



Running Contract Details	
Equipment Name	CRRT Machine
Running Contract Valid Till	31-05-2020
Tender Ref No	KMSCL/EP/T256/1122/2017
Tendered Quantity	12
Supplier Name	M/s Fresenius Medical Care India Pvt Ltd
GST No	
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	
Office No.6&7 3rd Floor Kasi Arcade No.116 Thygaraya Road T.Nagar Chennai-600 017	Contact Person	
	Phone	
	Mobile No	
	Email	

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 / Fresenius Medical Care AG & Co.</i>	1013600 Incl.GST :12%	74753	1088353
2	Blood line set	2161.6 Incl.GST :12%	159.42	2321.02
3	Haemo filter	2128 Incl.GST :12%	156.94	2284.94
4	Plasma Filter	5420.8 Incl.GST :12%	399.78	5820.58
5	Ultrafilterate bag	492.8 Incl.GST :12%	36.34	529.14
		1023803.2	75505.49	1099308.69

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

Annual / Comprehensive Maintenance Charges (Exl.Tax)							
CRRT Machine							
Labour	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Comprehensive	0.00	0.00	0.00	0.00	0.00	0.00	0.00

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 :CRRT Machine

Equipment Name: CONTINUOUS RENAL REPLACEMENT THERAPY MACHINE (CRRT)

1. Description of Function

1.1. CRRT is indicated in any patient who meets 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 display screen

2.3. Should be light weight 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

Effluent/filtrate

3.2. Able to perform SCUF, CVVH, CVVHD, CVVHDF & PLASMA EXCHANGE.

- 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 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 deg C (+/- 3 deg C)
- 3.18. Ultrasonic air bubble detector.
- 3.19. Alarm I case of blood leak, air in line pressure limit violation, empty dialysate / Replacement bag, full effluent bag and advisory alarms in case of excessive TMP 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 blood line 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 blood line set, haemofilters and ultra filtrate bags at no extra cost.
5. Environmental factors
 - 5.1. The unit shall be capable of being stored continuously in 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 of 15-85%

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.

8. Documentation

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

8.2. Certificate of calibration and inspection.

9. The rate for Blood line 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 item and the rest of the line item shall be inserted as zero. If the kit does not have all the items then the bid will not be considered for evaluation.