

Lao People's Democratic Republic
Peace Independence Democracy Unity prosperity

EDL-GENERATION PUBLIC COMPANY
NamNgum-1 HPP



No : 3570.....
NamNgum-1, Date: 28 SEP 20

Reservoir Water Situation Reports of NamNgum-1
Date : 28/09/2018 at 08:00 AM

1. Reservoir water level and Tail water level

- Reservoir water level 212.42 m.asl, Reservoir water Volume = 7,147,280,800 m³ , Water level has not change compared to 08:00 am yesterday morning
- Tail water level 168.0 m.asl has not change compared to 08:00 am yesterday morning

2. Reservoir Inflow and Outflow of NamNgum-1 HPP

A. Reservoir Inflow = 689.5 m³/s = 59,572,800 m³/day

All amount included: - inflow from NNG-2 = 446 m³/s = 38,534,400 m³/day

- inflow from others sources = 243.5 m³/s = 21,038,400 m³/day

B. Reservoir Outflow = 689.5 m³/s = 59,572,800 m³/day

All amount included: - Turbines Discharge = 564.9 m³/s = 48,807,360 m³/day

- Spillway Discharge = 124.6 m³/s = 10,765,440 m³/day

- the Height of Spillways gate opened 30 cm Spillways discharge = 124.6 m³/s

- Rainfall at NamNgum 1 Raingauge is 0 mm

C. Pak ka ngoung gauge the water level at 5.64 m

- Flow at Pak ka ngoung gauge (Qpn) = 941.6 m³/s

All amount included: - Flow from NamNgum 1 (Qng1) = 689.5 m³/s

- Flow from Nam Song River (Qns) = 11.3 m³/s

- Flow fom Nam Lik1-2 (Qnl1-2) = 136 m³/s

- Flow from others small tributeries (Q) = 104.8 m³/s

3. Reservoir Water Balance (A-B) = 0 m³/s = 0 m³/day

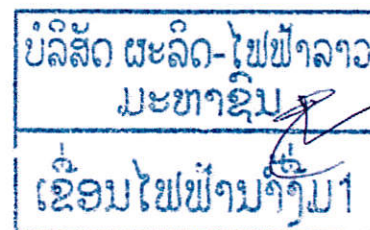
Therefore : Reservoir water level has not change

4. Streamgauge data along Namlik river and NamNgum Downstream River compared to 08:00 AM yesterday morning as follow:

- Water level at Pakkangoung gauge is 5.64 m at 08:00 am it is seen that water level has not change (5.64 m)
- Water level at Vernkham gauge is 6.75 m at 08:00 am it is seen that water level has decreased 35 cm (7.10 m)

Director of NamNgum-1 HPP

| 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 |



Somchay SICHANTHALATH
Deputy Director