

Bid Document

Bid Details	
Bid End Date/Time	23-07-2020 14:00:00
Bid Opening Date/Time	23-07-2020 14:30:00
Bid Life Cycle (From Publish Date)	90 (Days)
Bid Offer Validity (From End Date)	75 (Days)
Ministry/State Name	Gujarat
Department Name	Health & Family Welfare Department Gujarat
Organisation Name	N/a
Office Name	District Panchayat Navsari(Health Branch)
Total Quantity	1
Item Category	Ultrasound Scanning Machine
MSE Exemption for Years of Experience and Turnover	No
Startup Exemption for Years of Experience and Turnover	No
Bid to RA enabled	No
Inspection Required	No

EMD Detail

Required	No
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ePBG Detail

Required	No
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Splitting

Bid splitting not applied.

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	-	*
	Conformity 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 (± 2)	*
	Convex array	2.5-5 MHz (± 2)	*
	Microconvex array	Yes	Yes Or higher
	Volume Convex Probe	Yes	Yes Or higher

	Volume Linear Probe	No	Yes, No Or higher
	Volume TV Probe	Yes	Yes Or higher
	E- Breast Elastography	No	Yes, No Or higher
	E- Thyroid Elastography	No	Yes, No Or higher
	Liver Elastography	No	Yes, No Or higher
	Intraoperative Probe	No	Yes, No Or higher
	Gel Warmer	Yes	Yes, No Or higher
	Dedicated 3-D/4-D	Yes	Yes, No Or higher
Scan Modes	B-mode	Yes	*
	M-mode	Yes	*
	Contrast harmonic imaging with angio mode	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	*
	Contrast-enhanced ultrasound (CEUS) option	No	Yes, No Or higher
	Tissue synchronization, tissue velocity	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	*
Provision for higher sensitivity for low frequency doppler in all probes	Yes	Yes Or higher
Number of Channels in color doppler system	50000 or more (If channels are being designated as digital channels)	50000 or more (If channels are being designated as digital channels)
Live 3 D imaging in color doppler system	Yes	Yes Or higher
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	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	*
Provision of Tissue Colorization (B-Colour) for improved contrast resolution	Yes	Yes Or higher
All application packages should be inbuilt into the system	Yes	*
Cine Loop Features	Yes	Yes Or higher

Cine Loop Memory in MB	100	*
Frame grabber facility for post analysis	Yes	Yes, No Or higher
Facility of Various maps for pre and post processing	Yes	*
User defined system and application presets for multi-user department	Yes	*
Number of transducer/probe ports	4	4
System should be capable of generating real time live 3- D images	Yes	Yes
Contrast agent imaging	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	*
DICOM 3 COMPLIANT	Yes	Yes Or higher
Adjustable transmit focus	Yes	*
Automated B-mode (2-D) image	Yes	Yes Or higher
Automated CDI image optimization	Yes	Yes Or higher
Automated PW Doppler image optimization	Yes	Yes Or higher
Dynamic receive focus	Yes	*
Grayscale levels	256	*
Image magnification (zoom)	Yes	*
Real-time image	Yes	*
Frozen image	Yes	*
Touch Screen	No	Yes, No Or higher
Monitor shall have high-	Yes	*

resolution		
"Provision of Tilt and Swivel monitor should be able to view in all angles and all light conditions"	Yes	*
Monitor display size, cm (in)	48.3 (19) LCD with handle	48.3 (19) LCD with handle
Split screen	Twin View	Twin View
Single/dual monitors	Single with optional second console	Single, Single with optional second console
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	1100	*
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	*
DVD/CD Writer	Yes	Yes Or higher
Flash Memory	Yes	*
USB connector	Yes	*
"Facility for high definition digital acquisition, review and editing of complete patient studies"	Yes	*
Type of processor	NA	i7 or latest, NA
RAM capacity of PC in GB (hint: In caase PC not provided put	NA	≥ 4, NA

	zero)		
	Processor speed in GHZ	NA	NA
	Frame Grabber incorporated	No	Yes, No Or higher
	Connectivity between USG and PC	Yes	Yes Or higher
	PC with all software inclusive interfaced with USG machine	Yes	Yes Or higher
	laser Color printer provided with computer for reporting	Yes	Yes, No Or higher
	Inkjet printer provided with computer for reporting	No	Yes, No Or higher
	CD/DVD Produced should be playable on any system	Yes	Yes Or higher
	Glossy Colour Print Paper supplied	NA	NA
	Dicom Interfacability Dicom to PACS	Yes	Yes Or higher
	Interfacability Dicom to RIS	Yes	Yes 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	*
	Resettable over current breaker shall be fitted for protection	Yes	Yes Or higher
	Power backup	UPS	UPS
	Back up time in minutes	30	30
	Suitable Servo Controlled Stabilizer / CVT should be provided	Yes	Yes Or higher
Miscellaneous Parameters	Warranty in years	3	3
	Number of installations of the USG machines in	More than 3	0, Less than 3, More than 3

	Central /State/PSU Govt Hospitals(Note: Seller should supply a performance 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	*
	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	Akhilesh Rajbali	396445,3rd Floor, District Panchayat Bhavan, Juna Thana, B/h Court Building	1	15

Bid Specific Additional Terms and Conditions

1. 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)

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

---Thank You---