



Search :

EVENTS

CDA ACB
CANADIAN DAM
ASSOCIATION
ASSOCIATION
CANADIENNE DES
BARRAGES

**Annual CDA
Conference &
Exhibition**

Oct. 5-10, 2013

Montréal, Québec
Canada

[Click here for more infos](#)

20
SLOOLD
SLOOLD INTERNATIONAL COMMITTEE ON LARGE DAMS
**SLOOLD 20th Anniversary
International Symposium**

16 October 2013

Ljubljana, Slovenia

[Click here for more info.](#)

CHINCOLD

**Hydropower - CHINCOLD
2013**

Annual Meeting & 3rd Intern.
Symp.on Rockfill Dams

1- 3 November 2013

Kunming, China

Tehri dam held raging Ganga and saved lives (July 23rd)

India: Tehri dam held raging Ganga and saved lives

by Emmanuel Grenier



Heavy floods affected Uttarakhand in India, at the border with Tibet and Nepal, during last month of June. The water inflow from Bhagirathi and its tributaries reached about 7,000 cubic meters per second. If that flow had gone uninterrupted, it would have caused extreme consequences. In the city of Rishikesh, the Ganga would have been flowing 5 meters above the danger level.

But that water inflow was stopped, thanks to the Tehri dam, which stored most of the supplementary water. As a result, the water inflow was reduced to a mere 500 cubic meters per second and the cities downstream (Rishikesh and Haridwar) were protected. An official from Tehri Dam authority explained that, while most power projects in Uttarakhand had stopped generation due to heavy silt depositing in the turbines, the Tehri and Koteshwar dams continued to generate power (respectively 1000 and 400 MW) as usual because they are reservoir storage projects.

A report quoted in the Times of India said the fury of nature in Uttarakhand was such that waters rose as high as a four-storeyed building at Devprayag, where the Alaknanda and Bhagirathi meet, in a 24-hour period after the June 16-17 cloudburst. This rise was unprecedented and could have resulted in total destruction of Rishikesh town and much of Haridwar if the flow of Bhagirathi was not contained by the Tehri reservoir, according to officials of the Tehri Hydro Development Corporation (THD). Rishikesh is famous for its ashrams, which would have been all wiped out.

[Read more](#)

PUBLICATIONS

Bulletin 134
WEAK ROCKS AND SHALES IN DAMS
ROCHES MEUBLES ET PILATES DANS LES BARRAGES
Bulletin 134

Weak Rocks and shales in Dams
More

Bulletin 135
GEOMEMBRANE SEALING SYSTEMS FOR DAMS
BOUCHES MÉTRIQUES ET FILTRES HYDROPHOBES POUR LES BARRAGES
Principes de conception et de mise en œuvre
Bulletin 135

Geomembrane sealings systems for Dams
More

Bulletin 136
THE SPECIFICATION AND QUALITY CONTROL OF CONCRETE FOR DAMS
LES SPÉCIFICATIONS ET LE CONTRÔLE DE QUALITÉ DES BARRAGES EN BÉTON
Bulletin 136

The specification and quality control of Concrete for Dams
More

Bulletin 137
RESERVOIRS AND SEISMICITY
REZERVOARS ET SISMICITE
Etat des connaissances
Bulletin 137

Reservoirs and seismicity - State of knowledge
More

Bulletin 138
SURVEILLANCE, BASIC ELEMENTS IN A "DAM SAFETY" PROCESS
LA SURVEILLANCE - ELEMENTS DE BASE D'UN PROCESSUS DE SECURITE DES BARRAGES
Bulletin 138

General approach to Dam Surveillance
More

Bulletin 139
IMPROVING TAILINGS DAM SAFETY
Critical Aspects of Management, Design, Operation and Closure
AMÉLIORER LA SECURITE DES BARRAGES DE STOKAS AVANCS
A propos d'Aspects de leur gestion, conception, maintenance et fermeture
Bulletin 139

Improving tailings dam safety - Critical aspects of management, design, operation and closure.
More

Bulletin 141

SANCOLD
Conference
Bloemfontein, South Africa
5 - 7 November 2013

Visit the dedicated website
www.sancold.org.za



**82st ICOLD
Annual Meeting**
June 1st to 6 2014, Bali,
Indonesia

Visit the dedicated website:
<http://www.icold2014bali.org>



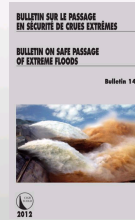
**83rd ICOLD Annual Meeting
and 25th Congress**
June 2015

Visit the dedicated website:
<http://www.icoldnorway2015.org>



Concrete face Rockfill Dams -
Concepts for design and
construction

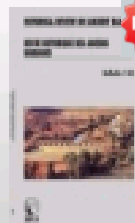
More



Bulletin 142

bulletin on safe passage of
extreme floods

More



Bulletin 143

Historical review on ancient
Dams

More



Bulletin 144

Cost savings in Dams

More



Bulletin 153

Sustainable design and post-
closure performance of
tailings dams

More



Bulletin 155

Guidelines for use of
numerical models in dam
engineering

More

[View all our publications](#)

RECENT NEWS



[Netherlands Navy, stakeholders brainstorm on solutions to flooding](#)
17 October 2013 - The Punch - Nigeria

[Egypt: Ethiopia, Sudan and Egypt Discussions On Renaissance Dam Panel Report Next Week](#)
16 October 2013 - All Africa.com