILABLE (PLEASE SPECIFY)	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	HAND HELD USG WITH TABLET FOR VIEWING	2		STANDARD							
2	HARDWARE	CONVEX PROBE AND LINEAR PROBE WITH ALL APPLICATION SOFTWARE LICENSE FOR LIFETIME	2		STANDARD							
3	APPLICATION SOFTWARE	B-MODE (2D) IMAGING SOFTWARE	2		STANDARD							
2	APPLICATION SOFTWARE	COLOR DOPPLER IMAGING SOFTWARE	2		STANDARD							
4	APPLICATION SOFTWARE	PULSED WAVE (PW) DOPPLER SOFTWARE	2		STANDARD							
5	APPLICATION SOFTWARE	ABDOMINAL IMAGING APPLICATION SOFTWARE	2		STANDARD							
3	APPLICATION SOFTWARE	VASCULAR IMAGING APPLICATION SOFTWARE	2		STANDARD							
6	APPLICATION SOFTWARE	PERIPHERAL VASCULAR IMAGING APPLICATION SOFTWARE	2		STANDARD							
7	APPLICATION SOFTWARE	MUSCULOSKELETAL IMAGING SOFTWARE – CONVENTIONAL	2		STANDARD							
4	APPLICATION SOFTWARE	MUSCULOSKELETAL IMAGING SOFTWARE – SUPERFICIAL	2		STANDARD							
8	APPLICATION SOFTWARE	SMALL PARTS / SMALL ORGAN IMAGING SOFTWARE	2		STANDARD							
9	APPLICATION SOFTWARE	OPHTHALMIC IMAGING APPLICATION SOFTWARE	2		STANDARD							
5	APPLICATION SOFTWARE	PEDIATRIC IMAGING APPLICATION SOFTWARE	2		STANDARD							
10	APPLICATION SOFTWARE	NEONATAL CEPHALIC IMAGING SOFTWARE	2		STANDARD							
11	APPLICATION SOFTWARE	CARDIAC IMAGING APPLICATION SOFTWARE	2		STANDARD							
6	APPLICATION SOFTWARE	THORACIC AND LUNG IMAGING APPLICATION SOFTWARE	2		STANDARD							

12	APPLICATION SOFTWARE	OBSTETRIC IMAGING APPLICATION SOFTWARE	2		STANDARD							
13	APPLICATION SOFTWARE	FETAL IMAGING APPLICATION SOFTWARE	2		STANDARD							
7	APPLICATION SOFTWARE	GYNECOLOGICAL IMAGING APPLICATION SOFTWARE	2		STANDARD							
14	APPLICATION SOFTWARE	ABDOMINAL IMAGING APPLICATION SOFTWARE	2		STANDARD							
15	APPLICATION SOFTWARE	PROCEDURAL GUIDANCE SOFTWARE	2		STANDARD							
8	APPLICATION SOFTWARE	INTERVENTIONAL GUIDANCE SOFTWARE	2		STANDARD							
16	APPLICATION SOFTWARE	NEEDLE ENHANCEMENT / NEEDLE VISUALIZATION SOFTWARE	2		STANDARD							
17	APPLICATION SOFTWARE	VASCULAR ACCESS GUIDANCE SOFTWARE	2		STANDARD							
9	APPLICATION SOFTWARE	NERVE BLOCK GUIDANCE SOFTWARE	2		STANDARD							
18	APPLICATION SOFTWARE	BIOPSY GUIDANCE SOFTWARE	2		STANDARD							
19	APPLICATION SOFTWARE	FLUID DRAINAGE GUIDANCE SOFTWARE	2		STANDARD							
10	APPLICATION SOFTWARE	IMAGE OPTIMIZATION SOFTWARE (AUTO OPTIMIZATION)	2		STANDARD							
20	APPLICATION SOFTWARE	TISSUE GAIN COMPENSATION (TGC) CONTROL SOFTWARE	2		STANDARD							
21	APPLICATION SOFTWARE	MEASUREMENT AND CALCULATION SOFTWARE PACKAGE	2		STANDARD							
11	APPLICATION SOFTWARE	IMAGE STORAGE AND REVIEW SOFTWARE	2		STANDARD							
22	APPLICATION SOFTWARE	CINE LOOP ACQUISITION AND PLAYBACK SOFTWARE	2		STANDARD							
23	APPLICATION SOFTWARE	IMAGE EXPORT AND DATA TRANSFER SOFTWARE	2		STANDARD							

12	APPLICATION SOFTWARE	DICOM COMPATIBILITY / DICOM EXPORT SOFTWARE	2		STANDARD							
24	APPLICATION SOFTWARE	MOBILE APPLICATION SOFTWARE FOR IOS	2		STANDARD							
25	APPLICATION SOFTWARE	MOBILE APPLICATION SOFTWARE FOR ANDROID	2		STANDARD							
13	APPLICATION SOFTWARE	SOFTWARE UPDATE AND UPGRADE LICENSE (LIFETIME, FREE)	2		STANDARD							
26	APPLICATION SOFTWARE	ALL DICOM, WORKLIST & CONNECTIVITY PACKAGE	2		STANDARD							
27	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							
28	ACCESSORY	BATTERY	2		STANDARD							
29	CONSUMABLE	ULTRASOUND GEL	5 BOTTLES		STANDARD							
15	CONSUMABLE	PROBE COVERS	1 PACK		STANDARD							
30		ANY OTHER PART TO MAKE SYSTEM COMPLETE & WORKING			STANDARD							
31		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			STANDARD							

		PURPOSES.										
GRAND TOTAL												
SNO	OPTIONAL 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	OTHERS CAN BE ADDED											

TYPE 9: ENTERPRISE ULTRASOUND REPORTING, ARCHIVAL & INTEGRATION SYSTEM WITH ADVANCED REPORTING SOFTWARE FOR RADIOLOGY, OBSTETRICS & GYNAECOLOGY, MATERNAL–FETAL MEDICINE, IVF, AND CARDIOLOGY APPLICATIONS												
	EQUIPMENT NAME	ENTERPRISE ULTRASOUND REPORTING, ARCHIVAL & INTEGRATION SYSTEM										

	VENDOR NAME											
	MAKE											
	MODEL NAME											
SNO	**TYPE**	**ITEM NAME**	**QUANTITY**	**VENDOR CATALOGUE NUMBER**	**STANDARD/OPTIONAL/ NOT AVAILABLE (PLEASE SPECIFY)**	**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**	**ENTERPRISE SERVER WITH NETWORK SWITCHES AS REQUIRED**	**1**		**STANDARD**							
2	**HARDWARE**	**POST PROCESSING WORKSTATION WITH 1 CONCURRENT LICENSES**	**4**		**STANDARD**							
3	**APPLICATION SOFTWARE**	**REPORTING, ARCHIVAL & INTEGRATION SYSTEM WITH ADVANCED REPORTING SOFTWARE FOR RADIOLOGY APPLICATIONS**	**1**		**STANDARD**							

4	APPLICATION SOFTWARE	REPORTING, ARCHIVAL & INTEGRATION SYSTEM WITH ADVANCED REPORTING SOFTWARE FOR OBSTETRICS & GYNAECOLOGY APPLICATIONS	1		STANDARD							
5	APPLICATION SOFTWARE	REPORTING, ARCHIVAL & INTEGRATION SYSTEM WITH ADVANCED REPORTING SOFTWARE FOR MATERNAL–FATAL MEDICINE APPLICATIONS	1		STANDARD							
6	APPLICATION SOFTWARE	REPORTING, ARCHIVAL & INTEGRATION SYSTEM WITH ADVANCED REPORTING SOFTWARE FOR IVF-RELATED ULTRASOUND APPLICATIONS	1		STANDARD							
7	APPLICATION SOFTWARE	REPORTING, ARCHIVAL & INTEGRATION SYSTEM WITH ADVANCED REPORTING SOFTWARE FOR CARDIOLOGY APPLICATIONS	1		STANDARD							
8	APPLICATION SOFTWARE	SOFTWARE UPDATE AND UPGRADE LICENSE	1		STANDARD							

		(LIFETIME, FREE)										
9	APPLICATION SOFTWARE	ALL DICOM, WORKLIST & CONNECTIVITY PACKAGE	1		STANDARD							
10	APPLICATION SOFTWARE	LICENSE FOR APPLICATION SOFTWARE OVER LIFETIME OF EQUIPMENT TO BE GIVEN	1		STANDARD							
11	APPLICATION SOFTWARE	LICENSE FOR OS OVER LIFETIME OF EQUIPMENT TO BE GIVEN	1		STANDARD							
15		ANY OTHER PART TO MAKE SYSTEM COMPLETE & WORKING	AS REQUIRED		STANDARD							
16		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	AS REQUIRED		STANDARD							

		THE VENDOR WITHOUT ADDITIONAL COST.THE VENDOR MAY LIST SUCH ITEMS UNDER "STANDARD INCLUSIONS (NOT SEPARATELY CHARGED)" FOR DOCUMENTATION PURPOSES.										
GRAND TOTAL												
SNO	OPTIONAL 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		ADDITIONAL CONCURRENT LICENSE										

ANNEXURE IV: CHECKLIST FOR TECHNICAL BID TO BE COMPLETED AND ATTACHED ALONG WITH THE TENDER SUBMISSION

checklist for vendor before sending the technical bid			
si. 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 V: 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)		