



Notice Inviting e-Tender

West Bengal Medical Services Corporation Limited

Swasthya Sathi

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Kolkata-700091

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Supply and Commissioning of Water Treatment Plant (RO) in Dialysis Unit at
RG Kar MC&H, Kolkata

(Submission of Bid through *online*)

Bid Reference No.: WBMSCL/NIT-425/2024

Dated-19.07.2024

AMENDMENT-I

REVISED TECHNICAL SPECIFICATION

Water Treatment Plant (500ltr/hour)

- 1) It should have capacity to produce 500 Liter/Hour post RO water.
- 2) Should be of Microprocessor based double pass RO system
- 3) It should have Raw water tank (10000 liters capacity), Multi grade Filter, Iron removal, charcoal (twin) Filter, softener, Reverse Osmosis (automated backwash and descaling system in a double pass design), Ultra Violet Steriliser, RO water storage tank of 1500 liters (stainless steel **SS316 Medical Grade**) with conical bottom, twin delivery pump (should be of stainless steel) etc. And should have online heating system for water disinfection, should have internal plumbing for post RO water supply to each machine by stainless steel/high grade PVC/**PEX** pipeline with character to sustain heat upto **not below 85 degree** centigrade for heat disinfection. (The pre-treatment and RO system should be fully automatic)
- 4) Should have pre RO micron filter for Bacterial protection.
- 5) It should have Rinse and Flush facility for the membranes in R.O. Unit.
- 6) It should have Conductivity meter, Pressure Gauge, Flow indicator.
- 7) There should have be adjustments for output for water saving depending on the number of machines in use.

- 8) Should have BIS standard/ for assembled component the quality standard should be as per approval of Appropriate standard authority related to use component.
- 9) It should have (option) Stainless-Steel (SS316 Medical Grade) Connectors for water Outlet at Dialysis machine connecting points.
- 10) The chemical, contaminants, endotoxin, and microbial test of post R.O water should pass AAMI standards.
- 11) The pipeline for RO water supply along with the connectors and the drainage pipe materials will be supplied by the RO vendor to the person responsible for the Turnkey project of the Dialysis unit. The maintenance of the pipeline will be done by RO supplier.
- 12) Should have display for supply and temperature of Permeate & for Raw Water.
- 13) It should have fully automatic disinfection system.
- 14) The bidder should submit valid CDSCO Certificate/Registration/License for both the manufacturer(s) and importer(s) as applicable.