

Dam: Cheshmeh Ashegh

Country Iran

River Cheshmeh Ashegh

28°52'51.88"N 54°53'3.81"E

28.881079 54.884392

Owner/Client Fars Regional Water Company

Designer/Engineer Ab Niroo Consulting Engineers

Contractor Ev-Yol Construction Co.

Purpose (code) F I W

Site start 13.06.2010

RCC start 28.10.2011

RCC completion 29.05.2014

Site completion 19.03.2017

Height (m) 60

Length (m) 375

Volume of RCC ($m^3 \times 10^3$) 130

Total volume ($m^3 \times 10^3$) 250

Reservoir capacity ($m^3 \times 10^6$) 62

Upstream slope

Forming of upstream face (code) (1)

Downstream slope

Forming of downstream face (code) (1)

Spillway slope

Forming of spillway face (code) (12)

Depth of layers (mm) 300

Depth of lifts (mm) 600 - 900

Cement content (kg/m^3) 120

Pozzolan content (kg/m^3) 80

Code for pozzolan (N)

RCCDAM Unique Serial No. RCCDAM0600

Under Construction



RCCDAM0600UC

Completed Dam



RCCDAM0600CD

Google Earth



RCCDAM0600GE

Guide to Abbreviations

Purpose

- E Environmental
- F Flood control
- G Groundwater recharge
- H Flood control
- I Irrigation
- N Navigation
- P Pollution control
- R Recreation
- W Water supply

Facing method

- (1) Traditional concrete against formwork
- (2) Traditional concrete against formwork with external geomembrane
- (3) RCC against formwork
- (4) RCC against formwork with external geomembrane
- (5) Traditional concrete against precast concrete panels
- (6) Traditional concrete against precast concrete panels with geomembrane
- (7) RCC against precast concrete panels
- (8) RCC against precast concrete panels with geomembrane
- (9) RCC against precast concrete panels with hot poured membrane
- (10) RCC against precast concrete blocks
- (11) Reinforced conventional concrete cast before RCC placement
- (12) Reinforced conventional concrete cast after RCC placement
- (13) Reinforced concrete cast against precast units or slip-formed facing elements
- (14) Slip-formed/extruded facing elements
- (15) RCC supported by fill shoulders
- (16) Mechanically compacted unformed face of RCC
- (17) Unformed face of RCC
 - ' GEVR/GE-RCC
 - * Stepped face

Pozzolans

- (-) No Pozzolan Used
- (C) High-lime flyash (ASTM Class C)
- (F) Low-lime flyash (ASTM Class F)
- (M) Milled sand
- (N) Natural pozzolan (ASTM Class N)
- (R) ROLAC (mixture of flyash and slag with or without limestone fines)
- (S) Ground-granulated blast-furnace slag
- (L) Mixture of GGBFS and limestone fines