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National Center for Hydrology and Meteorology Thimphu: Bhutan



FLOOD OUTLOOK #42

Issue date: 3 May 2019

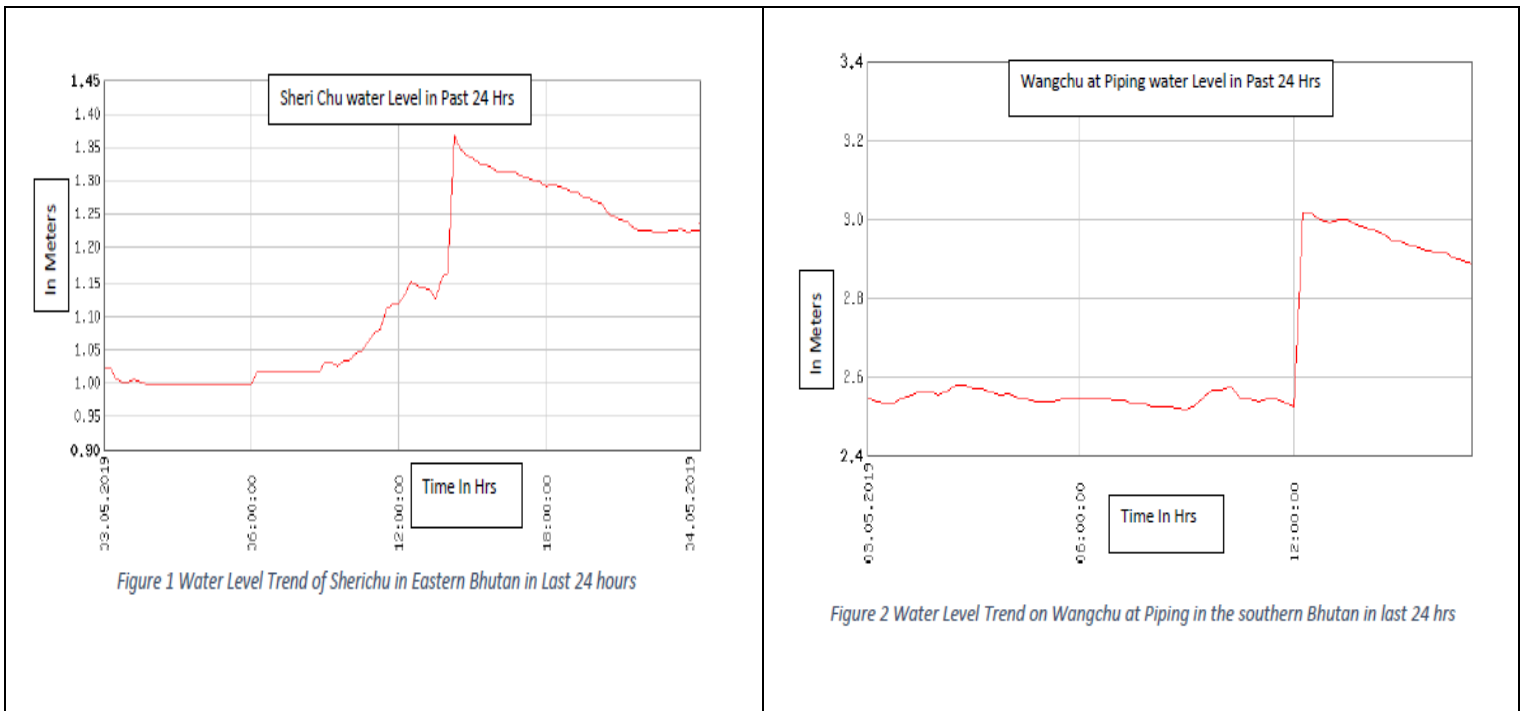
Time: 11 PM (valid till the next issuance)

1. WEATHER FORECAST:

In accordance to the **Weather Report and Forecast** issued at 11:52 PM on 3rd may, the Extremely Severe Cyclonic Storm “FANI” over northwest & adjoining West-central Bay of Bengal and made landfall over Odisha (Puri) from 8:00 am and expected to cross by 12:00 noon from location. The system is very likely to continue to move north-northeastwards, weaken gradually and emerge into Gangetic West Bengal as a Severe Cyclonic Storm with wind speed of 90-100 Kmph gusting to 115 Kmph by early morning of 4th May. It is very likely to move further north-northeastwards and emerge into Bangladesh on 4th May evening as a Cyclonic Storm with wind speed 60-70 Kmph gusting to 80 Kmph.

2. FLOOD OBSERVATION AND MONITORING:

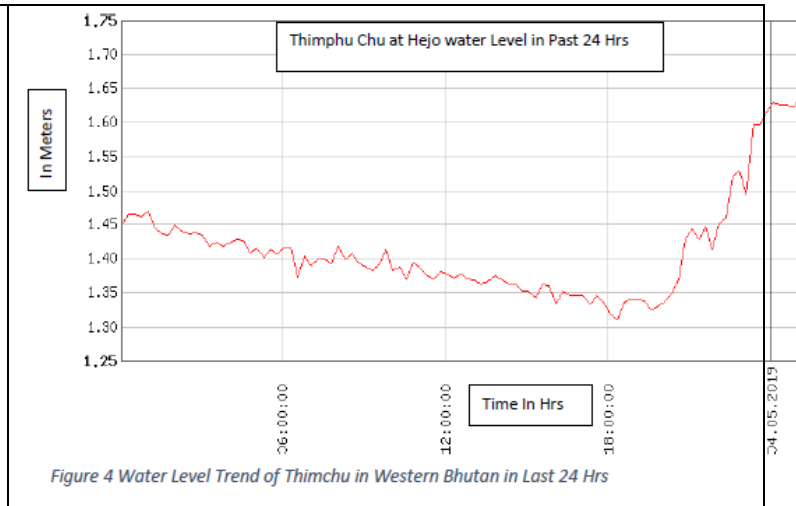
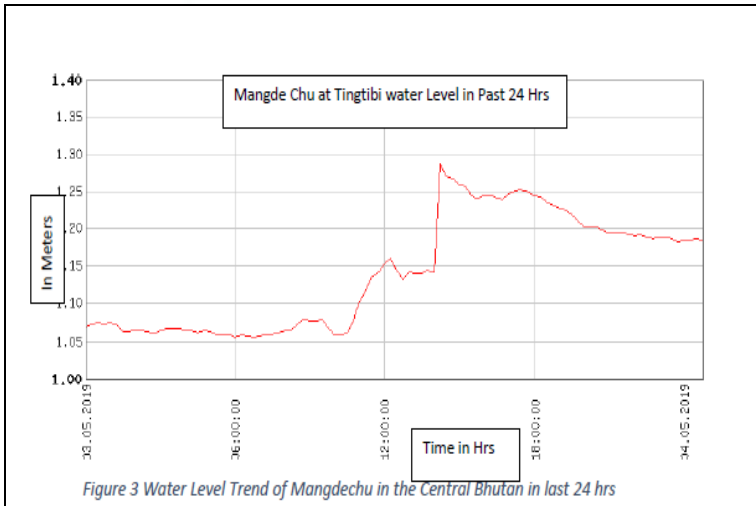
In general, most of the rivers that are being monitored shows slight rising trend across the country in last 24 hours as shown in the following graphical presentation from few selected gauging stations:





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

No significant changes are being observed in any of the GLOF monitoring stations as shown below:

3.1 Punatshangchu Basin (Phochu & Mochu sub Basin)

River	Site Name	Update Time	Water Level	Alert	Alarm	Rate of Change
PHOCHU	Luggy-AWLS	May 4, 2019 2:05 AM	6.29	7.8	10.0	0.68
PHOCHU	Thorthormi-AWLS	May 4, 2019 2:05 AM	6.4	7.5	5.0	-3.0
PHOCHU	Rapstreng-AWLS	May 4, 2019 2:00 AM	6.14	7.4	5.0	-1.5
PHOCHU	Bay-Tsho-AWLS	May 4, 2019 2:05 AM	6.19	7.4	5.0	-4.0
PHOCHU	Thanza-AWS	May 4, 2019 2:00 AM	6.23	7.7	8.7	1.0
PHOCHU	Tarina-Wachey-AWS	May 4, 2019 1:00 AM	6.65	8.5	10.5	1.0
PHOCHU	Dangsa-AWS	May 4, 2019 2:00 AM	4.13	5.5	7.0	1.0
MOCHU	Taktsemakhang-Laya-AWS	May 4, 2019 2:00 AM	5.43	7.5	8.5	1.0
MOCHU	Tashithang-AWLS	May 4, 2019 2:00 AM	6.17	9.0	10.5	1.0
MOCHU	Yebesa-AWLS	May 4, 2019 2:00 AM	1.84	5.0	7.0	1.0

Within Permissible Level
Alert Level
Alarm Level
Not Active



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3.2 Glacier Lake Outburst Flood (GLOF) and Rainstorm Flood Early Warning System on Chamkharchu sub-basin:

Sl.#	Name of Station	River	Historical Max. Water Level (m)	Danger/Alarm Water Level (m)	Water Level (m) recorded at 9:00 AM Today	Water Level (m) recorded at 11:00 PM Today
1	Tsampa	Chamkharchu		6.50	3.79	3.79
2	Khagtang			6.00	4.58	4.66
3	Kurjey		5.72	5.00	2.06	2.23
NORMAL						
ALERT						
ALARM						

3.3 Glacier Lake Outburst Flood (GLOF) and Rainstorm Flood Early Warning System on Mangdechhu sub-basin:

Sl.#	Name of Station	River	Historical Max. Water Level (m)	Danger/Alarm Water Level (m)	Water Level (m) recorded at 9:00 AM Today	Water Level (m) recorded at 11:00 PM Today
1	Jongthang	Mangdechhu		7.00	3.31	3.3
2	Bjizam		5.52	5.50	2.22	2.44
NORMAL						
ALERT						
ALARM						

4. FLOOD OUTLOOK:

Due to heavy to very heavy rainfall forecast, the flow forecast for most of the rivers indicates increasing trend as summarized below:

Amochhu Basin	The Water levels in Amochu Basin are in rising trend
Wangchhu Basin	The Water levels in Wangchhu Basin are in rising trend.
Punastangchhu Basin	The Water levels in Punatsangchu Basin are in rising trend.
Mangdechhu Sub-Basin	The Water levels in Mangdechhu Basin are in rising trend.
Chamkharchhu Sub-Basin	The Water levels in Chamkharchhu Basin are in rising trend.
Kurichu Sub-Basin	The Water levels in Kurichu Basin are in rising trend.
Gongrichu/ Drangmechhu Basin	The Water levels Gongrichu/ Drangmechhu Basin are in rising trend.



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5. IMPACT/ADVISORY:

Flash Flooding, Riverine Flooding and Landslides are likely over the eastern and southern part of the country due to very heavy rainfall. Therefore, people living along the river reaches of above basins, Close to mountain slopes, in the low-lying areas of southern foot hills and commuters (travelers) are advised to be ALERT with Floods and Landslides. If flash floodings are observed, move away to higher grounds from flood waters and do not stay in areas subject to flooding when water begins rising.

Regions	Dzongkhag
Northern	Gasa
Western	Thimphu, Paro, Haa, Punakha and Wangdiphodrang
Central	Bumthang, Trongsa, Zhemgang, Dagana and Tsirang
Eastern	Trashigang, Trashi Yangtse, Pema Gatshel, Monggar and Lhuentse
Southern	Samtse, Chukha, Sarpang and Samdrup Jongkhar

We are closely monitoring the situation and if there are any significant changes we will informed.

The daily flood level is updated on our website: www.nchm.gov.bt and Facebook: <https://www.facebook.com/NationalCenterforHydrologyandMeteorology/>

For further information contact Flood Monitoring and Command Room (FMCR), National Weather and Flood Warning Center (NWFWC), National Center for Hydrology and Meteorology (NCHM) at: Tel. 02-338442, Mobile: 17128052, Email: fmcr@nchm.gov.bt

National Center for Hydrology and Meteorology (NCHM)