



INODAYA Hospitals - Kakinada

Documentation code:

INH/FMS.Doc.No:08

Maintenance plan for water management

Prepared date:11/11/2025

Reference: FMS.04. c. NABH Standards – 6th Edition

Issue Date:11/11/2025

Issue no: 01

Review No: 0

Review date: 11/11/2026

PURPOSE:

The goal of the Hospital Standard is to ensure patient safety by continuous monitoring and improvement of safety aspects to deliver safe, effective and efficient care. **Policy on Maintenance plan for water management**

SCOPE:

The Hospital is committed to provide a safe Hospital environment for its External and Internal Customers.

RESPONSIBILITY:

Maintenance Dept.

PROCEDURE:

WATER TREATMENT:

Procedure for cleaning and disinfection of water storage tank:

- The tanks are emptied leaving small quantity of water.
- Calcium hypochlorite, sodium hypochlorite and potassium permanganate solution is added to the water.
- In the next step tanks are then thoroughly cleaned by rubbing with nylon brushes and then by High Pressure jet machine.
- Fresh water is filled to certain extent and chlorine solution is added and Again the inside walls are cleaned and disinfected.
- Finally, the water is flushed out of tanks by pump and dried up.
- Fresh water is filled in the tank.
- At the end Ultraviolet Lamps are used to combat residual bacteria if any.

 Prepared by:	Verified by: 	Approved by: 
Ms. Chandrakala	Mrs. G..Lakshmi Lavanya	Dr. G. Rammohan
Maintenance Incharge	Chief Executive Officer	Managing Director



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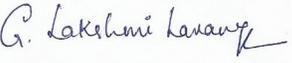
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CLEANING OF DIALYSIS RO WATER TANK AND PIPE LINES

- 300 liters R O water mixed with 1.25 liter formaldehyde solutions should kept in each tank.
- Then drain out the solutions from the general and positive washing pipe lines with the speed of 200ml/mint.
- When this solutions will come to the washing areas tap then close all the lines for 10 hours.
- After 10 Hrs drain out the solutions and again fill each tank with 500 liter R O water and again drain out the R O water.
- Then 400gm bleaching powder mixed with some water and filtrate it and then mixed with 300 liters R o water and this solution should kept in each tank for 20 minutes.
- After 20mins drain out the solutions the same way. At last fill the both tank with 1000 liters Dialysis RO water and again drain out.
- Tank cleaning along with cleaning of pipelines is done monthly. Cleaning is done at midnight. Hospital water supply will be closed for 1 hour during tank cleaning. Each ward in charge and floor managers are to be informed on the day.
- Checking of pH, TDS, hardness is done daily morn

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Continuous chlorination

Tank to be empty first



Empty tank is scrubbed by brass with Bleaching Powder.



Tank filled with water and scrubbed again by brass



Tank gets cleaned after revising the process of refilling the tank.



Finally, to empty the tank and fresh water is filled up.



Open washbasin water and allow the chlorinated water to drain through the taps slowly for 45 mins-1 hours or till the smell of chlorine persists.



Remove the chlorine bag after 1 hour.



Fill the tank full.

Total procedural time: 2hr - 3 hrs

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