

WATER TESTING

Testing Application	Parameters Analysed	Sample Required	Sample Volume (Litres)
Reverse Osmosis/ Comprehensive Drinking / Physiochemical Water test	pH, TDS, TSS, Colour, Salinity, Electrical Conductivity(EC), Turbidity, Iron, Manganese, Copper, Fluoride, Phosphate, Ammonia, Aluminium, Nitrate, Nitrite, Nitrate -N, Nitrite-N, Ammonical Nitrogen, Ammonium, Ammonia, Phosphate, Silicon, Silica, Calcium hardness, Calcium Ions, Magnesium hardness, Magnesium Ions, Total hardness, Chloride, Sulphate, Phenolphthalein Alkalinity, Total Alkalinity, Bicarbonates, Carbonate, Barium, Sodium & Potassium (39 parameters).	1 No. Raw Water	1.5
Reverse Osmosis Performance Test	pH, TDS, TSS, Colour, Salinity, Electrical Conductivity(EC), Iron, Manganese, Sodium, Calcium ions, Magnesium ions, Calcium hardness, Magnesium hardness, Total hardness, Chloride, Total Alkalinity, Bicarbonate and Carbonate (17 parameters).	2 No. Before and After the RO plant	1.5
Water Filtration / Pre-Treatment Performance Test	pH, TDS, TSS, Salinity, Electrical Conductivity(EC), Turbidity, Color, Iron and Manganese.	2 No. Before and After the filtration units.	1.5
Water Softener Performance Test	pH, TDS, TSS, Salinity, Electrical Conductivity(EC), Turbidity, Color, Calcium ions, Magnesium ions, Calcium hardness, Magnesium hardness, Total hardness, Chlorides, Sodium, Iron & Manganese.	2 No. Before and After the softener.	1.5
Boiler Water Test	pH, TDS, Turbidity, P-Alkalinity, M-Alkalinity, Iron, Phosphate, Silica, Calcium hardness, Chlorides, Sulphite / CFA.	3 No. Feed water, Boiler water and Condensate. *Onsite analysis is an option*.	1.5
Closed Cooling Water System Test	pH, TDS, Turbidity, Iron, Copper, & Nitrite / CFA.	2 No. Make-up water and Recirculating cooling water *Onsite analysis is an option*.	1.5
Open Cooling Water Sysattem Test	pH, TDS, M-Alkalinity, Iron, Silica, Calcium hardness, Phosphate / Zinc	2 No. Make-up water and Recirculating cooling water *Onsite analysis is an option*.	1.5
Jar Test	pH, TDS, TSS, Turbidity, Color, Iron, Optimum Coagulant/ flocculants and Chlorine dosages.	Varies	20
Legionella Test	Legionella Bacteria	1 No. Raw Water	1.5
Microbiological Water Test	Total Coliforms, E. Coli and Total Viable Count at 37°C	1 No. Raw Water	1.5
Itemized Water Test	Test of Individual Parameters	1 No. Raw Water	1
Comprehensive Wastewater Test	pH, Electrical Conductivity, TDS, TSS, Turbidity, Colour, Oil & Grease, B.O.D, C.O.D, Ammonium, Nitrate N, Nitrite N, Total N, Phosphorus, Chloride, Fluoride, Boron, Copper, Sulphur, Zinc, Arsenic, Cadmium, Chromium, Lead, Nickel, Mercury, Selenium, Aluminium, Faecal E.Coli, Faecal Coliforms	1 No. Raw Water	2
Basic Wastewater Test	pH, Electrical Conductivity, TDS, TSS, Oil & Grease, Colour, B.O.D, C.O.D, Ammonium, Nitrate N, Nitrite N, Total N, Chloride, Fluoride, Faecal E. Coli, Faecal Colif	1 No. Raw Water	2
Vendors Physiochemical & Bacteriological	pH, Electrical Conductivity, TDS, Colour, TSS, Colour, Ammonia, Turbidity Calcium, Magnesium, Total Hardness, Potassium, Sodium, Nitrate N, Nitrate, Nitrite, Aluminium, Phosphorus, Sulphur, Sulphate, Iron, Manganese, Zinc, Copper, Boron, Chloride, Bicarbonate, Fluoride, Total Coliforms, E.Coli, TBC 37degrees	1 No. Raw Water	1.5
Drillers	pH, Electrical Conductivity, TDS, TSS, Turbidity Ammonium, Calcium, Magnesium, Total Hardness, Potassium, Sodium, Nitrite, Nitrate, Ammonia, Phosphorus, Sulphate, Sulphate, Iron, Manganese, Zinc, Chloride, Bicarbonate, Fluoride, Total Alkalinity	1 No. Raw Water	1.5
WT Equipment Design (MM5/WAVE)	pH, Electrical Conductivity, TDS, Ammonium, Calcium, Magnesium, Potassium, Barium, Silica, Phosphate, Aluminium, Sulphate, Sodium, Nitrate, Sulphate, Iron, Manganese,, Zinc, Chloride, Bicarbonate, Carbonate Fluoride,	1 No. Raw Water	1.5