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Annual Report 2007-08



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Irrigation Research Institute
Roorkee- 247 667 (Uttarakhand)

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सिंचाई बढ़ायें खुशहाली लायें

SAVE WATER TO SAVE EARTH

Consultancy Areas

IRI undertakes Research and Developmental activities related to Irrigation and Hydro-electric Projects in the following major areas :


- ☞ Providing efficient and economical hydraulic design for various engineering works viz.
 - Canal works, Spillways, Power Houses, Intakes.
 - Diversion Works, Surge Tanks, Sediment Excluding and Ejecting Devices.
 - Siting of Bridges and Barrages.
 - River Training, Flood Protection and Anti-erosion Measures.
- ☞ Carrying out Geotechnical Investigations and Experimentations.
- ☞ Economical design of Concrete Mixes using Flyash and Superplasticizers, Roller Compacted Concrete
- ☞ Ground Water Development
 - Conjunctive Use of Subsurface and Surface Water, Water Logging
 - Suitability for Canal Linings, Seepage from Canals, Tubewell
 - Stability due to Sub-surface flow, Water Suitability
 - Studies for Regeneration/Seepage from Water Bodies
 - Determination of Geohydrological Parameters by Radio Active Tracer Technique.
- ☞ Sedimentation Studies
 - Capacity and Life of Reservoirs
 - Sediment Transport in Reservoirs and Channels.
- ☞ Mathematical Modelling
 - Hydrological Events
 - Sub-surface flow, Surface flow
 - Hydraulic Structures etc. (Surge Tank, Water Hammer and Sedimentation Chamber)
- ☞ Basic & Fundamental Research in the field of Water Resources.

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