

Lao People's Democratic Republic
Peace Independence Democracy Unity prosperity

EDL-GENERATION PUBLIC COMPANY
NamNgum-1 HPP



No : 3180
NamNgum-1, Date: 30 AUG 2018

Reservoir Water Situation Reports of NamNgum-1

Date : 30/08/2018 at 08:00 AM

1. Reservoir water level and Tail water level
 - Reservoir water level 212.44 m.asl, Reservoir water Volume = 7,153,794,000 m³ , Water level has decreased 2 cm compared to 08:00 am yesterday morning
 - Tail water level 171.35 m.asl has decreased 15 cm compared to 08:00 am yesterday morning
2. Reservoir Inflow and Outflow of NamNgum-1 HPP
 - A. Reservoir Inflow = 1,512.9 m³/s = 130,714,592 m³/day
 All amount included: -inflow from NNG-2 = 957.4 m³/s = 82,720,000 m³/day
 (At 10:00 AM 29/09/2018, the Height of Spillways gate opened has been decreased from 1.8 m to 1.2 m, at 16:00 PM, the Height of Spillways gate opened has been decreased from 1.2 m to 0 m)
 - inflow from others sources = 555.5 m³/s = 47,995,200 m³/day
 - B. Reservoir Outflow = 1,588.3 m³/s = 137,227,392 m³/day
 All amount included: - Turbines Discharge = 559.4 m³/s = 48,328,560 m³/day
 - Spillway Discharge = 1,028.9 m³/s = 88,898,832 m³/day
 - At 10:30 AM 29/08/2018, the Height of Spillways gate opened has been decreased from 3.0 m to 2.60 m, Spillways discharge = 1,016.1 m³/s
 - Rainfall at NamNgum1 Raingauge is 11.0 mm
 - C. Pak ka ngoung gauge the water level at 10.40 m
 - Flow at Pak ka ngoung gauge Qpn= 2,674.4 m³/s
 All amount included: - Flow from NamNgum 1 (Qng1)= 1,588.3 m³/s
 - Flow from Nam Song River (Qns) = 322.2 m³/s
 - Flow fom Nam Lik1-2 (Qnl1-2)= 431.6 m³/s
 (increased spillway gate opened from 2.0 m to 2.5m)
 - Flow from others small tributeries (Q) = 332.3 m³/s
3. Reservoir Water Balance (A-B) = (-75.4) m³/s = (-6,512,832) m³/day
 Therefore : Reservoir water level has decreased 2 cm/Day
4. Streamgauge data along NNG Downstream River compared to 08:00 AM yesterday morning as follow:
 - Water level at Hinhuep guage is 7.36 m it is seen that water level has decreased 36 cm
 - Water level at Pak ka ngoung guage is 10.40 m at 08:00 am it is seen that water level has decreased 78 cm
 - Water level at Bounghphao gauge has decreased 12 cm compared to 08:00 AM yesterday morning
 - Water level at Ban Cheng gauge has decreased 10 cm compared to 08:00 AM yesterday morning
 - Water level at Ban Choom gauge does not change compared to 08:00 am yesterday morning
 - Water level at Ban Tanpiow ຊູນປຶ້ງ gauge cannot contact
 - Water level at Ban Hatsuan gauge has increased 2 cm compared to 08:00 AM yesterday morning
 - Water level at Vernkham guage is 12.84 m at 08:00 am it is seen that water level has increased 6 cm

Remarks



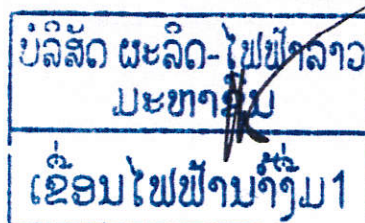
Reservoir Water Level

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

Tail water level

167.50 m.asl
 172.00 m.asl
 173.00 m.asl
 175.00 m.asl

Director of NamNgum-1 HPP



Buavanh CHANSAVATH
Director