

Clean Water

e - Jal Mini : Water quality testing device

APPLICATION

e-Jal mini (PE-145) tests color, total hardness, free residual chlorine, turbidity, TSS, Ammonia, Nitrate, Chromium and Phosphate. The device is portable and hence can be used in remote locations for water testing

COMPANY NAME

Elico Ltd

TECHNOLOGY READINESS LEVEL (TRL)

TRL: 8 (Early Revenue Generation Phase; GEM Onboarded)

INTELLECTUAL PROPERTY

Trademark
5358974™ , 5358976™
5358975(Pending)

FOUNDERS' NAME

KVSN Raju

Design Registration No:
359319-001

PROBLEM ADDRESSED

In many parts of the world, water is not safe enough to drink. There are basic qualitative observations that quickly determine if water is not safe to consume. However, there are also many “invisible” substances that must be tested for professionally to identify the contaminants and to figure out how the specific polluted water can be purified. Depending on the manufacturer and funding, portable tool kits can be very pricey for local organizations or NGO’s. However, Elico Ltd. Has developed this affordable and portable water testing device that can be carried to fields or used in a laboratory setting.

ABOUT THE TECHNOLOGY

This unique innovation uses 4 different measurement techniques that are Potentiometric, Electrical Conductivity, Colorimetric & Nephelometric. Their devices are IoT & Cloud enabled systems that “Bringing Lab to Field” instead “Sample going to Lab”. The mobile application connected to the devices make the testing easier and provides instant reports to the users.

FUNDS RAISED/ACHIEVEMENTS

- INR 20 lakhs grant-in-aid from National Jal Jeevan Mission challenge.

PRODUCT IMAGE



USP

- Pre-calibrated for water parameters..
- Supports ready to use liquid, powder and tablet reagents.
- Online data transfer and cloud storage.
- Step by step guidance to user provided in mobile app.
- Mobile app supports local languages.

END USERS/CUSTOMERS

- Government agencies to monitor water quality (state level & panchayat level requirements).
- Water purifiers company
- Domestic Households
- CSR Activities