

Dam: Batang Toru Country Indonesia

River Batang Toru 1°37'27.41"N 99°10'35.06"E 1.624281 99.176407

Owner/Client PT. North Sumatra Hydro Energy

Designer/Engineer BIDHI

Contractor SinoHydro Co. Ltd. (Construction Bureau N^o*)

Purpose (code) H

Site start 01.10.2017

RCC start 01.07.2023

RCC completion 31.03.2025

Site completion 30.12.2026

Height (m) 79

Length (m) 137

Volume of RCC (m³x10³) Unknown

Total volume (m³x10³) 500

Reservoir capacity (m³x10⁶) 18

Upstream slope Unknown

Forming of upstream face (code) Unknown

Downstream slope Unknown

Forming of downstream face (code) Unknown

Spillway slope Unknown

Forming of spillway face (code) Unknown

Depth of layers (mm) 300

Depth of lifts (mm) 2000

Cement content (kg/m³) Unknown

Pozzolan content (kg/m³) Unknown

Code for pozzolan Unknown

RCCDAM Unique Serial No. RCCDAM1253

Under Construction



RCCDAM1253UC

Google Earth



RCCDAM1253GE

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