

Lao People's Democratic Republic
Peace Independence Democracy Unity prosperity

EDL-GENERATION PUBLIC COMPANY
NamNgum-1 HPP



No : 335.6....
NamNgum-1, Date: 10 SEP 2018

Reservoir Water Situation Reports of NamNgum-1

Date : 10/09/2018 at 08:00 AM

1. Reservoir water level and Tail water level

- Reservoir water level 212.53 m.asl, Reservoir water Volume = 7,183,102,200 m³ , Water level has decreased 2 cm compared to 08:00 am yesterday morning
- Tail water level 169.9 m.asl has decreased 50 cm compared to 08:00 am yesterday morning

2. Reservoir Inflow and Outflow of NamNgum-1 HPP

A. Reservoir Inflow = 1,037.1 m³/s = 89,605,440 m³/day
 All amount included: - inflow from NNG-2 = 906.0 m³/s = 78,278,400 m³/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 = 131.1 m³/s = 11,327,040 m³/day

B. Reservoir Outflow = 1,112.48 m³/s = 96,118,272 m³/day

All amount included: - Turbines Discharge = 514.18 m³/s = 44,425,152 m³/day

- Spillway Discharge = 598.30 m³/s = 51,693,120 m³/day

(At 06:05 Am 10/09/2018, the Height of Spillways gate opened has been reduced from 1.5 m to 1.2 m, Spillways discharge = 489.93 m³/s

- Rainfall at NamNgum1 Raingauge is 0 mm

C. Pak ka ngoung gauge the water level at 10.14 m

• Flow at Pak ka ngoung gauge (Qpn) = 2,562.41 m³/s

All amount included: - Flow from NamNgum 1 (Qng1) = 1,112.48 m³/s

- Flow from Nam Song River (Qns) = 322.22 m³/s

- Flow fom Nam Lik1-2 (Qnl1-2) = 142.5 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) = 985.2 m³/s

3. Reservoir Water Balance (A-B) = (-75.38) m³/s = (-6,512,832.0) m³/day

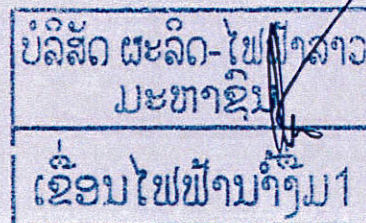
Therefore : Reservoir water level has decreased 2 cm/Day

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 10.14 m at 08:00 am it is seen that water level has decreased 46 cm (10.60m)
- Water level at Bounghphao gauge has decreased 18 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 13.38 m at 08:00 am it is seen that water level has decreased 20 cm (13.58m)

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