

Lao People's Democratic Republic  
Peace Independence Democracy Unity prosperity

EDL-GENERATION PUBLIC COMPANY  
NamNgum-1 HPP



No : 3162  
NamNgum-1, Date: 28 AUG 2018

Reservoir Water Situation Reports of NamNgum-1  
Date : 28/08/2018 at 08:00 AM

1. Reservoir water level and Tail water level

- Reservoir water level 212.44 m.asl, Reservoir water Volume = 7,153,793,600 m<sup>3</sup> , Water level has increased 3 cm compared to 08:00 am yesterday morning
- Tail water level 171.7 m.asl has decreased 5 cm compared to 08:00 am yesterday morning

2. Reservoir Inflow and Outflow of NamNgum-1 HPP

- A. Reservoir Inflow = 1,881.25 m<sup>3</sup>/s = 162,539,880 m<sup>3</sup>/day  
All amount included: -inflow from NNG-2 = 1,633.1 m<sup>3</sup>/s = 141,100,000 m<sup>3</sup>/day  
- inflow from others sources = 248.15 m<sup>3</sup>/s = 21,440,160 m<sup>3</sup>/day  
B. Reservoir Outflow = 1,768.18 m<sup>3</sup>/s = 152,770,680 m<sup>3</sup>/day  
All amount included: - Turbines Discharge = 610.47 m<sup>3</sup>/s = 52,744,464 m<sup>3</sup>/day  
- Spillway Discharge = 1,157.71 m<sup>3</sup>/s = 100,026,216 m<sup>3</sup>/day  
- At 15:00 am 26/08/2018 decreased Hight of Spillways gate opened from 3.3 m to 3.0 m, Spillways discharge = 1,152.6 m<sup>3</sup>/s  
- Rainfall at NamNgum1 Raingauge is 0 mm

3. Reservoir Water Balance ( A-B) = 113.07 m<sup>3</sup>/s = 9,769,248 m<sup>3</sup>/day

Therefore : Reservoir water level has increased 3 cm/Day

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

- Water level at Pak ka ngoung gauge is 11.26 m at 08:00 am is seen that water level has decreased 44 cm compared to 08:00 am yesterday morning
- Water level at Vernkham gauge is 12.71 m at 08:00 am is seen that water level has increased 15 cm compared to 08:00 am yesterday morning
- Water level at Hinhuep gauge is 7.36 m is seen that water level has decreased 1.29 m compared to 08:00 am yesterday morning
- Water level at Ban Hatsuan gauge can't contact.
- Water level at Ban Tanpiow gauge has increased 10 cm compared to 08:00 am yesterday morning
- Water level at Ban Choom gauge not change compared to 08:00 am yesterday morning
- Water level at Ban Cheng gauge has decreased 70 cm compared to 08:00 am yesterday morning
- Water level at Bounghphao gauge can't contact.

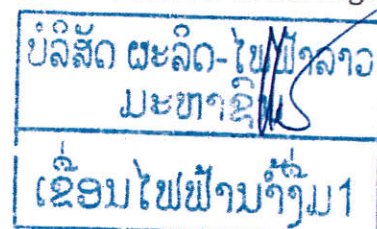
Reservoir Water Level legend

- Reservoir dangerous level = 214.0 m.asl
- Full supply Level = 212.3 m.asl
- Minimum Reservoir Level = 196.0 m.asl

Tail water level

- Dangerous level 174.0 m.asl
- Warning level 170.0 m.asl
- Lower level 164.0 m.asl

Director of NamNgum-1 HPP



Buavanh CHANSAVATH  
Director