

Lao People's Democratic Republic  
Peace Independence Democracy Unity prosperity

EDL-GENERATION PUBLIC COMPANY  
NamNgum-1 HPP



No : 3.558.....  
NamNgum-1, Date 27 SEP 2018

**Reservoir Water Situation Reports of NamNgum-1**

Date : 27/09/2018 at 08:00 AM

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

- Reservoir water level 212.42 m.asl, Reservoir water Volume = 7,147,280,800 m<sup>3</sup> , Water level has not change compared to 08:00 am yesterday morning

- Tail water level 168.0 m.asl has not change compared to 08:00 am yesterday morning

**2. Reservoir Inflow and Outflow of NamNgum-1 HPP**

**A. Reservoir Inflow** = 676.1 m<sup>3</sup>/s = 58,417,092 m<sup>3</sup>/day

All amount included: - inflow from NNG-2 = 425.3 m<sup>3</sup>/s = 36,750,000 m<sup>3</sup>/day

- inflow from others sources = 250.8 m<sup>3</sup>/s = 21,669,120 m<sup>3</sup>/day

**B. Reservoir Outflow** = 676.1 m<sup>3</sup>/s = 58,417,092 m<sup>3</sup>/day

All amount included: - Turbines Discharge = 551.5 m<sup>3</sup>/s = 47,651,400 m<sup>3</sup>/day

- Spillway Discharge = 124.6 m<sup>3</sup>/s = 10,765,692 m<sup>3</sup>/day

• the Height of Spillways gate opened 30 cm Spillways discharge = 124.6 m<sup>3</sup>/s

- Rainfall at NamNgum 1 Raingauge is 0 mm

**C. Pak ka ngoung gauge the water level at 5.64 m**

• Flow at Pak ka ngoung gauge (Qpn) = 941.6 m<sup>3</sup>/s

All amount included: - Flow from NamNgum 1 (Qng1) = 676.1 m<sup>3</sup>/s

- Flow from Nam Song River (Qns) = 11.3 m<sup>3</sup>/s

- Flow fom Nam Lik1-2 (Qnl1-2) = 134.3 m<sup>3</sup>/s

- Flow from others small tributeries (Q) = 119.9 m<sup>3</sup>/s

**3. Reservoir Water Balance (A-B) = 0 m<sup>3</sup>/s = 0 m<sup>3</sup>/day**

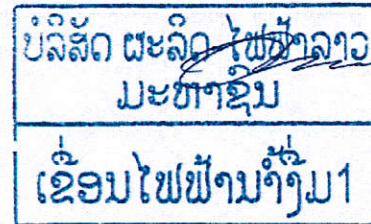
Therefore : Reservoir water level has not change

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

- Water level at Pakkangoung gauge is 5.64 m at 08:00 am it is seen that water level has decreased 16 cm (5.80 m)
- Water level at Vernkham gauge is 7.10 m at 08:00 am it is seen that water level has decreased 35 cm (7.45 m)

Director of NamNgum-1 HPP

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



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