| | | | |
|---|---|---|---|
| Dam: | Yongxi №3 | Country | China |
| River | Dazhangxi | *DMS Co-ordinates Unknown* | *DD Co-ordinates Unknown* |
| Owner/Client | Yongxi Hydroelectric Co. Ltd. | | |
| Designer/Engineer | East China Investigation & Design Institute of Water Resources and Hydropower, Hangzhou | | |
| Contractor | 14th and 16th Construction Bureaux | | |

| | |
|---|---|
| Purpose (code) | F H W |
| Site start | 24.05.1996 |
| RCC start | 01.10.1997 |
| RCC completion | 30.10.1998 |
| Site completion | 30.09.1999 |
| Height (m) | 87 |
| Length (m) | 198 |
| Volume of RCC ($m^3x10^3$) | 170 |
| Total volume ($m^3x10^3$) | 255 |
| Reservoir capacity ($m^3x10^6$) | 68 |
| Upstream slope | V |
| Forming of upstream face (code) | (3') |
| Downstream slope | 0.73 |
| Forming of downstream face (code) | (10) |
| Spillway slope | ogee<br>0.73 |
| Forming of spillway face (code) | (1)<br>(1) |
| Depth of layers (mm) | 280 |
| Depth of lifts (mm) | 3000 |
| Cement content ($kg/m^3$) | 115<br>80 |
| Pozzolan content ($kg/m^3$) | 95<br>90 |
| Code for pozzolan | (F) |
| RCCDAM Unique Serial No. | RCCDAM0202 |

## Completed Dam



RCCDAM0202CD

# 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 |