Dam:	Ulu Jelai/Susu	Country	Malaysia
River	Bertam, Telom and Lemoi	4°26'02.41"N 101°32'39.19"E	4.434003 101.543732
Owner/Client	Tenaga Nasional Berhad (TNB)		
Designer/Engineer	SMEC International/SMEC Malaysia JV		
Contractor	TMSC (Tindakan Mewah Sdn Bhd and Salini Malaysia Consortium)		

Purpose (code)	H
Site start	01.03.2011
RCC start	24.03.2014
RCC completion	23.09.2015
Site completion	31.07.2016
Height (m)	90
Length (m)	513
Volume of RCC (m^3x10^3)	731
Total volume (m^3x10^3)	747
Reservoir capacity (m^3x10^6)	18
Upstream slope	V
Forming of upstream face (code)	(4')
Downstream slope	0.80
Forming of downstream face (code)	(3') *
Spillway slope	0.80
Forming of spillway face (code)	(1) *
Depth of layers (mm)	400
Depth of lifts (mm)	2400
Cement content (kg/m^3)	100 95
Pozzolan content (kg/m^3)	0 0
Code for pozzolan	(-)
RCCDAM Unique Serial No.	RCCDAM0639

Under Construction



RCCDAM0639UC

Completed Dam



RCCDAM0639CD

Google Earth



RCCDAM0639GE

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