

### Bid Document

Bid Details	
Bid End Date/Time	21-07-2020 18:00:00
Bid Opening Date/Time	21-07-2020 18:30:00
Bid Life Cycle (From Publish Date)	90 (Days)
Bid Offer Validity (From End Date)	75 (Days)
Ministry/State Name	Ministry Of Railways
Department Name	Na
Organisation Name	N/a
Office Name	Eastern Railway
Total Quantity	1
Item Category	Ultrasound Scanning Machine
Experience Criteria	1 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,Certificate (Requested in ATC),OEM Authorization Certificate,OEM Annual Turnover *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	Yes
Inspection to be carried out by Buyers own empanelled agency	Yes
Type Of Inspection	Pre Dispatch
Name of the Empanelled Inspection Agency/ Authority	RITES

### EMD Detail

Advisory Bank	State Bank of India
EMD Percentage(%)	5.00
EMD Amount	56250

**ePBG Detail**

Advisory Bank	State Bank of India
ePBG Percentage(%)	2.00
Duration of ePBG required (Months).	38

(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:**

Sr.DMM/HWH

Eastern Railway, NA, N/A, Ministry of Railways  
(Tarun Kumar Ghosh)

**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 years as indicated 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 year. In case of bunch bids, the category of primary product having highest value should meet this criterion.

**Ultrasound Scanning Machine ( 1 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 & ISO 13485	*

	Conformity to Performance and safety standards specific to the device	IEC 60601-2-37 or equivalent BIS	*
Performance Parameters	Scope of supply	General-purpose ultrasonic scanning systems provide two-dimensional (2-D) B-mode images of soft tissues without subjecting patients to ionizing radiation. It intends to primarily for abdominal, obstetric/gynecologic (OB/GYN), small-parts, and vascular imaging	*
	UMDNS Code and names(Hint: This is for indicating the relevant universal medical devices nomenclature for the category of product )	"Scanning Systems, Ultrasonic, Abdominal [16-241] Scanning Systems, Ultrasonic, General-Purpose [15-976] Scanning Systems, Ultrasonic, Obstetric/Gynecologic [15-657] Scanning Systems, Ultrasonic, Small-Parts [18-052] Scanning Systems, Ultrasonic, Vascular [15-957]"	*
Types of Probes & Features	Applications- Abdomen, abdominal vascular, urology, OB/GYN, neonatal brain, small parts (breast, thyroid, scrotal, prostate, MSK)	Yes	*
	Flat linear array	5-10 MHz ( $\pm 2$ )	*
	Convex array	2.5-5 MHz ( $\pm 2$ )	*
	<b>Microconvex array</b>	Yes	Yes Or higher
	<b>Volume Convex Probe</b>	Yes	Yes Or higher
	<b>Volume Linear Probe</b>	No	Yes, No Or higher
	<b>Volume TV Probe</b>	No	Yes, No Or higher
	<b>E- Breast Elastography</b>	No	Yes, No Or higher
	<b>E- Thyroid Elastography</b>	No	Yes, No Or higher
	<b>Liver Elastography</b>	No	Yes, No Or higher
	<b>Intraoperative Probe</b>	No	Yes, No Or higher

Scan Modes	<b>Gel Warmer</b>	No	Yes, No Or higher
	<b>Dedicated 3-D/4-D</b>	Yes	Yes Or higher
	B-mode	Yes	*
	M-mode	Yes	*
	<b>Contrast harmonic imaging with angio mode</b>	No	Yes, No Or higher
	Tissue harmonic imaging mode	Yes	*
	Provision of Harmonic imaging in Linear Probes	Yes	*
	Color Doppler imaging (CDI)	Yes	*
	Color Doppler 3-D/4-D option	Yes	*
	Power Doppler imaging (PDI)	Yes	*
	Power Doppler 3-D/4-D option	Yes	*
	Continuous wave	Yes	*
	Pulsed wave	Yes	*
	Duplex mode	Yes	*
	Triplex mode	Yes	*
	Tissue Doppler imaging	Yes	*
	<b>Contrast-enhanced ultrasound (CEUS) option</b>	No	Yes, No Or higher
	<b>Tissue synchronization, tissue velocity</b>	No	Yes, No Or higher
	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	*
	<b>Provision for higher sensitivity for low frequency doppler in all probes</b>	No	Yes, No Or higher

<b>Number of Channels in color doppler system</b>	128 or more (if channels are being designated as physical channels)	128 or more (if channels are being designated as physical channels)
<b>Live 3 D imaging in color doppler system</b>	Yes	Yes Or higher
<b>Colour Doppler system with all application packages ,Quad loop for serial studies with high frame rate revies, harmonic imaging capability in all modes and integrated stress echo package digital storage and retrieval</b>	Yes	Yes Or higher
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 Optin	Yes	*
<b>Provision of Tissue Colorization (B-Colour) for improved contrast resolution</b>	Yes	Yes Or higher
All application packages should be inbuilt into the system	Yes	*
<b>Cine Loop Features</b>	Yes	Yes Or higher
Cine Loop Memory in MB	12394	*
<b>Frame grabber facility for post analysis</b>	Yes	Yes Or higher
Facility of Various maps for pre and post processing	Yes	*
User defined system and application presets	Yes	*

	for multi-user department		
	<b>Number of transducer/probe ports</b>	4	4
	<b>System should be capable of generating real time live 3- D images</b>	Yes	Yes
	<b>Contrast agent imaging</b>	No	Yes, No Or higher
	Color Doppler system with all applications package, quad loop for serial studies with high frame rate, harmonic imaging capability in all modes and digital storage and retrieval	Yes	*
IMAGE DISPLAY AND PROCESSING	<b>DICOM 3 COMPLIANT</b>	Yes	Yes Or higher
	Adjustable transmit focus	Yes	*
	<b>Automated B-mode (2-D) image</b>	Yes	Yes Or higher
	<b>Automated CDI image optimization</b>	Yes	Yes Or higher
	<b>Automated PW Doppler image optimization</b>	Yes	Yes Or higher
	Dynamic receive focus	Yes	*
	Grayscale levels	256	*
	Image magnification (zoom)	Yes	*
	Real-time image	Yes	*
	Frozen image	Yes	*
	<b>Touch Screen</b>	No	Yes, No Or higher
	Monitor shall have high-resolution	Yes	*
	"Provision of Tilt and Swivel monitor should be able to view in all angles and all light conditions"	Yes	*
	<b>Monitor display size, cm (in)</b>	39.6 (15.6) widescreen high-resolution monitor	39.6 (15.6) widescreen high-resolution monitor
	<b>Split screen</b>	Twin View and Live Quad Screen	Twin View and Live Quad Screen

<b>Single/dual monitors</b>	Single	Single
Depth, cm	≥30 (11.8)	*
Pre processing	Yes	*
Post processing	Yes	*
Selectable dynamic range	Yes	*
Spectrum analyzer	Yes	*
DIGITAL IMAGE STORAGE	Yes	*
Cine loop playback	Yes	*
Max number frames	12394	*
Digital storage hard drive, GB	500	*
Speckle-tracking strain and strain rate	Yes	*
Exam protocols	Yes	*
Automated	Yes	*
Digital calipers	Yes	*
Exam presets	Yes	*
Customizable presets	Yes	*
On-screen annotation	Yes	*
<b>DVD/CD Writer</b>	Yes	Yes Or higher
Flash Memory	Yes	*
USB connector	Yes	*
"Facility for high definition digital acquisition, review and editing of complete patient studies"	Yes	*
<b>Type of processor</b>	i7 or latest	i7 or latest
<b>RAM capacity of PC in GB (hint: In caase PC not provided put zero)</b>	≥ 4	≥ 4
<b>Processor speed in GHZ</b>	≥ 3	≥ 3
<b>Frame Grabber incorporated</b>	Yes	Yes Or higher
<b>Connectivity between USG and PC</b>	Yes	Yes Or higher
<b>PC with all software inclusive interfaced with USG machine</b>	Yes	Yes Or higher

	<b>laser Color printer provided with computer for reporting</b>	No	Yes, No Or higher
	<b>Inkjet printer provided with computer for reporting</b>	No	Yes, No Or higher
	<b>CD/DVD Produced should be playable on any system</b>	Yes	Yes Or higher
	<b>Glossy Colour Print Paper supplied</b>	NA	NA
	<b>Dicom Interfacability Dicom to PACS</b>	Yes	Yes Or higher
	<b>Interfacability Dicom to RIS</b>	No	Yes, No Or higher
	USG sytem supplied should be upgradable to next generation system on site	Yes	*
Power Requirements	Power input, VAC	220-240VAC, 50Hz fitted with Indian plug	*
	<b>Resettable over current breaker shall be fitted for protection</b>	Yes	Yes Or higher
	<b>Power backup</b>	Inbuilt battery	Inbuilt battery
	<b>Back up time in minutes</b>	60	60
	<b>Suitable Servo Controlled Stabilizer / CVT should be provided</b>	No	Yes, No Or higher
Miscellaneous Parameters	<b>Warranty in years</b>	3	3
	<b>Number of installations of the USG 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	More than 3
	User/Technical/Mainten ance 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	*
Certificate from the principal that spare parts will be available for next 10 years shall be provided at the time of supplies	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	Arunangshu Sarkar	711101,ORTHOPEDIC HOSPITAL,EASTERN RAILWAY,222 CHURCH ROAD,HOWRAH 711101	1	20

### Bid Specific Additional Terms and Conditions

1. 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.
2. **Nominated Inspection Agency:** On behalf of the Buyer organization, any one of the following Inspection Agency would be conducting inspection of stores before acceptance:  
Pre-dispatch Inspection at Seller Premises (applicable only if pre-dispatch inspection clause has been selected in ATC): RITES  
Post Receipt Inspection at consignee site before acceptance of stores: Consignee
3. Bidder Turn Over Criteria: The minimum average annual financial turnover of the bidder

during the last three years, ending on 31st March of the previous financial year, should be as indicated in the bid document. Documentary evidence in the form of certified Audited Balance Sheets of relevant periods or a certificate from the Chartered Accountant / Cost Accountant indicating the turnover details for the relevant period shall be uploaded with the bid. In case the date of constitution / incorporation of the bidder is less than 3 year old, the average turnover in respect of the completed financial years after the date of constitution shall be taken into account for this criteria.

4. Dedicated /toll Free Telephone No. for Service Support : BIDDER/OEM must have Dedicated/toll Free Telephone No. for Service Support.
5. Escalation Matrix For Service Support : Bidder/OEM must provide Escalation Matrix of Telephone Numbers for Service Support.
6. 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 1 year 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 year. In case of bunch bids, the primary product having highest value should meet this criterion.
7. Procurement under this bid is reserved for purchase from Micro and Small Enterprises from the State of Bid Inviting Authority whose credentials are validated online through Udyog Aadhaar for that product category. If the bidder wants to avail the reservation benefit, the bidder must be the manufacturer of the offered product in case of bid for supply of goods. Traders are excluded from the purview of Public Procurement Policy for Micro and Small Enterprises. In respect of bid for Services, the bidder must be the Service provider of the offered Service. Relevant documentary evidence in this regard shall be uploaded along with the bid in respect of the offered product or service.
8. Purchase preference to Micro and Small Enterprises (MSEs) from the State of Bid Inviting Authority : Purchase preference will be given to MSEs as Micro and Small Enterprises from the State of Bid inviting Authority whose credentials are validated online through Udyog Aadhaar for that product category. If the bidder wants to avail the Purchase preference, the bidder must be the manufacturer of the offered product in case of bid for supply of goods. Traders are excluded from the purview of Public Procurement Policy for Micro and Small Enterprises. In respect of bid for Services, the bidder must be the Service provider of the offered Service. Relevant documentary evidence in this regard shall be uploaded along with the bid in respect of the offered product or service. If L-1 is not an MSE and MSE Seller (s) has/have quoted price within L-1+ 15 % of margin of purchase preference /price band defined in relevant policy, such Seller shall be given opportunity to match L-1 price and contract will be awarded for percentage of 20% of total value as defined/ decided in relevant policy.
9. Purchase preference to Micro and Small Enterprises (MSEs): Purchase preference will be given to MSEs as defined in Public Procurement Policy for Micro and Small Enterprises (MSEs) Order, 2012 dated 23.03.2012 issued by Ministry of Micro, Small and Medium Enterprises and its subsequent Orders/Notifications issued by concerned Ministry. If the bidder wants to avail the Purchase preference, the bidder must be the manufacturer of the offered product in case of bid for supply of goods. Traders are excluded from the purview of Public Procurement Policy for Micro and Small Enterprises. In respect of bid for Services, the bidder must be the Service provider of the offered Service. Relevant documentary evidence in this regard shall be uploaded along with the bid in respect of the offered product or service. If L-1 is not an MSE and MSE Seller (s) has/have quoted price within L-1+ 15% of margin of purchase preference /price band defined in relevant policy, such Seller shall be given opportunity to match L-1 price and contract will be awarded for percentage of 20% of total value.
10. Pre-dispatch inspection at Seller premises (Fee/Charges to be borne by the BUYER): Before dispatch, the goods will be inspected by Buyer / Consignee or their Authorized Representative or by Nominated External Inspection Agency (independently or jointly with Buyer or Consignee as decided by the Buyer) at Seller premises (or at designated place for inspection as declared / communicated by the seller) for their compliance to the contract specifications. Fee/Charges taken by the External inspection Agency and any external

laboratories testing charges shall be borne by the Buyer. For in-house testing, the Sellers will provide necessary facilities free of cost. Seller shall notify the Buyer through e-mail about readiness of goods for pre-dispatch inspection and Buyer will notify the Seller about the Authorized Representative/ Nominated External Inspection Agency and the date for testing. The goods would be dispatched to consignee only after clearance in pre-dispatch inspection. Consignee's right of rejection as per GTC in respect of the goods finally received at his location shall in no way be limited or waived by reason of the goods having previously been inspected, tested and passed by Buyer/ Consignee or its Nominated External Inspection Agency prior to the goods' shipment. While bidding, the sellers should take into account 7 days for inspection from the date of email offering the goods for inspection. Any delay in inspection beyond 7 days shall be on the part of the buyer and shall be regularised without Liquidated Damages.

11. Scope of supply (Bid price to include all cost components) : Supply Installation Testing and Commissioning of Goods
12. Timely Servicing / rectification of defects during warranty period: After having been notified of the defects / service requirement during warranty period, Seller has to complete the required Service / Rectification within 3 days time limit. If the Seller fails to complete service / rectification with defined time limit, a penalty of 0.5% of Unit Price of the product shall be charged as penalty for each week of delay from the seller. Seller can deposit the penalty with the Buyer directly else the Buyer shall have a right to recover all such penalty amount from the Performance Security (PBG). Cumulative Penalty cannot exceed more than 10% of the total contract value after which the Buyer shall have the right to get the service / rectification done from alternate sources at the risk and cost of the Seller besides forfeiture of PBG. Seller shall be liable to re-imburse the cost of such service / rectification to the Buyer.

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

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