



NCHM/NWFWC/Weather Reports/2021-22/09

Date: 16th August 2021

WEATHER INFORMATION REPORT

		Information:
1	Type of extreme weather:	Heavy rainfall.
2	Date:	11th August 2021 - 14th August 2021.
3	Location:	Isolated places of southern, eastern and northern parts of the country.
4	Cause:	Shift of eastern end of monsoon trough towards the Himalaya foothills.

24 hours accumulated rainfall recorded at class A stations:

	Date	Rainfall observed	Location	Impacts reported
a)	11 August 2021	Extremely heavy rain	Bhur (194.5 mm)	1. Roadblocks at Sarpang dzongkhag.
		Very heavy rain	Sipsu (71.4 mm) Phuentsholing (122.6 mm)	
		Heavy rain	Gasa (42.8 mm) Tsirang (36.0 mm) Zhemgang (32.5 mm)	
b)	12 August 2021	Heavy rain	Gelephu (32.2 mm)	1. Flash floods damaged a temporary bailey bridge near the domestic airport in Gelephu at around 5 am in the morning. 2. Roadblocks at Sarpang & Gyelposhing- Nganglam Highway.
c)	13 August 2021	Extremely heavy rain	Gelephu (191.4 mm)	1. Roadblocks at Sarpang, Samdrup Jonkhar, Pemagatshel & Tashigang.
		Very heavy	Pemagatshel (97.2 mm)	



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 National Center for Hydrology and Meteorology
 Royal Government of Bhutan



		rain	Phuentsholing (136.5 mm)	
		Heavy rain	Kanglung (35.4 mm) Deothang (56.0 mm) Samtse (40.8 mm)	
d)	14 August 2021	Very heavy rain	Gelephu (90.2 mm) Samtse (92.2 mm) Phuentsholing (78.6 mm)	1. Roadblocks at Phuentsholing, Samdrup Jongkhar & Gelephu. 2. Risky road conditions due to falling boulders at Zhemgang.
		Heavy rain	Deothang (54.8 mm)	
Rainfall Information: 24 hours accumulated rainfall from Class A station of 20 Dzongkhags. Source of the Impacts: BBS, Kuensel and Department of Road (DoR). Relevant information and pictures in Annexure I.				



Annexure I:

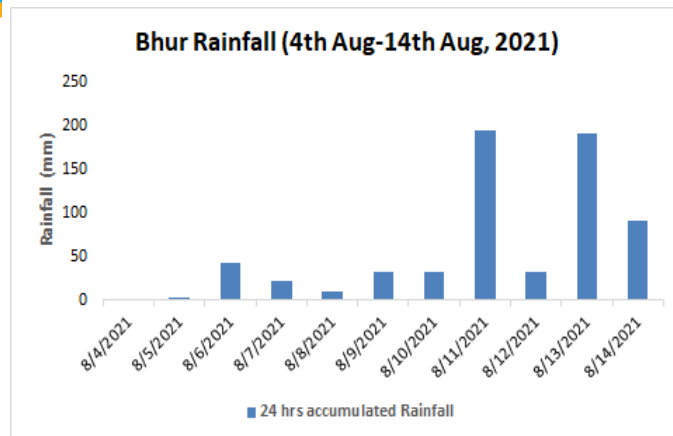
1) Flash flood at Gelephu

A flash flood triggered by incessant rainfall (from 5th August to 12th August) damaged a temporary Bailey bridge near the domestic airport in Gelephu at around 5 am in the morning of 12th August. Gelephu recorded extremely heavy rainfall of 194.5 mm on 11th August, 2021. The flood also damaged the protection wall. The estimated cost of damage is reported around Nu 600,000.

THAT THE PEOPLE SHALL BE INFORMED
FRIDAY, AUGUST 13, 2021 • Nu 20



► A Bailey bridge near the domestic airport in Gelephu collapsed at around 5am yesterday. The highway opened to traffic after a bypass was constructed. No casualties were reported. > Pg 7



Information & Image source: Kuensel

2) Roadblocks

Few roadblocks were reported in the southern, central and eastern parts of the country.

BBS
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Just in:
Due to heavy and continuous rainfall for the past two days in Pema Gatshei, most of the road points at Pema Gatshei-Nganglam highway are closed to traffic today. The road at Bongburi between Dungmead gewog center and Langyeri village was washed away last night.... See More



BBS
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#RoadblockReports

The Gelephu -Trongsa highway is blocked at box cutting due to the heavy rainfall yesterday. The base of the road is completely washed away, and there are reports of minor blockages at different locations along the highway. As per the traffic police, the highway is expected to open by afternoon if the weather improves.



Heavy rain swept down Bongburi Road(Left) & Road block at Gelephu-Trongsa highway. (Image source: BBS)