KERALA MEDICAL SERVICES CORPORATION LTD
(A Government of Kerala Undertaking)
Thycaud P.O, Thiruvananthapuram - 14, Kerala.
Tel: 0471 - 2945600, 2337353, Fax: 0471 - 2945647
Email :engg_ep@kmscl.kerala.gov.in
CIN: U24233KL200TSGC021616, PAN : AADCK4029M, GSTIN : 32AADCK4029M1ZK

Running Contract Details	
Equipment Name	Intra operative Ultrasound
Running Contract Valid Till	18-01-2022
Tender Ref No	KMSCL/EP/T338/975B/2019
Tendered Quantity	15
Supplier Name	M/s BPL Medical Technologies Pvt Ltd
GST No	32AAFCB3158E1Z4
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**	
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	**Intra operative Ultrasound** *Model & Make : E CUBE i7/ALPINION MEDICAL SYSTEMS CO., LTD.*	683200 Incl.GST :12%	50386	733586
2	**Convex Probe with biopsy attachment. : 2-5 MHz**	123200 Incl.GST :12%	9086	132286
3	**Transvaginal / Intracavitary Probe with Biopsy attachment. : 4-9 MHz**	100800 Incl.GST :12%	7434	108234
4	**Intra operative hockey stick Linear Probe with biopsy attachment. : Minimum 7 â€“ 12 MHz**	312480 Incl.GST :12%	23045.4	335525.4
		1219680	**89951.4**	**1309631.4**

Annual / Comprehensive Maintenance Charges (Exl.Tax)

Rate	4th Year	5th Year	6th Year	7th Year	8th Year	9th Year	10th Year
Intra operative Ultrasound							

Annual / Comprehensive Maintenance Charges (Exl.Tax)							
Labour	25,000.00	25,000.00	25,000.00	25,000.00	25,000.00	25,000.00	25,000.00
Comprehensive	30,000.00	30,000.00	30,000.00	30,000.00	30,000.00	30,000.00	30,000.00

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 :Intra operative Ultrasound

I. The equipment must be capable of operating in B, M, Doppler, Colour flow and Power Doppler modes.
II. It must support transducers with linear, sector and convex formats.
III. Further, it must include a full array of measurement and calculation packages.
IV. The specific minimum requirements for this equipment are as follow.
1. User Interface & Ergonomics
a. The system shall support backlight keys or provide an integrated light for ease of use in darkened work areas. The backlighting shall be tri-state to further simplify ease of use and indicate function selected
b. The system shall include at least a 15" LCD/ LED monitor to allow for both excellent images viewing as well as providing for workflow and productivity features.
c. The system shall have one active universal probe ports inbuilt and imported trolley for mobile use including at least two parking probe connector with easy moving caster with effective breaking system in trolley
2. Productivity
a. The system shall offer an extended field-of-view imaging that operates by sweeping a transducer over the anatomy of interest. This mode shall build the extended field-of-view in a real-time manner, showing the image as it builds.
b. System shall have image management features that store images by patient and include the ability to review images from different exam dates.
c. System shall support the ability of post image acquisition optimization to optimize imaging parameters such as B Gain,TGC, ColourGain,Dynamic Range, Doppler Gain, Doppler Base Line on image recalled from the image archive.
d. System shall allow for live image and archive images side-by-side or quad display on a single monitor. This display shall allow any type of image – B-Mode, Color, or power Doppler on either side.
e. The system shall display thumbnails on a clipboard while scanning to facilitate exams
3. Tissue Harmonic imaging with contrast should be available as standard feature.
4. Post-acquisition Data Processing
a. The system shall allow for post-storage image manipulation to provide maximum image flexibility, review and productivity. It shall include, at a minimum the ability to change the: Overall B-Mode gain, dynamic range and grey scale maps
b. The system shall provide a display zoom function on frozen images.
5. Scanning Parameters
a. The system shall provide the ability to scan in the compound imaging mode with multiple lines on all linear and convex probes.
b. The system shall provide scan depths from a minimum of 2 cm to a maximum of at least 30 cm

c. System should have minimum of 64,000 Digital Channels for better resolution
d. System should have Dynamic Range of at least 180 Db.
6. M-Mode Imaging
a. The system shall have a facility allowing the M-Mode cursor to be adjustable in any plane and allow for accurate measurements. The M-mode shall be available from live image.
7. Spectral Doppler (PW)
a. Doppler mode shall be available on all probes.
b. The Doppler cursor shall be user-steerable with linear transducers.
c. The system shall provide the user with control to either have Doppler with real time B-Mode, Doppler with periodic B-Mode update or Doppler with frozen B-Mode scanning.
d. The system shall provide stereo audio of the Doppler spectral signal
e. The system shall provide the user with control during timeline replay to review the spectrum only (i.e., frozen B-Mode) or with the spectrum and B-Mode together and synchronized
f. The system shall provide the user with the ability to add a spectral peak and spectral mean trace onto the spectrum in both real time or after freezing the image.
8. Measurements and Calculations
i. The system shall provide digital calipers for at least the following measurements:
a. Depth & Distance
b. Circumference
c. Area
d. Volume
e. Velocity
f. Resistive index (RI)
ii. All measurements should be possible on frozen images as well as on images recalled from the image archive.
iii. The system shall provide a comprehensive set of obstetrical and gynaecologic calculations and vascular calculations with summary reports.
9. System should be upgradable to 3D/ 4D images.
10. Overall Doppler gain, base line shift, sweep speed and inverted spectral waveform.
11. The M-mode shall be available from a CINE loop image.
12. Machine has inbulilt battery back up to 60 minutes for whole system
13. Image Archive and Networking
a. The device should store images in system, patient images record on external DVD-R Multi drive and a USB port for storage device
b. The system shall include at least 50 GB or more of dedicated hard drive for large local storage capacity, with 20000 image storage capacity or more
14. Transducers (freq tolerance: ± 1 MHz)
a. Convex Probe with biopsy attachment. : 2-5 MHz
b. Transvaginal / Intracavitary Probe with Biopsy attachment. : 4-9 MHz
c. Intra operative hockey stick Linear Probe with biopsy attachment. : minimum 7 – 12 MHz
15. DICOM connectivity should be as a standard features
16. Should have safety certificate from a competent authority CE issued by a four digit notified body registered in the European commission / FDA (US). Copy of the certificate/ test report shall be produced along with the technical bid.