

# Wadi Al Jifnain Dam JIF7, Muscat Oman

## Facts

CITY (COUNTRY)  
Muscat (Oman)

CLIENT  
Ministry of Agriculture, Fisheries  
Wealth & Water Resources  
P.O. Box 461  
Muscat / Oman

STRABAG UNIT  
STRABAG Oman LLC  
Muscat / Oman

CONTRACT VALUE  
€ 93,566,896  
(OMR 42,320,307)

CONSTRUCTION PERIOD  
11/2020 – 08/2023

## Project Description

The Al Jifnain flood protection dam being built next to the Sultan Qaboos University in Al Seeb will help to protect the infrastructure of the university district and the residential areas located in the lower reaches from flooding. The U-shaped dam will be 6,500 m long and up to 20 m high above lowest natural ground level. It consists of a main rockfill embankment, two ungated concrete chute spillways with a length of 320 m and 80 m and retaining walls, two intake towers and bottom outlets with 6 steel gates and a geotechnical monitoring system.

The sealing of the embankment dam consists of a plastic concrete cut-off wall and a plastic concrete core wall in the middle of the dam. In addition, sectional grout curtains are required.

### Project Data

Excavation Soil: 560,000 m<sup>3</sup>  
Structural Concrete: 101,000 m<sup>3</sup>  
Plastic Concrete Cutoff Wall: 49,000 m<sup>2</sup>  
Dam fill: 2,100,000 m<sup>3</sup>  
Plastic Concrete Core Wall: 51,000 m<sup>2</sup>

