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Gordiyan Dam, Iran

PROJECT SUMMARY

PROJECT NAME: Gordiyan Dam  
PROJECT DATE: 2015  
CLIENT: East Azerbaijan Regional Water Authority  
CONTRACTOR: Azar Ettefag  
CONSULTANT: Faraz AB  
INSTRUMENTATION SPECIALIST: Larzeh Sakht Savalan

OVERVIEW

Gordiyan Dam is located 20 Km South East of Jolfa (East Azerbaijan Province) in Iran. The dam provides water to the Potable & Industry. Gordiyan Dam is an earthfill dam, with a clay core. It is 1420 m in length and 40 m high and impounds a 23,000,000 m³ reservoir.

MONITORING

Monitoring of the dam construction integrity and long-term safety is carried out by recording measurements in the following key areas:

Main dam body  
Pore water pressures in the core  
Effective stress in the core  
Inclination in the core & shell  
Settlement in the core & Shell  
Groundwater levels  
Foundation  
Pore water pressures in the rock  
Groundwater levels  
Dam main drain  
Seepage

PRODUCTS USED

VW Total Pressure Cells  
For measuring total earth pressures

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