

Functional Area :- HYDROLOGY AND IMPACT ASSESSMENT

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 Civil Engg., Deptt. Of Earth Sciences, Deptt. Of Hydrology, Deptt Of Water Resources Development & Management)	Available	Fully equipped	NIL	NIL	NIL
NIH, Roorkee	Available	Fully equipped	NIL	NIL	NIL
Irrigation Research Institute, Roorkee	NIL	a) Evaluation of statistical parameters of hydrological data for Mean, Standard deviation and Screwness b) Flood frequency analysis for estimation of design flood by various methods such as Gumble’s Distribution, Power transformation method, Log normal distribution-2&3 Parameters Pearson type-III log Pearson type-III distribution, Powel’s method, stochastic modelling method etc. c) Regional flood frequency analysis for estimation design flood by various methods such as USGS method, power transformation method and mathematical modeling approach. d) Chemical analysis for evaluating the ratios of the constituents used in making mortar and concrete.	NIL	NIL	NIL
National Research Centre on Coldwater Fisheries, Bhimtal	NIL	NIL	NIL	NIL	NIL
Pollution Control Research Institute(PCRI), BHEL, Ranipur -Haridwar	1	NIL	Capability building required	NIL	NIL
Hydro Group, Reliance Energy Ltd., H-146/147, Sector-63, Noida	Experts – 02, Sup. Staffs – 02	Impact Assessment	NIL	NIL	NIL

People's Science Institute (PSI), 252 Vasant Vihar-1, Dehradun	Expert – 02, Sup. Staff – 02	NIL	Training on hydrological modeling	Hydrological modeling s/w (Rs. 5 lacs), Current meter & Dig. Counter for flow velocity (Rs. 20,000), Silt sampler for silt load determination (Rs. 10,000)	NIL
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	Expert – 01, Sup. Staff – 01	Basic equipments available	NIL	NIL	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