

क्य-ल्य-स्याप्य-स्याप्य-स्याप्य-स्याप्य-स्याप्य-स्याप्य-स्याप्य-स्याप्य-स्याप्य-स्याप्य-स्याप्य-स्याप्य-स्याप्य





2 hours 25 minutes

2 hours 30 minutes

Status and River Level Trends:

Thursday, July 25, 2019

Issued at: 10:00 AM

30.5 km

145 minutes

Glacier Lake Outbrust Flood (GLOF) Early Warning System

	Glacier Lake Outbrust Flood (GLOF) Early Warning System												
	Punatshang Chhu Sub Basin												
SI Nos.	River Basin Number	Basin Name	Name of River	Station Name	Highest Water Level Recorded	Alert Water Level	Alerm Water Level	Water Level (m) recorded at 9 AM Yesterday	Water Level(m)	Water Level Rise (+)/Fall (-) in meters during last 24 Hrs ending at 9 AM Today	Downstream Settlement		
1	Basin II	Punatshang Chhu		Luggay Tsho		7.80	10.00	6.65	6.63	-0.02	Thanza,Tenchey,Lhedi and Lunana area and Downstream of Pho Chhu and Puna-		
2			Pho Chhu	Thorthormi Tsho		7.50	5.00	5.78	5.78	0.00			
3				Rapstreng Tsho		7.40	5.00	6.31	6.30	-0.01	Wangdue Valley		
4				Bay Tsho		7.40	5.00	6.45	6.47	0.02	3		
5				Thanza		7.70	8.70	NR	NR	#VALUE!			
6	DUSIII II			Tarina Wachey		8.50	10.50	6.93	6.94	0.01	Pho Chhu Valley (Tamidamchu, Wolathang, Samidingkha, Khawajara, Shengana,		
7				Dangsa		5.50	7.00	4.82	4.99	0.17	Khuruthang) Puna-Wangdue Valley and Downstream		
8			Mo Chhu	Taksemakhang		7.50	8.50	5.87	5.86	-0.01			
9				Tashithang		9.00	10.50	7.22	7.62	0.40	Gasa, Mo Chhu Valley, Puna-Wangdue Valley and Downstream		
10						Yebesa		5.00	7.00	2.38	2.53	0.15	

Approximate Lead Time for Evacuation after the detection of flood at Four lake Sensor te Lead Time for Evacuation after the detection of Flood at the Dangsa Sensor Approx.
Distance from Sensor (Rapstreng Tsho)
2.8 km
4.1 km
10.0 km Approx. Distance from Sensor (Bay Tsho) Approx. Distance from Sensor (Luggey Tsho) Approx. Tme available for Evacuation Name of Place Downstream Name of Place Downstream Approx. Distance from ensor (Thorthormi Tsho) Thanza Tenchey Tshojo Lhedi 1.5 km 2.9 km 8.1 km 16.7 km 3.3 km 4.6 km 10.5 km 18.5 km 6.7 km 8.2 km 13.8 km 21.8 km 5.8 km 12.0 km 20 km 24 km 30 minutes 55 minutes 90 minutes 120 minutes 30 minutes 55 minutes 1 hours 30 minutes 2 hours Wolathang Samdingkha Punakha Dzong Khuruthang Town

alley 6 Wangdue Bridge 33 km 150 minutes

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

5-7 hours

100 km

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

Bajo Town

Chamkhar Chhu and Mangdue Chhu Sub Basin

100 km

100 km

100 km

Cnamk	Chamkhar Chnu and Ivianguue Chnu Sub Basin											
SI Nos.	River Basin Number	Basin Name	Name of River	Station Name	Highest Water Level Recorded (m)	Alert Water Level (m)	Alerm Water Level (m)	Water Level (m) recorded at 9 AM Yesterday		Water Level Rise (+)/Fall (-) in meters during last 24 Hrs ending at 9 AM Today	Downstream Settlement	
1				Tshampa		5.00	6.50	4.45	4.46	0.01		
2			Chamkhar Chhu	Khagthang		5.50	6.00	4.86	5.09	0.23	Chokortoe Pry School, Kurjey Village, Wangdicholing, Chamkhar Town, Gangrithng Pry School, Gyelkhar Village and Downstream settlement under Zhemgang.	
3	Basin III	Manas		Kurjey	5.72	3.30	5.00	2.52	2.71	0.19	account of the state of the sta	
4	5		Mangdue Chhu	Jongthang		5.90	7.00	5.26	5.40	0.14	Bjizam Community, MHPA Dam, Power House and Downstream settlement of Trongsa	
5					iviangaue Chnu	Bjizam	5.52	4.20	5.50	2.96	3.35	0.39

Approximate Lead Time for Evacuation of Chamkhar Chhu Sub Basin							Approximate Lead Time for Evacuation of Mangdue Chhu Sub Basin							
App	Approximate Lead Time for Evacuation after the detection of Flood at the Tshampa AWLS						Approximate Lead Time for Evacuation after the detection of Flood at the Jongthang AWLS							
SI Nos	Name of Place Downstream	Approx.Distance from the Tshampa AWLS	Approx. Cumlative Distance from Tshampa AWLS	Elevation	Approx. Lead Time	SI Nos	Name of Place Downstream	Approx.Distance from the Tshampa AWLS	Approx. Cumlative Distance from Tshampa 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	Bumthang	1 km	43.9 km	2562 m	83 minutes	1								
6	Gangrithang PS	0.3km	44.2 km	2552 m	84 minutes	1								
7	Gvelkhar	1.7 km	45.9 km	2538 m	91 minutes	1								

Riv	River Level Status of Gauging Station													
SI Nos.	Station Type	River Basin Number	Basin Name	Name of River	Station Name	Highest Water Level Recorded (m)	Water Level (m) recorded at 9 AM Yesterday	Water Level(m) recorded at 9 AM Today	Water Level Rise (+)/Fall (-) in meters during last 24 Hrs ending at 9 AM Today	Weather Condition	Downstream Settlement			
1	AWLS				Dodena		NR	NR	#VALUE!		Thimphu Valley and Downstream			
2	Principal			Thim Chhu	Lungtenphu	2.82	1.36	1.52	0.16		Thinipha valley and Downstream			
3	Principal			Haa Chhu	Damchu	6.00	3.13	3.20	0.07		Chukha and Downstream			
4	Secondary	Basin I	Wang Chhu		Haa	2.60	1.61	1.47	-0.14		Haa and Wang Chhu Downstream			
5	Principal			Pa Chhu	Bonday		1.63	1.65	0.02		Downstream of Paro Valley and Wang Chhu Basin			
6	Principal			Amo Chhu	Dorokha		3.45	3.75	0.30		Samtse, Phuntsholing and Downstream			
7	Secondary			Allo Cilia	Droyagang	7.07	5.2	4.98	-0.22		Phunsholing and Downstream			
8	Secondary			Pho Chhu	Samdingkha	6.10	4.23	4.55	0.32		Puna-Wangdue Valley and Downstream			
9	Principal			Mo Chhu	Yebesa	3.94	2.35	2.53	0.18		Mo Chhu Valley and Downstream			
10	Secondary			Punatshang Chhu Tu	Wangdue Bridge		3.25	3.80	0.55		PHPA I,PHPA II and Downstream			
11	Principal	Basin II	Punatshang Chhu Pu		Wangdue Rapid	7.82	3.75	4.4	0.65		FIFA, FIFA II and Downstream			
12	Principal	Basin II			Turitar Sunkosh	6.68	3.95	4.65	0.70		Downstream of Dagana and Lhamoizingkha			
13	Secondary				Sunkosh Bridge		3.00	3.70	0.70		Downstream of Dagana and Enamoizing Kha			
14	Principal				Kerabari	11.90	6.45	6.77	0.32		Lhamoizingkha and Downstream			
15	Secondary			Mao Chhu	Sherzhong		5.40	5.15	-0.25	Cloudy	Gelelephu Valley and Downstream			
16	Principal			Mangdue Chhu Chamkhar Chhu	Bjizam	5.35	2.98	3.35	0.37	Clear Sky	MHPA Dam, Power House and Downstream of Trongsa & Zhemgang			
17	Secondary				Dakpai Chhu	2.26	1.50	1.58	0.08		Downstream of 2hmgang and Panbang			
18	Principal				Tingtibi	7.45	4.36	4.74	0.38		Downstream of Zimigang and Panbang			
19	Principal				Kurjey	4.00	2.53	2.71	0.18		Chamkhar Valley, Zhemgang and Downstream			
20	Principal			Chamkhar Chnu	Shingkhar (Bemethang)		2.36	2.55	0.19		Zhemgang and Downstream			
21	Principal							Sumpa	7.65	4.97	5.35	0.38		Lhuntse Downstream, Kurizampa, KHPA and Downstream along the Kuri Chhu
22	Secondary		Ruri Chhu Basin III Manas Kholong Chhu Drangme Chhu Ngara Ama Chhu	Kuri Chhu	Khoma	5.30	2.28	2.75	0.47					
23	Secondary			Kuii Ciiiu	Autsho	8.48	5.05	5.6	0.55		Kurizampa,KHPA and Downstream along the Kuri Chhu			
24	Principal	Basin III		Manas		Kurizampa	18.45	9.34	10.25	0.91		KHPA and Downstream along the Kuri Chhu		
25	Principal			Doksun Chazan Drangme Chhu Ozoron Sheri Chi Panban	Muktirap	6.00	2.73	3.15	0.42		Doksum,Kholong Chhu Hydro Power Project and Downstream of Gongri Chhu			
26	Secondary				Doksum		4.57	4.54	-0.03		Kholong Chhu Hydro Power Project and Downstream of Gongri Chhu			
27	Secondary				Chazam		9.60	9.95	0.35		Downstream Settlement of Kuri-Gongri and Panbang			
28	Principal				Ozorong	6.75	3.15	3.61	0.46	Partly Cloudy	Downstream of Kuri-Gongri and Panbang			
29	Secondary				Sheri Chhu	2.58	1.92	2.1	0.18	Partly Cloudy				
30	Principal				Panbang	12.48	8.35	8.39	0.04	Clear Sky	Manas and Downstream			
31	Principal			Pangzam		7.95	7.50	-0.45		Bangtar Settlement and Downstream				
32	Principal				Bangtar		4.70	3.95	-0.75	Cloudy	Downstream of Bangtar Settlement			

The Water Level are relative Gauge Hight of the Observation site reference to the Site Specific and doesnot represent the actual water depth.

ALERT

ALARM

NR Represent that the Data has not been reported or Not Updated

NOTE

ISSUED BY: FMCR,HWRSD,NCHM