

### Bid Document

Bid Details	
Bid End Date/Time	25-02-2021 15:00:00
Bid Opening Date/Time	25-02-2021 15:30:00
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	Jawaharlal Institute Of Postgraduate Medical Education And Research (jipmer)
Office Name	Jawaharlal Institute Of Postgraduate Medical Education And Research
Total Quantity	1
Item Category	Echo Cardiography Scanning Machine
Experience Criteria	2 Year (s)
MSE Exemption for Years of Experience and Turnover	No
Startup Exemption for Years of Experience and Turnover	No
Document required from seller	Experience Criteria,Past Performance,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
Past Performance	10 %
Bid to RA enabled	No
Comprehensive Maintenance Charges Required	Yes
Time allowed for Technical Clarifications during technical evaluation	2 Days
Inspection Required	No
Evaluation Method	Total value wise evaluation

#### EMD Detail

Required	No
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#### ePBG Detail

Advisory Bank	State Bank of India
ePBG Percentage(%)	3.00
Duration of ePBG required (Months).	62

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

**Beneficiary:**

Director, JIPMER

Jawaharlal Institute of Postgraduate Medical Education and Research, Department of Health and Family Welfare,  
 Jawaharlal Institute of Postgraduate Medical Education and Research (JIPMER), Ministry of Health and Family Welfare  
 (The Director)

**Splitting**

Bid splitting not applied.

1. Experience Criteria: In respect of the filter applied for experience criteria, the Bidder or its OEM {themselves or through reseller(s)} should have regularly, manufactured and supplied same or similar Category Products to any Central / State Govt Organization / PSU / Public Listed Company for number of Financial years as indicated above in the bid document before the bid opening date. Copies of relevant contracts to be submitted along with bid in support of having supplied some quantity during each of the Financial year. In case of bunch bids, the category of primary product having highest value should meet this criterion.

2. Past Performance: The Bidder or its OEM {themselves or through re-seller(s)} should have supplied same or similar Category Products for 10% of bid quantity, in at least one of the last three Financial years before the bid opening date to any Central / State Govt Organization / PSU / Public Listed Company. Copies of relevant contracts (proving supply of cumulative order quantity in any one financial year) to be submitted along with bid in support of quantity supplied in the relevant Financial year. In case of bunch bids, the category related to primary product having highest bid value should meet this criterion.

**Echo Cardiography Scanning Machine ( 1 pieces )****Technical Specifications**\* [As per GeM Category Specification](#)

Specification	Specification Name	Bid Requirement (Allowed Values)
Standards	<b>Confirmity to Manufacturer's Certification</b>	ISO 9001 AND ISO 13845 BOTH
Types of Probes & Features	<b>Cardiac and Vascular Probes Configuration</b>	TTE AND LINEAR
	<b>TTE Probe Type</b>	Adult, Adult and Pediatric
	<b>TEE Adult Probe biplane and Multiplane frequency, in MHz</b>	2 - 7.5 MHz ( $\pm 2$ ), Not Applicable
	<b>TEE Pediatric Probe Supplied</b>	No
	<b>TEE Pediatric Probe frequency, in MHz</b>	Not Applicable
	<b>Linear Probe for linear/vascular applications</b>	Yes, No
	<b>Adult/Pediatric Linear probe frequency in MHz</b>	5 - 14 MHz ( $\pm 2$ )
	<b>No of Pediatric TTE Probes supplied</b>	NA
	<b>No of Adult TEE Probes supplied</b>	1, NA
	<b>No of Adult/pediatric Linear Probes supplied</b>	1, NA

	<b>Dedicated 3D/4D volume imaging for cardiology TTE and TEE</b>	Yes, No
	<b>Live 3 D imaging in color doppler system</b>	Yes, No
	<b>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</b>	Yes, No
	<b>Provision of Tissue Colorization (B-Colour) for improved contrast resolution</b>	No
	<b>Application software</b>	Adult,Pediatric & Vascular applications
	<b>Cine Loop Features</b>	Yes
	<b>Frame grabber facility for post analysis</b>	No
	<b>Facility of Various maps for pre and post processing</b>	No
	<b>ECG trigger facility</b>	Yes
	<b>"Dedicated integrated dynamic stress echo package for flexible user defined protocols with stacked sub loops facility and contrast stress protocol usable for stress echocardiography"</b>	No
	<b>Number of transducer/probe ports</b>	2
Scan Modes and Performance Parameters	<b>Cardiac 3-D freehand Option</b>	No
	<b>Cardiac 3D/4D automatic Option</b>	No
	<b>Contrast Harmonic/Agent Imaging with angio mode</b>	Yes, No
	<b>Provision of Harmonic imaging in TTE, TEE and Linear Probes</b>	Yes
	<b>Color Doppler 3-D/4-D option</b>	No
	<b>Power Dopple 3-D/4-D option</b>	No
	<b>Contrast-enhanced ultrasound (CEUS) option</b>	No
	<b>Tissue synchronization, tissue velocity</b>	Yes
	<b>Cardiac Shear wave elastography</b>	No
	<b>Cardiac compression elastography</b>	No
	<b>Provision for higher sensitivity for low frequency doppler in all probes</b>	Yes
	<b>Latest generation Electronic Phased/sector array Colour Doppler system</b>	Yes

	<b>Number of Channels in color doppler system</b>	128 or more (if channels are being designated as physical channels)
	<b>System should be capable of generating real time live 3- D images</b>	NO
Image display and processing	<b>DICOM THREE POINT ZERO COMPLIANT</b>	Yes
	<b>Automated B-mode (2-D) image</b>	Yes
	<b>Automated CDI image optimization</b>	Yes
	<b>Automated PW Doppler image optimization</b>	No
	<b>TOUCH SCREEN</b>	YES
	<b>Monitor display size, cm (in)</b>	12 Inch( $\pm$ 1)
	<b>Split screen</b>	TWIN VIEW
	<b>Single/dual monitors</b>	SINGLE
	<b>Speckle-tracking strain and strain rate</b>	Yes
	<b>Stress echo</b>	Yes, No
	<b>Analysis and calculation packages</b>	2-D wall motion tracking, 3-D wall motion tracking, cardiac, mitral valve analysis, user-programmable calculations, NO
	<b>DVD/CD Writer</b>	Yes, No
	<b>Type of printer provided with the echo cardio machine</b>	THERMAL PRINTER, LASER PRINTER
	<b>Provision of PC with echo cardio gram machine</b>	Yes, No
	<b>Type of processor</b>	1.7 OR LATEST, NA
	<b>RAM capacity of PC in GB (hint: In caase PC not provided put zero)</b>	$\geq$ 4, NA
	<b>Processor speed in GHZ</b>	$\geq$ 3, NA
	<b>Frame Grabber incorporated</b>	Yes, No
	<b>Conectivity between Echo cardiogram and PC</b>	Through IMS/EQUIVALENT SOFTWARE, NA
	<b>PC with all software inclusive interfaced with echocardiograph machine</b>	YES, NA
	<b>laser Color printer provided with computer for rerporting</b>	Yes, No
	<b>Inkjet printer provided with computer for reporting</b>	Yes, No
<b>CD/DVD Produced should be playable on any system</b>	YES, No cd/dvd Writer provided	
<b>Glossy Colour Print Paper supplied</b>	500 sheets, 1000 sheets, Not provided	
<b>ECG Cable</b>	2, NA	
<b>Echo cardiography sytem to be DICOM Ready</b>	Yes, No	

	<b>Dicom Interfacability to HIS</b>	Yes, No
	<b>Dicom Interfacability Dicom to PACS</b>	Yes, No
	<b>Interfacability Dicom to RIS</b>	Yes, No
Power Requirments	<b>Resettable over current breaker shall be fitted for protection</b>	Yes, No
	<b>Power bakup</b>	INBUILT BATTERY
	<b>Back up time in minutes</b>	30, 60
Miscellaneous Parameters	<b>Warranty (Option of comprehensive warranty is available through bidding only, which if opted will supersede normal warranty in the catalogue)</b>	5
	<b>Number of installations 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)</b>	MORE THAN 3

<b>Comprehensive Maintenance Charges</b>	
Warranty of required product	5 Year
Comprehensive Maintenance Duration (Post Warranty)	5 Year

\*Warranty displayed under the AMC/CMC Details section will supersede the warranty displayed under the catalog specification

#### Consignees/Reporting Officer and Quantity

S.No.	Consignee/Reporting Officer	Address	Quantity	Delivery Days
1	N Balamurugan	605006,Jawaharlal Institute of Postgraduate Medical Education and Research, Dhanvantari Nagar, Puducherry	1	15

#### Special terms and conditions for category Echo Cardiography Scanning Machine

##### 1.1. Comprehensive warranty:

Comprehensive warranty shall include preventive maintenance including calibration as per technical/ service /operational manual of the manufacturer, service charges and spares,. During the warranty period commencing from date of the successful completion of warranty period, Service personnel shall visit each consignee site as recommended in the manufacturer's technical/ service /operational manual, at least once in six months. warranty shall not be including the consumables .Further there will be 98% uptime warranty during warranty period on 24 (hrs) X 7 (days) X 365 (days) basis, with penalty, to extend warranty period by double the downtime period.

##### 2. Service centres:

Details of Service outlets in India to render services for equipment to be furnished to buyer/consignees with complete address ,telephone numbers, e mails etc at time of making the supplies .It shall be the responsibility of seller to ensure that authorized service centres are available to cater to the areas where supplies are made

within reasonable distance from where the service calls can be handled .Details of toll free numbers for service call and online registration of service requests also to be provided buyer/consignee at the time of supplies.

### **3. Source of supply:**

It shall be responsibility of seller to provide Documents regarding source of equipments such as copy of Performa invoice or any other documents to establish that the products supplied are manufactured by OEM indicated and sourced from them .

**4. Packing and Marking:** Medical equipments being very delicate and sensitive packing for the goods should be strong and durable enough to withstand transit including transshipment (if any), rough handling, open storage etc. without any damage, deterioration etc. .The size, weights and volumes of the packing cases, remoteness of the final destination of the goods, availability or otherwise of transport and handling facilities at all points during transit up to final destination,,. Quality of packing, the manner of marking within & outside the packages and provision of accompanying documentation shall take in to consideration the type of medical equipments being supplied. The accessories shall be suitably labelled and packed .Each of the package shall be marked on three sides with indelible paint of proper quality: indicating contract number and date , brief description of goods including quantity ,. Packing list reference number , country of origin of goods and any other relevant details.**5. Spare Parts:**

Seller shall provide materials, information etc. pertaining to spare parts manufactured and supplied by the OEM . It shall be ensured that the required spares are available for purchase at least for 10 years from date of supplies .In case due to any reasons the production of the spare parts is discontinued sufficient advance notice should be given to the buyer/consignee before such discontinuation to provide adequate time to purchase the required spare parts etc. Further, OEM and their service centres/dealers shall carry sufficient inventories to assure ex-stock supply of consumables and spares for the equipments so that the same are available.

OEM or reseller shall always accord most favoured client status to the buyer/consignee and shall give the most competitive price for spares and consumables of its machines/equipments supplied

### **6. Installation, Training, Manuals:**

Seller shall be responsible to carry out Installation & commissioning, Supervision and Demonstration of the goods. They shall provide required jigs and tools for assembly, minor civil works for the completion of the installation and Training of Consignee's representatives for operating and maintaining the equipment and Supplying required number of operation & maintenance manual for the goods. In case the category parameters are specifying any requirements regarding the installations , training and manuals the same shall also be applicable.

### **7. Electrical safety checking:**

Sellers are required to make sure that they furnish the list of equipments for carrying out routine and preventive maintenance to buyer/consignee. They should make sure to periodically check the electrical safety aspects as per BIS Safety Standards or equivalent. In case they do not have required equipment for such testing should ensure that the equipments checked for electrical safety compliance through labs with facilities for such checking during every preventive maintenance call.

### **8. Software:**

All software updates should be provided free of cost during warranty period.

## **Bid Specific Additional Terms and Conditions**

- 1.Experience Certificate for the supply of the same to any Govt/ PSU/ any renowned private organisation along with Supply/ Purchase Order.
- 2.Make in india specific authorisation certificate needs to be enclosed.
- 3.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.
- 4.Dedicated /toll Free Telephone No. for Service Support : BIDDER/OEM must have Dedicated/toll Free Telephone No. for Service Support.
- 5.Over and above the normal Warranty terms as per GeM GTC, the successful bidder / OEM shall have to provide Comprehensive Warranty during the entire Standard warranty period as per contract. : The comprehensive warranty shall be covering the following scope Whole machine and Probes , except Consumables (Upload an undertaking with the bid confirming compliance by the bidder if Bidder is taking onus of this compliance. In case

- OEM is taking onus of this compliance, OEM undertaking is to be uploaded along with Bidder undertaking)
6. Warranty period of the supplied products shall be as given in specifications 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.
7. 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.

## **Additional Clause For Comprehensive Maintenance Charges**

1. CMC shall include preventive maintenance including calibration as per technical/ service /operational manual of the manufacturer, service charges and spares, after satisfactory completion of Warranty. During the CMC period commencing from date of the successful completion of warranty period, Service personnel shall visit each consignee site as recommended in the manufacturer's technical/ service /operational manual, at least once in six months. CMC shall not be including the consumables. Further there will be 98% uptime warranty during CMC period on 24 (hrs) X 7 (days) X 365 (days) basis, with penalty, to extend CMC period by double the downtime period.

2. CMC charges to be indicated as percentage of cost of equipment quoted for each year after the warranty period.

3. GST shall be included in the CMC Charges quoted.

4. Cost of CMC will be added for Ranking/Evaluation purpose with depreciation formula. A 10% discounting rate per year shall be applied on CMC Charges for price evaluation on present value.

5. The payment of CMC will be made on quarterly basis after satisfactory completion of said period, duly certified by end user.

6. While creating a bid or RA buyers shall indicate whether CMC is required against Yes/No options. If CMC Charges are included an option for number of years for CMC required after the warranty period shall be available. Under this options up to 5 years can be chosen for CMC charges beyond warranty period.

7. The CMC functionality shall be available in bid only and no direct RA shall be applicable. In case of bid to RA decrement rules shall be applicable on total price inclusive of CMC charges. Bunching of products shall not be available while creating bids with CMC charges.

7.1. Buyer shall indicate number of years of warranty by selecting option of 2 or 5 available in the field depending on warranty parameter applicable in category parameters for the equipment. The Seller while participating in Bid/RA will get fields to indicate CMC charges as percentage depending on number of years of CMC selected by Buyer. The following shall be applicable If 5 year CMC selected

- CMC charges for first year after warranty period - Percentage to be indicated- A 1
- CMC charges for second year after warranty period - Percentage to be indicated A2
- CMC charges for third year after warranty period - Percentage to be indicated A3
- CMC charges for fourth year after warranty period - Fixed amount to be indicated A4
- CMC charges for 5th year after warranty period - Percentage to be indicated A5

7.2. The calculation of CMC Charges shall take in to account of number of years of warranty and duration of CMC as specified while creating bid.

7.3. In the price evaluation, the system shall provide function to calculate the cost of each equipment by formula indicated below including CMC and then show the inter-se- ranking of the bidders. The following are the variables.

(i) Number of years for which CMC required.

(ii) Number of years of warranty. The formula for calculating total cost including CMC charges shall be :

Total cost for evaluation=  $C + C \cdot (A_1/100) / (1.10^n) + A_2/100 / (1.10^{n+1}) + A_3/100 / (1.10^{n+2}) + A_4/100 / (1.10^{n+3}) + A_5/100 / (1.10^{n+4})$

C - Cost for equipment quoted and n shall be number of years of warranty specified

If 2 year warranty specified n shall be 2 and if 5 year specified n shall be 5.

A1, A2 A3 A4 A5 shall depend on how many years CMC selected If 3 year means only A1, A2 and A3 factor to be not taken in to account and A4 and A5 will not be applicable

7.4. CMC charges to be indicated for each subsequent year should be same or higher than preceding year.

7.5. The CMC charges shall be offered within range of 3 to 10% of cost of equipment.

8. Since CMC charges are to be paid only later for each year during CMC period , applicable performance guarantee amount after placement of contract shall be based on the cost of equipment and not on basis of cost of equipment along with CMC Charges.

9. Performance bank guarantee applicable for CMC is to be submitted at start of the CMC and shall be applicable % as specified in bid on the total contract value including CMC Charges The PBG submitted after award of contract shall be released only after new PBG for the CMC period is submitted and accepted by buyer/consignee after due verification. Bank guarantee for CMC is to remain valid till completion of CMC period plus one year .The bank guarantee for CMC shall be submitted to buyer directly.

10. In case of splitting of quantity equipment cost and CMC charges offered by L-1 in the evaluated cost shall be matched by higher quoting eligible bidders on one to one basis .The equipment cost shall be matched and CMC charges shall be matched year to year.

11. The CMC Contract shall be an offline contract to be handled by buyer. The payment of CMC will be made on quarterly basis after satisfactory completion of said period, duly certified by end user and scope of CMC will be as per para 1 above.

12. The above terms and conditions shall be part of the bid as well as part of the contract.

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

In terms of GeM GTC clause 26 regarding Restrictions on procurement from a bidder of a country which shares a land border with India, any bidder from a country which shares a land border with India will be eligible to bid in this tender only if the bidder is registered with the Competent Authority. While participating in bid, Bidder has to undertake compliance of this and any false declaration and non-compliance of this would be a ground for immediate termination of the contract and further legal action in accordance with the laws.

**---Thank You---**