

Lao People's Democratic Republic
Peace Independence Democracy Unity prosperity

EDL-GENERATION PUBLIC COMPANY
NamNgum-1 HPP



No : 3577.....
NamNgum-1, Date: 01 OCT 2018

Reservoir Water Situation Reports of NamNgum-1

Date : 01/10/2018 at 08:00 AM

1. Reservoir water level and Tail water level

- Reservoir water level 212.46 m.asl, Reservoir water Volume = 7,160,306,400 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 = 612.9 m³/s = 52,955,784 m³/day
 All amount included: - inflow from NNG-2 = 330.3 m³/s = 25,540,000 m³/day
 - inflow from others sources = 282.6 m³/s = 24,416,640 m³/day

B. Reservoir Outflow = 612.9 m³/s = 52,955,784 m³/day
 All amount included: - Turbines Discharge = 488.1 m³/s = 42,167,880 m³/day
 - Spillway Discharge = 124.8 m³/s = 10,787,904 m³/day

- the Height of Spillways gate opened 30 cm Spillways discharge = 124.8 m³/s
- Rainfall at NamNgum 1 Raingauge is 0 mm

C. Pak ka ngoung gauge the water level at 5.90 m

- Flow at Pak ka ngoung gauge (Qpn) = 1,017.7 m³/s

All amount included: - Flow from NamNgum 1 (Qng1) = 612.9 m³/s
 - Flow from Nam Song River (Qns) = 40.8 m³/s
 - Flow fom Nam Lik1-2 (Qnl1-2) = 136.7 m³/s
 - Flow from others small tributeries (Q) = 227.3 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:

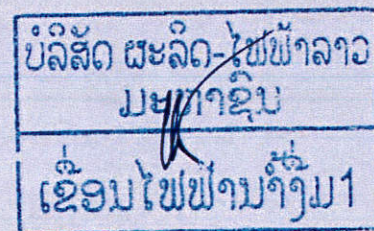
- Water level at Pakkangoung gauge is 5.90 m at 08:00 am it is seen that water level has increased 26 cm (5.64 m)
- Water level at Vernkham gauge is 6.62 m at 08:00 am it is seen that water level has increased 27 cm (6.35 m)

Anita

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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 |



Buavanh CHANSAVATH
Director