



རྒྱལ་ཡོངས་རྒྱུ་ལྷན་ཁག་གི་ཨུའི་མཉམ་སྲུང་འཛུགས་འཛིན་པའི་འཛུགས་ཁག་
 HYDROLOGY & WATER RESOURCES SERVICES DIVISION
 NATIONAL CENTER FOR HYDROLOGY & METEOROLOGY
 THIMPHU: BHUTAN



STATUS OF RIVER LEVEL AND TRENDS: Sunday, February 10, 2019 Issued at: 10:00 AM

1. 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 09:00 AM Yesterday | Water Level (m) recorded at 09:00 AM Today | Water Level Rise (+)/Fall (-) in (m) during the last 24 hours ending at 09:00 AM Today | Downstream Settlements |
|------|-----------------|-------------|---------------------------------|------------------------------|--|--|--|---|
| 1 | Tsampa | Chamkharchu | | 6.50 | 3.44 | NR | #VALUE! | Chokortoe Pry. School, Kurjey village, Wangdicholling, Chamkhar town, Gangrithang Pry. School, Gyelkhar village and downstream settlement under Zhemgang. |
| 2 | Khagtang | | | 6.00 | 4.24 | NR | #VALUE! | |
| 3 | Kurjey | | 5.72 | 5.00 | 1.36 | 1.35 | -0.01 | |

2. 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 09:00 AM Yesterday | Water Level (m) recorded at 09:00 AM Today | Water Level Rise (+)/Fall (-) in (m) during the last 24 hours ending at 09:00 AM Today | Downstream Settlement |
|------|-----------------|------------|---------------------------------|------------------------------|--|--|--|---|
| 1 | Jongthang | Mangdechhu | | 7.00 | 3.51 | 3.51 | 0.00 | Bjizam Community, MHPA Dam, Power House and downstream settlement of Trongsa and Zhemgang |
| 2 | Bjizam | | 5.52 | 5.50 | 1.69 | 1.70 | 0.01 | |

3. Glacier Lake Outburst Flood (GLOF) Early Warning System on Punatsangchu basin:

| Sl.# | Name of Station | River | Historical Max. Water Level (m) | Danger/Alarm Water Level (m) | Water Level (m) recorded at 09:00 AM Yesterday | Water Level (m) recorded at 09:00 AM Today | Water Level Rise (+)/Fall (-) in (m) during the last 24 hours ending at 09:00 AM Today | Downstream Settlements |
|------|-----------------|--------|---------------------------------|------------------------------|--|--|--|--|
| 1 | Luggy | Phochu | | 10.00 | 6.18 | 6.18 | 0.00 | Thanza, Tenchey, Tshojo, Lhedi and Lunana area and downstream of Phochu and Puna-Wangdue Valley. |
| 2 | Thorthormi | | | 5.00 | 6.23 | 6.26 | 0.03 | |
| 3 | Rapstreng | | | 5.00 | 6.04 | 6.06 | 0.02 | |
| 4 | Bay-Tsho | | | 5.00 | 6.05 | 6.06 | 0.01 | |
| 5 | Thanza | | | 8.70 | 6.23 | 6.23 | 0.00 | |
| 6 | Tarina-Wachey | | | 10.50 | 6.34 | 6.33 | -0.01 | |
| 7 | Dangsa | | | 7.00 | 3.26 | 3.25 | -0.01 | |
| 8 | Taktsemakhang | Mochu | | 8.50 | 5.10 | 5.09 | -0.01 | Gasa, Mochu Valley, Puna -Wangdue Valley and downstream. |
| 9 | Tashithang | | | 10.50 | 4.45 | 4.42 | -0.03 | |
| 10 | Yebesa | | | 7.00 | 1.08 | 1.07 | -0.01 | |

4. River Level Status and Trends of Other Basins:

| Sl.# | Name of Station | River | Dzongkhag | Water Level (m) recorded at 09:00 AM Yesterday | Water Level (m) recorded at 09:00 AM Today | Water Level Rise (+)/Fall (-) in (m) during the last 24 hours ending at 09:00 AM Today | Downstream Settlements |
|------|-----------------|--------------|-----------------|--|--|--|---|
| 1 | Dorokha | Amochu | Samtse | 2.15 | 2.15 | 0.00 | Samtse, Phuntsholing and downstream |
| 2 | Doyagang | | Chukha | 2.84 | 2.80 | -0.04 | Phuntsholing and downstream |
| 3 | Dodena | Thim Chu | Thimphu | NR | NR | #VALUE! | Thimphu Valley and downstream |
| 4 | Lungtenphu | | Thimphu | 0.30 | 0.25 | -0.05 | Thimphu Valley and downstream |
| 5 | Bondey | Paro Chu | Paro | 0.71 | 0.71 | 0.00 | Downstream of Paro valley and Wangchu basin |
| 6 | Damchu | Wang Chu | Chhukha | 1.88 | 1.87 | -0.01 | Chhukha and downstream |
| 7 | Haachu | Ha Chu | Haa | 0.51 | 0.52 | 0.01 | Downstream of Haa and Wangchu downstream |
| 8 | Samdingkha | Phochu | Punakha | 2.31 | 2.31 | 0.00 | Puna-Wangdue Valley |
| 9 | Yebesa | Mochu | Punakha | 1.06 | 1.05 | -0.01 | Puna-Wangdue Valley |
| 10 | Wangdi Bridge | Punatsangchu | Wangduephodrang | 0.05 | 0.05 | 0.00 | PHPA I, PHPA II and downstream |
| 11 | Wangdi Rapid | | Wangduephodrang | 0.65 | 0.69 | 0.04 | PHPA I, PHPA II and downstream |
| 12 | Turitar Sunkosh | | Dagana | 1.30 | 1.35 | 0.05 | Downstream of Dagana and Lhamoizingkha |
| 13 | Sunkosh Bridege | | Dagana | 0.52 | 0.60 | 0.08 | Downstream of Dagana and Lhamoizingkha |
| 14 | Kerabari | | Dagana | 3.09 | 3.15 | 0.06 | Lhamoizingkha and downstream |
| 15 | Bjizam | Mangdechu | Trongsa | 1.52 | 1.53 | 0.01 | MHPA dam, Power house and downstream of Trongsa and Zhemgang |
| 16 | Dakpaichhu | | Zhemgang | 0.84 | 0.86 | 0.02 | Downstream of Zhemgang and Panbang |
| 17 | Tingtibi | | | 2.50 | 2.51 | 0.01 | |
| 18 | Kurjey | Chamkharchu | Bumthang | 1.32 | 1.32 | 0.00 | Chamkhar valley, Zhemgang and downstream |
| 19 | Shingkar | | Zhemgang | 1.15 | 1.16 | 0.01 | Zhemgang and downstream |
| 20 | Sumpa | Kurichu | Lhuentse | 2.77 | 2.74 | -0.03 | Lhuentse downstream, Kurizampa, KHPA and downstream along the Kurichu |
| 21 | Khoma | | Lhuentse | 1.07 | 1.06 | -0.01 | Lhuentse downstream, Kurizampa, KHPA and downstream along the Kurichu |
| 22 | Autsho | | Lhuentse | 2.58 | 2.63 | 0.05 | Kurizampa, KHPA and downstream along the Kurichu |
| 23 | Kurizampa | | Mongar | 6.47 | 6.50 | 0.03 | KHPA and downstream along the Kurichu |
| 24 | Muktirap | Kholongchu | T/yangtse | 1.34 | 1.35 | 0.01 | Kholongchu Hydropower Project, Doksum and downstream of Drangmechu |
| 25 | Doksum | Gongrichu | T/yangtse | 1.74 | 1.73 | -0.01 | Kholongchu Power house and downstream of Drangmechu |
| 26 | Chazam | | T/gang | 6.40 | 6.50 | 0.10 | Downstream settlement of Kuri-Gongri and Panbang |
| 27 | Ozorong | | T/gang | 0.71 | 0.78 | 0.07 | Downstream of Kuri-Gongri and Panbang |
| 28 | Riju | Gamrichu | T/gang | NR | NR | #VALUE! | Chazam, Downstream of Kuri-Gongri and Panbang |
| 29 | Sherichu | Sherichu | Mongar | 1.15 | 1.31 | 0.16 | Downstream of Kuri-Gongri and Panbang |
| 30 | Panbang | Drangmechu | Zhemgang | 3.55 | 3.67 | 0.12 | Manas and Downstream |
| 31 | Pangzam | Neyra Amari | T/gang | 5.38 | 5.38 | 0.00 | Bangtar settlement and downstream |
| 32 | Bangtar | Neyra Amari | S/Jongkhar | 1.14 | 1.16 | 0.02 | Downstream of Bangtar settlement |
| 33 | Sherzhong | Aiechhu | Gelephu | 3.60 | 3.60 | 0.00 | |

3.6

Note 1: Water levels are relative gauge height of the observation site referenced to site specific and does not represent the actual water depth.

Note 2:

ALERT

ALARM

NR Data Not Reported/ Not Received

Issued by:
FMCR, HWRSD, NCHM