



Running Contract Details	
Equipment Name	Multiparameter Monitor with IBP and Central Monitoring System
Running Contract Valid Till	26-01-2023
Tender Ref No	KMSCL/EP/T361/1088/2020
Tendered Quantity	100
Supplier Name	M/s Arkon Medical Systems
GST No	32AAYFA0330M1ZF
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	
No 33/2255C - Sreekala Bylane Near Ernakulam Medical Centre Vennala P.O Cochin - 682 026	Contact Person	Pothen John
	Phone	
	Mobile No	8138021100
	Email	info@arkonmedicalsyste.ms.com, info@arkonmedicalsyste.ms.in

Item-wise Price Details				
#	Item Details	Unit Rate (Incl.all taxes & charges)	Service Charges (Through KMSCL)	Grand Total
1	<b>Multiparameter Monitor with IBP and Central Monitoring System</b> <i>Model &amp; Make : C90/Schenzhen Comen</i>	459200 Incl.GST :12%	33866	493066
2	<b>ETCO2 set</b>	67200 Incl.GST :12%	4956	72156
3	<b>Monitor Stand</b>	5600 Incl.GST :12%	413	6013
4	<b>Central Monitoring System with all hardwares except cabling charges</b>	168000 Incl.GST :12%	12390	180390
5	<b>Supply, laying and terminating 4 pair CAT6 UTP cable(data) in PVC trunking including numbering tags, Cable ties, Ferrules and all accessories required. (reputed brand) (quote rate for per meter)</b>	95.2 Incl.GST :12%	7.02	102.22

Item-wise Price Details				
6	RJ 45 Jack with Shutter in 3X3 surface mount box for information out let (IO) for data. (reputed brand)	560 Incl.GST :12%	41.3	601.3
7	Supply and fixing of CAT 6 two mtr patch cord for IO to system {BRANDED}	224 Incl.GST :12%	16.52	240.52
8	25/20mm PVC Casing and Capping/conduits/flexible etc (ISI Mark) (quote rate for per meter)	112 Incl.GST :12%	8.26	120.26
		<b>700991.2</b>	<b>51698.1</b>	<b>752689.3</b>

Annual / Comprehensive Maintenance Charges (Exl.Tax)							
Rate	4 <sup>th</sup> Year	5 <sup>th</sup> Year	6 <sup>th</sup> Year	7 <sup>th</sup> Year	8 <sup>th</sup> Year	9 <sup>th</sup> Year	10 <sup>th</sup> Year
<b>Multiparameter Monitor with IBP and Central Monitoring System</b>							
Labour	12,000.00	12,600.00	13,230.00	13,891.00	14,586.00	15,315.00	16,081.00
Comprehensive	45,600.00	47,880.00	50,274.00	52,787.00	55,427.00	58,198.00	61,108.00

### 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 :Multiparameter Monitor with IBP and Central Monitoring System

1. Advanced high end patient monitor having integrated non-invasive, invasive measurements & features suitable for Neonate, Pediatrics & Adult patients.
2. Monitor must have bright, highly visible minimum 15'' or more Color TFT display with full touch screen facility.
3. Monitor must have the facility to display 8 or more waveform along with related numerical parameters on single screen.
4. Monitors should have facility to monitor ECG, SpO2 (low perfusion compensation and motion tolerance technology), NIBP, Respiration, dual temp, 2 IBP (facility for PPV) simultaneously and ETCO2 (Main Stream/ Side stream/ Micro stream).
5. Transport Module Monitor must have 4''or more Display
6. Transport module should display 2 or more wave forms.
7. Transport Module should have at least 2hr Li ion battery backup

8. Should have Arrhythmia detection including all life threatening arrhythmias (20 nos minimum)
9. Should have event recall minimum up to 24 hours trend, graphical and tabular trends, including short trends drug dose calculations, alarm logs, Hemodynamics calculations
10. The monitor should have facility for enlarge numeric display for distance viewing with multiple layout of screen.
11. Monitors should have ST segment calculations with all latest arrhythmia detection & review facility.
12. Supports ST and QT/ QTc interval monitoring.
13. 12 lead ECG simultaneous display using 10/ 12 lead ECG cable.
14. Monitor should have facility to eliminate false arrhythmia alarms.
15. Should have full disclosure facility as standard. Monitor must have the time linked review function. Monitor must show the waveforms for the time when the arrhythmia occurred in case of arrhythmia recall.
16. Monitor should have detachable unit which can transfer the patient monitoring parameters, information like Patient information, Alarm Setting, Trend Graph, full disclosure for while in transfer from one monitor to other without losing acquired data.
17. Should have internal rechargeable battery capability for at least two hour or more operation along with battery charge indicator.
18. Monitor should have event review facility including NIBP.
19. Monitor should have audio/ visible alarms in different colours & should be visible from distance.
20. All monitors must be ready for Central monitoring station connection & inter bed facility as standard feature.
21. Must be ready to connect CO/ CCO with different methods.
22. Slave display connection at any point of time.
23. Should have safety certificate from a competent authority CE issued by a notified body registered in the European commission / FDA (US). The certificate attached shall be verifiable.
24. Monitors should be supplied with following free of cost;
  - a. 5/ 6 Leads ECG cable - 1 no & 10/ 12 Leads ECG cable - 1 no
  - b. Adult Spo2 probe - 2 nos
  - c. NIBP cuff for Adult, Paediatrics & adult obese - 2 nos each
  - d. Temp Probe - 2 nos
  - e. IBP connection cable – 2 nos
25. Monitor stand as per the following specification should be available and the rate should be quoted separately (Taken for evaluation).
  - a. Monitor stand - extruded Aluminum, powder coated.
  - b. Load bearing capacity 20 kgs approximately.
  - c. Should supply, install with necessary anchor fastners at the site
26. ETCO2 set with airway adaptor for both intubated and non-intubated patient should be available and the rate should be quoted separately (Taken for evaluation)

## **II. Central Monitoring System**

1. Central monitor should display waveform and numeric data of up to 16 bedside patient monitors.
2. All bedside monitor should be connected to central monitor through LAN- Wired connection. It should have option for Wireless or mixed (Wired and Wireless) network system.
3. Should have 21'' LCD display.
4. Should be able to connect 16 monitors or more
5. Setting of alarms should be more efficient & should be able to set all parameter limits in one window.
6. Should be able to assign frequently used operations to function keys for easy operation
7. Should have time linked 72 hours review of numeric and graphical trend data, along with 72 hours review of arrhythmia recalls, alarm history.
8. Should have 72 hours full disclosure of upto six selectable waveforms.
9. Safe shutdown of the system, preserving data in case of sudden power loss should be possible.
10. Bidirectional communication including NIBP monitor
11. Facility to retain the data in case of a change of a Monitor at the Bedside.
12. Alarm Events should be in graphical form
13. Should be upgradeable to HL7, HIS.
14. Includes PC, installation, cabling and networking
15. The rate offered should include all hardware required for connecting monitors except cabling which includes necessary network switches, Patch panel, 4U wall rack, etc.
16. The cost of cabling to be quoted separately in the BOQ

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