


PREFACE

The National Institute of Hydrology (NIH), Roorkee was set-up in 1978 as an autonomous society under the Ministry of Water Resources, Government of India. The Institute is the apex body for science & technology and research & development in the area of hydrology and water resources development in India. In order to cover the various scientific and technical activities on all aspects of hydrology, the Institute has a team of 94 highly qualified, trained and experienced scientists from different disciplines of science and engineering besides the scientific and technical staff. The institute has also established a number of laboratories of national and international repute to carry out field and laboratory oriented research. The laboratories are equipped with state of art equipment to carry out a variety of testing and measurements to cover all the aspects of hydrology

Over the last 25 years, a large number of scientific studies have been carried out in the area of hydrology and water resources development. As a result, many new techniques have been developed, tested and validated under Indian conditions. Out of those, twenty-five technologies that have the potential to be applied straight away in the field by various organizations and individuals have been identified and enumerated in this document. The Institute is committed to provide all necessary guidance and help to the organisations interested in utilizing these technologies.

Over the years, a number of scientists of the Institute have contributed towards the development, testing and validation of Implementable technologies. However, I appreciate the efforts put in by Dr. Bhishm Kumar, Sc. "F"; Dr. M. K. Goel, Sc. "E1"; and their teams in compilation, editing and bringing out the document in the present shape in record time.

I hope this document will be of immediate help to the Central and State Government Organisations, NGOs, and stake holders in investigating and managing Water Resources in the country.


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