NEELA TARAL: Portable Water Quality Tester

APPLICATION

NEELA TARAL is a portable water quality tester that tests the levels of 6 different contaminants/factors that make water unfit for drinking. It is a hand held battery operated model that can read the Total Dissolved Solids, pH, Turbidity, Color, Electrical Conductivity and Total Hardness of water. The user can access the report/results of these tests via the mobile phone application linked to this device.

COMPANY NAME	TECHNOLOGY READINESS LEVEL (TRL)	INTELLECTUAL PROPERTY
Biomimicry Technologies Pvt Ltd	**TRL: 5 (Stability of the product and repeatability of the testing to obtain consistent results)**	**Trademark:** 5323729 ™

FOUNDER'S NAME

Bhim Pandey

PROBLEM ADDRESSED

Water Quality is a concern in Indian villages, semi urban and urban areas because of depleting ground water and over use of surface water and draining drinkable water to sea in the sewer system. There are no portable devices which could check more than 3 different water quality parameter. Quality of water is under increased threat of contamination. While water contains natural contaminants, it is becoming more and more polluted by human activities.

ABOUT THE TECHNOLOGY

All the sensors (PH, TDS, TURBIDITY, etc.) sensors are connected to their respective electronics to boost the signal level. The Boosted Signal level is fed to a Microcontroller which compares and analyses the values. The analyzed values are properly Displayed on LCD (Liquid Crystal Display) in human understandable language
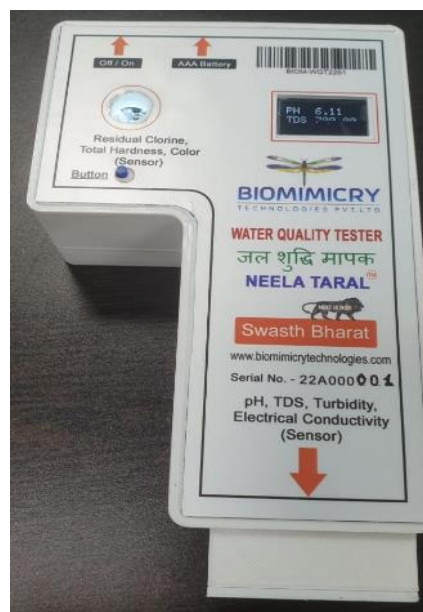
FUNDS RAISED/ACHIEVEMENTS

Raised INR 19.05 lakhs grant-in-aid from National Jal Jeevan Mission under the program "Innovation Challenge".

END USERS/CUSTOMERS

Small and marginal water testing labs, Block & Panchayat level organizations

PRODUCT IMAGE

USP

- One single device tests up to 7 parameters
- Bluetooth enabled device
- Results displayed on the device as well as on mobile application
- Actual Value now and Permissible Range value will be displayed
- AI Algorithm powered