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## INTRODUCTION

Central Water Commission CWC), a premier technical organization of India in the field of Water Resources has established Central Dam Safety Organisation (CDSO). CDSO provides technical and managerial assistance to dam owners and State Dam Safety Organisations for proper surveillance, inspection, operation and maintenance of all dams and appurtenant works in India to ensure safe functioning of dams and protecting human life, property and the environment. CDSO is also coordinating and supervising the Dam Rehabilitation and Improvement Project assisted by World Bank (estimated to cost Rs. 2100 crore) targeting rehabilitation and improvement of about 250 dams within seven states – namely: Jharkhand, Karnataka, Kerala, Madhya Pradesh, Odisha, Tamil Nadu and Uttarakhand,— with provision for taking up some more dams in other states. The project will also promote new technologies and improve institutional capacities for dam safety evaluation and implementation at the Central and State levels and in some identified premier academic and research institutes of the country.

Tamil Nadu is the largest participant under DRIP with a total of 113 large dams under rehabilitation out of which 75 dams are operated and maintained by Tamil Nadu Water Resources Department (TNWRD) and 38 by Tamil Nadu Generation and Distribution Corporation TANGEDCO.

Indian Institute of Technology Madras (IITM), Chennai is one of the premier academic and research institutions identified for capacity building in dam safety areas under DRIP.

TNWRD and IITM are coordinating with CWC in organizing the First National Dam Safety Conference during 24 & 25 March 2015 in Chennai.

## ABOUT THE CONFERENCE

There are about 4900 large dams in India and about 350 are under construction. In addition, there are several thousand smaller dams; the health and safety of these dams are of paramount importance for sustainable utilization of these valuable assets besides protecting the life, environment and property. First National Dam

Safety Conference is focusing on effective application of knowledge and technology to real-life problems faced by dam safety professionals. It provides a forum for sharing knowledge and experience of experts in the field and also helps in determining the strategies for effectively managing the uncertainties associated with dam operation and maintenance.

Six Technical Sessions (TS) are planned during the Conference wherein technical papers and case studies are invited from engineers, hydrologists, geologists, dam owners / operators, industry representatives and other stakeholders. The themes for the Technical sessions are as under:

- TS 1: Design Flood Estimation and Dam Safety Measures for Flood Mitigation
  - TS 2: Risk Assessment and Emergency Preparedness
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- TS 3: Institutional Arrangements and Good Management Practices for Sustainable Dam Safety
- TS 4: Latest Innovations and Methods for Monitoring Dam Health
- TS 5: New Materials and Methods for Dam Rehabilitation
- TS 6: Compliance with the Provisions of Design Standards – Issues & Strategies for Existing Dams

## REGISTRATION OF PARTICIPANTS

Dam owners, dam planners, dam operators and dam safety professionals as also contractors, suppliers and consultants involved in dam design, construction, instrumentation and inspection of dams are invited to participate in the National Conference. The targeted list of participants may be viewed at our website. You may register online by visiting our website: [www.damsafety.in](http://www.damsafety.in)

There is no participation fee for attending the Conference. Participants are required to make their own arrangements for their stay, transportation and other incidentals; the organizers will be able to assist in finding suitable accommodation on specific requests. However efforts are being made to provide limited accommodation to official delegates of DRIP and State Agencies.

## PAPERS FOR PRESENTATION

The papers relating to the topics of the Technical Sessions are invited from professionals who are associated with design, construction, operation and maintenance of dams or suppliers of equipment and instrumentation for dams. Guidelines for the authors presenting the papers are contained in our website. Technical Papers not adhering to the Guidelines are likely to be rejected.

Last date for submission of Full Paper is 06 March 2015; acceptance of the Paper will be communicated to you before 13 March 2015. The entire process of submission of full paper and approvals is done online through our website; authors are requested not to submit the papers in any other form like CD ROMs, printed pages, etc.

CWC / CDSO reserves the right to publish the papers in their websites or any other media

## EXPOSITION

Bare space will be made available at the venue of the Conference for display / exposition of charts, banners, photographs showcasing the latest developments, technologies and solutions in the areas of dam safety. Selected exhibitors will also be permitted to make a brief presentation of their products / technology during the Technical Sessions. Those interested to participate in the exposition may inform their interest indicating the nature of display and the space required latest by 06 March 2015; requests may be made through our website or by email to the Organizing Secretary. Depending on the availability, the space will be assigned and the details will be confirmed.

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## CONFERENCE PROGRAMME

The tentative programme of the conference is as below:

24-Mar-2015 (Day-1)		25-Mar-2015 (Day-2)	
Date & Time	Programme Details	Date & Time	Programme Details
0900 – 0930 h	Registration	0900 – 1030 h	Technical Session 4
0930 – 1100 h	Inaugural Session	1030 – 1100 h	Tea Break
1100 – 1130 h	Tea Break	1100 – 1230 h	Technical Session 5
1130 – 1300 h	Technical Session 1	1230 – 1330 h	Lunch
1300 – 1400 h	Lunch	1330 – 1500 h	Technical Session 6
1400 – 1530 h	Technical Session 2	1500 – 1600 h	Concluding Session
1530 – 1600 h	Tea Break	1600 – 1630 h	High Tea
1600 – 1730 h	Technical Session 3		

Since the registration of the participants for the National Conference is starting at 0900h on 24 January, for the benefit of the outstation participants arriving Chennai on the previous day, a sightseeing tour to Mahabalipuram is planned on 23<sup>rd</sup> Afternoon; those interested to take part are requested to intimate the details in the registration form.

*For any information, please contact*

The Organizing Secretary,  
First National Dam Safety Conference,  
Dam Safety Rehabilitation Directorate (CDSO),  
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Website: [www.damsafety.in](http://www.damsafety.in)

### First National Dam Safety Conference

24 - 25 March, 2015

IC&SR Auditorium, IITM, CHENNAI  
Organized by CWC, TNWRD and IITM

## First National Dam Safety Conference



**24 - 25<sup>th</sup> March, 2015**

Organized by  
**CENTRAL WATER COMMISSION  
TAMILNADU WATER RESOURCES DEPARTMENT  
INDIAN INSTITUTE OF TECHNOLOGY, MADRAS**

Venue  
**INDUSTRIAL CONSULTANCY AND SPONSORED RESEARCH AUDITORIUM,  
IIT MADRAS, CHENNAI**