



Running Contract Details	
Equipment Name	Ultrasound Machine - Portable
Running Contract Valid Till	22-10-2021
Tender Ref No	KMSCL/EP/T333/129A/2019(R)
Tendered Quantity	50
Supplier Name	M/s BPL Medical Technologies Pvt Ltd
GST No	32AAF3158E1Z4
Installation & Delivery Period	6 Week(s)
Up-time / PM vist	95% & 4 Visits per year
Warranty period	3 Years

Supplier`s Details		
Address	Contact Details	
36/227A & 227A-1 MILMA-DAIRY METHANAM ROAD KOONAMTHAI EDAPPALLY COCHIN - 24	Contact Person	BIJU KANADEN
	Phone	0484 2558418
	Mobile No	9846294499
	Email	biju.kanaden@bpl.in

Item-wise Price Details				
#	Item Details	Unit Rate (Incl.all taxes & charges)	Service Charges (Through KMSCL)	Grand Total
1	Ultrasound Machine - Portable with Color Doppler <i>Model & Make : E-CUBE i7 / ALPINION MEDICAL SYSTEMS CO., LTD.</i>	570080 Incl.GST :12%	42043.4	612123.4
2	Convex probe 2-5 Mhz	100800 Incl.GST :12%	7434	108234
3	Linear Array probe of 6-12 Mhz	84000 Incl.GST :12%	6195	90195
4	Phased array transducer 2-4 Mhz	140000 Incl.GST :12%	10325	150325
		894880	65997.4	960877.4

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
Ultrasound Machine - Portable							

Annual / Comprehensive Maintenance Charges (Exl.Tax)							
Labour	30,000.00	35,000.00	37,000.00	40,000.00	42,000.00	45,000.00	47,000.00
Comprehensive	70,000.00	80,000.00	90,000.00	1,00,000.00	1,10,000.00	1,10,000.00	1,10,000.00

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 :Ultrasound Machine - Portable

1. State of the art and all digital beam former purpose portable hand carried ultrasound color Doppler echo cardiography system
2. System should weight not more than 7.6 kg with battery and one single regular probe.
3. System should be preferably spill proof and fluid resistant for easy to clean and disinfect
4. System cold start up time off to on not more than 90 second.
5. Architecture: all digital broadband
6. Should have dual imaging
7. Should have zoom capability
8. Should have dynamic range & gain
9. Should have S-Video (in/out)/ HDMI for record & playback.
10. Should have RGB or DVI output to external LCD display
11. Should have composite Video output (NTSC/PAL) or HDMI to Video printer or external LCD display.
12. Should have minimum of 2 USB ports for data transfer
13. Should have integrated speakers
14. System should work both in AC power and battery
15. System should have minimum battery backup of 1 hour on fully charged condition.
16. System should be compatible for TEE/TOE, and should support both in A/C Mains and in battery

17. AC: Universal power adaptor:110-240VAC, 50/60 Hz input

18. The system should have facility to store images in a hard disk of capacity more than 500 GB

II. The equipment must be capable of operating in B mode, M Mode, color Doppler, pulsed wave and continuous wave modes. It must support transducers with linear, phased array and curved array formats. Further, it must include a fully array of measurement and calculation packages. The specific requires for this equipment are the following;

1. Beam Former: universal digital broadband former accepting routine phased array sector, convex, and linear probes

2. Monitor: should have high-resolution medical grade monitor not less than 15" with adjustable display contrast

3. Digital processing channels: at least 1000 channels

4. Gray Scale: System should have a minimum of 256 gray levels with system dynamic range to be at least 100 Db

5. Display modes: with B, 2B, M, PW, HPRF/CW and color Doppler with power Doppler, Tissue Harmonic should be available on convex and phased array probes, steering on color / PW modes on linear probe should be available

6. Cine review: standard cine memory providing minimum 200 frames on 2D mode and up to 60 seconds Doppler cine

7. System should be capable of handling 2-15 MHZ multi frequency imaging with independent selection of 2D/ Color/ spectral Doppler frequency should be offered.

8. Image optimization on B and M modes: System should have the following:

a. Up/down & right/left image rotation

b. Multiple steps of edge enhancement settings

c. Up to 25cm depth.

d. Levels of persistence

9. Measurements and calculations

a. System should have at least 4 calipers with depth information and extensive, customizable measurement and report packages

b. Distance, area, % stenosis on B mode

c. Distance, Time, Heart Rate, slope on M mode

d. Velocity, acceleration time, slope, PI, RI, S/D Ratio with Auto Doppler on Doppler mode

10. Transducers:

a. Should have multi frequency, broad band, linear array 6-12 MHZ transducer for vascular, musculoskeletal, nerve and superficial imaging

(Taken for evaluation)

b. Should have multi frequency, broad band phased array transducer 2-4 MHZ for cardiac, abdominal and obstetrics imaging.

(Taken for evaluation).

III. Should have convex probe (2-5 MHZ) and the rate shall be taken for evaluation

IV. Should supply with a trolley and 2 port connector with electronic switches

V. Should have safety certificate from a competent authority CE issued by a notified body registered in European commission / FDA

(US) / STQC CB certificate / STQC S certificate or valid detailed electrical and functional safety test report from ERTL. Copy of the certificate / test report shall be produced along with the technical bid.