

Dam: Neelum-Jhelum

Country: Pakistan

River: Neelum

34°23'52.58"N 73°43'8.16"E

34.397938 73.718933

Owner/Client: Neelum Jhelum Hydropower Company

Designer/Engineer: WAPDA

Contractor: CGGC-CMEC (Gezhouba Group and China National Machinery Import and Export Corp.) JV

Purpose (code): H

Site start: 01.01.2008

RCC start: 01.01.2014

RCC completion: 31.08.2016

Site completion: 30.11.2017

Height (m): 47

Length (m): 125

Volume of RCC (m<sup>3</sup>x10<sup>3</sup>): Unknown

Total volume (m<sup>3</sup>x10<sup>3</sup>): 156

Reservoir capacity (m<sup>3</sup>x10<sup>6</sup>): 8

Upstream slope:

Forming of upstream face (code):

Downstream slope:

Forming of downstream face (code):

Spillway slope:

Forming of spillway face (code):

Depth of layers (mm):

Depth of lifts (mm):

Cement content (kg/m<sup>3</sup>):

Pozzolan content (kg/m<sup>3</sup>):

Code for pozzolan:

RCCDAM Unique Serial No. RCCDAM0653

### Under Construction



RCCDAM0653UC

### Google Earth



RCCDAM0653GE

# 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