

Lao People's Democratic Republic
Peace Independence Democracy Unity prosperity

EDL-GENERATION PUBLIC COMPANY
NamNgum-1 HPP



No : 3317.....
NamNgum-1, Date: 06 SEP 2018

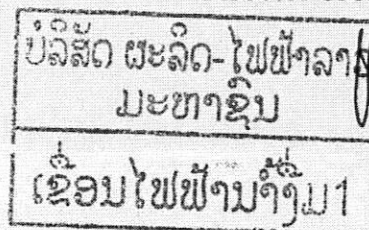
Reservoir Water Situation Reports of NamNgum-1

Date : 6/09/2018 at 08:00 AM

1. Reservoir water level and Tail water level
 - Reservoir water level 212.81 m.asl, Reservoir water Volume = 7,274,282,400 m³ , Water level has decreased 29 cm compared to 08:00 am yesterday morning
 - Tail water level 172.70 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 = 1,508 m³/s = 21,715,200 m³/day
 - All amount included: - inflow from NNG-2 = 946.53 m³/s = 13,630,032 m³/day
 - (At 08:00 PM 5/09/2018, the Height of Spillways gate opened has been reduced from 1.5 m to 0.9 m)
 - inflow from others sources = 561.47 m³/s = 8,085,168 m³/day
 - B. Reservoir Outflow = 2,261.6 m³/s = 32,567,184 m³/day
 - All amount included: - Turbines Discharge = 553.82 m³/s = 7,975,008 m³/day
 - Spillway Discharge = 1,707.79 m³/s = 2,459,2176 m³/day
 - At 07:30 Pm 6/09/2018, the Height of Spillways gate opened has been reduced from 4.5 m to 4.0 m, Spillways discharge = 1,697.66 m³/s
 - Rainfall at NamNgum1 Raingauge is 0 mm
 - C. Pak ka ngoung gauge the water level at 12.28 m
 - Flow at Pak ka ngoung gauge (Qpn) = 3,539.05 m³/s
 - All amount included: - Flow from NamNgum 1 (Qng1) = 2,261.6 m³/s
 - Flow from Nam Song River (Qns) = 434.45 m³/s
 - Flow fom Nam Lik1-2 (Qnl1-2) = 287.2 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) = 555.8 m³/s
3. Reservoir Water Balance (A-B) = -753.61 m³/s = 10,851,984 m³/day
Therefore : Reservoir water level has decreased 29 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 is 8.67 m at 08:00 am it is seen that water level has decreased 2.43 m (11.1 m)
 - Water level at Pakkangoung gauge is 12.28 m at 08:00 am it is seen that water level has decreased 22cm(12.5
 - Water level at Bounghphao gauge has decreased 10.5 cm compared to 08:00 am yesterday morning *Awika*
 - Water level at Ban Cheng gauge has increased 15 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 13.50 m at 08:00 am it is seen that water level has increased 26cm(13.24m

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