

Dam: Murum

Country Malaysia

River Murum

2°38'58.25"N 114°22'2.57"E

2.649514 114.367378

Owner/Client SEB (Sarawak Energy Bhd)

Designer/Engineer Changjiang Survey, Planning, Design and Research Co. Ltd.

Contractor Three Gorges Development Co

Purpose (code) H

Site start 01.10.2008

RCC start 17.01.2011

RCC completion 30.06.2013

Site completion 28.02.2015

Height (m) 146

Length (m) 440

Volume of RCC (m³x10³) 1520

Total volume (m³x10³) 1660

Reservoir capacity (m³x10⁶) 12043

Upstream slope V
0.20

Forming of upstream face (code) (3')
(3')

Downstream slope 0.70
0.80

Forming of downstream face (code) (3) *

Spillway slope 0.70
0.80

Forming of spillway face (code) *Unknown*

Depth of layers (mm) 300

Depth of lifts (mm) 3000

Cement content (kg/m³) 88
65

Pozzolan content (kg/m³) 88
72

Code for pozzolan (F)

RCCDAM Unique Serial No. RCCDAM0575

Under Construction



RCCDAM0575UC

Completed Dam



RCCDAM0575CD

Google Earth



RCCDAM0575GE

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