Bid Number: GEM/2026/B/7566772
Dated: 10-07-2026

Bid Corrigendum

GEM/2026/B/7566772-C9

Following terms and conditions supersede all existing “Buyer added Bid Specific Terms and conditions” given in the bid document or any previous corrigendum. Prospective bidders are advised to bid as per following Terms and Conditions:

Buyer Added Bid Specific Additional Terms and Conditions

1. OPTION CLAUSE: The Purchaser reserves the right to increase or decrease the quantity to be ordered up to 25 percent of bid quantity at the time of placement of contract. The purchaser also reserves the right to increase the ordered quantity up to 25% of the contracted quantity during the currency of the contract at the contracted rates. The delivery period of quantity shall commence from the last date of original delivery order and in cases where option clause is exercised during the extended delivery period the additional time shall commence from the last date of extended delivery period. The additional delivery time shall be (Increased quantity ÷ Original quantity) × Original delivery period (in days), subject to minimum of 30 days. If the original delivery period is less than 30 days, the additional time equals the original delivery period. The Purchaser may extend this calculated delivery duration up to the original delivery period while exercising the option clause. Bidders must comply with these terms.
2. Availability of Service Centres: Bidder/OEM must have a Functional Service Centre in the State of each Consignee's Location in case of carry-in warranty. (Not applicable in case of goods having on-site warranty). If service center is not already there at the time of bidding, successful bidder / OEM shall have to establish one within 30 days of award of contract. Payment shall be released only after submission of documentary evidence of having Functional Service Centre.
3. Bidders can also submit the EMD with Account Payee Demand Draft in favour of
   DIRECTOR, SCTIMST
   payable at
   TRIVANDRUM
   .
   Bidder has to upload scanned copy / proof of the DD along with bid and has to ensure delivery of hardcopy to the Buyer within 5 days of Bid End date / Bid Opening date.
4. Bidders can also submit the EMD with Fixed Deposit Receipt made out or pledged in the name of A/C DIRECTOR, SCTIMST
   . The bank should certify on it that the deposit can be withdrawn only on the demand or with the sanction of the pledgee. For release of EMD, the FDR will be released in the favour of the bidder by the Buyer after making endorsement on the back of the FDR duly signed and stamped along with covering letter. Bidder has to upload scanned copy/ proof of the FDR along with bid and has to ensure delivery of hardcopy to the Buyer within 5 days of Bid End date/ Bid Opening date
5. **Bidder financial standing:** The bidder should not be under liquidation, court receivership or similar proceedings, should not be bankrupt. Bidder to upload undertaking to this effect with bid.
6. Bidders shall quote only those products (Part of Service delivery) in the bid which are not obsolete in the market and has at least 7 years residual market life i.e. the offered product shall not be declared end-of-life by the OEM before this period.
7. Bidder / OEM has to give an undertaking that after expiry of warranty period, it will provide Comprehensive Maintenance Service for next 5 years for the offered products at the rate not more than 5 % of contract price per annum. Buyer reserves the right to enter into a CMC agreement with the Successful Bidder / OEM after expiry of the Warranty period at above mentioned rate and the payment for the CMC charges would be made Biannually after rendering of the CMC Services of the relevant CMC period. Performance Security of the successful bidder shall be forfeited if it fails to accept the CMC contract when called upon by the buyer. CMC would include cost of
   AS PER SPECIFICATION
   (Upload the undertaking). The original Performance Security of contract will be returned only after

submission and verification of AMC Performance Security for 3% of total CMC value valid up to CMC period plus 2 months (if there is no other claim).

8. Bidder's offer is liable to be rejected if they don't upload any of the certificates / documents sought in the Bid document, ATC and Corrigendum if any.
9. Buyer Organization specific Integrity Pact shall have to be complied by all bidders. Bidders shall have to upload scanned copy of signed integrity pact as per Buyer organizations policy along with bid. Click here to view the file
10. Bidders are advised to check applicable GST on their own before quoting. Buyer will not take any responsibility in this regards. GST reimbursement will be as per actuals or as per applicable rates (whichever is lower), subject to the maximum of quoted GST %.
11. Buyer Added text based ATC clauses

A. Bidders are advised to quote prices as per technical specification. However de tailed breakup of quoted prices should be provided in Price Format – A uploade d in the prescribed place (Financial Document Required) on online GeM portal. The prices quoted in the prescribed field on GeM portal will be considered for ra nking purpose. Total price quoted in Price Format – A must match with the price quoted in GeM portal. Bidders should not include price bid in the technical bid. **The Price formats A, B, C, D and E to be submitted along with financial bid only. If any of the price components disclosed in the technical bid, the bid will summarily be rejected and the bidder will be DISQUALIFIE D from further bidding process**.

B. The Bidders are advised to quote price of Spare parts, Consumables in the att ached format “B” and “C” accordingly and uploaded the same in the prescribe d place (Financial Document Required) on online GeM portal. The equipment sh ould be supported with spares for a minim um period of 10 years after successf ul installation and commissioning.” All the spares and consumables required for the equipment should b e made available through GeM throughout the agreed s upporting period”.

C. The five years warranty sought for is OEM/bidder free warranty without any ad ditional cost towards extended warranty to fulfil the tender condition. The char ges, if any, claimed by the bidder towards warranty in this regard and included in the product cost in Price Format –A should be mentioned in the price format D also, and uploaded the same in the prescribed place (Financial Document Re quired). This warranty charges shall not be considered for calculating actual CA MC value to be payable after warranty period. Where the total cost does not inc lude such warranty charges, the bidder shall submit a declaration- "Certify that the Equipment/accessories quoted in the bid is having OEM/bidder free warrant y of three years and the total cost quoted in the bid does not include any warra nty charges to fulfil the tender condition of three year warranty". This declarati on shall be furnished along with the Technical bid in format G. False declaration may lead to rejection of bid. In the case of agents quoting on behalf of their for eign principal, proforma invoice from the OEM (Foreign principal company) indi cating the nature of after sale service including warranty condition and commis sion payable to the Indian agent shall be furnished along with the price bid.

D. As per the Institutes general policy, the maximum CAMC charges after warrant y period will be 5% of the cost of the equipment. However the bidders can quot e CAMC charges in the range of 3 to 10 % of the cost of equipment, depending on the nature of equipment to be maintained.

E. The CAMC charges shall be quoted in percentage rate in GeM bid and escalati on in CAMC charges shall be allowed at maximum 5% after every three years o f CAMC.

F. This CAMC charges at Net Present Value shall be taken into account for arrivin g the lowest responsive bidder. The actual CAMC value to be payable after warr anty period shall be separately worked out based on the "Cost of the equipmen t for CAMC calculation" and shall be furnished in "Format –E" and uploaded the same in the prescribed place (Financial Document Required). The year wise ra te percentage of CAMC quoted in the bid for L1 evaluation should be used for c alculating the actual CAMC value.

G. The "cost of the equipment for CAMC calculation" shall not include additional warranty cost (if any), cost towards Installation, Commissioning and Testing (in addition to the original equipment cost of the OEM), cost of transportation, inclu ding import customs duty, Agency commission, any specific excluded items fro m CAMC as per the tender condition and GST included in the product cost quot ed.

H. The cost of the equipment for CAMC calculation shall be mandatorily furnished in format D.

I. The warranty and CAMC condition as given above should be applicable for the third party items, if any supplied. The successful bidder shall furnish the agree ment executed in this regard with the third parties as and when called for. The genuineness of price quoted for the equipment / accessories are very important and this price shall not be loaded with any other cost.

J. The successful bidder shall enter into CAMC 3 (three) months prior to the com pletion of warranty period. The CAMC will commence after the date of expiry of warranty period from the date specified in the work order and as per the terms and conditions issued in this regard, which will be treated as the first year of CA MC. This tender will form part of the CAMC work order.

K. Penalty clause:

i. **Delay in Delivery:** If the supplier fails to deliver or install/co mmission any or all of the goods or fails to perform the services wit hin the time frame(s) incorporated in the Purchase Order, the Purch aser shall, without prejudice to other rights and remedies available to the Purchaser under the contract, deduct from the contract price , as liquidated damages, a sum equivalent to 0.5% per week of del ay or part thereof on delayed supply of goods, installation, commiss ioning and/or services until actual delivery or performance subject t o a maximum of 10% of the contract price. Once the maximum is r eached Purchaser may consider termination of the contract. If any delay by the supplier in maintaining its contractual obligations tow ards delivery of goods and performance of services shall render the supplier liable to any or all of the following sanctions:

   i. Imposition of liquidated damages,

   ii. Forfeiture of its Performance Security and

   iii. Termination of the Contract for default

ii. **Performance (during Warranty period)** Supplier should e nsure uninterrupted service delivery of the equipment or product d uring the warranty period. In this regard following conditions also m

ay be noted:

i. In case of failure of equipment or its components, br eakdown call has to be attended within 48 hours of intimation and will be rectified in due course.

ii. In case of non-adherence to clause (i) above, downti me penalty will be realised a sum equivalent either the repair ing charges met by the Institute to set right the equipment or 0.1 percent per day of cost of the equipment, whichever is hi gher, from the date of report of breakdown by way of deducti ons from SD/Performance Bank Guarantee.

iii. The time spent on the repair work will be added to th e warranty period of the equipment.

iii. **Performance (during CMC/AMC period)**:

i. Uptime means 95 percent of total days in a year duri ng which the equipment remains functional.

ii. Down time means any shortage in achieving the up-ti me

iii. Down time penalty will be levied as per following ter ms and condition:

iv. In the case of CMC, it shall be the responsibility of the service provider to set right the equipment and avoid down ti me. Down time penalty will be imposed @ 0.5 percent of cont ract value per day from the service provider.

v. In case auxiliary units/components attached to the m ain equipment undergoes failure and the main equipment pro vides uninterrupted services, down time penalty will be impos ed @ 0.1 percent of contract value per day per auxiliary unit from the service provider.

vi. Service provider should ensure rectification of defect of equipment within a reasonable period in the case of Labou r Annual Maintenance Contract. In case break down is not att ended within 48 hours of intimation, down time penalty will b e imposed @ 0.5 percent per day of contract value from the s ervice provider.

L. **Qualification criteria**

i. The bidder must be a manufacturer or their authorized agents having a place of business in any state of India are eligible to partic ipate in this bid. The bidders should submit “Manufacturer’s Authori zation Form” for each items quoted and shall be submitted along with technical bid, as per the format enclosed in the bid document (Format “F”).

ii. EMD should be submitted along with technical bid. The bidder seeki ng EMD exemption, must submit the valid supporting document for the relevant category as per GeM GTC with the bid. Under MSE cat egory only manufactures are eligible for exemption from EMD.

iii. Integrity Pact Agreement will form part and parcel of this tender. It is mandatory to enclose the Integrity Pact Agreement along with th e technical bid. Independent External Monitors:

1. **Shri Pramod Kumar Garg, CE & MES (Retd) Email: pkgarg.1957@gmail. com Ph:9810778058**
2. **Shri OtemDai, IAS (Retd) email: otemdai@hotmail.com** Ph:9402277510/ 9717700275

M. Bidders may please be read as uptime warranty as 95 % instead of 98 % as pe r bid terms and conditions.

N. SCTIMST reserves the right to ask for a free demonstration of the quoted equip ment/ items after giving reasonable time to the bidder at a pre -determined pla ce acceptable to the purchaser or at a site (in case of non-portable and heavy e quipment) for evaluating the technical compatibility as per the bidding docume nt specifications, professionalism and quality of work of the bidder for technicall y qualifying for opening the Price Bid. SCTIMST reserves the right to accept/ rej ect the bid based on the product/ site evaluation as stated above.

O. List of documents to be attached along with bid.

i. Along with Technical Bid - Format F, G,H, EMD receipt and Inte grity Pact

ii. Along with Price bid - Format A, B, C, D and E

P. On-site installation required. .

Q. Payment terms :100% will be paid on the successful delivery of equipm ent and after satisfactory installation and commissioning of equipment al ong with submission of “Installation Report” to be issued by User Depart ment and DCE. The delivery of the equipment should be completed within 90 days from the date of issue of GeM contract.

R. As per approval from the Department of Science and Technology, non loca l suppliers can also participate together with local suppliers in the tender.

S. For all disputes arising out of this contract the legal jurisdiction will be Thir uvananthapuram

T. Company should possess a valid CDSCO license to sell the equipment in India (Import or Indigenous). Copy of the same should be provided along with the tender document.

Bidders should comply the specification mentioned below :

HIGH END ECHOCARDIOGRAPHY SYSTEM

1. It should be the latest standalone echocardiography system/ platform/ make/ model/edition/ or version, which is supplied to medical institutions in India, havi ng latest hardwares, softwares and ultrasound probes.

2. Echocardiography system / platform/ make/ model/ edition/ or version should not have been launched in India more than 4 years earlier to the date of its deli very to SCTIMST. Supporting documents should be attached.

3. There should be provision for updation of software's over a period of 10 years after purchase

4. It should comply with Institute rules regarding purchase and maintenance.

5. The bidder should provide data in a tabular format stating following details re garding the bidding items: standalone general imaging high-end ultrasound sys tem: OEM; brand/system/make/model/version/edition.

6. Bidder should not include price bid in the technical bid. Please refer to the buy er added bid specific ATC; do not include formats A, B, C, D and E in the technic al bid. If the price bid is included in the technical bid, the bidder will be disqualif ied from the tendered bidding process. Integrity pact should be attached along with the technical documents.

7. The bidder should provide technical details of the standalone general imaging high-end ultrasound system, preferably as a product brochure.

8. Bidder should demonstrate the product if requested by the Institute.

Mobility

1. Standalone machine system should be supplied with height adjustable original cart with wheel locking and swivel facility for portability. The wheeled trolley sh ould comply with international safety and electrical standards.

2. The echocardiography system and the wheeled trolley should belong to the sa me manufacturer.

Power supply

1. The power supply cable to the ultrasound system from electrical plug should b e at least 3 meters in length.

Safety parameters:

1. It should be a medical-grade product and should meet electromagnetic and el ectrical compatibility with established safety standards.

2. It should have class-1 electric shock protection

3. Electric power utility should be compatible with hospital electrical power suppl y (Power capable operating on 220V, 50Hz AC)

Ultrasound system storage capacity:

1. Image storage facility should be on in-built SSD hard disk having storage capa city of 1TB or more.

Echocardiography probes: System should be supplied with following echocardio graphy transducer probes, which have latest technology and compatibility with the system.

1. All echocardiography systems should have latest adult 3D/4D/live 3D transeso phageal echocardiography matrix probe (2-8 MHz) or a wider range of lower an d higher frequencies in MHz. The transducer should have single crystal technol ogy or pure wave technology or a similar latest technology. Should have more t han 2500 elements for excellent image quality. It should provide real-time simultaneous live biplane imaging. Must attach original technical data sheet of

transducer to specify the number of crystals used in the transducer. One additi onal adult3d/4D/live3D transesophageal echocardiography matrix probe (2-8 M Hz) to cardiac anaesthesia.

2. Latest adult 3D/4D/live 3D transthoracic echocardiography matrix probe 1-5 M Hz ± 0.5MHz frequencies in MHz for adult cardiac imaging. The transducer sho uld have single crystal technology or pure wave technology or a similar latest t echnology.

    a. System should have 4 active in-built probe connecting ports.

    b. All transducer probes must be original from the same manufactur er, and should fit into the probe ports without any intervening adap tors.

    c. There should be provision to hold transthoracic probes on the troll ey and store the TEE probes in appropriate carrier case.

3. The echocardiography systems for department of cardiology should have the f ollowing probes:

    I. System A:(cardiology)

    a. Adult 2d transthoracic echo doppler transducer with frequency ra nging from 1-5 MHz ± 0.5MHz. This transducer should have either s ingle crystal technology or pure wave technology for excellent ima ge quality on difficult to image patients. Must have tissue harmonic imaging.

    b. Pediatric transthoracic echo doppler transducer with frequency ra nging from 3-8 +/-2 MHz.

    c. Live 3d/4d transthoracic echo transducer for adult cardiac imagin g frequency ranging from 1 – 5 MHz(+/-0.5MHz)

    d. Latest adult live 3d/4d/live 3d transesophageal echocardiography matrix probe (2-8MHz) or a wider range of lower and higher freque ncies in mhz. The transducer should have single crystal technology or pure wave technology or a similar latest technology. Should hav e more than 2500 elements for excellent image quality. It should pr ovidereal-time simultaneous live biplane imaging. Must attach origi nal technical data sheet of transducer to specify the number of crys tals used in the transducer.

    e. Transesophageal transducer for pediatric(2d) transesophageal ec hocardiography

    f. Curvilinear convex probe for trans abdominal fetal echocardiograp hy with frequency ranging from 3 – 7 (+/-2 MHz)

    g. Pediatric live 3d/4d transthoracic echo doppler transducer with fre quency ranging from 3-7 +/-2 mhz.

    h. Neonatal 2d transthoracic probe – 4-12+/-2mhz

    i. Hockey stick probe 7 – 15 MHz

    j. Pediatric live 3d/4d transesophageal echo doppler transducer with frequency ranging from 4 - 11mhz

II. System b: (cardiac anaesthesia)

a. Adult 2d transthoracic echo doppler transducer with frequency ranging from 1-5 mhz ± 0.5mhz. This transducer should have either single crystal technology or pure wave technology for excellent image quality on difficult to image patients. Must have tissue harmonic imaging.

b. Pediatric transthoracic echo doppler transducer with frequency ranging from 3-8 +/-2 mhz.

c. Neonatal 2d transthoracic probe – 4-12+/-2mhz

d. Live 3d/4d transthoracic echo transducer for adult cardiac imaging frequency ranging from 1 – 5 mhz(+/-1mhz)

e. Latest adult live 3d/4d/live 3d transesophageal echocardiography matrix probe (2-7 +/-2 mhz) or a wider range of lower and higher frequencies in mhz. The transducer should have single crystal technology or pure wave technology or a similar latest technology. Should have more than 2500 elements for excellent image quality. It should provide real-time simultaneous live biplane imaging. Must attach original technical data sheet of transducer to specify the number of crystals used in the transducer (2 in quantity).

f. Pediatric live 3d/4d transthoracic echo doppler transducer with frequency ranging from 3-7 +/-2 mhz.

g. Neonatal transesophageal 2d echocardiography probe (3-8 +/-2 mhz)

h. Pediatric live 3d/4d transesophageal echo doppler transducer with frequency ranging from 4 - 11mhz

i. Hockey stick probe 7 – 15 mhz

1. system should have 4 active in-built probe connecting ports.
2. All transducer probes must be original from the same manufacturer, and should fit into the probe ports without any intervening adaptors.
3. There should be provision to hold transthoracic probes on the trolley and store the tee probes in appropriate carrier case.
4. one laser color printer to be provided with the echocardiography machines in cardiology and anaesthesia for furnishing echocardiography reports and prints.

<u>Monitoring screen</u>

1. The flat-panel screen size should be 21 inches or above. It should be a HDU or OLED touch screen, displaying high resolution and clear images.
2. There should be provision to adjust height, rotation and adjusting position of the screen with locking facility

<u>Knob controls</u>

1. The control panel should be equipped with hard and soft keys for optimizing image quality, acquisition and quantification.

2. Finger tip control touch screen user-interface

Imaging modes

1. 2d imaging modes:

    a. System must be offered with 2d echocardiography, m-mode, color m-mode, color flow doppler, color power doppler, automated adjustment of color doppler,pulse wave doppler, continuous wave doppler, pulse wave color tissue doppler imaging, duplex mode, triplex mode, micro bubble contrast imaging for cardiac chamber opacification, tissue harmonic imaging, color comparison, automated optimization of gain and contrast.

    b. All above mentioned modes should be compatible with both transesophageal echocardiography and transthoracic echocardiography.

    c. The transesophageal echocardiography probe should be able to display excellent quality of 2d images in transgastric views with complete envelope on cwd, which will enable accurate quantification of lvot and aortic valve parameters.

2. Real-time-3d/4d echo cardio graphy imaging modes:

    a. Both TTE and TEE 3d/4d probe should have following modes: biplane real-time imaging,single-beat and ECG-gated multi-beat acquisition of 3d/4d volumes and rendering, 3d/4dzoom and color full volume, single-beat high volume rate acquisition, live 3d/4d imaging in color doppler system. Single-beat high volume rate acquisition should be possible. Rendering should be possible in multiple plane views, 3d/4d multi-slice planes.

    b. The 3d/4d images should display excellent quality for anatomical features during intraoperative mitral valve repair and mitra clip application in the catheter laboratory.

    c. There should be dedicated keys on the panel for adjusting contrast and compression to optimize 3d/4d image quality during live interrogation and post-processing.

Quantification tools in 2d echocardiography: The 2d analysis of data performed by the system should be available both in transthoracic and transesophageal echocardiography. Those analytical features, which are not loaded by default, should be entered in the system manually.

1. LV volumes and LVEF by length, area, volume methods, including for biplane method.
2. Prosthetic aortic and mitral valve peak velocity, mean gradient, DVI, acceleration time, EOA, AT/ET, MV pressure half time.
3. Valve stenosis and regurgitation
4. TAPSE, MAPSE
5. MPI or TEI index
6. DP/DT

7. LVOT cardiac output
8. LV mass
9. LVFAC
10. PISA mitral valve
11. RVSP
12. diastolic function
13. angle measurement
14. Heart rate
15. LA size area
16. RA size area
17. Hepatic and pulmonary venous doppler parameters.
18. Tissue doppler parameters

Quantification tools in 3d/4d transesophageal echocardiography

Following quantification tools should be provided, which will be compatible with 3d/4d transesophageal echocardiography.

1. latest version of the built-in original vendor-licensed software for 3d/4d acquisition, processing and rendering of data. Two such softwares should be installed with each system; one in the echo cardiography system and another in a portable laptop (anaesthesia) and pc desktop (cardiology).
2. real-time virtual cropping of 3d/4d dataset in 3 orthogonal planes and free plane, withprovision of automated selectively cropping the roi, single click gain, compression/dynamic range settings.
3. 3d/4d left ventricular quantification using voxel count or similar algorithms, including segmental time-volume curves, automated endocardial border tracing with provision for manual override, left ventricular volumes and ejection fraction, bull’s eye/ volume mesh rendering of time-volume curves, multi-slice view of lv, 17-segment bull’s eye/ global mesh parametric imaging or similar features.
4. 2DLV segmental and global longitudinal strain quantification and circumferential strain quantification using speckle tracking method and valve annular movement tracking or tissue tracking should be provided.
5. Mitral valve 3d/4d volume acquisition and rendering to generate dynamic model of mitral valve with latest quantification tool.
6. 3d/4d software for measurements of dimensions, area and volumes
7. quantification tool for transillumination of mitral valve and other tissues using 3d/4d rendering. It should be compatible with transesophageal echocardiography.
8. quantification tool for quick automatic 3d/4d data processing for mitral valve to analyze anatomy and dynamics during systole.
9. 3d/4d color quantification tool for PISA

10. 3d/4d quantification for valves

Additional quantification tools in 3d/4d transthoracic echocardiography

In addition to the quantification tools available in 3d/4d transesophageal echocardiography, following features should be available on transthoracic echocardiography.

1. Quantification tool for automated quick quantification of 2d LV longitudinal strain, LA strain and RV strain.
2. Quantification tool for automated 3d/4d measurements of left atrial volume, left ventricular volumes and mass in full cardiac cycles with moving contours of cardiac chambers .
3. fast and easy quantification of la strain using 2d speckle tracking to measure la reservoir function, conduit function and contractile function.

Artificial intelligence/ machine learning-enabled features:

AI/ML-enabled automated doppler quantification in TEE; AI-enabled automated mitral valve quantification in tee; automated 2d quantification of left ventricle in tee.

Image processing and transfer

1. Exported images and videos should be transferable in dicom, avi, jpeg/ mpeg or other common formats through at least two usb-3 ports.
2. System should have facility to transfer images to an integrated dvd writer, pen drives without any interfacing.
3. Direct writing capability to mass storage devices such as pen drive and external hard disk, which are PC and MAC compatible.
4. There should be capability to transfer images and loops with or without patient details such as name, date, hospital number, etc by two or three knob selections. The parameters displayed on ultrasound images and videos such as gain, compression, frame rate, gray scale, color nyquist limit, MI, TI, ECG, etc should be included along with the images and loops during transfer. The ultrasound parameters, which will not be transferable with images and loops should be documented.
5. Three or more USB ports should be provided for image transfer.

Connectivity

Laptop and desktop for installing licensed vendor-specific original 3d/4d processing software

A laptop and desktop should be provided with following specifications:

1. It should be from a branded manufacturer with atleast5 12GB SSD hard disk
2. Intel core I 7 & 12th or higher generation or higher processor, 16 GB or more ram, flat panel 14inches or larger screen, 2 or more USB-3 ports, image and graphic softwares, latest originalversion of microsoft office home/student one time purchase and original windows 11 or higher, carry bag (original company made preferable), 3-year extended warranty.

3. The latest licensed software installed in echocardiography and laptop should h ave following minimum features: processing of 3d/4d dataset; color 3d/4d; 2d s train quantification.

4. AI/ML-enabled and tee imaging compatible automated doppler quantification, automated mitral valve quantification and automated quantification of left vent ricle should be provided in the laptop for offline use. The laptop softwares should be same as that loaded in the echocardiography system. Suitable antivir us for the system to be provided for us as multiple insertions of usb have the p otential to harm the hard disk.

Accessories:

1. ECG cable: 3-lead ECG cable (2units with each system)

2. Tray/ tub for sterilizing 3d/4d TEE probes using antimicrobial solutions: 1 with each system

3. Slave/ connecting cable to connect between hemodynamic monitor and echoc ardiography system (2 units with each system)

4. TEE probe tip protector: 5 units with each system

5. Bite guard adult and bite guard pediatric: 5units with each system.

Bidder should also meet the following parameters with

Regard to DICOM/HL7/IHE requirements

1. The modality must be DICOM (digital imaging in communications and medicin e) compliant, provide at a minimum level 2 conformance, and be able to functi on with other DICOM compliant modalities and systems within sctimst.

2. The intent is to provide maximum automation for the institution utilizing dico m standards. This includes specifically the institutions pacs (picture archiving a nd communications system), and any other dicom equipment specified in the bid.

3. Functionality at a minimum includes dicom storage service class user (scu) an d dicom verification service class user and provider (scu and scp) capability.the se classes should be current and appropriate for the modality, and if requireme nts specify connection to an older system, should include any potential ‘retired’ sop (service object pairs) the older modality may require. If the modality does n ot yet have the capabilities below, they must be installed at no additional charg e within one year from purchase. These items must be clearly stated in the bid submissions, along with projected time frames for implementation.

4. The modality must be able to perform dicom modality work list information m odel find functions so that patient orders can be selected from a work list provi ded by pacs/ ris (radiology information system), rather than requiring manual e ntry by the technologist. The work lists will be provided mwl license pack.

5. The modality must be able to perform dicom modality performed procedure st epfunctions, so that exam progress status can be automatically sent back to pa cs/ ris, and dicom storage commitment.

6. The modality must be able to perform dicom query/ retrieve functions as a ser vice class user for all appropriate image sets to allow for retrieval of prior studi

es for comparison at the modality.

7. The modality must be able to perform dicom print as a service class user for al l appropriate images ets, and must work with sctimst dicom print servers.

8. SCTIMST currently has GE'S PACS(centricity6.0sp10) and RIS system (centricit y ris 6.0 sp 10.3), it is the vendor's responsibility to ensure that image scan be stored, retrieved and properly displayed from pacs, and that all requested dico m/ hl7/ ihe functions work with the appropriate sctimst systems. This includes a ny additional licenses, fees and service required to connect the modality and to provide the functionality. Mpps sop class must be implemented by thevendor. If this connection does not work due to the vendor's product not properly implem enting the dicom standard, it must be fixed. It is the intention of this bidder to e nsure a complete installation, and that there will not be any 'gaps' left to sctim st to pay for outside of the bid to make the systems work as intended.

9. Once the modality is installed, the vendor will work with sctimst to provide vali dation testing before production use to ensure proper exchange of intended inf ormation.

10. The vendor must be a participant in the ihe (integrating the healthcare enterp rise) initiative. A current ihe integration statement must be provided prior to th e bid. It is sctimst intent to utilize ihe principles to support the integration of systems in the healthcare enterprise. The vendor must be working in the same direction in order to be considered for this bid. There are currently a number of integration profile specifications, with varied degree of support from vendors. U ltimately, all integration profiles should be a standard part of a vendors offer . The specific Profiles are listed below, and are required if applicable to the system being bid. If the vendor does not currently support applicable profiles, t hey must be made available upon vendor implementation at no extra charge to sctimst. The vendor must provide user authentication/ access control at the de vice, as well as node authentication and exportable audit logs in the ihe audit t rail and node authentication (atna) format. There must be an ability to synchro nize the clock on the device with a central clock specified by sctimst.

    a. Patient information reconciliation (pir)

    b. Scheduled work flow (swf)

    c. Consistent presentation of images (cpi)

    d. Evidence documents (ed)

    e. Access to radiology information (ari)

    f. Portable data for imaging (pdi)

    g. Audit trail and node authentication (atna)

11. If the modality provides storage to removable devices (dvd or mod), this stora ge must comply with the dicom part 10 media interchange standards and the ihe portable data for imaging (pdi) profile. To insure compliance with sctimsthip aa policy, the storage mechanism must at least have the option to remove iden tifiable healthcare information from the image sets that will be transferred viat his mechanism, and all creation functions must be logged according to the IHE ATNA profile.

Software patches

The vendor must provide critical (security or operational) patches on a timely b asis, including the process of fda approval. If the system is affected by an attac k on anunpatched (one that has a patch available for it but has not been install ed pending approval by the vendor) security hole, it is the vendors responsibilit y to bring the system back to a functional state within the emergency response time specified under service.

Network requirements

Network connections should be located within 15 feet of the console. The bid system should support 1000mbps (1000 base t) network speeds.1000mbps net work speed ispreferred, particularly for modalities that create large data sets, s uch as multi-slice ct.the sctimst pacs network shall be segmented from the rest of the hospital network,and utilize category 6a cables for all installations. Netw ork jacks must be 8 pin modular (rj45). The system should be connected to the network via patch cord connection to thefacility infrastructure. Sctimst will prov ide ae titles, ip address, default router ip address, and subnet mask for each sy stem installed.

Hardware and operating system requirements

All computer hardware and operating systems must be current versions. For wi ndows atthis time that would be windows 10/11 professional or server editions 2019 or above. Ifa vendor is currently utilizing an older operating system; the s ystem must be upgraded with in a year to the current version of the operating s ystem.

Should have a valid Indian standards quality certification. If there is no Indian st andard available in this category, then the item should have a valid USFDA / CE . Copy of the certificate should be attached.

The equipment must come with five years comprehensive warranty and 5 year s CAMC with 10 years of service support from the date of installation. CAMC rat es must be mentioned in the quote from sixth year onwards.

CORRIGENDUM- 1 DTD 10.07.2026

TERMS AND CONDITIONS		
Pg.No.& Cl ause No.	**As per Tender**	**To be read as**

Pg.No.18/28 & clause no .2 Monitoring Screen	The flat-panel screen size should be 21 inches or above. It should be a HDU or OLED touch screen, displaying high resolution and clear images.	The flat-panel screen size should be 21 inches or above. It should be a HDU, OLED or LCD, displaying high resolution and clear images.	
Pg.No.19/28 & clause no .2.c Real-time-3d/4d echo cardiography imaging modes	There should be dedicated keys on the panel for adjusting contrast and compression to optimize 3d/4d image quality during live interrogation and post-processing.	There should be dedicated keys/touch pad soft keys on the panel for adjusting contrast and compression to optimize 3d/4d image quality during live interrogation and post-processing.	
Pg.No.21/28 Artificial intelligence/ machine learning-enabled features	AI/ML-enabled automated doppler quantification in TEE; AI-enabled automated mitral valve quantification in tee; automated 2d quantification of left ventricle in tee.	AI/ML-enabled automated doppler quantification in TEE; AI/ML-enabled automated mitral valve quantification in TEE; automated 2d quantification of left ventricle in TEE.	
Pg.No.17/28 Echocardiography probes , I. System A (cardiology)	ADDED	k. Neonatal 2D Transesophageal echo doppler transducer with frequency ranging from 3-8mhz - 1no	

Pg no.18/28 Echocardiography Probes, II System B (Cardiac Anaesthesia)	a. Adult 2d transthoracic echo doppler transducer with frequency ranging from 1-5 mhz ± 0.5mhz. This transducer should have either single crystal technology or pure wave technology for excellent image quality on difficult to image patients. Must have tissue harmonic imaging.	DELETED
Pg no.18/28 Echocardiography Probes, II System B (Cardiac Anaesthesia)	b. Pediatric transthoracic echo doppler transducer with frequency ranging from 3-8 +/-2 mhz.	DELETED
Pg no.18/28 Echocardiography Probes, II System B (Cardiac Anaesthesia)	c. Neonatal 2d transthoracic probe – 4-12+/-2mhz	DELETED
Pg no.18/28 Echocardiography Probes, II System B (Cardiac Anaesthesia)	Pediatric live 3d/4d transthoracic echo doppler transducer with frequency ranging from 3-7 +/-2 mhz.	DELETED
Pg no.18/28 Echocardiography Probes, II System B (Cardiac Anaesthesia)	Neonatal transesophageal 2d echocardiography probe (3-8 +/-2 mhz)	DELETED

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12. **Demurrage charges** In case the rejected items are not lifted by the firm within 48 hrs, the demurrage charges at the rate of 0.5% of total contract value will be charged per day. In case the items are not lifted within a month, the same will be destroyed by the station board of officers and no claim will be

admitted.Demurrage charges. In case the rejected items are not lifted by the firm within 48 hrs, the demurrage charges at the rate of 0.5% of total contract value will be charged per day. In case the items are not lifted within a month, the same will be destroyed by the station board of officers and no claim will be admitted.

13. Bidder's offer is liable to be rejected if they dont upload any of the certificates / documents sought in the Bid document, ATC and Corrigendum if any.
14. **Manufacturer Authorization:**Wherever Authorised Distributors/service providers are submitting the bid, Authorisation Form /Certificate with OEM/Original Service Provider details such as name, designation, address, e-mail Id and Phone No. required to be furnished along with the bid
15. Successful Bidder can submit the Performance Security in the form of Account Payee Demand Draft also (besides PBG which is allowed as per GeM GTC). DD should be made in favour of
DIRECTOR, SCTIMST
payable at
TRIVANDRUM
. After award of contract, Successful Bidder can upload scanned copy of the DD in place of PBG and has to ensure delivery of hard copy to the original DD to the Buyer within 15 days of award of contract.
16. Successful Bidder can submit the Performance Security in the form of Fixed Deposit Receipt also (besides PBG which is allowed as per GeM GTC). FDR should be made out or pledged in the name of
DIRECTOR, SCTIMST
A/C (Name of the Seller). The bank should certify on it that the deposit can be withdrawn only on the demand or with the sanction of the pledgee. For release of Security Deposit, the FDR will be released in favour of bidder by the Buyer after making endorsement on the back of the FDR duly signed and stamped along with covering letter. Successful Bidder has to upload scanned copy of the FDR document in place of PBG and has to ensure delivery of hard copy of Original FDR to the Buyer within 15 days of award of contract.
17. Without prejudice to Buyer’s right to price adjustment by way of discount or any other right or remedy available to Buyer, Buyer may terminate the Contract or any part thereof by a written notice to the Seller, if:
i) The Seller fails to comply with any material term of the Contract.
ii) The Seller informs Buyer of its inability to deliver the Material(s) or any part thereof within the stipulated Delivery Period or such inability otherwise becomes apparent.
iii) The Seller fails to deliver the Material(s) or any part thereof within the stipulated Delivery Period and/or to replace/rectify any rejected or defective Material(s) promptly.
iv) The Seller becomes bankrupt or goes into liquidation.
v) The Seller makes a general assignment for the benefit of creditors.
vi) A receiver is appointed for any substantial property owned by the Seller.
vii) The Seller has misrepresented to Buyer, acting on which misrepresentation Buyer has placed the Purchase Order on the Seller.
18. 1. The Seller shall not assign the Contract in whole or part without obtaining the prior written consent of buyer.
2. The Seller shall not sub-contract the Contract in whole or part to any entity without obtaining the prior written consent of buyer.
3. The Seller shall, notwithstanding the consent and assignment/sub-contract, remain jointly and severally liable and responsible to buyer together with the assignee/ sub-contractor, for and in respect of the due performance of the Contract and the Sellers obligations there under.
19. Buyer uploaded ATC document Click here to view the file.

Disclaimer

The Additional Terms and Conditions (ATC) have been incorporated by the Buyer after approval of their Competent Authority. The Buyer ,is solely responsible for the impact of these clauses on the bidding process, its outcome, and consequences thereof including any restriction arising in the bidding process due to these ATCs and including the modification of technical specifications and / or terms and conditions governing the bid.All representations / grievances pertaining to the ATC clauses shall be raised with the buyer organization directly and not with GeM.If any of the clause(s) is/are incorporated by the Buyer regarding the following, the bid & resultant contract shall be treated as null & void. Further, GeM reserves the right, at its sole discretion, to cancel the bid forthwith, without issuance of any prior notice or intimation :-

1. Publishing Custom / BOQ bids for items for which regular GeM categories are available (unless such Custom / BOQ item is bunched with the major regular product Category Item).

2. Mandating procurement of / from specific Brand / Make / Model / Manufacturer / Dealer except in case of Single Bid / Proprietary Article Certificate (PAC) Buying.
3. Inclusion of disqualification criteria related to suspension of seller / service provider, where such suspension period has already expired.
4. Mandating submission of documents in physical form as a pre-requisite to qualify bidders.
5. Publishing bids on GeM for procurement of works.
6. Procurement of Goods by creating a Service bid on GeM & vice-versa.
7. Seeking sample with bid or approval of samples during bid evaluation process. However, trial / sample, as the case may be, shall be permitted in cases where trial / sample are allowed as per approved and published procurement policy of the Buyers' controlling Ministry / Department / State / Public Sector Enterprises Headquarters. If there is any violation of trial / sample clause with regard to approved policy of the Buyers' Ministry / Department / State / Public Sector Enterprises Headquarters, then this is to be determined and redressed by the concerned Buyer Organisation only.
8. Seeking experience from specific organization / department / institute only or from foreign / export experience.
9. Creating bid for items from incorrect categories.
10. Reference of conditions published on any external site or reference to external documents/clauses.
11. Asking for any Tender fee / Bid Participation fee, as the case may be.
12. Buyer added ATC Clauses which are in contravention of clauses defined in bid detail section, including specifications, EMD Detail, ePBG Detail and MII and MSE Purchase Preference sections of the bid, unless otherwise allowed by the applicable GeM GTC.
13. Any ATC clause in contravention with GeM GTC Clause 4 (xiii) (h) will be invalid. In case of multiple L1 bidders against a service bid, the buyer shall place the Contract by selection of a bidder amongst the L-1 bidders through a Random Algorithm executed by GeM system.
14. In a category based bid, adding additional items, through buyer added, additional scope of work/ additional terms and conditions/or any other document. If buyer needs more items along with the main item, the same must be added through bunching category based items or by bunching custom catalogues or bunching a BoQ with the main category based item, the same must not be done through ATC or Scope of Work.

Further, if any seller has any objection/grievance against these additional clauses or otherwise on any aspect of this bid, they can raise their representation against the same by using the Representation window provided in the bid details field in Seller dashboard after logging in as a seller. Buyer is duty bound to reply to all such representations and would not be allowed to open bids if he fails to reply to such representations.

*This document shall overwrite all previous versions of Bid Specific Additional Terms and Conditions.

This Bid is also governed by the General Terms and Conditions