



Running Contract Details	
Equipment Name	CRRT Machine
Running Contract Valid Till	02-12-2023
Tender Ref No	KMSCL/EP/T413/1122/2021
Tendered Quantity	10
Supplier Name	M/s Fresenius Medical Care India Pvt Ltd
GST No	33AAACF9636N1Z9
Installation & Delivery Period	
Up-time / PM vist	95% & 4 Visits per year
Warranty period	3 Years

Supplier's Details		
Address	Contact Details	
2nd Floor (VTB Centre) Old No -4 New No-7 South Boag Road T.Nagar Chennai - 600017	Contact Person	A.Santhana Krishnan
	Phone	+91 44 43960900
	Mobile No	+91 8086026266
	Email	santhanan.krishnan@fmc-asia.com

Item-wise Price Details				
#	Item Details	Unit Rate (Incl.all taxes & charges)	Service Charges (Through KMSCL)	Grand Total
1	CRRT Machine <i>Model & Make : multifiltrate</i>	1371534.08 Incl.GST :12%	101150.64	1472684.72
2	Blood line set	2537 Incl.GST :18%	177.59	2714.59
3	Haemo filter	2408 Incl.GST :12%	177.59	2585.59
4	Plasma Filter	6720 Incl.GST :12%	495.6	7215.6
5	Ultrafilterate bag	1811.3 Incl.GST :18%	126.79	1938.09
6	CRRT FLUID (5L BAG)	1770 Incl.GST :18%	123.9	1893.9
		1386780.38	102252.11	1489032.49

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
CRRT Machine							
Labour	20,000.00	20,000.00	20,000.00	20,000.00	20,000.00	20,000.00	20,000.00
Comprehensive	40,000.00	40,000.00	40,000.00	40,000.00	40,000.00	40,000.00	40,000.00

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 3.00% 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 :CRRT Machine

1. Description of Function

1. CRRT is indicated in any patient who meets the criteria for hemodialysis therapy but cannot tolerate intermittent dialysis due to hemodynamic instability. CRRT is better tolerated by hemodynamically unstable patients because fluid volume, electrolytes, and pH are adjusted slowly and steadily over a 24 hour period rather than a 3 – 4 hour period.

2. Operational Requirements

- 2.1. Easy to handle and maintain.
- 2.2. Microprocessor/microcontroller controlled user interactive menu with operating and malfunction removal instructions on the display screen
- 2.3. Should be lightweight and portable
- 2.4. The system should be compatible with Hemodialysis/Haemofiltration

3. Technical Specification

- 3.1. Four pumps, one each for Blood, Dialysate, Replacement fluid and
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- 3.2. Able to perform SCUF, CVVH, CVVHD, CVVHDF & PLASMAEXCHANGE.

- 3.3. Clear touch screen TFT/LCD Monitor.
- 3.4. Blood pump speed of 10-450 ml/min.
- 3.5. Close blood circuit to prevent air to blood interface.
- 3.6. Short preparation and priming program and ready to start treatment within 10-20 minutes.
- 3.7. Arterial pressure range: (-) 250 mmHg +/- 50mmHg.
- 3.8. Venous pressure range: (-) 50 mmHg to 350mmHg.
- 3.9. Pre Fitter Pressure: (-) 50mmHg to +450mmHg.
- 3.10 Effluent Pressure: 350mmHg +/- 50mmHg.
- 3.11. Programmable Substitution solution flow rate: 0-5000 mL/Hr
- 3.12. Dialysate flow rate:0-2500 mL/Hr
- 3.13. Programmable Effluent Flow Rate: 60-10000 mL/Hr
- 3.14. Integrated heparin pump with a flow rate of 0. 0.5 ml-5 ml/Hr. Bolus facility range 0.5mL. Bolus frequency immediate 1-24 hrs.
- 3.15. Capable of changing therapies.
- 3.16. Four weighing scales to control system with gravimetric fluid mechanism and weighing capacity of at least 0-11kg, 7g deviation for a solution bag of 5200g (equivalent to 0.14%).
- 3.17. Fluid/Blood warmer for blood/dialysate warming temp range app 33-40 degC(+/- 3 deg C)
- 3.18. Ultrasonic air bubble detector.
- 3.19. Alarm I case of blood leak, the air in line pressure limit violation, empty dialysate / Replacement bag, full effluent bag, and advisory alarms in case of excessiveTMP and filter clotting.
- 3.20. Output for Printer, PC connectivity, and Data acquisition should be there.

4. System Configuration Accessories, spares, and consumables

- 4.1. System as specified
- 4.2. List of essential accessories such as bloodline set, hemofilter, plasma filter, etc should be mentioned along with prices.
- 4.3. All media and consumables for setting up and standardization should be provided free of cost.
- 4.4. Should be supplied with 2 Nos of essential accessories such as bloodline set, hemofilter, and ultrafiltrate bags at no extra cost.
- 4.5. Cost of one 5 liters bag CRRT fluid rate should be quoted separately,
- 4.6. Should supply 10 liters of CRRT fluid with the machine,

5. Environmental factors

5.1. The unit shall be capable of being stored continuously in the ambient temperature of 0-50 deg C and relative humidity of 15-90%

5.2. The unit shall be capable of operating continuously in ambient temperature of 16-38 deg C and relative humidity limit to be 15-65% . or more

6. Power Supply

6.1. Power input to be 220-240VAC, 50Hz fitted with Indian plug

6.2. UPS of suitable rating with voltage regulation and spike protection for 60 minutes back up.

7. Standards, safety, and Training

7.1. Should be FDA, CE, UL or BIS approved product

7.2. Manufacturer/Supplier should have ISO certification for quality standards.

7.3. Shall comply with IEC 60601-2-16 SAFETY requirement of medical electrical
equipment part 2- particular requirements for the safety of Haemodialysis
equipment

7.4. Comprehensive training for lab staff and support services till familiarity with the system.

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8.1. User/ Technical/Maintenance manuals to be supplied in English.

8.2. Certificate of calibration and inspection.

9. The rate for bloodline set, Haemo filter, Ultrafiltrate bag, plasma filter is required to be quoted separately in the BOQ. If all these consumables are provided as a kit then the rate for the kit shall be quoted in any one of the line items and the rest of the line item shall be inserted as zero. If the kit doesn't have all the items then the bid will not be considered for evaluation