

- The Hydrological Instrumentation Laboratory of the Hydrological Investigations Division is equipped with state-of-the-art instruments with conventional and modern equipment for various hydrologic measurements. Staffed by a team of skilled scientists and technical experts, the laboratory plays a critical role in research and development within the field of hydro-geological investigations for water resources assessment, planning and management.

- Important instruments available in the laboratory include:

- Earth Resistivity Tomography (ERT) Survey Meter
- Echo-sounder with DGPS for Bathymetric survey
- Differential Global Positioning System (DGPS)
- Time Domain Reflectometry (TDR) for soil moisture measurement
- Under Water Temperature Profiler
- Optical Temperature Profiler
- Total Station
- Portable TLC Meter
- Portable Surface Velocity Radar
- Portable Flow Probe
- Guelph Permeameter
- Suspended Solid Analyzer
- Sediment Corer
- Water level and Water Flow Meter for Well
- Digital Evaporation Recorder
- Automatic Weather Station
- Multi- parameter Water Quality Kit, Mini-Disc
- Infiltrometer
- Ground Water Level Indicators
- Digital Surface and Ground Water Level Recorders
- Digital Wind Speed & Direction Recorder
- Automatic Rain Gauges (Tipping Bucket type)
- Current Meters
- Depth Soil Water Samplers
- Self- Recording Rain Gauges (Siphon type)
- Automatic Infiltrometer



HYDROLOGICAL INSTRUMENTATION LABORATORY

(HYDROLOGICAL INVESTIGATIONS DIVISION)

NATIONAL INSTITUTE OF HYDROLOGY

(AN ISO-9001:2015 CERTIFIED ORGANISATION)

ROORKEE - 247667 (UTTARAKHAND), INDIA

THE LABORATORY PROVIDES INSTRUMENTS AND ASSISTANCE FOR VARIOUS RESEARCH STUDIES OF THE INSTITUTE.

MAJOR INSTRUMENTS AVAILABLE



EARTH RESISTIVITY TOMOGRAPHY SURVEY METER



PORTABLE SURFACE VELOCITY RADAR & PORTABLE FLOW PROBE



GROUND WATER LEVEL INDICATOR



GUELPH PERMEAMETER



DGPS



DEPTH WATER SAMPLER



MULTI-PARAMETER WATER QUALITY KIT (SONDE)



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