

શુભ પેંત્ર સું નુકુન નુન સ્થાય વિશ્વ સ્થાય છે. સું તે છે. તે છે.

HYDROLOGY & WATER RESOURCES SERVICES DIVISION NATIONAL CENTER FOR HYDROLOGY & METEOROLOGY THIMPHU: BHUTAN

Friday, March 29, 2019



STATUS OF RIVER LEVEL AND TRENDS:

Issued at: 10:00 AM

1. Glacier Lake Outburst Flood (GLOF) and Rainstorm Flood Early Warning System on Chamkharchu sub-basin:

| SI.# | 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 | |
|------|-----------------|-------------|------------------------------------|---------------------------------|------------------------------------------------------|--------------------------------------------------|----------------------------------------------------------------------------------------------------|----------------------------------------------------------|
| 1 | Tsampa | | | 6.50 | NR | NR | #VALUE! | Chokortoe Pry. School, Kurjey village, Wangdicholling, |
| 2 | Khagtang | Chamkharchu | | 6.00 | NR | NR | #VALUE! | Chamkhar town, Gangrithang Pry. School, Gyelkhar village |
| 3 | Kurjey | | 5.72 | 5.00 | 1.36 | 1.42 | 0.06 | and downstream settlement under Zhemgang. |

2. Glacier Lake Outburst Flood (GLOF) and Rainstorm Flood Early Warning System on Mangdechhu sub-basin:

| | SI.# | 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 Rise (+)/Fall (-) in (m) during the last 24 hours ending at 09:00 AM Today | |
|---|------|-----------------|-----------|------------------------------------|---------------------------------|------------------------------------------------------|------|----------------------------------------------------------------------------------------------------|-----------------------------------------------|
| | 1 | Jongthang | Mangdechu | | 7.00 | 3.34 | 3.35 | 0.01 | Bjizam Community, MHPA Dam, Power House and |
| ſ | 2 | Bjizam | | 5.52 | 5.50 | 1.60 | 1.64 | 0.04 | downstream settlement of Trongsa and Zhemgang |

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

| SI.# | 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 | | | 10.00 | 6.20 | 6.20 | 0.00 | |
| 2 | Thorthormi | Phochu | | 5.00 | 6.22 | 6.22 | 0.00 | |
| 3 | Rapstreng | | | 5.00 | 6.04 | 6.04 | 0.00 | Thanza, Tenchey, Tshojo, Lhedi and Lunana area and downstream of Phochu and Puna-Wangdue Valley. |
| 4 | Bay-Tsho | | | 5.00 | 6.08 | 6.08 | 0.00 | |
| 5 | Thanza | | | 8.70 | 6.23 | 6.23 | 0.00 | |
| 6 | Tarina-Wachey | | | 10.50 | 6.33 | 6.34 | 0.01 | Phochu Valley (Tamidamchu, Woolathang, Samdingkha, Khawajara, Shengana, Kuruthang), Puna-Wangdue Valley |
| 7 | Dangsa | | | 7.00 | 3.28 | 3.32 | 0.04 | and downstream. |
| 8 | Taktsemakhang | Mochu | | 8.50 | 5.09 | 5.12 | 0.03 | |
| 9 | Tashithang | | | 10.50 | 4.40 | 4.07 | -0.33 | Gasa, Mochu Valley, Puna -Wangdue Valley and downstream. |
| 10 | Yebesa | | | 7.00 | 1.15 | 1.19 | 0.04 | |

4. River Level Status and Trends of Other Basins:

| S1.# | 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 | 2.30 | 2.25 | -0.05 | Samtse, Phuntsholing and downstream | |
| 2 | Doyagang | Amochu | Chukha | 3.13 | 3.10 | -0.03 | Phuntsholing and downstream | |
| 3 | Dodena | Thim Chu | Thimphu | 1.47 | 1.45 | -0.02 | Thimphu Valley and downstream | |
| 4 | Lungtenphu | Thin Chu | Thimphu | 0.21 | 0.19 | -0.02 | Thimphu Valley and downstream | |
| 5 | Bondey | Paro Chu | Paro | 0.72 | 0.76 | 0.04 | Downstream of Paro valley and Wangchu basin | |
| 6 | Damchu | Wang Chu | Chhukha | 1.88 | 1.89 | 0.01 | Chhukha and downstream | |
| 7 | Haachu | Ha Chu | Haa | 0.55 | 0.59 | 0.04 | Downstream of Haa and Wangchu downstream | |
| 8 | Samdingkha | Phochu | Punakha | 2.45 | 2.33 | -0.12 | Puna-Wangdue Valley | |
| 9 | Yebesa | Mochu | Punakha | 1.13 | 1.17 | 0.04 | Puna-Wangdue Valley | |
| 10 | Wangdi Bridge | Punatsangchu | Wangduephodrang | 0.10 | 0.10 | 0.00 | PHPA I, PHPA II and downstream | |
| 11 | Wangdi Rapid | | Wangduephodrang | 0.81 | 0.89 | 0.08 | PHPA I, PHPA II and downstream | |
| 12 | Turitar Sunkosh | | Dagana | 1.25 | 1.20 | -0.05 | Downstream of Dagana and Lhamoizingkha | |
| 13 | Sunkosh Bridege | | Dagana | 0.55 | 0.50 | -0.05 | Downstream of Dagana and Lhamoizingkha | |
| 14 | Kerabari | | Dagana | 3.20 | 3.09 | -0.11 | Lhamoizingkha and downstream | |
| 15 | Bjizam | | Trongsa | 1.60 | 1.64 | 0.04 | MHPA dam, Power house and downstream of Trongsa and Zhemgang | |
| 16 | Dakpaichhu | Mangdechu | Zhemgang | 0.93 | 0.94 | 0.01 | Demotore of Theorem and Devices | |
| 17 | Tingtibi | | | 2.57 | 2.60 | 0.03 | Downstream of Zhemgang and Panbang | |
| 18 | Kurjey | Chamkharchu | Bumthang | 1.36 | 1.42 | 0.06 | Chamkhar valley, Zhemgang and downstream | |
| 19 | Shingkhar | | Zhemgang | 1.16 | 1.20 | 0.04 | Zhemgang and downstream | |
| 20 | Sumpa | Kurichu | Lhuentse | 2.89 | 2.96 | 0.07 | Lhuentse downstream, Kurizampa, KHPA and downstream along the Kurichu | |
| 21 | Khoma | | Lhuentse | 1.10 | 1.13 | 0.03 | Lhuentse downstream, Kurizampa, KHPA and downstream along the Kurichu | |
| 22 | Autsho | | Lhuentse | 2.74 | 2.83 | 0.09 | Kurizampa, KHPA and downstream along the Kurichu | |
| 23 | Kurizampa | | Mongar | 6.69 | 6.77 | 0.08 | KHPA and downstream along the Kurichu | |
| 24 | Muktirap | Kholongchu | T/yangtse | 1.59 | 1.55 | -0.04 | Kholongchu Hydropower Project, Doksum and downstream of Drangmechu | |
| 25 | Doksum | Gongrichu | T/yangtse | 2.30 | 2.37 | 0.07 | Kholongchu Power house and downstream of Drangmechu | |
| 26 | Chazam | | T/gang | 6.80 | 6.90 | 0.10 | Downstream settlement of Kuri-Gongri and Panbang | |
| 27 | Ozorong | | T/gang | 0.92 | 0.92 | 0.00 | 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 | 1.23 | 1.23 | 0.00 | Downstream of Kuri-Gongri and Panbang | |
| 30 | Panbang | Drangmechu | Zhemgang | 3.85 | 3.70 | -0.15 | Manas and Downstream | |
| 31 | Pangzam | Neyra Amari | T/gang | 5.42 | 5.42 | 0.00 | Bangtar settlement and downstream | |
| 32 | Bangtar | Neyra Amari | S/Jongkhar | 1.17 | 1.15 | -0.02 | Downstream of Bangtar settlement | |
| 33 | Sherzhong | Aiechhu | Gelephu | 3.60 | 3.60 | 0.00 | | |

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