Lao People's Democratic Republic
Peace Independence Democracy Unity prosperity

EDL-GENERATION PUBLIC COMPANY
NamNgum-1 HPP

No : 3127
NamNgum-1, Date: 27 AUG 2018

Reservoir Water Situation Reports of NamNgum-1
Date : 27/08/2018 at 08:00 AM

1. Reservoir water level and Tail water level

- Reservoir water level 212.41 m.asl, Reservoir water Volume = 7,144,024,400 m³ , Water level inecrease 16 cm compared to 08:00 am yesterday morning
- Tail water level 172.2 m.asl is not change compared to 08:00 am yesterday morning

2. Reservoir Inflow and Outflow of NamNgum-1 HPP

A. Reservoir Inflow	= 2,353.30 m³/s	= 203,325,368 m³/day
All amount included: -inflow from NNG-2	= 1,847.3 m³/s	= 159,610,000 m³/day
- inflow from others sources	= 506.0 m³/s	= 43,718,400 m³/day
B. Reservoir Outflow	= 1,750.26 m3/s	= 151,222,464 m³/day
All amount included: - Turbines Discharge	= 576.55 m³/s	= 49,814,280 m³/day
- Spillway Discharge	= 1,173.71 m³/s	= 101,408,688 m³/day

- At 15:00 am 26/08/2018 decreased Higt of Spillways gate opened from 3.3 m to 3.0 m, Spillways discharge = 1,152.6 m³/s
- Rainfall at NamNgum1 Raingauge is 46.75 mm

3. Reservoir Water Balance (A-B) = 603.04 m³/s = 52,102,656 m³/day
Therefore : Reservoir water level has increased 16 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 11.70 m at 08:00 am is seen that water level increased 10 cm compared to 08:00 am yesterday morning
- Water level at Vernkham gauge is 12.56 m at 08:00 am is seen that water level has increased 22 cm compared to 08:00 am yesterday morning
- Water level at Hinhuep gauge is 8.55 m is seen that water level has decreased 1.29 m compared to 08:00 am yesterday morning
- Water level at Ban Hatsuan gauge has increased 24 cm compared to 08:00 am yesterday morning
- Water level at Ban Tanpiow gauge has increased 22 cm compared to 08:00 am yesterday morning
- Water level at Ban Choom gauge has increased 14 cm compared to 08:00 am yesterday morning
- Water level at Ban Cheng gauge has increased 20 cm compared to 08:00 am yesterday morning
- Water level at Boungphao gauge has increased 02 cm compared to 08:00 am yesterday morning

Reservoir Water Level legend - Reservoir water level 212.40 m.asl, at 0:00 pm to 8:00 am Water level inecrease 1 cm

- Water level at Pak ka ngoung gauge is 11.84 m at 18:00 pm to 8:00 am is seen that water level decreased 14 cm

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

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Buavanh CHANSAVATH
Director