

Bid Document

Bid Details	
Bid End Date/Time	27-07-2020 17:00:00
Bid Opening Date/Time	27-07-2020 17:30:00
Bid Life Cycle (From Publish Date)	90 (Days)
Bid Offer Validity (From End Date)	65 (Days)
Ministry/State Name	Ministry Of Health And Family Welfare
Department Name	Department Of Health And Family Welfare
Organisation Name	Post Graduate Institute Of Medical Education And Research Chandigarh
Office Name	Pgimer
Total Quantity	2
Item Category	Echo Cardiography Scanning Machine
MSE Exemption for Years of Experience and Turnover	No
Startup Exemption for Years of Experience and Turnover	No
Document required from seller	OEM Authorization Certificate *In case any bidder is seeking exemption from Experience / Turnover Criteria, the supporting documents to prove his eligibility for exemption must be uploaded for evaluation by the buyer
Bid to RA enabled	Yes
Inspection Required	No

EMD Detail

Advisory Bank	State Bank of India
EMD Percentage(%)	2.00
EMD Amount	100800

ePBG Detail

Advisory Bank	State Bank of India
ePBG Percentage(%)	10.00
Duration of ePBG required (Months).	62

(a). EMD EXEMPTION: The bidder seeking EMD exemption, must submit the valid supporting document for the relevant category as per GeM GTC with the bid. Under MSE category, only manufacturers for goods and Service Providers for Services are eligible for exemption from EMD. Traders are excluded from the purview of this Policy.

(b). EMD & Performance security should be in favour of Beneficiary, wherever it is applicable.

Beneficiary:

ASST. PURCHASE OFFICER

Pgimer, Department of Health and Family Welfare, Post Graduate Institute of Medical Education and Research
Chandigarh, Ministry of Health and Family Welfare
(Yogesh Kumar Sharma)

Splitting

Bid splitting not applied.

Echo Cardiography Scanning Machine (2 pieces)**Technical Specifications**

[* As per GeM Category Specification](#)

Specification	Specification Name	Values	Bid Requirement (Allowed Values)
Standards	Product certification	-	*
	Certification number and date	-	*
	Confirmity to Manufacturer's Certification	ISO 9001 AND ISO 13845 BOTH	ISO 9001 AND ISO 13845 BOTH
	Confirmity to Performance and safety standards specific to the device	IEC 60601-2-27 or equivalent BIS	*
Performance Parameters	Product Description	Cardiac ultrasonic scanning systems	*
	Scope of supply	Cardiac ultrasonic scanning systems are designed for real-time, noninvasive assessment of heart structures and function. They are used to evaluate cardiac wall motion and valve function to detect such conditions as mitral valve prolapse and aortic valve stenosis, to determine the extent of damage from suspected myocardial infarction, and to diagnose congenital cardiac defects	*
	UMDNS Code and names(Hint: This is for indicating the relevant universal medical devices nomenclature for the category of prouct)	Scanning Systems, Ultrasonic, Cardiac [17-422] Scanning Systems, Ultrasonic, Intravascular [17-746]V	*
Types of Probes & Features	Echocardiography Scanning System shouls have an option of Cardiac (adult, pediatric), intraoperative, small organs, TEE, vascular	YES	*

Cardiac and Vascular Probes Configuration	TTE AND LINEAR	TTE AND LINEAR
TTE Probe Type	Adult and Pediatric	Adult and Pediatric
Adult TTE probe Frequency in MHz	3-5 MHz (± 2)	*
Pediatric TTE probe Frequency in MHz	5-7.5 MHz (± 2)	*
TEE Adult Probe biplane and Multiplane frequency, in MHz	Not Applicable	Not Applicable
TEE Pediatric Probe Supplied	No	No
TEE Pediatric Probe frequency, in MHz	Not Applicable	Not Applicable
Linear Probe for linear/vascular applications	Yes	Yes
Adult/Pediatric Linear probe frequency in MHz	5 - 14 MHz (± 2)	5 - 14 MHz (± 2)
No of Adult TTE Probes supplied	1	*
No of Pediatric TTE Probes supplied	1	1
No of Adult TEE Probes supplied	NA	NA
No of Pediatric TEE Probes supplied	NA	*
No of Adult/pediatric Linear Probes supplied	1	1
Dedicated 3D/4D volume imaging for cardiology TTE and TEE	No	No
Live 3 D imaging in color doppler system	No	No
Colour Doppler system with all application packages ,Quad loop for serial studies with high frame rate reviews, harmonic imaging capability in all modes and integrated stress echo package digital storage and retrieval	No	No
Number of grey shades for sharp contrast resolutions in db	256 Or more	*
High-definition acoustic zoom provision for enlarging sections of 2D and Colour flow images with more acoustic information for greater clarity and detail while maintaining an optimal frame rate	YES	*
Colour Flow Imaging Optim	YES	*
Provision of Tissue	No	No

	Colorization (B-Colour) for improved contrast resolution		
	Application software	Adult,Pediatric & Vascular applications	Adult,Pediatric & Vascular applications
	All application packages should be inbuilt into the system	YES	*
	Cine Loop Features	Yes	Yes
	Cine Loop Memory in Frames	255	*
	Frame grabber facility for post analysis	Yes	Yes
	Facility of Various maps for pre and post processing	Yes	Yes
	ECG trigger facility	No	No
	User defined system and application presets for multi-user department	YES	*
	"Dedicated integrated dynamic stress echo package for flexible user defined protocols with stacked sub loops facility and contrast stress protocol usable for stress echocardiography"	No	No
	Provision of Tissue movement colorization with quantification possibility for IHD/CAD/Heart Failure patients	YES	*
	Number of transducer/probe ports	3	3
Scan Modes and Performance Parameters	Cardiac 3-D freehand Option	No	No
	Cardiac 3D/4D automatic Option	No	No
	B-mode	YES	*
	M MODE	YES	*
	Contrast Harmonic/Agent Imaging with angio mode	Yes	Yes
	Tissue harmonic imaging mode	YES	*
	Provision of Harmonic imaging in TTE, TEE and Linear Probes	Yes	Yes
	Color Doppler imaging (CDI)	YES	*
	Color Doppler 3-D/4-D option	No	No
	Power Doppler imaging (PDI)	YES	*
	Power Dopple 3-D/4-D	No	No

option		
Continuous wave	YES	*
Pulsed wave	YES	*
Duplex mode	YES	*
Triplex mode	YES	*
Tissue Doppler imaging	YES	*
Contrast-enhanced ultrasound (CEUS) option	No	No
Tissue synchronization, tissue velocity	Yes	Yes
Cardiac Shear wave elastography	No	No
Cardiac compression elastography	No	No
Gain control in two dimensions for additional level of flexibility for image quality control	YES	*
"Provision for higher resolution "	Real time high frequency 2D	*
Probes supplied shall be in latest generation bandwidth	YES	*
Provision for higher sensitivity for low frequency doppler in all probes	Yes	Yes
Latest generation Electronic Phased/sector array Colour Doppler system	Yes	Yes
Number of Channels in color doppler system	128 or more (if channels are being designated as physical channels)	128 or more (if channels are being designated as physical channels)
System should be capable of generating real time live 3- D images	NO	NO
Provision of Echocardiographic strain and strain-rate imaging with 2 D imaging	No	*
Provision of Echocardiographic strain and strain-rate imaging with 3 D imaging	No	*
Image display and processing	DICOM THREE POINT ZERO COMPLIANT	No
	Adjustable transmit focus	YES
	Automated B-mode (2-D) image	Yes
	Automated CDI image optimization	Yes
	Automated PW Doppler image optimization	Yes

Dynamic receive focus	YES	*
Grayscale levels	256	*
Image magnification (zoom)	YES	*
Real-time image	YES	*
Frozen image	YES	*
TOUCH SCREEN	NO	NO
HIGH RESOLUTION MONITOR	YES	*
"Provision of Tilt and Swivel monitor should be able to view in all angles and all light conditions"	YES	*
Monitor display size, cm (in)	12 Inch(± 1)	12 Inch(± 1)
Split screen	TWIN VIEW	TWIN VIEW
Single/dual monitors	SINGLE	SINGLE
Depth, cm	≥ 30 (11.8)	*
PREPROCESSING	YES	*
POST PROCESSING	YES	*
SELECTABLE DYNAMIC RANGE	YES	*
SPECTRUM ANALYZER	YES	*
DIGITAL IMAGE STORAGE	YES	*
CINE LOOP PLAYBACK	YES	*
Max number frames	600	*
HARD DRIVE STORAGE CAPACITY , GB	≥ 500 GB	*
Speckle-tracking strain and strain rate	No	No
Stress echo	No	No
EXAM PROTOCOL	YES	*
Analysis and calculation packages	NO	NO
Automated	YES	*
Digital calipers	YES	*
EXAM PRESETS	YES	*
Customizable presets	YES	*
On-screen annotation	YES	*
DVD/CD Writer	No	No
Flash Memory	YES	*
USB connector	YES	*
Type of printer provided with the echo cardio machine	THERMAL PRINTER	THERMAL PRINTER
"Facility for high definition digital acquisition, review and editing of complete patient studies"	YES	*

	Connectivity to PC and Echo cardiography machine	THROUGH IMS SOFTWARE	*
	Provision of PC with echo cardio gram machine	No	No
	Type of processor	1.7 OR LATEST	1.7 OR LATEST
	RAM capacity of PC in GB (hint: In caase PC not provided put zero)	NA	NA
	Processor speed in GHZ	NA	NA
	Frame Grabber incorporated	No	No
	Conectivity between Echo cardiogram and PC	NA	NA
	PC with all software inclusive interfaced with echocardiograph machine	NA	NA
	laser Color printer provided with computer for rerporting	No	No
	Inkjet printer provided with computer for reporting	No	No
	CD/DVD Produced should be playable on any system	No cd/dvd Writer provided	No cd/dvd Writer provided
	Glossy Colour Print Paper supplied	Not provided	Not provided
	ECG Cable	NA	NA
	Echo cardiography sytem to be DICOM Ready	No	No
	Dicom Interfacability to HIS	No	No
	Dicom Interfacability Dicom to PACS	No	No
	Interfacability Dicom to RIS	No	No
	Echo Cardiography sytem supplied should be upgradable to next generation system on site	YES	*
Power Requiriments	Power input, VAC	220-240VAC, 50Hz fitted with Indian plug	*
	Resettable over current breaker shall be fitted for protection	No	No
	Power bakup	INBUILT BATTERY	INBUILT BATTERY
	Back up time in minutes	60	60
	Suitable Servo Controlled Stabilizer / CVT should be provided	YES	*
Miscellaneous Parameters	Warranty in years	5	5
	Number of installations	MORE THAN 3	MORE THAN 3

of the echo cardiogram machines in Central /State/PSU Govt Hospitals(Note: Seller should supply a performace certificate of the device to the buyer if demanded after placement of order)		
User/Technical/Maintenance manuals to be supplied in English in hard and soft copy	YES	*
Demonstration of equipment and training to be provided after completing supplies & Installation before acceptance	YES	*
The Principal Manufacturer must have direct Presence/approved service center In India	YES	*
Copies of reports and certifications to be furnished to buyer on demand at time of supplies	YES	*
Attach certificate from the principal that spare parts will be available for next 10 years	YES	*
QA, QC Or other Calibration tests(6 months/ 1 year as per NABH/JCI)	YES	*

* Specifications highlighted in bold are the Golden Parameters.

* Bidders may note that In respect of non-golden Parameters, the specifications 'Values' chosen by Buyer will generally be preferred over 'Bid requirement (allowed Values) by the Buyer.

Additional Specification Documents

Consignees/Reporting Officer and Quantity

S.No.	Consignee/Reporting Officer	Address	Quantity	Delivery Days
1	Ramesh Lal	160012,Store Officer Central Stores Nehru Hospital POST GRADUATE INSTITUTE OF MEDICAL EDUCATION AND RESEARCH, sector 12 CHANDIGARH	2	30

Bid Specific Additional Terms and Conditions

- 1.If the agency is registered under MSME or NSIC, then EMD exemption certificate needs to be enclosed.
- 2.Make in india specific authorisation certificate needs to be enclosed.
- 3.IMPORTED PRODUCTS: In case of imported products, OEM or Authorized Seller of OEM should have a registered office in India to provide after sales service support in India. The certificate to this effect should be submitted.
- 4.SLBR52
- 5.Scope of supply (Bid price to include all cost components) : Supply Installation Testing Commissioning of Goods and Training of operators and providing Statutory Clearances required (if any)
- 6.ISO 9001: The bidder must have ISO 9001 certification.

7. The bidder is required to upload, along with the bid, all relevant certificates such as BIS licence, type test certificate, approval certificates and other certificates as prescribed in the Product Specification given in the bid document.
8. 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.
9. Dedicated /toll Free Telephone No. for Service Support : BIDDER/OEM must have Dedicated/toll Free Telephone No. for Service Support.
10. Escalation Matrix For Service Support : Bidder/OEM must provide Escalation Matrix of Telephone Numbers for Service Support.
11. Warranty period of the supplied products shall be 5 years from the date of final acceptance of goods or after completion of installation, commissioning & testing of goods (if included in the scope of supply), at consignee location. OEM Warranty certificates must be submitted by Successful Bidder at the time of delivery of Goods. The seller should guarantee the rectification of goods in case of any break down during the guarantee period. Seller should have well established Installation, Commissioning, Training, Troubleshooting and Maintenance Service group in INDIA for attending the after sales service. Details of Service Centres near consignee destinations are to be uploaded along with the bid

[This Bid is also governed by the General Terms and Conditions](#)

---Thank You---