

Water

- **Capabilities of D.T.H. for Analysis of Water**

Surface/ground water as per IS:10500(Essential and complete tests)

Natural Mineral water as per IS: 13428

Packaged drinking water as per IS: 14543

Water for irrigation purpose as per IS: 11624

Water for food processing purpose as per IS: 4251

Water for feed water/boiler water purpose as per IS: 10496

Water for reagent purpose as per IS: 107

- **Irrigation and Recreation Purpose**

Water for Swimming pool purpose as per IS: 3328

Water for Irrigation purpose as per IARI specification

- **Water for Industrial Application**

Food Processing Industry

Textile Industry

Paper Mill

Suitability for construction purpose as per IS: 456

Studies of ETPs and STPs as per Central Public Work Standards (CPWD)

- **Waste Water**

Analysis of waste water for discharging into inland surface water, sewers, on land for irrigation etc.

As per BIS specifications

As per Central Pollution Control Board (CPCB)

- **Water including effluents**

Bacteriological condition of potable waters, Bacteriological condition of industrial waters, Bacteriological condition of sewage waters

Bacteriological condition of trade, potable, swimming pools and spa environmental waters

Biochemical oxygen demand of industrial, sewage, trades waters

- **Biological test on water**

Coliforms (total and Faecal), Total plate count

Streptococci(Faecal), Enterococci Escherichia coli, Legionella, Pseudomonas aeruginosa, Pseudomonas

- **Test involved in water analysis**

Odour, Taste, Turbidity, Total Dissolved Solids, pH value, Copper (as Cu), Manganese (as Mn), Nitrate (as NO₃), Fluoride (as F), Zinc (as Zn), Aluminum (as Al), Chloride (as Cl), Sulphate (as SO₃, SO₄), Alkalinity (as HCO₃), Calcium (as Ca), Magnesium (as Mg), Residual Free Chlorine (as Cl₂), Phenolic Compound (as C₆H₅)₆, Mineral Oil, Anionic Surface Active Agents, (as MBAS), Mercury (as Hg), Phosphate, Silica, Cadmium (as Cd), Cyanide (as CN), Lead (As Pb), Chromium (as Cr), Nickel (as Ni), PCB (Polychlorinated Biphenyle), Boron (as B), Sulphite, Antimony (as Sb), Total Hardness (as CaCO₃), Chromium / Hexavalent Chromium, Acidity / Alkalinity (Carbonates & Biocarbonates), Selenium (as Se), Iron (as Fe), Chromium (as Cr), Polynuclear Aromatic Hydrocarbons (PAH), Nitrite (as NO₂), Silver (as Ag), Conductivity, Pesticides residue, Borade (as B), Oil & Grease, Sulphide (as H₂S), Chromium (as Cr+6).