

Lao People's Democratic Republic
Peace Independence Democracy Unity prosperity

EDL-GENERATION PUBLIC COMPANY
NamNgum-1 HPP



No : 3478...
NamNgum-1, Date:
3 SEP 20

Reservoir Water Situation Reports of NamNgum-1
Date : 13/09/2018 at 08:00 AM

1. Reservoir water level and Tail water level

- Reservoir water level 212.61 m.asl, Reservoir water Volume = 7,209,153,400 m³ , Water level has increased 3 cm compared to 08:00 am yesterday morning
- Tail water level 169.80 m.asl has decreased 10 cm compared to 08:00 am yesterday morning

2. Reservoir Inflow and Outflow of NamNgum-1 HPP

A. Reservoir Inflow = 1,291.1 m³/s = 111,550,920 m³/day
All amount included: - inflow from NNG-2 = 1,218.2 m³/s = 105,250,000 m³/day

(At 07:00 AM 12/09/2018, the Height of Spillways gate opened has been increased from 1.2 m to 1.5 m)
- inflow from others sources = 72.9 m³/s = 6,298,560 m³/day

B. Reservoir Outflow = 1,178.1 m³/s = 101,781,720 m³/day

All amount included: - Turbines Discharge = 568.8 m³/s = 49,140,720 m³/day
- Spillway Discharge = 609.3 m³/s = 52,641,000 m³/day

(At 08:00 Am 11/09/2018, the Height of Spillways gate opened has been increased from 1.2 m to 1.5 m, Spillways discharge = 609.3 m³/s

- Rainfall at NamNgum 1 Raingauge is 0 mm

C. Pak ka ngoung gauge the water level at 9.60 m

• Flow at Pak ka ngoung gauge (Qpn) = 2,335.9 m³/s

All amount included: - Flow from NamNgum 1 (Qng1) = 1,178.1 m³/s

- Flow from Nam Song River (Qns) = 241.9 m³/s

- Flow fom Nam Lik1-2 (Qnl1-2) = 166.5 m³/s

(At 11:00 AM 8/09/2018, the Height of Spillways gate opened has been reduced from 1.0 m to 50 cm)

- Flow from others small tributeries (Q) = 749.4 m³/s

3. Reservoir Water Balance (A-B) = 113.0 m³/s = 9,763,200 m³/day

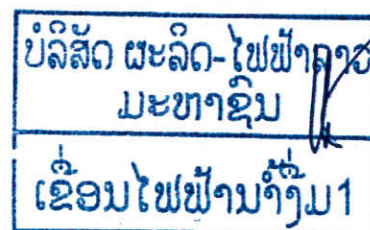
Therefore : Reservoir water level has increased 3 cm /Day

4. Streamgauge data along Namlik river and NamNgum Downstream River compared to 08:00 AM yesterday morning as follow:

- Water level at Hinhuep gauge no data
- Water level at Pakkangoung gauge is 9.60 m at 08:00 am it is seen that water level has decreased 10 cm (9.70 m)
- Water level at Boungphao gauge has no data
- Water level at Ban Cheng gauge has no data
- Water level at Ban Choom gauge no data
- Water level at Ban Tanpiow gauge no data
- Water level at Ban Hatsuan gauge no data
- Water level at Vernkham gauge is 12.65 m at 08:00 am it is seen that water level has decreased 20 cm (12.85 m)

Remarks	Reservoir Water Level	Tail water level
Dangerous level	= 215.0 m.asl	175.00 m.asl
Warning level	= 214.0 m.asl	173.00 m.asl
Full supply Level	= 212.3 m.asl	172.00 m.asl
Normal level	= 212.0 m.asl	167.50 m.asl

Director of NamNgum-1 HPP



Buavanh CHANSAVATH
Director