

Operation



Water wastage
<0.5%
For Backwash

Backwash Frequency
1
In Two weeks

Backwash duration
10-15 mins
Per Vessel

Contaminant in backwash
Only Iron sludge
No Leaching of Heavy metal

1. FILTRATION

Removes suspended solids, sediments, Turbidity, Odour, Iron and harmful contaminants such as Arsenic, Fluoride and Uranium

2. IRP VESSEL BACKWASH

Cleans the Iron Removal Plant (IRP) by reversing water flow to remove accumulated iron sludge.

3. IRP VESSEL RINSE

Flushes the system with clean water to clear out any residual impurities and prepare for normal operation.

4. HEAVY METAL VESSEL BACKWASH

Fluidizes the bed and Removes trapped particles. No adsorbed contaminant leaching in backwash water.

5. HEAVY METAL VESSEL RINSE

Rinses out any remaining impurities, ensuring purified water output.

6. POLISHER VESSEL BACKWASH

Cleans the polishing filter to eliminate fine particles. It is backwashed to achieve the bed fluidization

7. POLISHER VESSEL RINSE

Rinses out any remaining impurities, ensuring purified water output. After this step, the whole system is put back in Filtration stage



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**O&M of Water
Treatment Plant
For Water Supply Schemes**