



NCHM/NFWFC/Weather Reports/2021-22/12

Date: 30th August 2021

WEATHER INFORMATION REPORT

		Information:
1	Type of extreme weather:	Heavy rainfall.
2	Date:	23rd August 2021 - 28th August 2021.
3	Location:	Isolated places of the country.
4	Cause:	Shift of eastern end of monsoon trough towards the Himalaya foothills.

Weather summary:

The eastern end of monsoon trough moved VERY CLOSE to the foothills of Himalaya on 25th of August. As a result, heavy rainfall was received over the isolated places of southern, eastern and northern parts of the country from early morning of 25th August and lasting till 27th of August 2021. The monsoon trough shifted southwards on August 27th, and the intensity of rainfall decreased starting from 28th of August, with just one or two locations receiving heavy rainfall of not more than 54 mm. More details of the rainfall recorded is highlighted in table 1.

Table 1. 24 hours accumulated rainfall recorded at class A stations:

	Date	Rainfall observed	Location	Impacts reported
a)	23 August 2021	Heavy rainfall	Samtse (35.2 mm)	1) Few roadblocks at isolated places in southern parts of the country.
b)	24 August 2021	Extremely heavy rain	Bhur (214.2 mm)	1) Few roadblocks at isolated places in southern and eastern parts of the country.
		Very heavy rain	Sipsu (144.8 mm) Phuentsholing (130.2 mm) Deothang (82.6 mm)	
		Heavy rain	Pemagatshel (68.2 mm)	



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c)	25 August 2021	Extremely heavy rain	Bhur (245 mm)	<ol style="list-style-type: none"> 1) Flood damaged water treatment plant in Gelephu on 25th August night. 2) Many roadblocks at isolated places in southern and eastern parts of the country.
		Very heavy rain	Phuentsholing (143.9 mm) Sibiu (89.6 mm) Pemagatshel (81.8 mm)	
		Heavy rain	Deothang (37.2 mm) Kanglung (35.8 mm) Gasa (31.2 mm)	
c)	26 August 2021	Very heavy rain	Sibsu (87.2 mm)	<ol style="list-style-type: none"> 1) Flash floods in Gasa washed away gasa tshachu. 2) Landslide claims 3 lives in Pemagatshel. 3) Falling boulder damaged a shop in Mongar. 4) Few roadblocks at isolated places of southern and eastern parts of the country.
		Heavy rain	Deothang (57.4 mm) Bhur (52.0 mm) Phuentsholing (45.6 mm)	
d)	27 August 2021	Very heavy rain	Bhur (75.0 mm)	<ol style="list-style-type: none"> 1) Few roadblocks at isolated places of the southern and eastern parts of the country.
		Heavy rain	Phuentsholing (69.3 mm) Sibsu (48.4 mm) Tsirang (40.0 mm) Dagana (37.0 mm) Wangdue (36.4 mm) Trongsa (33.0 mm)	
e)	28 August 2021	Heavy rain	Phuentsholing (53.5 mm) Sibsu (47.2 mm)	<ol style="list-style-type: none"> 1) Few roadblocks at the isolated places of southern, eastern and central parts of the country.
f)	29 August 2021	Very light to moderate rain of not more than 15.6 mm over one/two places in the south.		



Rainfall Information: 24 hours accumulated rainfall (record time 9AM in the morning) from Class A station of 20 Dzongkhags.

Source of the Impacts: BBS, Kuensel, Department of Road (DoR), Gelephu Thromde & other social media pages.


Relevant information and pictures in Annexure I.

Annexure I:

1) Flash flood at Gasa and Gelephu

Gasa tshachu nestled on the left bank of Mochhu was washed away on the early morning of 26th August. Gasa received heavy rainfall of 31.2 mm on 25th of August (rainfall recorded from 9 AM of 25th till 9 AM of 26th August).


Similarly, the flood on 25th August in Gelephu destroyed the water treatment plant in gelephu. Gelephu received extremely heavy rainfall of more than 200 mm on both 24th and 25th August.



Kuensel 13m · 🌐

Gasa tshachu that nestles on the left bank of Mochhu had been washed away early morning today. Sources said that the entire ponds have been removed. However, there are no reports of casualties for now.

Video: social media





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ROYAL GOVERNMENT OF BHUTAN
GELEPHU THROMDE

PUBLIC NOTIFICATION

This is to notify the residents of Gelephu Throm that due to continuous heavy rainfall for the past few days, the Water Treatment Plant at Mochhu, Gelephu, despite ensuring possible flood protection measures, was destroyed by the raging flood last night on 25th August 2021. On account of this, there will be water supply disruption for the Thromde residents for few days.

However, the Thromde Water Supply Team and the Management is consistently taking up immediate restoration works and will ensure that the Thromde residents receive the water supply as usual at the earliest possible.

Information & Image source: Kuensel (Left) & Gelephu thromde (right)

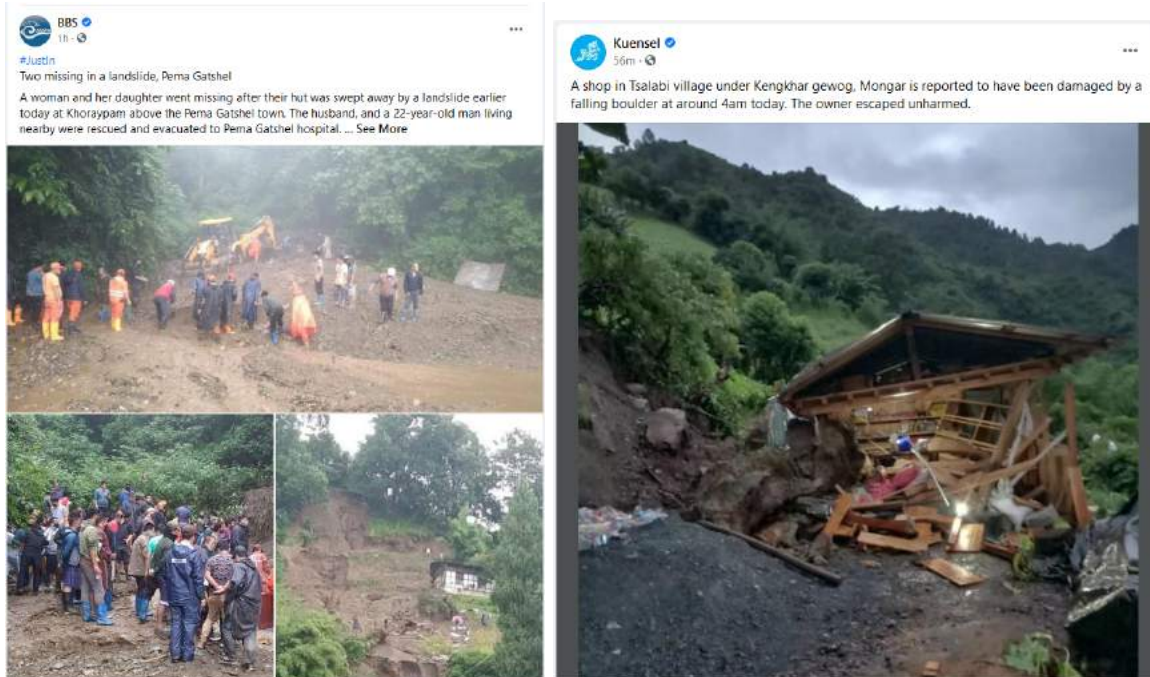
2) Landslide

On August 26, 2021, a landslide killed three people in PemaGatshel. The landslide washed away the hut they were living in. Pemagatshel received heavy rainfall on 24th August and very heavy



rainfall of 81.8mm on 25th August (rainfall recorded from 9 AM of 25th till 9 AM of 26th August).

Similarly, a shop in Tsalabi village under Kengkhar gewog, Mongar was damaged by a falling boulder on 26th August, 2021.



Information & Image source: BBS and Kuensel

3) Roadblocks

Several roadblocks were reported in the isolated places of southern, central and eastern parts of the country.



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National Center for Hydrology and Meteorology
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BBS
26 August at 17:05 · 🌐

#roadblockupdates

Namla road block cleared

The Namla road is now open to traffic. The block was cleared towards this evening after four days. ... See more



Department of Roads, Royal Government of Bhutan
26 August at 08:46 · 🌐

Road information update for RO, SJ:

With Onset of Monsoon and as forecasted, Monsoon has wrecked havoc with multiple blocks as under.

1. Several road block reported on KKTY SNH in stretches: ECT 4-5hrs... See more



WEDNESDAY, AUGUST 25, 2021 • Nu 20



► Samdrupjongkhar-Trashigang highway has been blocked at 3km from Kanglung towards Trashigang opposite Rongthong school due to a landslide. The block is expected to be cleared at around 7pm today. However, continuous rainfall and landslide hamper efforts to clear the road. (Photo: DoR)

Suggested for you

Bhutan Diary
21h · 🌐

Road block update:

1. Road block at Moreybir at km 18.900 on Wezergong - Dorokha road due to falling boulders and Might take whole day since there is continues falling boulders.
2. Phuentsholing-Thimphu PNH is block at Ch:85.6 km... See More



Information & Image source: Department of Road (DoR), BBS, kuensel & other social media pages.