



Running Contract Details	
Equipment Name	3D/4D Echocardiography Model B
Running Contract Valid Till	03-09-2020
Tender Ref No	KMSCL/EP/T261/304B/2017
Tendered Quantity	10
Supplier Name	M/s Philips India Limited
GST No	33AABCP9487A1ZG
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	
C/o Expeditors International India Pvt. Ltd. Survey No. 523/ 3E2 - 3F - 3G - 3M - 4A - 4B - 524/1B - 2BM - 3A2 Door No.116 Devaneri Village Road - Sholavaram Village Chennai - 600067	Contact Person	Mr. K Ramesh, Mr.Nagaraj Kamt
	Phone	
	Mobile No	9845100119(Ramesh), 9619663999(Nagaraj)
	Email	k.ramesh@philips.com

Item-wise Price Details				
#	Item Details	Unit Rate (Incl.all taxes & charges)	Service Charges (Through KMSCL)	Grand Total
1	3D/4D Echocardiography Model B <i>Model & Make : Philips EPIQ7C Echocardiography System / M/s. Philips Medical Systems Nederlands, B.V.</i>	3318248 Incl.GST :0%	274087.28	3592335.28
2	Single Crystal Active Matrix Phased Array Probe with Band with 1.5 â€“ 4 MHz with Field of View at least 90 Degree.	271729 Incl.GST :0%	22444.82	294173.82
3	Curved array probe band width 1.6 â€“ 5 MHz	407767 Incl.GST :0%	33681.55	441448.55
4	Active matrix 4D volume phased array probe band width 1.5 â€“ 4.0 MHz field view 90 degree and depth of field 30cm (Live 3D transthoracic adult transducer)	706217 Incl.GST :0%	58333.52	764550.52
5	Pediatriic transthoracic probe â€“ phased array band width 3 â€“ 8.0 MHz	261776 Incl.GST :0%	21622.7	283398.7

Item-wise Price Details				
6	Adult Trans esophageal active matrix phased array live 3D probe 3.0 ° 7.0 MHz field of view 90 degree depth of field 20cm	1136995 Incl.GST :0%	93915.79	1230910.79
7	Paediatric Trans esophageal active matrix phased array live 3D probe 3.0 ° 7.0 MHz field of view 90 degree depth of field 20cm	2364738 Incl.GST :0%	195327.36	2560065.36
8	External workstation	215385 Incl.GST :0%	17790.8	233175.8
9	Hockey stick vascular probe	560000 Incl.GST :12%	41300	601300
		9242855	758503.82	10001358.82

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
3D/4D Echocardiography Model B							
Labour	88,500.00	92,925.00	97,571.84	1,02,449.96	1,07,572.34	1,12,950.78	1,18,598.26
Comprehensive	9,15,680.00	9,15,680.00	9,61,464.00	10,09,537.20	10,60,014.06	11,13,014.94	11,68,664.92

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% 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 :3D/4D Echocardiography Model B

1. Should quote only latest and most technologically advanced system
2. Should be capable of single beat data acquisition with accelerated full volume architecture platform
3. Dedicated 4D platform software based
4. Should be supplied with software for pre & post analysis

5. Future upgradability through software during the warranty and CMC period
6. Should have post processing capabilities for gain, B mode, sweep speed etc
7. Should have multiple lines acquisition with rapid frame rates more than 1000 frames/second. These frame rates should be applicable for B Mode, color flow and color tissue Doppler.
8. Coded/pulse harmonic imaging should be possible
9. Digital beam former technology with high definition imaging
10. There should be a broad angle 90degrees or more
11. Should have ergonomic design with single touch control panel
12. At least 21 inch flat panel type monitor with tilt, swivel & float options
13. The system should be capable of the following imaging and operating modes
 - a) Real time anatomical M-Mode and curved M-Mode
 - b) Dual focal zones should be available
 - c) White zoom-on line & offline
 - d) Read zoom online and offline
 - e) Advanced stress echo package with automatic report generator with flexible protocols for physical and pharmacologic stress with 2 minute continuous capture
 - f) Live 3D imaging (4D) single beat full volume data acquisition with high frame rates with storage of volumetric data. Automatic tissue optimization should be possible.
 - g) Should be capable of Quantization of tissue Doppler
 - h) 2D Speckle tracking should be available
 - i) Strain and strain rate imaging should be available
 - j) Sector, linear and multiplane and live 3D (4D) transoesophageal and transthoracic imaging should be available
 - k) 2D M-Mode, color M-Mode
 - l) Color flow Doppler imaging
 - m) Fully steerable pulsed Doppler
 - n) Fully steerable continuous wave Doppler
 - o) Tissue Doppler with high frame rates and automated 2D strain imaging
 - p) Digital cine replay of all imaging and Doppler with measurement and calculations
 - q) Full measurement and analysis capability
 - r) Digital imaged storage and patient archive with true scanner frame rates
14. The system shall have contrast specific imaging capability with LV specification and myocardial perfusion echo. It shall support a contrast specific user interface with commonly used controls

15. The system should be able to

- i. Trace, calculate and display the perimeter of a displayed structure, with incremental erasing of perimeter trace
- ii. Trace, calculate, and display area of a displayed structure
- iii. 3D qualification and 3D viewing, cardiac 3D advanced quantification, cardiac 2D quantification, region of interest calculation, automated intima media thickness and strain quantification
- iv. Cardiac biplane volume measurement based on Simpsons biplane method in 2D and 3D fractional area change

16. Live 3D (4D)

1. Easy selection of volumetric data with automated cropping
2. Multi optional volume acquisition
3. Automated LV quantification
4. 4D stress/ equivalent technology to be available
5. Miniaturised beam former with small footprint
6. Simultaneous display of volume and multi planar views
7. The system should provide live 3D color flow rendering with ability to
crop, rotate, suppress color, suppress B & W image, suppress the baseline
and change gains.
8. The system should support full screen display of all 3D views including X, Y, & Z MPR views and simultaneous display of thumbnail views on the same system display monitor
9. Volume rotation in all planes must be supported
10. The 3D/4D imaging with preferably single probe capability probe should support all modes like 2D, M Mode
11. CW, PW, CFM, PW, CW and TVI
12. Triplane/ equivalent imaging should be possible (Online/Offline)
13. Multidimensional stress echo should be possible
14. Multi slice imaging should be possible

17. ESSENTIAL ACCESSORIES

1. Single Crystal Active Matrix Phased Array Probe with smallest foot print and Band with 1.5 – 4 MHz with Field of View at least 90 Degree or more.
2. Pediatric transthoracic probe – phased array band width 3 – 8.0 MHz
3. Curved array probe band width 1.6 – 5 MHz

4. Active matrix 4D volume phased array probe band width 1.5 – 4.0 MHz field view 90 degree and depth of field 30cm (Live 3D transthoracic adult transducer)
5. Adult Trans esophageal active matrix phased array live 3D and 2D probe 3.0 – 7.0 MHz field of view 90 degree depth of field 20cm.
6. Paediatric Trans esophageal active matrix phased array live 2D probe 3.0 – 7.0 MHz field of view 90 degree depth of field 20cm.
7. Should supply external original licensed workstation of specification Pentium i7, 3TB HDD, 23 inch monitor, 16GB RAM, Licensed operating system, NVIDIA graphics card supporting 3D imaging. The workstation should have licensed off-cart quantification tools like RV and LV volume assessment, MV assessment in detailed manner. The license of all software of the machine and workstation shall be valid till the life period of the total system. Should be provided with suitable UPS and Computer table and chair for work station.

18. IMAGE MANAGEMENT

1. System should be able to store patient images, loops in the hard disk drive of 1TB or more
2. System should have inbuilt CD/DVD writer and USB port
3. Should have supplied with A4 high resolution color laser printer.

19. TECHNICAL SUPPORT

1. Operating manual
2. Power supply 230+-15%, 50Hz.
3. Should provide suitable online pure sine branded UPS with one hour back up.