



Running Contract Details	
Equipment Name	Point of Care Ultrasound with AI features
Running Contract Valid Till	31-12-2026
Tender Ref No	KMSCL/EP/T539/129C1/2024
Tendered Quantity	15
Supplier Name	M/s Wipro GE Healthcare Pvt Ltd
GST No	29AAACW1685J1ZW
Installation & Delivery Period	8 Week(s)
Up-time / PM vist	95% & 4 Visits per year
Warranty period	3 Years

Supplier`s Details		
Address	Contact Details	
Incuspaze Solutions 34/195 Oberon Mall NH Bypass Padivattom Edapally Kochi 24	Contact Person	Mr. John Tenny
	Phone	080-28452923
	Mobile No	9895895006
	Email	tenny.john@ge.com

Item-wise Price Details				
#	Item Details	Unit Rate (Incl.all taxes & charges)	Service Charges (Through KMSCL)	Grand Total
1	Point of Care Ultrasound with AI features <i>Model & Make : Venue Go /GE Healthcare</i>	1970099.99 Incl.GST :12%	145294.87	2115394.86
2	Broadband Phased array cardiology transducer , 1-4 MHZ	297000 Incl.GST :12%	21903.75	318903.75
3	Convex array transducer , 2-6 MHZ	331650 Incl.GST :12%	24459.19	356109.19
4	High Frequency Linear transducer , 5-12 Mhz	297000 Incl.GST :12%	21903.75	318903.75
5	Hockey Stick Linear transducer , 7-17 MHZ.	400000 Incl.GST :12%	29500	429500
6	Broadband Phased Array Multiplane Adult TEE Probe , 2-8 MHZ	3150000 Incl.GST :12%	232312.5	3382312.5

Item-wise Price Details							
7	Broadband Phased array cardiology transducer, 2-8 MHZ	450000 Incl.GST :12%	33187.5	483187.5			
		6895749.99	508561.56	7404311.55			
Annual / Comprehensive Maintenance Charges (Exl.Tax)							
Rate	4 th Year	5 th Year	6 th Year	7 th Year	8 th Year	9 th Year	10 th Year
Point of Care Ultrasound with AI features							
Labour	65,000.00	70,000.00	75,000.00	80,000.00	85,000.00	90,000.00	95,000.00
Comprehensive	1,85,000.00	1,94,250.00	2,03,962.50	2,14,160.63	2,24,868.66	2,36,112.09	2,47,917.69

Other terms & conditions

1. The supplier shall execute an agreement with the purchaser as per tender conditions (agreement format is given in the tender document).
2. The supplier shall submit performance security amounting to 5.00% of the value of the supply order.
3. The labour & comprehensive charges of equipment after the completion of warranty period is finalized by KMSCL as mentioned above.
4. Since discount rate is not applicable for equipment under Running Contract of KMSCL, purchase/supply order can be issued directly to supplier at the given rate with tax & other charges (exclusive of KMSCL service charges).
5. If purchase/supply order is issued directly to the supplier, KMSCL service charge need not be paid. But the copy of the said order may be forwarded to KMSCL for information.

Technical Specification

Equipment :Point of Care Ultrasound with AI features

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- I. A state of art fully digital, compact portable Colour Doppler Ultrasound machine (weight <6.5 kg) is required with following technical features:-
 1. Should be top of the line and State of the Art fully digital compact portable ultrasound machine weighing less than 6.5 kg with provision for Doppler examinations
 2. The unit should be compact, light weight, full touch user interface, with gesture recognition having multipurpose handle for probe, gel and adjustable rear support stand for use on flat surfaces.
 3. Provided with high quality, compact stand with lockable wheels and should be having integrated three probe connectors from the same company
 4. It should be suitable for abdominal, small, parts, cardiac and vascular applications in both adults and pediatric patient.
 5. Multiple preloaded as well as user configurable application presets should be available.
 6. The system should have advanced measurement, manual and automatic for all applications.
 7. System should offer Artificial intelligence based Tools that includes Real-time EF, Auto VTI, Auto B-linesAuto IVC, Nerve detection and lung Diagram Tool .AI Enabled Auto Tools should include as below:

- a. Real-Time EF is an AI-enabled tool that continuously calculates real-time ejection fraction during live scanning in apical 4CH view.
- b. Auto VTI: Calculates the velocity time integral (VTI), stroke volume, CO Flux and cardiac output in a single step. Like the other tools, it includes a quality indicator to assist with image acquisition.
- c. Auto B-Lines: Highlights and counts B-lines in real-time. Hit freeze and system should display the frame with the highest B-line count
- d. Auto-IVC: Measures IVC collapsibility IVC diameter changes (Collapsibility or distensibility index) are measured and displayed in real-time upon completion of each respiratory cycle.
- e. Lung Tool: See all ultrasound lung findings in one view keeps track of segmental lung assessment. This is helpful in showing trends in response to therapy
- f. C-Nerve Tool: AI based automatic Nerve detections tool mainly for Brachial plexus, Femoral and Sciatic.
- g. VTI Trending: to quickly visualize the trend and help and determine a next course of action in treatment.
- h. eFAST diagram: for scanning. one-tap allocation and quick review of images and findings belonging to different zones of the eFAST and FAST exam
- i. MSK Tool Kit: Simplifies shoulder exam documentation and follow-up by fast-tracking image labelling and image storage. Also facilitates patient therapy response by giving you the whole picture over treatment time. With reference image provides anatomy markups to assist novice users in scanning the correct anatomy.
- j. Catheter to Vessel ratio: supports in selecting appropriate size catheter based on vessel diameter.

1. Maximum scanning depth to be 30 cm or more
2. The system should have simple user interface and a full screen mode to get a full screen view of the scanned area
3. System should support transducer technologies like phased array, convex, linear, TEE etc.
4. All transducers should be lightweight digital, broadband and phased array in cardiac type transducers.
5. Provision for three transducer connectors having inter switch ability between the transducers on the system without the need of manual disconnection
6. The system should have an integrated high resolution TFT / ICD of 15 inches (flicker free images) or more touch interface to support thorough cleaning for effective infection control.
7. Should be supplied with three transducers (one each):

- a. Broadband Phased array cardiology transducer: 1-4 (+/-1) MHz for Adult cardiac imaging
- b. Convex array transducer: 2-6 (+/-1) MHz for abdominal imaging
- c. High Frequency Linear transducer with buttons: 5-12 (+/-1) MHz for vascular and small part imaging.

1. The system should have a frame rate of at least 600 frames per seconds (fps) in B mode and more than 300 fps in Color mode
2. System must be offered with Speckle Reduction Imaging: Image processing technique to remove speckles and clutter artifacts
3. The Systems should have cine loop review facility of not less than 60 sec/1000 frames
4. System should have 120 GB or higher capacity internal HDD
5. The system should have the facility of digital storage and retrieval of B/W and colour image data
6. Provision for USB port and LAN transfer of data should also be present.
7. The system shall support the all DICOM functionality, Storage, Print, and Work List, also ready to connect to PACS
8. Imaging modes of Real time 2D, Colour, Pulsed wave, Continuous Wave and Power (energy) Doppler Anatomical M-Mode should be available
9. Controls for 2D mode: Total gain, depth, TCG, dynamic range, acoustic power output.
10. Controls for Colour Doppler: PRF, colour gain, position and size of ROI, steering of ROI, colour maps and colour invert.
11. Controls for pushed Doppler: variable sample volume size from 1 to 5mm or more, steer, PRF, baseline, gain angle correction, spectral invert duplex on/off,
12. Measurements for 2D mode: Multiple distances, area and volume
13. Measurement for Doppler modes: Stenosis quantification in area percentage, Diameter, PSV, EDV, means PI, RI, acceleration time and index. Automatic and manual measurements and display of pulsed Doppler calculations should be possible
14. Unit should function with 200-240 V, 50 Hz AC, 5-amp power outlet power requirement to be specified
15. In built battery backup with battery run-time indicator, should minimum 2 hr scanning time or more.
16. System should have both Triplex and Duplex display and a wide range of probes, increases system versatility and adaptability to our clinical needs.
17. System should be having Enhanced Needle Tracking software
18. The unit should be both United States Food and Drug Administration (FDA) and Conformity Europeans (CE) approved
19. The maximum lead time for standby probe/ machine while on service should be 24 hours or less.
20. Optional Transducer:- Rate should be mentioned in the contract

- a. Hockey Stick Linear transducer: 7-17 (+/-1) MHz for vascular, small Nerve Block, MSK, Rheuma, ER (Pleural) part imaging for Pediatric and difficult cannulating patients

b. Broadband Phased Array Multiplane AdultTEE Probe: 2-8 (+/ 1) MHz for Adult TEE Imaging

c. Broadband Phased array cardiology transducer: 2-8 (+/-1) MHz for Pediatric cardiac imaging

1. Software upgradation for AI features should be done free of cost during warranty/ CAMC period

Note:

1. If CDSCO (Central Drugs Standard Control Organization) certification is required for the import and marketing of the equipment, then the same shall be submitted along with the technical bid

2. Warranty exclusions if any shall be discussed at the time of prebid meeting else the tender condition as per clause 6.31.20 shall prevail