

Functional Area :- METEOROLOGY OBSERVATIONS

Name of Institute	No. of experts and no. of support staff available, if any	Facilities available at the Institute with name of available instruments	Capacity building required for strengthening		Remarks
			Man-power training	Equipment (name of equipment, its cost estimates and use)	
Indian Institute of Technology Roorkee, Roorkee (Deptt. Of Hydrology)	Available	Fully equipped	NIL	NIL	NIL
NIH, Roorkee	Available	Fully equipped	NIL	NIL	NIL
Irrigation Research Institute, Roorkee	18	a) Max. & Min. Temperature Rainfall Wind velocity Relative humidity Vapour pressure Evaporation loss Silt concentration in canal Temperature, Relative humidity Atmospheric pressure, wind direction, rainfall, solar radiation b) Estimation of seepage pressures, uplift pressures and exit gradient by 3-D EHDA/Digital technique. Using signal tracer, audio oscillator, amplifier and computer c) Seepage/Flow rate measurement using isotopes d) Effect of canal project and pumpage on ground water potential by digital modeling	NIL	Digital instrument is required for EHDA modeling (cost app. Rs. 30,000/-) LSS-34 (cost of Rs. 30 lacs) Measurement of tritium concentration	NIL
National Research Centre on Coldwater Fisheries, Bhimtal	NIL	NIL	NIL	NIL	NIL
Pollution Control Research Institute(PCRI), BHEL, Ranipur -Haridwar	1	Weather station	Trained manpower available	NIL	NIL
Hydro Group, Reliance Energy Ltd., H-146/147, Sector-63, Noida	Expert – 01	NIL	NIL	Micro - Met. Tower	NIL
People's Science Institute (PSI), 252 Vasant Vihar-1, Dehradun	Expert – 01, Sup. Staff – 02	Recording and non-recording rain gauges, barometer, max. & min. thermometer & GPS	NIL	Digital weather station (Hygrometer, Anemometer, Sunshine & solar radiation recorder,	NIL

				Wind direction sensor, data logger) for weather data – Rs. 2,50,000, Evaporimeter for evapotranspiration (Rs. 10,000)	
GB Pant Institute of Himalayan Environment & Development, Kosi-Katarmal Almora	02	State of art laboratory	NIL	Not Applicable	NIL
Deptt. Of Environmental Sciences, HNB Garhwal Uni., Srinagar	Experts – 02, Sup. Staff – 01	Basic equipments available	NIL	Automatic weather station	NIL
Govt. Polytechnic, Nainital	NIL	NIL	NIL	NIL	NIL
College of Agribusiness Management, GBPUAT, Pantnagar	NIL	NIL	NIL	NIL	NIL
Amrapali Institute, Haldwani	NIL	NIL	NIL	NIL	NIL
Govt. Girls Polytechnic, Almora	NIL	NIL	Not Applicable	Not Applicable	NIL
Defence R&D Organisation, Instruments R&D Establishment, Ministry of Defence, Dehradun	NIL	NIL	NIL	NIL	NIL
S. Bhagwan Singh Post Graduate Institute of Biomedical Sciences & Research, Balawala, Dehradun	NIL	NIL	NIL	NIL	NIL
Vivekanand Parvatiya Krishi Anusandhan Sansthan, Almora	NIL	NIL	NIL	NIL	NIL
University of Petroleum and Engineering Studies, Dehradun	NIL	NIL	NIL	NIL	NIL
Central Building Research Institute, Roorkee	NIL	NIL	NIL	NIL	NIL