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	Electrophysiological Monitoring System
Running Contract Valid Till	24-03-2021
Tender Ref No	KMSCL/EP/T298/1256/2018(R)
Tendered Quantity	20
Supplier Name	M/s Bions Medical Systems Pvt Ltd
GST No	32AACCB4877B1Z1
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**	
28/3085 D â€œRohiniâ€• Tagore Nagar Ponneth Temple Road Kadavanthra Kochi-682020.	Contact Person	Jitto John
	Phone	
	Mobile No	9567860501
	Email	bions@vsnl.net

Item-wise Price Details				
#	Item Details	Unit Rate (Incl.all taxes & charges)	Service Charges (Through KMSCL)	Grand Total
1	**Electrophysiological Monitoring System** *Model & Make : Nim Neuro 3.0 / Medtronic Inc*	1600000.64 Incl.GST :12%	118000.05	1718000.69
		1600000.64	**118000.05**	**1718000.69**

Annual / Comprehensive Maintenance Charges (Exl.Tax)							
Rate	**4th Year**	**5th Year**	**6th Year**	**7th Year**	**8th Year**	**9th Year**	**10th Year**
Electrophysiological Monitoring System							
Labour	37,350.00	37,350.00	37,350.00	37,350.00	37,350.00	37,350.00	37,350.00
Comprehensive	44,820.00	44,820.00	44,820.00	44,820.00	44,820.00	44,820.00	44,820.00

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 :Electrophysiological Monitoring System

1. Should have minimum of Eight Channel Monitoring.

2. Should be capable of monitoring cranial motor nerve III, IV, V, VI, VII, IX, X, XI and XII.

3. EMG signal must have audio and video representation.

4. The equipment should be designed for ease of use with electrode placement screen displayed on the main unit for easy and faster electrode placement.

5. Should monitor simultaneously during bipolar cautery.

6. Monitor should have touch screen and color graphic user interface (GUI).

7. Monitor should have video output facility.

8. Monitor should have automatic electrode check facility along with option to enter patient name, date and time.

9. Monitor should have inbuilt surgeon / procedure setting menu and option to customized procedural settings.

10. Monitor should have artifact detection facility that distinguish artifact (false signal) from true nerve signals.

11. Monitor should have option to turn ON & OFF sound voice alarms (adjustable muting option) and monitor should show muting indication.

12. Monitor should have bipolar detection software to help surgeon to perform surgery faster.

13. Monitor should have variable current range.

14. Should have real-time continuous monitoring with automatic periodic situation electrode.

15. Stimulation range should be in the range of 0.01ma to 30mA.

16. Surgeon should be able to control the setting of the monitor from sterile area and thus to avoid the need of Neuro Technicians during the procedures.

17. Monitor should have EMG ET tube for easy and ready use as optional.

18. Should have high sensitivity with reduced interference.

19. Should have artifact detection feature to distinguish between artifact and EMG signals.

20. Should have provision to connect external keyboard.

21. Should have option of surgeon mini screen to display monitoring information on small screen with a provision to mount on an IV pole.

22. Should have high input sensitivity with reduced interference.

23. Should have input impedance.

24. Should have electrode- checking features.

25. Should have frequency response of 100-2000 Hz.

26. Preamplifier gain should be at least 107+/-4dB.

27. Should have improvised user-friendly interface.

28. Should have constant current type stimulator.

29. Should be able to adjust the stimulation range by the lowest stimulation current that can be delivered.

30. Should have incrementing probe to adjust stimulation level and print or save data directly by surgeon performing the surgery.

31. Should be able to save and load custom setting with quick setup.

32. Should be able to log EMG activity throughout a procedure for records.

33. Should be able to get printable case log for patient records.

34. Should have touch screen for ease of use with high contrast, digital graphic color, visible even in darkness.

35. Should have color coded channel labelling for easy identification & use.

36. Should have USB port for connection with mass storage device including compact flash drive.

37. Should give audio for use with headphone.

38. Should have muting option to reduce unwanted signals and artifacts specially cautery noise.

39. The monitor should continuously measure electrode impedance and warming should be displayed when out of range.

40. Preferable to have option of patient stimulator of training and education.

41. The system should include following accessories in addition to all accessories required for skill base surgeries

a) Disposable bipolar stimulating probes.

b) Disposable concentric bipolar stimulating probes.

c) Side by side bipolar stimulator probes.

d) Flush tip monopolar stimulator probes and tips.

e) Ball tips 1.00mm and monopolar probes.

f) EMG endotracheal tube of 9mm and 11.5mm OD.

g) Subdermal needle twisted pair electrode.

42. 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.