

Lao People's Democratic Republic
Peace Independence Democracy Unity prosperity

EDL-GENERATION PUBLIC COMPANY
NamNgum-1 HPP



No : 3295
NamNgum-1, Date: 4 SEP 2018

Reservoir Water Situation Reports of NamNgum-1

Date : 4/09/2018 at 08:00 AM

1. Reservoir water level and Tail water level

- Reservoir water level 212.98 m.asl, Reservoir water Volume = 7,329,642,200 m³ , Water level has increased 13 cm compared to 08:00 am yesterday morning
- Tail water level 172.0 m.asl has increased 60 cm compared to 08:00 am yesterday morning

2. Reservoir Inflow and Outflow of NamNgum-1 HPP

A. Reservoir Inflow = 2,336.81 m³/s = 33,650,064 m³/day

All amount included: - inflow from NNG-2 = 1,635 m³/s = 23,544,000 m³/day

(At 06:00 AM 4/09/2018, the Height of Spillways gate opened has been increased from 1.5 m to 1.8 m)

- inflow from others sources = 701.81 m³/s = 10,106,640 m³/day

B. Reservoir Outflow = 1,846.85 m³/s = 26,594,640 m³/day

All amount included: - Turbines Discharge = 519.62 m³/s = 7,482,528 m³/day

- Spillway Discharge = 1,327.23 m³/s = 19,112,112 m³/day

- At 07: 30 am 4/09/2018, the Height of Spillways gate opened has been increased from 3.5 m to 3.8 m, Spillways discharge = 1,479.10 m³/s

- Rainfall at NamNgum1 Raingauge is 25 mm

C. Pak ka ngoung gauge the water level at 11.50 m

• Flow at Pak ka ngoung gauge Qpn = 3,168.81m³/s

All amount included: - Flow from NamNgum 1 (Qng1) = 1,846.85 m³/s

- Flow from Nam Song River (Qns) = 640.3 m³/s

- Flow fom Nam Lik1-2 (Qnl1-2) = 295.5 m³/s

(At 13:00 PM 1/09/2018, the Height of Spillways gate opened has been reduced from 2.0 m to 1.5 m)

- Flow from others small tributeries (Q) = 386.16 m³/s

3. Reservoir Water Balance (A-B) = 489.96 m³/s = 7,055,424 m³/day

Therefore : Reservoir water level has increased 13 cm/Day

4. Streamgauge data along NL and NNG Downstream River compared to 08:00 AM yesterday morning as follow:

- Water level at Hinhuep gauge can not contact
- Water level at Pak ka ngoung gauge is 11.50 m at 08:00 am it is seen that water level has increased 45 cm
- Water level at Bounghphao gauge has increased 60 cm compared to 08:00 am yesterday morning
- Water level at Ban Cheng gauge has increased 86 cm compared to 08:00 am yesterday morning
- Water level at Ban Choom gauge can not contact
- Water level at Ban Tanpiow gauge has increased 50 cm compared to 08:00 am yesterday morning
- Water level at Ban Hatsuan gauge can not contact
- Water level at Vernkham gauge is 13.12 m at 08:00 am it is seen that water level has increased 6 cm (13.06)

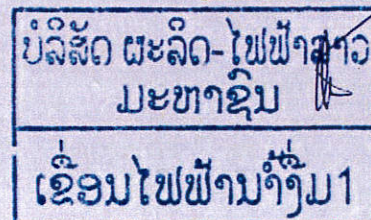
Remarks



Remarks	Reservoir Water Level
Dangerous level	= 215.0 m.asl
Warning level	= 214.0 m.asl
Full supply Level	= 212.3 m.asl
Normal level	= 212.0 m.asl

Tail water level
175.00 m.asl
173.00 m.asl
172.00 m.asl
167.50 m.asl

Director of NamNgum-1 HPP



Buavanh CHANSAVATH
Director