

## Type of Dam Construction and It's Challengings

**Authors :** Mokhtar Nikgoo

**Abstract :** Definition of dam: A dam is one of the most important and widely used engineering structures, which means stopping or changing the course of water on a river. A lake is formed behind the dam, which is called (reservoir). Water is stored in the tank to be used when needed. The dam building industry is a great service to mankind in the use of water and land resources. If they build the dam in a suitable place, they will prevent floods. The water that collects behind the dam and in the dam's lake and reservoir is a valuable reserve for drinking by people and animals. Dry agricultural lands are also irrigated with this water. In addition, in many dams, the pressure caused by the water fall is directed by turbines, and the turbines move the power generation devices and provide power from electricity

**Keywords :** dam, shaft, gallery, spillway, power plant

**Conference Title :** ICED 2024 : International Conference on Embankment Dams

**Conference Location :** Vancouver, Canada

**Conference Dates :** August 05-06, 2024