



SHARMA, Yoginder Kumar
Consultant & Faculty (Civil Design)

Formerly Member, Central Water Commission

Formerly Director (Technical), PunatsangChhu HE Project, Bhutan

Yoginder Kumar Sharma, Former Member Central Water Commission and Ex-officio Additional Secretary to Government of India has done his Masters in Structural Civil Engineering from PEC, Chandigarh. He has an illustrious career of 36 years in Government. He has a rich experience of 15 years in design of hydroelectric projects, backed up with 7 years of experience in implementing and managing construction of two mega hydroelectric projects of 1200MW and 1020MW as Director (Technical) in Bhutan.

The major challenges dealt by him included handling the major hill mass movement of right abutment of the 136m high dam at Punatsangchhu -I Project, installation of about 1000 cable Anchors of 100MT capacity and installation of 2m dia RCC piles for depths 45m to 80m in shear zone of dam foundation. Other major challenges handled by him were construction of 90m deep Plastic Concrete Cut-Off wall and treatment of a mega shear zone in the dam foundations affecting 4 blocks of the Punatsagnchhu-II.

He wrote a paper on : Delineation and treatment of Mega shear zone in the main dam foundation : A case study of Punatsangchhu HEP-II, Bhutan" which was included in proceedings of 26th ICOLD Congress" held in July on 1-7-2018 at Vienna, Austria.

He, working as Director (Technical) was involved in study and identification of reasons of mishap in *huge sized cavern of Downstream Surge Gallery* in Punatsangchhu-II Project, which has widely been shared in international fora.

He is credited with construction of a number of large sized 400m x 18m width x 24m Desiting chambers, 10 to 12 m diameter 20 km long tunnels, Concrete Dams, huge underground caverns and Surge Shafts for two mega projects utilizing state of art technologies.