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## क्तुत्र ऑन्स्य हुन्धुन् न्त्रण्यात्र सम्भीत्र स्त्रण्याते 'झे' या Hydrology & Water resources services division National center for hydrology & meteorology

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Status and River Level Trends: Glacier Lake Outbrust Flood (GLOF) Early Warning System

20 December 2026

## 1. Punatshang Chhu Sub Basin

Sl No.	River Basin Number	Basin Name	Name of River	Station Name	Highest Water Level Recorded	Alert Water Level	Alarm Water Level	Water Level (m) recorded at 9:00 AM Yesterday	Water Level	Water Level Rise (+)/Fall (-) in meters during last 24 Hrs ending at 9 AM Today	Downstream Areas Coverage	
1			Pho Chhu	Luggay Tsho		7.80	10.00	6.28	6.28	0.00	Thanza, Tenchey, Lhadi, Lunana area and downstream of Pho-Chu and Puna-Wangdue Valley.	
2				Thorthormi Tsho		7.50	5.00	5.46	5.46	0.00		
3				Rapstreng Tsho		7.40	5.00	6.13	6.14	0.01		
4				Bay Tsho		7.40	5.00	6.20	6.22	0.02		
5	Basin II	Punatshang		Thanza		7.70	8.70	6.32	6.33	0.01		
6	Dasiii ii	Chhu			Tarina Wachey		8.50	10.50	6.01	6.01	0.00	Pho Chhu Valley (Tamidamchu, Wolathang, Samidingkha, Khawajara, Shengana, Khuruthang
7				Dangsa		5.50	7.00	3.35	3.36	0.01	Puna-Wangdue Valley and Downstream	
8			Mo Chhu	Taksemakhang		7.50	8.50	5.00	5.00	0.00		
9				Tashithang		9.00	10.50	4.25	4.26	0.01	Gasa, Mo Chhu Valley, Puna-Wangdue Valley and Downstream	
10				Yebesa		5.00	7.00	1.19	1.20	0.01		

	Approximate Lea	d Time for Eva	cuation after tl	he detection of flo	od at Four lake Se	ensor	Approximate Lead Time for Evacuation after the detection of flood at Dangsa Sensor					
SI Nos	Name of Place Downstream	Approx. Distance from Sensor (Bay Tsho)	Approx. Distance from Sensor (Rapstreng Tsho)	Approx. Distance from Sensor (Thorthormi Tsho)		Approx. Tme available for Evacuation	SI Nos	Name of Place Downstream	Approx. Distance from Sensor (Bay Tsho)	Approx. Time for Flood to reach at the Place	Approx. Tme available for Evacuation	
1	Thanza	1.5 km	2.8 km	3.3 km	6.7 km		1	Wolathang	5.8 km	30 minutes	30 minutes	
2	Tenchey	2.9 km	4.1 km	4.6 km	8.2 km	20-60	2	Samdingkha	12.0 km	55 minutes	55 minutes	
3	Tshojo	8.1 km	10.0 km	10.5 km	13.8 km	minutes	3	Punakha Dzong	20 km	90 minutes	1 hours 30 minutes	
4	Lhedi	16.7 km	17.6 km	18.5 km	21.8 km		4	Khuruthang Town	24 km	120 minutes	2 hours	
5	Puna-Wangdue Valley	100 km	100 km	100 km	100 km	5-7 hours	5	Bajo Town	30.5 km	145 minutes	2 hours 25 minutes	
	•						6	Wangdue Bridge	33 km	150 minutes	2 hours 30 minutes	

## $NOTE: The above distance were \ Calculated \ from \ basic tools \ in \ the \ Google \ Earth \ Map, thus \ diastance \ were \ approximate \ only \ distance \ dist$

Glacier Lake Outbrust Flood (GLOF) & Rainstorm Flood Early Warning System.

6 Gangrithang PS

0.3km

44.2 km

2552 m

84 minutes

	. Chamkhar Chhu and Mangdue Chhu Sub Basin											
Sl No.	River Basin Number	Basin Name	Name of River	Station Name	Highest Water Level Recorded (m)	Alert Water Level (m)	Alarm Water Level (m)	Water Level (m) recorded at 9:00 AM Yesterday	Water Level	Water Level Rise (+)/Fall (-) in meters during last 24 Hrs ending at 9 AM Today	Downstream Areas Coverage	
1			Chamkhar Chhu		Tsampa		5.00	6.50	3.60	3.61	0.01	
2		Manas		Khagthang		5.50	6.00	4.25	4.25	0.00	Chokhortoe Primary School, Kurjey Valley, Wangdue Choling, Chamkhar Town, Gangrithang Primary School, Gyelkhar Village and downstream settlement under Zhemgang.	
3	Basin III			Kurjey	5.72	3.30	5.00	1.51	1.51	0.00	Timal y belook, Gyennar Vinage and downsteam sentencia under zateringung.	
4			Mangdue	Jongthang		5.90	7.00	4.19	4.18	-0.01	Bjizam Community,MHPA Dam, Power House and Downstream settlement of Trongsa and	
5			Chhu	Bjizam	5.60	4.20	5.50	2.05	2.05	0.00	Zhemgang	

Approximate Lead Time for Evacuation of Chamkhar Chhu Sub Basin Approximate Lead Time for Evacuation after the detection of Flood at the Tshampa AWLS											
Sl Nos	Name of Place	Approx.Dista nce from the Tshampa AWLS	Approx. Cumlative Distance from Tshampa AWLS	Elevation	Approx. Lead Time	SI Nos	Name of Place Downstream	Approx.Distanc e from the Jongthang AWLS	Approx. Cumlative Distance from Jongthang AWLS	Elevation	Approx. Lead Time
1	Khagthang	20.3 km	20.3 km	3704 m	27 minutes	1	Bjizam	18.5 km	18.5 km	2223 m	34 minutes
2	Chorkhor Toe PS	4.5 km	24.8 km	2904 m	34 minutes	2	Dam Site	7.8 km	26.3 km	1848 m	50 minutes
3	Kurjey	12.4 km	37.2 km	2771 m	60 minutes	3	Power Plant	20.4 km	46.7 km	1024 m	88 minutes
4	Wangdicholling	5.7 km	42.9 km	2600 m	79 minutes						
5	Bumthane	1 km	43 9 km	2562 m	83 minutes						