

CFRD 2000

Proceedings

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PREFACE

The construction of concrete face rockfill dams (CFRD) has been conducted in full swing in recent years. Two international symposiums on CFRD were successfully held in 1985 in Detroit, United States and in 1993 in Beijing, China respectively. During the symposiums, practical experiences and technical advancements had been exchanged among the engineers from various countries over the world. Now, taking the opportunity of the 20th Congress ICOLD in September 2000 in Beijing, it is much more significant to organize concurrently the 3rd Symposium in this field for exchanging and discussing the up-to-date achievements. This Symposium is widely supported by the engineers working on CFRD.

Since 1993, Aguamilpa CFRD (H = 187m) in Mexico and Tianshenqiao No.1 CFRD (H = 178m) in China have been built. In China, there are more than 80 CFRDs constructed or under construction, including 19 CFRDs higher than 100m. Among them, the highest one is the CFRD of the Shuibuya Hydropower Project with a height of 233m and an installed capacity of 1600MW. The government's approval for starting to build this project was issued in December 1999. The construction preparation works are going smoothly. At present the number of CFRD is being increased steadily. The maximum dam height and the scale of the project is rapidly developed. Fruitful experiences have been accumulated. However, it is still remained some crucial problems needed further discussion and solution. At this Symposium, it will provide a forum for all participants to present their opinions freely on problems of mutual interests.

There are 54 papers from 10 countries having been collected for the Symposium Proceedings, including the following subjects:

General

Materials for CFRD

Design features

Construction technologies

Monitoring and performance

The Organizing Committee of 20th Congress ICOLD and the Technical Committee of this Symposium would like to express its warm welcome to all participants for attending the International Symposium on Concrete Face Rockfill Dams, to be held in September 2000 in Beijing. We are looking forward to exchange information and experiences, discuss problems of common interest and promote the further development of CFRD.

Zhang Guangdou

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August 10, 2000

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