Karlsruher Institut für Technologie

Seminar@IWG-WB

Bettina Geisseler, Lawyer
GEISSELER LAW, Germany

Lessons learnt - Critical success factors in a hydro power plant construction or rehabilitation contract

30. June 2023
11:30-13:00 Uhr
KIT, Geb. 10.81, Room 305
or online:
https://kit-lecture.zoom.us/j/69828622374

Lessons learnt - Critical success factors in a hydro power plant construction or rehabilitation contract

(Pumped storage) HPP “Luigi Einaudi”, Entracque/ Italy [Enel]

Abstract

Constructing a hydro power plant (HPP) is a complex project and a challenge for the contractual parties of the construction contract and all other stakeholders concerned such as the financing institutions or experts providing hydrological, geological expert advice or the grid operator.

The contract balancing the different interests shall minimize risks, can help to avoid pitfalls and cope with unforeseen situations which might endanger the overall goal: to construct the HPP in the agreed quality, within the time for completion and at the calculated price respectively costs.

The main success factors are: (i) a clear - cut definition of the Scope of Works; (ii) comprehensive rules regarding the interface management; (iii) a well-defined Quality Assurance program with continuous reporting obligations of the Contractor and ample approval and inspection rights of the Owner/Employer and (iv) last, but not least, an efficient and balanced allocation of risk in case of the occurrence of unforeseen events hindering the construction progress.

Biography

Bettina Geisseler, Lawyer, founded the law firm GEISSELER LAW after having spent many years as inhouse legal counsel in international companies specialised in the field of civil, mechanical, and electrical engineering. She advises German and international clients in contracts regarding large-scale infrastructure projects such as (hydro) power plants, windfarms, or dams all over the world. She is a member of ICOLD’s (Intern. Commission on Large Dams) European Working Group on “Penstocks and Pressure Shafts”, of the Scientific Board of the “Association Hydrotechnique de France” (SHF) and is Chairperson of the External Advisory Board of ALPHEUS, an EU Horizon 2020 research project (Augmenting Grid Stability Through Low Head Pumped Hydro Energy Utilization and Storage).

Contact Information: geisseler@geisseler-law.com

Karlsruher Institut für Technologie

Institut für Wasser und Gewässerentwicklung
Fachbereich Wasserbau und Wasserwirtschaft