



Engineering Staff College of India
Autonomous Organ of The Institution of Engineers (India)
Old Bombay Road, Gachi Bowli, Hyderabad – 500 032.TS, India

WATER RESOURCES DEVELOPMENT DIVISION



Continuing Professional Development Programme on
Dam Safety and Emergency Action Plan
23 – 27 April, 2018



(An ISO 9001:2015 Certified, AICTE & CEA Recognized Institution)

Centre for Promotion of Professional Excellence

INTRODUCTION

About 4800 large dams spending enormous amounts have been constructed across the country since independence. In addition to these dams, there were also about 300 large dams constructed prior to independence era. By and large all these dams are performing well, except very few failures.

The dams which were constructed long back with the data, design and construction technologies available at that time are to be reviewed in view of the changes in the hydrological inputs, latest design parameters and other technological advancements in terms of Dam Safety Bill 2010 and necessary steps are to be taken to sustain the safety of the dams. However, the Engineers in-charge of the dams should also develop emergency action plans for the dams under their control and implement the same as the situation demands in case of failure.

The Dam Safety Bill clearly indicated the institutional mechanism at Central and State level detailing their duties and functions to be discharged by them including the obligation for emergency action plan and disaster management. The dam safety procedures as well as preparation and implementation of emergency action plan should be reviewed periodically and suitably updated based on the latest data and technological advancement including situation demands.

The most important activities associated with dam safety are operation & maintenance, regular inspections, proper surveillance and immediate follow up action on the suggestions and recommendations of the inspecting team.

Prevention of failures is always appreciated which saves the community from loss of human life, livestock as well as property in addition to intangible grief and distress.

OBJECTIVE

The proposed training programme aims at updating the knowledge and enhancing the skills of the in-service engineers / managers in ensuring the Safety of Storage dams and other huge water related structures in a systematic manner and also developing and implementing the emergency action plan for dams.

COVERAGE

- Safety of Dams and Dam Safety Guidelines.
- Dam Safety Bill – 2010
- Hydrological Review of Dam Safety – Computation of Probable Maximum Flood
- Structural Reviews of Masonry and Concrete Dams
- Structural Review of Rock-fill and Earth Dams
- Seismic Evaluation of Dam and Instrumentation for Dams
- Development and Implementation of Emergency Action Plan
- Operation and Maintenance of Spillway Gates
- Field Visit.

METHODOLOGY

Methodology includes class room lectures with audio visuals, interactive sessions through group discussions, case studies etc. Emphasis would be laid on sharing of experiences and active participation is solicited from participants. Medium of training is English.

TARGET PARTICIPANTS

The course is meant for engineers involved in construction and maintenance of large and medium dams, Engineers of Irrigation and Water Resources Departments of State Governments, engineers working in dam safety organizations, engineers and scientists working in engineering research laboratories at State and Central Government level as well as from NHPC, NHDC, NTPC, GENCO, CEA, etc..

PROGRAMME VENUE, DATES & TIMINGS

VENUE :

Engineering Staff College of India (ESCI) Campus, Old Bombay Road, Gachi Bowli, Hyderabad - 500032, TS, India.

DATES

23 – 27 April, 2018

TIMINGS

On the first day, registration will commence at 0900 Hrs. On all other days the programme timings will be from 0945 to 1715 hrs with breaks in between for tea and lunch.

COURSE DIRECTOR

B. Leela Prasada Rao, *B.E., M.Tech*
Sr. Faculty
WRD Division

COURSE FEE

Residential Fee is Rs.25,000/- per participant. Residential fee includes course material, course kit, and twin-sharing / single AC accommodation as per availability, Breakfast, Lunch, Dinner, Tea / Coffee and Snacks.

DISCOUNTS

Non-Residential Fee: 10% discount on course fee is allowed for non-residential participants.

Group Discount: Additional 10% discount for three or more participants if sponsored by the same organization.

(All discounts are applicable only if fee is received at ESCI before the commencement of the programme)

GST @18% as applicable is to be paid extra over and above the training fee. **PAN Card No** AAATT3439Q; **GSTIN** 36AAATT3439Q1ZV (under commercial training or coaching services).

Programme fee is to be paid in favour of “**IE(I)-Engineering Staff College of India**” in the form of demand draft payable at Hyderabad.

Alternatively the payment may be made by **Electronic Fund Transfer (EFT)** to ESCI - SB A/c No. 10007111201 with The SBI, PBB, Rajbhavan Road Branch, Khairatabad, Hyderabad-500004 by **NEFT/ RTGS/ IFSC Code No. SBIN 0004159 – MICR No.500002075. While using EFT method of payment, please ensure to communicate us your company name, our invoice reference and programme title.**

REGISTRATION

Online registration is available on ESCI website. To register, manually please send your nominations giving details of name, designation, contact address, email address, mobiles no, telephone and fax number of the participant along with the details of mode of payment of fee, addressed to:

Head

Water Resources Development Division

Engineering Staff College of India

Gachi Bowli, Hyderabad – 500 032

Phone: 040 – 66304117 – 9 (Dir.) 23000465 (EPABX): Extn: 4117– 9

Fax: 040 - 23000336

E-Mail : wrd@escihyd.org

Url : www.escihyd.org

CERTIFICATE: A certificate of participation will be awarded to each participant on conclusion of the programme.

GENERAL INSTRUCTIONS

- ESCI encourages participants to present case studies from their respective organizations.
- For the convenience of the outstation participants ESCI will facilitate pickup and drop from Airport / Railway Station/ Bus stations, if travel plans are received at least 3 days in advance along with mobile number by fax or email. The charges shall be paid by the participants directly to the cab.
- ESCI provides complimentary accommodation to participants a day prior to the commencement and after the conclusion of the programme. (Check in at 12:00Hrs) one day after conclusion (Check out at 12:00 hrs) of the programme duration.
- Overstay charges of @ Rs.990/- per day, per head will be charged.
- Well developed Information Centre and internet facilities are available to the participants.