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National Center for Hydrology and Meteorology  
Thimphu: Bhutan  
FLOOD STATUS #43



Update-04

Issue Date/time: 24<sup>th</sup> June, 2019/21:00 (valid until the next issuance)

### 1. WEATHER FORECAST:

According to weather forecast for the next 24 hours issued at 2100 hours on 24<sup>th</sup> June, 2019: The weather condition over the country is likely to be partly to mostly cloudy to cloudy with light rain accompanied with thunderstorms & lightning during next 72 hours.

### 2. GLACIER LAKE OUTBURST FLOOD (GLOF) EARLY WARNING SYSTEM:

#### 2.1 Automatic Water Level Station (AWLS) on Thorthormi Lake:

The damaged Automatic Water Level Station (AWLS) on Thorthormi Lake located on the Subsidiary Lake 2 was relocated to Subsidiary Lake 1. The reinstallation work of AWLS on Thorthormi lake was successfully completed today (24 June 2019) evening by the NCHM team with the support from Principal and teachers from Lhedi Primary School and BHU staff. NCHM would like to thank Principal, teachers, Health Assistant (HA) and other staff for extending their support for immediate restoration of the AWLS. Thorthormi AWLS has started transmitting water level data automatically to Wangdi GLOF Control and NCHM HQ, Thimphu starting from 17:10 hours. Detail water levels are given below.

Time	Water level	Remarks
17:10 to 18:10 hours	6.20 m	Sunny weather was reported during the day
18:15 to 19:05	6.19 m	
19:20 to 20:00	6.18 m	Cloudy with light rain reported on the ground in the evening

#### 2.2 Automatic Water Level Station (AWLS) at Thanza:

NCHM team plans to carry out the repair and maintenance of the Thanza Automatic Water Level Station (AWLS) tomorrow.

### 3. MANUAL OBSERVATION AND MONITORING OF THORTHORMI LAKE

Manual/visual monitoring of Thorthormi Lake with the staff deployed at Lake Site with additional manpower (technician) dispatched from Wangdue Control Room will continue today.

With the successful completion of relocation of Automatic Water Level Station (AWLS) damaged by 21 June 2019 flood incident at Thorthormi lake by today evening the manual observation of water of Thorthormi Lake will be called off from tomorrow. However, monitoring of lakes will be continued from Wangdue GLOF Control Room and National Weather and Flood Warning Center (NWFWC), NCHM, HQ, Thimphu. Manual observation and monitoring of Water level at Thanza will be continued for 24/7 supplementing Control Rooms monitoring.



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#### 4. IMPACT/ADVISORY:

There is not much significant change in water level, however due to the breaching of subsidiary lake 2, the stability of moraine dam of the main Thorthormi Lake is likely to be more uncertain. Therefore, people living along the Phochu River and downstream are requested to be vigilant.

The daily flood level is updated on our website: [www.nchm.gov.bt](http://www.nchm.gov.bt)

and Face book: <https://www.facebook.com/NationalCenterforHydrologyandMeteorology/>

For further information contact National Center for Hydrology and Meteorology (NCHM) at: Tel. 02338442, Mobile: 17128052 Email: [fmcr@nchm.gov.bt](mailto:fmcr@nchm.gov.bt)



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## National Center for Hydrology and Meteorology Thimphu: Bhutan



*Picture 1: View of the Thor Thormi Lake taken today 24/6/2019*



*Picture 2: Photo of NCHM Team and other support staff taken after successfully relocation of AWLS at Subsidiary lake 1 of Thor Thormi Lake (24/06/2-19)*