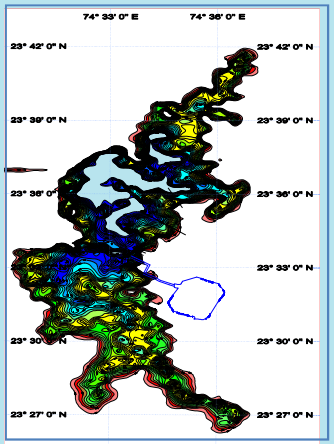
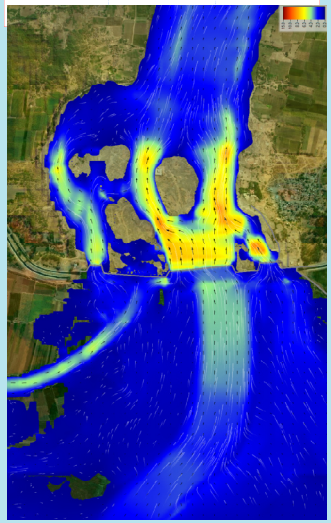
ROLE OF HYDRAULIC MODELLING IN RIVER ENGINEERING

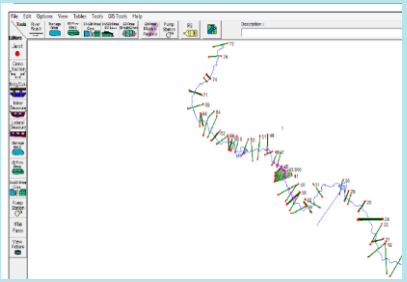
About CWPRS

Central Water and Power Research Station (CWPRS), Pune as it is known today was established in 1916 is a premier National Institute offering a wide range of R&D services related to hydraulics and allied areas for providing research inputs for the design and development of projects in water recourses, river engineering, port sector and coastal developments. Today, CWPRS is a multi-disciplinary research organization with no parallels in India. With its recognition in 1971 as the Regional Laboratory for ESCAP, the institutions playing a greater role in rendering technical advice and guidance to a number of developing countries. The activities of CWPRS encompass the studies undertaken in the following seven major disciplines:

- River Engineering
- River and Reservoir System Modeling
- Reservoir and Appurtenant Structures
- Coastal and Offshore Engineering
- Foundation and Structures
- Applied Earth Sciences
- Instrumentation , Calibration and Testing Services







Information Bulletin Online Training Course On Role of Hydraulic Modelling in River Engineering

Organized by

100 years and beyond ...
1976-2016

Government of India
Ministry of Jal Shakti
Department of Water Resources,
River Development & Ganga Rejuvenation
Central Water and Power Research Station
Khadakwasla, Pune – 411024.

Shri A. K. Agrawal
Director

Objectives :

The objective of the course is to disseminate knowledge related to hydraulic modelling in river engineering problems such as river front development, siting of intake structures, hydraulic design of bridges and barrages, river channelization, river training works, river morphology etc. Physical/Mathematical modelling will be explained in the course. The merits and demerits of physical and mathematical models will also be discussed. The present training course is being organized to share about various studies carried out at CWPRS and issues related to river engineering problems with site engineers, research scientists, students and academicians.

Technical details :

- The course will consist of lectures by CWPRS experts having long research and professional experience. Some typical case studies carried out at CWPRS will be explained. Various topics which would be covered include :
- Introduction to modeling of rivers
- Modelling of hydraulic structures like bridge, barrages, intakes etc.
- River training and bank protection works
- Siting and hydraulic design of Intakes
- Hydraulics of barrages and its appurtenant structures
- Rainfall-Runoff Analysis
- River behavior and Morphology

Venue and Date :

The online course will be held between 1000-1600 hrs during September 27th - 28th, 2021 at Central Water and Power Research Station (CWPRS), Khadakwasla, Pune-411024 using Online Webex Platform.

Participation :

The proposed course is expected to be useful and is of interest to the practicing engineers, research scientists, consultants and academicians involved in studies/ related to river engineering problems. Students studying civil engineering may also find it interesting.

Registration & Certificate

There will be no registration fee for the course and the course will be conducted online. However participants are required to register themselves by email

The web link for the actual training will be provided only to the approved participants. Interested participants are required to send their registration by email with all details to the organizers latest on or before **15th September 2021.** A digital certificate of participation will also be issued to the registered participants.

All correspondence should be made to the email:

rivermodelling.cwprs@gmail.com

The online link will be shared with the participants. Method of logging in to the online sessions will be sent by separate emails to the approved participants. For further clarifications kindly contact the organizers through email.

Last date for acceptance of registration form
15th September 2021

Coordinator :
Dr. R. G. Patil, Scientist-E
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Co- coordinator:
Shri. N. A. Sonawane, Scientist-B
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Email :nasonawane_65@yahoo.co.in

सत्यमेव जयते

ONLINE
Training Course
on

ROLE OF HYDRAULIC MODELLING IN RIVER ENGINEERING

September 27-28, 2021

Registration Form

Name* : _____

Designation : _____

Organization* : _____

Mailing Address : _____

Tel* : _____ Off: _____

Fax: _____

Res : _____

E-mail* : _____

Alternate e-mail id (if any) : _____

Field of Experience : _____

_____

Signature of candidate

Recommendation from Head of Department