KERALA MEDICAL SERVICES CORPORATION LTD
(A Government of Kerala Undertaking)
Thycaud P.O, Thiruvananthapuram - 14, Kerala.
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CIN: U24233KL200TSGC021616, PAN : AADCK4029M, GSTIN : 32AADCK4029M1ZK

Running Contract Details	
Equipment Name	TMT Machine model B
Running Contract Valid Till	16-07-2026
Tender Ref No	KMSCL/EP/T521/272C/2024
Tendered Quantity	6
Supplier Name	M/s Biomedical Engineering Company
GST No	32AAGFB1151K1ZV
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**	
39/878 A2 - YMJ West Lane Palarivattom Kochi 682025	Contact Person	Mr. Ajith George Mathew
	Phone	
	Mobile No	8921065594, 9447012546
	Email	mail@bechealthcare.com,accounts@bechealthcare.com,sales@bechealthcare.com

Item-wise Price Details				
#	Item Details	Unit Rate (Incl.all taxes & charges)	Service Charges (Through KMSCL)	Grand Total
1	**TMT Machine model B** *Model & Make : Cardiosoft with T 1000 ST Treadmill/ GE HEALTHCARE*	996388.96 Incl.GST :12%	73483.69	1069872.65
		996388.96	**73483.69**	**1069872.65**

Annual / Comprehensive Maintenance Charges (Exl.Tax)							
Rate	**4th Year**	**5th Year**	**6th Year**	**7th Year**	**8th Year**	**9th Year**	**10th Year**
TMT Machine model B							
Labour	20,250.00	21,263.00	22,326.00	23,442.00	24,614.00	25,845.00	27,137.00
Comprehensive	33,750.00	35,438.00	37,209.00	39,070.00	41,023.00	43,075.00	45,228.00

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 5.00% 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 :TMT Machine model B

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Equipment:TMT Machine Model B

1. The Treadmill stress test system should be complete with acquisition of resting and stress ECG, Treadmill unit with interface with all the protocols and provision of printing the resting as well as stress ECG and analyzing the same
2. The system must support 3-, 6-, 12 or 15-lead resting and stress ECG.
3. All leads configurations can be displayed on-screen and printed in final reports
4. The system must provide pop-up medians/raw ECG in post-test review to view individual QRS complexes time synchronized to leads viewed in the trend graphs.
5. The system must provide interpretative tools for resting ECG.
6. The system must provide interpretative tools for stress ECG.
7. The system must provide risk assessment tools like Duke Treadmill Score
8. The system must allow for ECG display speed and amplitude adjustment.
9. The system must provide ECG freeze frame during real-time display.
10. The system must provide ramped and staged pharmacological protocols
11. The system must allow for comparison to previous procedures data including ECGs with measurement ability (calipers) of all traces.
12. The system must provide BP measurements in mm/Hg.
13. The system must be able to re-analyze ECG procedure data, reset measurement points and recalculate ST segment values based on new points.
14. The system must provide full disclosure ECG and allow detailed review and measurement of full disclosure ECG.
15. The system must allow full disclosure strips to be appended to final report.
16. System must store at least 100,000 procedures as raw data available for review and re-analysis.
17. The system must be configurable for paperless documentation storage/archiving.
18. The system must support saving final reports in nonproprietary format.
19. The system must have the ability to simulate a stress test for quality assurance and training.
20. The system must have the ability to change protocol to any other programmed protocols or manually control the system during the procedure.
21. The system must have the ability to view 3-, 6-, 12- or 15-ECG leads on screen during exam.
22. The system must have the ability to edit final report while viewing ECG in recovery.
23. The system must have the ability to permit user to customize protocols
24. The system must have the ability to customize user setups.
25. The system must have the ability to modify ST slope and level measurement point
26. The system must operate on a Windows platform
27. The system must support laser printer in A4 paper sizes
28. The system should have minimum of 1 TB Storage capacity.
29. The system must use PC compatible monitors, printers and external storage devices, including CD-RW, SD CARD and USB

external hard drives

30. The system must provide a detachable/fixed patient ECG acquisition module with replaceable patient lead wires
31. The Acquisition module should be digital
32. The system must export a structured PDF/ XML data export
33. The system must have customizable final report.
34. The system must allow configurable color schemes to display real-time data.
35. The system must allow configurable color/black & white schemes for final report printing to color/ black & white printers.
36. Final reports must be exportable from the system in Word, PDF.
37. Optional export from the system in PDF/ XML, Excel.
38. The system must support DICOM formatted report export.
39. The ECG trace display speed must be adjustable in real-time.
40. The system must provide a database backup and recovery tool.
41. The system database must be sort able by procedure type, patient name, date of procedure, patient ID.
42. User must be able to open a previous procedure for the same patient to assess baseline, peak and maximum ST depression points.
43. During the procedure, the user must be able to review procedure and patient information from the active ECG screen.
44. The system must provide password protected security.
45. Treadmill should have 60-inch walking surface with Two Stopping Modes. The mill should have patient holding rail.
46. Treadmill should have emergency stop switch.
47. Treadmill should start from 0 mph. It should allow standard gradient change as per the protocols like bruce or modified bruce.
48. Speed range of the Treadmill should be minimum 0 to 12 mph with self calibration possible for speed.
49. Standard protocols like Bruce, modified Bruce protocols and dobutamine stress protocols should be available.
50. Maximum rated load should be more than 225 Kg.
51. Filters with facility to eliminate artifact due to respiration muscle/noise, AC interference, baseline wandering without compromising/distortion in ST segment changes.
52. The monitors should display auto comparison of resting versus current lead of maximum ST depression separately with color coded protocol, stage, clocks for elapsed time, total time, target HR, Treadmill speed & grade, PVC counts/minute, warning messages & prompts, lead check torso.
53. 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/ BIS certificate or valid detailed electrical and functional safety test report from ERTL
54. Should be supplied with Computer along with black and white Laser printer.

Computer configuration: Pentium I3 Processor with Windows 10 OS, 4GB RAM, 1 TB Hard disk, Key Board, Mouse , 600VA UPS