

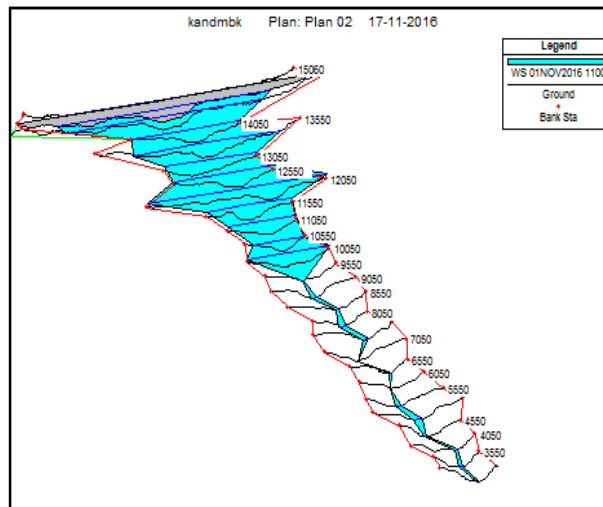
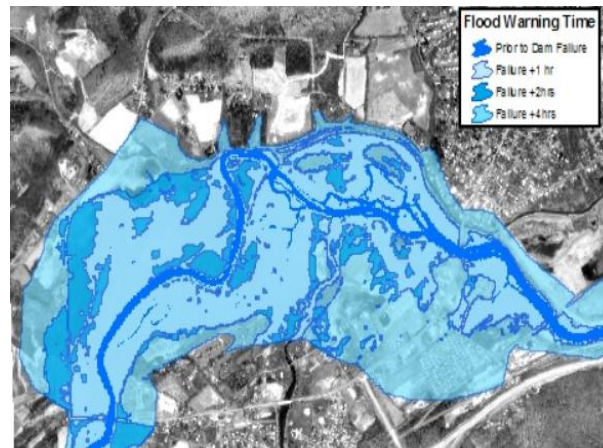
About CWPRS, Pune

Central Water & Power Research Station (CWPRS), Pune is a premier national institute offering a wide range of R&D services related to Water and Energy resources development, River Engineering problems and the Coastal development projects. The solutions offered by the Research Station are based on Physical & Mathematical Modeling, Field & laboratory investigations and Desk studies. CWPRS is a multidisciplinary organization which provides complete R&D solutions under one roof on problems related to water resources. As the UN recognized Regional Laboratory for ESCAP region since 1971, CWPRS has offered its services to a number of projects in the neighborhood nations as well as in countries of Middle East and Africa.

The major areas of Research at CWPRS

- River Engineering
- River & Reservoir System Modelling
- Reservoir and Appurtenant Structures
- Coastal and Offshore Engineering
- Foundation and Structures
- Applied Earth Sciences
- Instrumentation, Calibration and Testing Facilities

The training program on 'Dam Break Analysis and Disaster Management Planning' will be carried out by Surface Water Hydraulics Division under River and Reservoir system Modelling (R&RSM) Group. R&RSM group deal with the analysis of Hydro meteorological parameters, Hydrologic and Hydraulic Modelling of river basin, Flood Routing and Flood Forecasting Studies, Estimation of Design Floods, Estimation of Safe Grade Elevation for power plants and industrial establishments, Storm Water Management Studies, Reservoir Sedimentation Studies, Water Yield Analysis, Water Resources Planning and Management Studies etc.



Training Course

on

Dam Break Analysis and Disaster Management Planning

23-24 January 2017

CWPRS, PUNE



Organized by

Central Water and Power Research Station,
Khadakwasla, Pune – 411024

Dr.M.K.Sinha
Director

Objectives

Dam break is one of the major disasters causing severe damage to infrastructure like roads, railways, bridges, buildings and causing inevitable loss of life.

The prediction of the dam break flood is very important for the purposes of decision making and planning concerning to dam safety, contingency evacuation planning, controlling downstream developments and real time flood forecasting. The objective of dam break modeling is to simulate the movement of the dam break flood wave along the area downstream and to identify the time of arrival of flood, flood inundated area, flood depth, flow velocity, peak discharge and duration of flooding.

A dam break analysis is generally supplemented by an Emergency Action Plan (EAP) plan which streamlines duties undertaken by various local, District and State agencies in a coordinated manner to reduce potential liabilities and protect their investments.

CWPRS holds expertise in Dam Break Analysis and Disaster Management Planning. In this context, a two days training course is organized to throw light on the various aspects of Dam Break Analysis and Disaster Management. It will introduce the topics related to different hydrological and hydraulics studies used for Emergency Action Planning of Disaster Management.

Technical Details

Course consists of lectures by CWPRS Scientists and other experts having research experience in this topic.

Topics

- Dam Break Analysis – Need, Concept, Analysis, Outcomes
- Different methodologies available for Dam Break Analysis
- Hydrological Investigations & Estimation of Design Floods
- Use of GIS and Remote Sensing in Floodplain Mapping
- Dam Break Analysis using FLDWAV model.
- HEC-RAS model for Flood Routing & Dam Break modeling
- Disaster Management Planning

Participation

The course is intended for Practicing Engineers, Research Scientists, Consultants working in R&D Institutes, Central Water Commission, NPCIL, NTPC, WAPCOS, Faculty members, Research Scholars and Engineering students from Academic Institutions, Power generation Industries, etc.

Registration

The registration fee for the course is **Rs.4000/-** per participant. Interested participants may register themselves before **10th January 2017** by mailing the registration form duly filled, to the coordinator, along with the registration fees paid through Demand Draft drawn in favour of the Executive Engineer (Civil), Central Water and Power Research Station, Khadakwasla, Pune – 411 024

Certificate of Participation

A certificate of participation will be issued to all participants on conclusion of the training course.

Accommodation

Limited accommodation at nominal cost will be provided at CWPRS guest house on first come first served basis.

Coordinator Shri R.S.Jagtap

Joint Director

Email: jagtap_rs@cwprs.gov.in

Ph: 020-24103251, Cell: +91 9049059033

Co-coordinator Shri P.Vijayagopal

Scientist - B

Email: pvijayagopal22@yahoo.com

sw.h.cwprs@gmail.com

Ph: 020-24103395, Cell: +91 9372433040

Central Water & Power Research Station

Sinhagad Road, Khadakwasla, Pune-411024

Fax: 020-24381004

Web: www.cwprs.gov.in

Training Course

on

Dam Break Analysis and Disaster Management Planning

CWPRS, PUNE

23-24 January 2017

REGISTRATION FORM

Name (in capitals) : _____

Designation: _____

Organisation: _____

Mailing Address: _____

Tel: _____

Fax: _____

Email: _____

Enclosed please find DD No. _____

Dated _____ for Rs. _____

Drawn on _____ towards registration fee.

Accommodation required: Yes / No.

Signature