

Lao People's Democratic Republic
Peace Independence Democracy Unity prosperity

EDL-GENERATION PUBLIC COMPANY
NamNgum-1 HPP



No : 3396.....
NamNgum-1, Date:

12 SEP 2018

Reservoir Water Situation Reports of NamNgum-1

Date : 12/09/2018 at 08:00 AM

1. Reservoir water level and Tail water level

- Reservoir water level 212.58 m.asl, Reservoir water Volume = 7,199,384,200 m³ , Water level has increased 1 cm compared to 08:00 am yesterday morning
- Tail water level 169.90 m.asl has increased 10 cm compared to 08:00 am yesterday morning

2. Reservoir Inflow and Outflow of NamNgum-1 HPP

A. Reservoir Inflow

= 1,143.21 m³/s = 98,773,344 m³/day

All amount included: - inflow from NNG-2 = 1,093.0 m³/s = 94,435,200 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 = 50.2 m³/s = 4,338,144 m³/day

B. Reservoir Outflow

= 1,105.52 m³/s = 95,516,928 m³/day

All amount included: - Turbines Discharge = 507.40 m³/s = 43,839,360 m³/day

- Spillway Discharge = 598.12 m³/s = 51,677,568 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 = 608.5 m³/s

- Rainfall at NamNgum1 Raingauge is 0 mm

C. Pak ka ngoung gauge the water level at 9.70 m

• Flow at Pak ka ngoung gauge (Qpn) = 2,377.19 m³/s

All amount included: - Flow from NamNgum 1 (Qng1) = 1,105.52 m³/s

- Flow from Nam Song River (Qns) = 239.44 m³/s

- Flow fom Nam Lik1-2 (Qnl1-2) = 142.8 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) = 889.43 m³/s

3. Reservoir Water Balance (A-B) = 37.69 m³/s = 3,256,416 m³/day

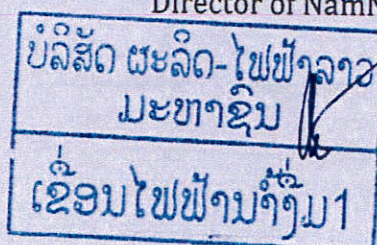
Therefore : Reservoir water level has increased 1 cm /Day

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 9.70 m at 08:00 am it is seen that water level has decreased 26 cm (9.96m)
- Water level at Bounghpao gauge has lower measurement gauge
- Water level at Ban Cheng gauge has decreased 10 cm compared to 08:00 am yesterday morning
- 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 12.85 m at 08:00 am it is seen that water level has decreased 26 cm (13.11m)

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