

**Making the invisible
water quality visible!**

Saafwater

Be uncontaminated...

   saafwater

www.saafwater.com



Ever wondered how safe is your water?

Polluted water killed 7 every day in 2018

- Times of India

2 Lakh people Every Year are Adversely and in a Large Number of cases Fatally Affected due to Contaminated Water

- NITI Aayog

9 members of a Family in Bihar lost their lives over a period of 20 years because of cancer caused by the consumption of Arsenic contaminated groundwater.

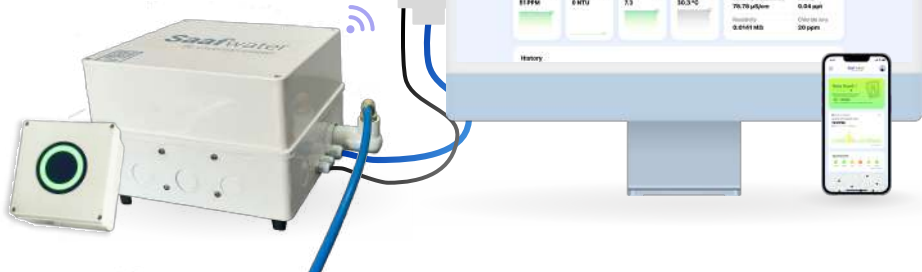
- The Gaurdian

Can this be averted? Yes! Get **Saafwater**

Saafwater

Be uncontaminated...

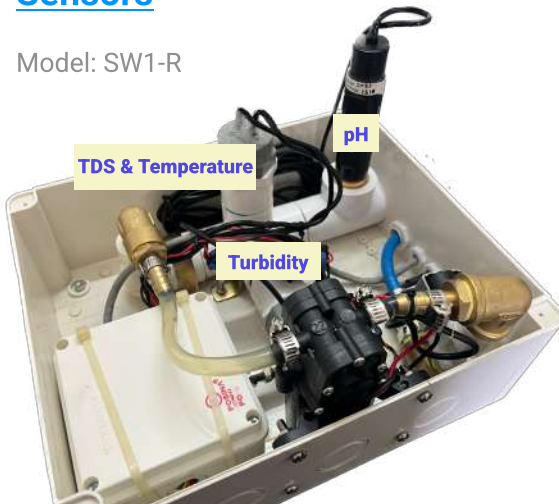
Saafwater is an **AI-IoT platform** that monitors water quality in **realtime to forewarn anomalies**, along with **purification recommendations** to improve it. The platform can also **forecast water quality** so that you can take proactive measures to stay safe.



Features

Sensors

Model: SW1-R



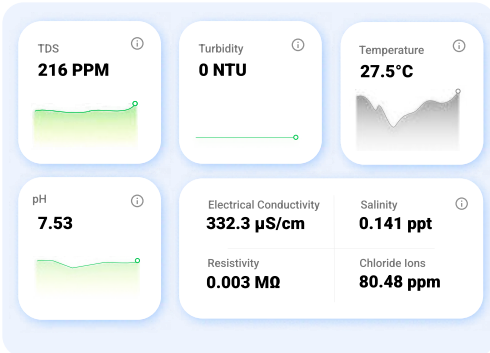
Model: SW1-CL



Note: Additional sensors can be included based on client requirements and availability
- Additionally charged

Water Quality Parameters

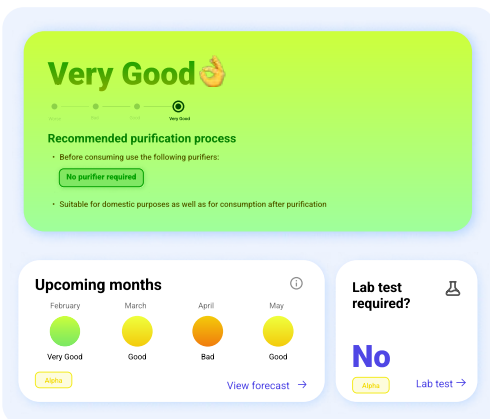
Quantitative Parameters



1. Total Dissolved Solids (TDS) - PPM
 - a. Electrical Conductivity (EC) - µS/cm
 - b. Relative Salinity - PPT
 - c. Relative Resistivity - MΩ
2. Turbidity - NTU
3. pH - 0-14
4. Temperature - °C
5. Free Residual Chlorine - mg/L *

*Available in SW1-CL and SW1-RCL (SW1-R + SW1-CL) only

Indicative/Analysis Based Parameters [PATENT PENDING TECHNOLOGY]



1. Water quality summary and purification recommendation
2. Physical, chemical, and biological contamination - [Total Coliform]*
3. Lab test requirement
4. Water quality summary prediction*

*Need initial data from the site

SW1-CL Dashboard



1. Residual chlorine values in real-time or in intervals as per site requirements
2. Alerts based on abnormal levels of Residual chlorine. Can be set as per site requirements
3. Historical data, interactive mapping & visualizations for single and multiple sites.
4. End to end data management, as per industry standards

Communication



User friendly dashboard



Onsite visual indicator - **Green**: Very Good, **Yellow**: Good, **Orange**: Bad, and **Red**: Worse



SMS based alerts - **Subscription**

Purification Recommendations

1. Boiling
2. Sediment purification
3. Ultraviolet (UV) purification
4. Ultra Filtration (UF) purification
5. Reverse Osmosis (RO) purification
6. Acid neutraliser
7. Alkaline neutraliser

Note: Multiple purifier may be recommended based on water quality

Site Prerequisites

1. 5 Amps electrical outlet
2. Cellular network coverage*

*If no cellular network coverage, WiFi mode available and must be notified before purchase

Customisation

(Additionally charged | Must be informed prior to installation)

1. RF @ 2.4Ghz or LoRa
2. Electronics unit mounting
3. LCD Display
4. Onsite visual indicator customisation
5. Sensors as per client's requirements - **Interface: MODBUS RTU, Analog, Digital etc.**
6. Dashboard
7. Plumbing - **if necessary**
8. Analysis
9. Data pipeline, System integration, Application integration, Automation

Applications

Agriculture

- Tailored purification recommendations
- Prevents soil contamination
- Ensures produce is uncontaminated

Domestic

- Warning of any present contamination in water
- Actionable insights to put water to use
- Curated purification methods
- Prediction of seasonal anomalies

Government

- Water quality mapping
- Centralised dashboard with information and analytics
- 24/7 water monitoring for better public health and economy

STP

- Monitor water sewage water input and discharge in real-time
- Get insights on efficiency and effectiveness of sewage treatment plant
- Reduce dependency on regular time consuming lab tests

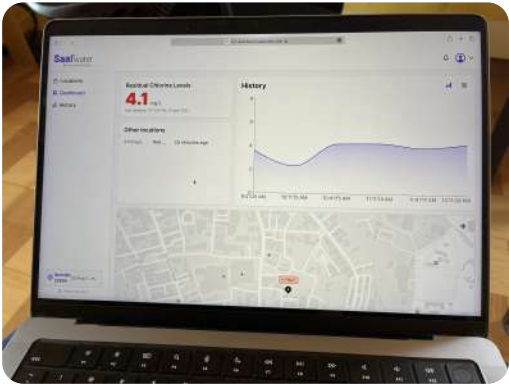
Mining

- Get insights on real-time water quality against already set regulatory standards
- Identify areas of pollution spillage to make disposal or extraction processes effective and efficient
- Gauge the need of specific treatment schemes required for mine sumps or pit lakes

Get in touch →

**Custom
Application?**

Gallery



Saafwater

Be uncontaminated...

A product by



Contact us

✉ sales@saafwater.com

☎ +91 98221 67296

📍 304/G1/D, Martin Enclave,
Caranzalem, Goa, India,
403001



info.saafwater.com