

Lao People's Democratic Republic  
Peace Independence Democracy Unity prosperity

EDL-GENERATION PUBLIC COMPANY  
NamNgum-1 HPP



No: 3397  
NamNgum-1, Date: 11 SEP 2018

**Reservoir Water Situation Reports of NamNgum-1**  
Date : 11/09/2018 at 08:00 AM

**1. Reservoir water level and Tail water level**

- Reservoir water level 212.57 m.asl, Reservoir water Volume = 7,196,127,800 m<sup>3</sup> , Water level has increased 4 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** = 1,155.0 m<sup>3</sup>/s = 99,793,232 m<sup>3</sup>/day

All amount included: - inflow from NNG-2 = 899.4 m<sup>3</sup>/s = 77,710,000 m<sup>3</sup>/day

( At 09:00 AM 8/09/2018, the Height of Spillways gate opened has been reduced from 1.2 m to 90 cm )

- inflow from others sources = 255.6 m<sup>3</sup>/s = 22,083,840 m<sup>3</sup>/day

**B. Reservoir Outflow** = 1,004.2 m<sup>3</sup>/s = 86,767,632 m<sup>3</sup>/day

All amount included: - Turbines Discharge = 514.2 m<sup>3</sup>/s = 44,427,960 m<sup>3</sup>/day

- Spillway Discharge = 490.0 m<sup>3</sup>/s = 42,339,672 m<sup>3</sup>/day

( At 08:00 Am 10/09/2018, the Height of Spillways gate opened has been reduced from 1.5 m to 1.2 m, Spillways discharge = 490.0 m<sup>3</sup>/s

- Rainfall at NamNgum1 Raingauge is 0 mm

**C. Pak ka ngoung gauge the water level at 9.96 m**

• Flow at Pak ka ngoung gauge (Qpn) = 2,486.0 m<sup>3</sup>/s

All amount included: - Flow from NamNgum 1 (Qng1) = 1,004.2 m<sup>3</sup>/s

- Flow from Nam Song River (Qns) = 339.5 m<sup>3</sup>/s

- Flow fom Nam Lik1-2 (Qnl1-2) = 160.7 m<sup>3</sup>/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) = 981.6 m<sup>3</sup>/s

**3. Reservoir Water Balance (A-B) = 150.8 m<sup>3</sup>/s = 13,029,120 m<sup>3</sup>/day**

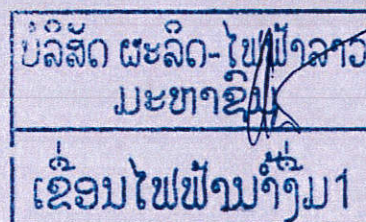
Therefore : Reservoir water level has increased 4 cm /Day

**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 9.96 m at 08:00 am it is seen that water level has decreased 18 cm (10.14m)
- Water level at Bounghphao gauge has decreased 30 cm compared to 08:00 am yesterday morning
- Water level at Ban Cheng gauge 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 13.11 m at 08:00 am it is seen that water level has decreased 27 cm (13.38m)

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