



Notice Inviting e-Tender

West Bengal Medical Services Corporation Limited
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Kolkata-700091

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Supply and Commissioning of 10 (Ten) Nos. of Dialysis machines at Dialysis unit under the Department of General Medicine at the Midnapore Medical College & Hospital

(Submission of Bid through *online*)

(2nd call of Bid Reference No.: WBMSCL/NIT-076/2025, Dated-24.01.2025)

Bid Reference No.: WBMSCL/NIT-333/2025

Dated-24.04.2025

AMENDMENT-I

Revised Technical Specifications **Dialysis Machine**

Specifications for Haemo- Dialysis Machine

1. Machine should have Facility for Bicarbonate Dialysis
2. Should have facility to perform both. High Flux & Low Flux and Expanded Haemo Dialysis
3. Machine should have dialysate filter for endotoxin or bacteria free dialysate.
4. Machine should have high resolution colour touch screen/LCD display.
5. Blood pump speed: "0 and 40ml to 600ml/min pressure controlled.
6. Facility for different dialysate flow range 300-600 ml/min or more.
7. Facility for UF Profiling, Sodium profiling.
8. Dialysate Temperature 35°C to 39°C with increments of 0.1°C-.05°C
9. Ultra Filtration rate 0.1-4 Litre/hr or more with accuracy $\pm 1\%$
10. Parameter Display - Ultra Filtration Goal, UF time, UF rate and UF Volume.
11. Volumetric Ultra Filtration
12. Facility for Dialysis fluid conductivity range 13 to 15.4 or more mS/cm.
13. Na+: 128 to 150 mmol/L, RC03: 20 to 40 mmol/L,
14. Machine should have mandatory Self -Test and Ultrasonic Air Bubble detector facility.

15. Facility for arterial venous transmembrane pressure monitoring. (Preferably)
16. Should have facility for Reverse Ultra Filtration Alarm.
17. Arterial pressure monitoring range between -200 to +270 or more mmHg, Accuracy \pm 5mmHg. (Preferably)
18. Should have heparin Pump delivery range 0.1-10m/hr with syringe size 20 and 30 ml.
19. Should have facility for air and blood leak detector.
20. Blood leak detector sensitivity >0.35 mL/min blood with haematocrit at 32%
21. Machine should have the facility to provide Day-Night, weekly scheduling of Disinfection Program and should have the facility to store disinfection history.
22. Facility for Rinse, Hot rinse, Hot Chemical Disinfection $\geq 80^{\circ}\text{C}$ and Short disinfection facility (Less than 30m, cold rinse with 5% sodium hypochlorite
23. Machine must be disinfected by Citric acid or any alike composition as chemical, thermal and a combination of both with Short and long disinfection without any binding for disinfectant.
24. Machine should have venous access monitoring system.
25. All consumables not related to patients but required to maintain the machine should be quoted.
26. Machine should have heat exchanger facility
27. Machine should have reinfusion and drain facility after therapy
28. Should have standby function to save dialysate and water
29. Facility to store alarms, dialyzate treatment data, disinfection history in the machine so that they could be reviewed later.
30. Should have Onscreen help function facility.
31. Facility for timer function
32. Machine should have NIBP Facility.
33. Should have minimum 20 mins battery backup for safety monitors and blood pump.
34. Should have Haemo Dialysis standard (IEC 601, 1IEC 601 2 1IEC 601 1 2) approval
35. Machine should have isolated ultra filtration facility.
36. Machine should have volumetric ultra filtration range 0.1-4 litre/h or more
37. The bidder should submit valid CDSCO Certificate/Registration/License for both the manufacturer(s) and importer(s) as applicable.