



Daily Flood Situation Report cum Advisories

18-08-2019

1.0 IMD information

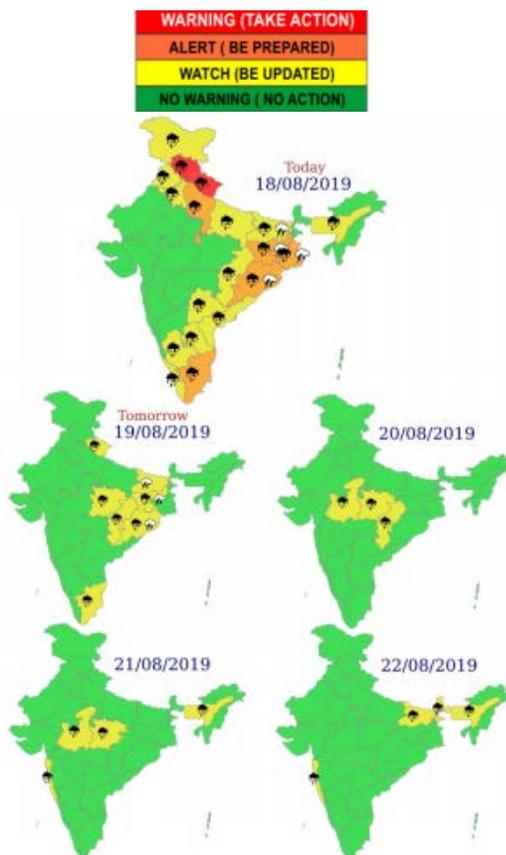
1.1 Rainfall Situation

1.1.1 Amount of rainfall recorded at 0830 hours IST of today (8 cm or more) as per IMD

Name of Place (State)	Rainfall (in cm)
Nainadevi (Himachal Pradesh)	36
Jandatta (Himachal Pradesh), Balachour (Punjab)	27 each
Khanna (Punjab)	25
Berthin (Himachal Pradesh), Chandanpur (Odiha)	24 each
Rohru & Nahan (Himachal Pradesh)	23 each
Hoshiyarpur & Nawashahar (Punjab)	21 each
Nangal (Punjab),	20
Ananadpur Sahib (Punjab)	19
Kahu & Una (Himachal Pradesh)	18 each
Mehra Barsar (Himachal Pradesh), Nakur (Uttar Pradesh)	17 each
Kapurthala (Punjab), Jaleswar (Odisha)	16 each
Paonta, Gohar & Shimla (Himachal Pradesh), Patiala (Punjab), Jamshedpur (Jharkhand), Alangayam (Tamilnadu)	15 each
Aghar, SujampurTira, Sundarnagar & Pachhad (Himachal Pradesh), Chhachhrauli (Haryana), Amloh, Rajapura & Ludhiana (Punjab)	14 each
Bhoranj & Kasauli (Himachal Pradesh), Naraingarh (Haryana), Bhograi (Odisha)	13 each
Sarkaghat & Sangraha (Himachal Pradesh), Dera Bassi (Punjab), Dehana (Rajasthan), Digha (West Bengal)	12 each
Bharari, Nagaun & Mandi (Himachal Pradesh), Adampur (Punjab), Makrana (Rajasthan), Rajghat, Jajpur & Deogaon (Odisha), Basirghat (West Bengal)	11 each
Bhuntar, Bijhai & Amb (Himachal Pradesh), Ranjit Sagar Dam (Punjab), Saharanpur (Uttar Pradesh), Nawa (Rajsthan), Katra (Jammu & Kashmir), Haldia (West Bengal) Macherla (Andhra Pradesh), Tirupathur (Tamilnadu)	10 each
Chamba, Dehra Gopipur, Palampur & Solan (Himachal Pradesh), Chandigarh, Kalka & Bilaspur (Haryana), Sangrur, Barnala, Garh Shankar & Pillour (Punjab), Tapkara & Raigarh (Chhattisgarh), Neamtighat (Assam), Mohanpur (West Bengal), Eluru (Andhra Pradesh), Thiruppuvanam, Thiruchuzhi & Vaniyampadi (Taminl Nad)	9 each
Dalhousie, Dharamshala, Baijanath, Guler & Pandoa (Himachal Pradesh), Amabala & Morni (Haryana), Shirhand, Dasaaiah & Jalandhar (Punjab), Jharsaguda (Odisha), kalaikunda & Jhargaram (West Bengal), Jorhat (Assam), Ongole & Puttur (Andhra Pradesh), Ambur (Tamilnadu)	8 each



1.1.2 Rainfall forecast for next 5 days issued on 18th August, 2019 (Midday) by IMD



2.0 CWC inferences

2.1 Flood Situation as per actual/ forecasted rainfall situation

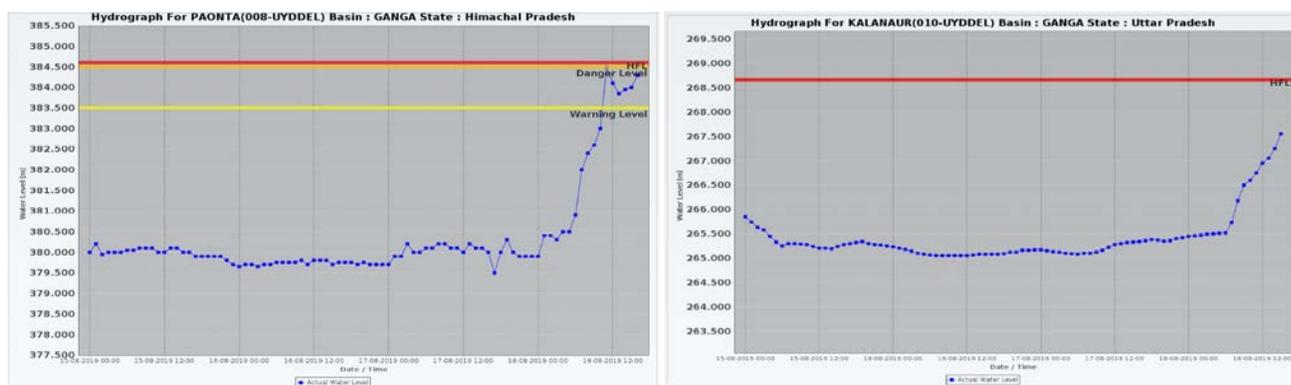
FLOOD SITUATION SUMMARY		
PART - I: LEVEL FORECAST		
S.No.	Flood Situations	Numbers of Forecasting Sites
A	Extreme Flood Situation: (Site (s) where the previous Highest Flood Level (HFL) is exceeded or equalled)	0
B	Severe Flood Situation: (Site (s) where water level is touching or exceeding the Danger Level but below Highest Flood Level (HFL))	7
C	Above Normal Flood Situation: (Site (s) where water level is touching or exceeding the Warning Level but below Danger Level)	20
Total number of sites above Warning Level (A+B+C)		27
PART - II: INFLOW FORECAST		
Number of sites for which inflow forecasts issued: (Where Inflows are equal or exceed the specified Threshold Limit for a particular reservoir / barrage)		16

For details please visit: <http://cwc.gov.in/sites/default/files/cfcr-cwcdfb18082019.pdf>

2.1.1 Yamuna Basin for States of Himachal Pradesh, Haryana and NCT, Delhi

Due to extremely heavy rainfall in catchment areas of Himachal Pradesh, Uttarakhand and Haryana, river Yamuna and its tributaries Giri, Tons are rising. River Yamuna at Paonta in Sirmour District of Himachal Pradesh flowed in Severe Flood Situation. Flow over Hathnikhund Barrage in Yamunanagar District, Haryana is around 7,87,277 cusec at 1600 hrs on 18th August 2019. The flow from Hathnikhund generally takes about 30 hours to Mawi and around 60 hours to reach Delhi Railway Bridge.

River Yamuna at Kalanaur in Rohtak District of Haryana, Karnal in Karnal District of Haryana, Mawi at Muzaffarnagar District and Baghpat in Baghpat District of Uttar Pradesh, Palla and Delhi Railway Bridge in North Delhi District of NCT Delhi, Palwal in Palwal District of Haryana and Mathura Prayag Ghat in Mathura District are likely to flow in Severe to Extreme Flood Situation. Delhi Railway Bridge (Danger Level – 205.5 m) is likely to reach a level of around 206.5 to 207 m between 20th and 21st August 2019. Necessary Precautionary measures may be taken in the reach between Source regions of Yamuna and its tributaries upto Mathura. Hydrograph of river Yamuna at Paonta and Kalanaur are appended.



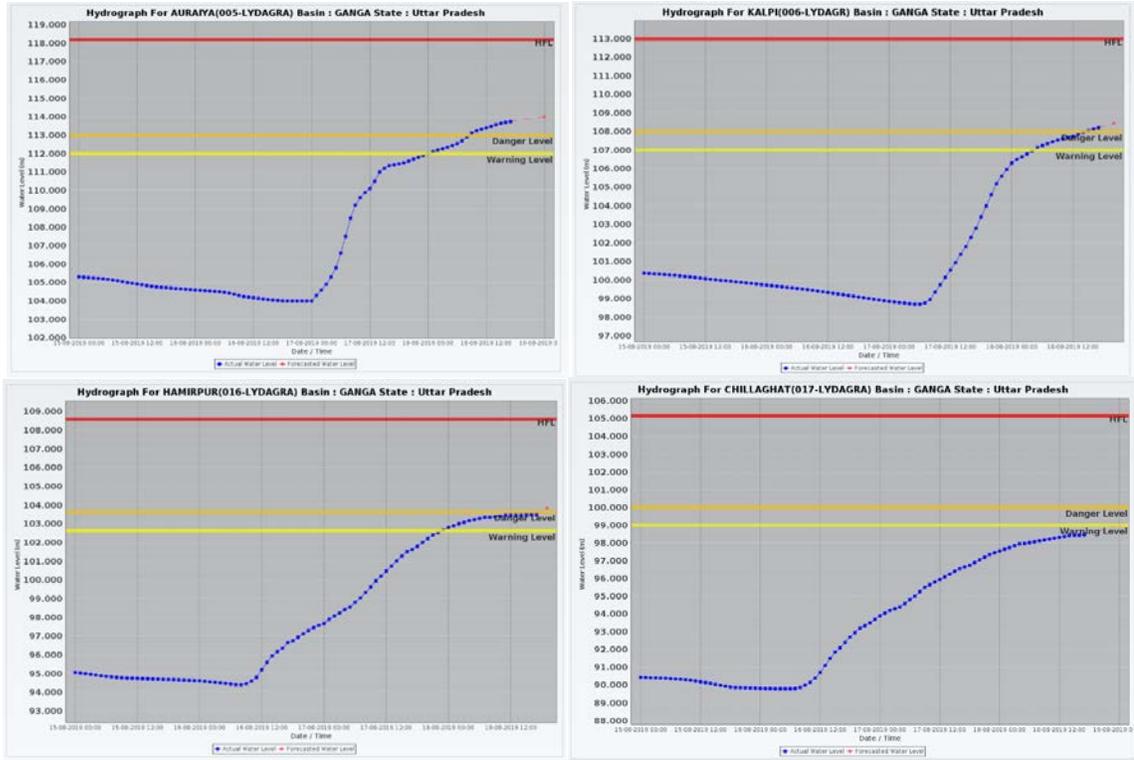
It has been reported that a big reservoir has been created in village Khadetar (Lat. 32.3695790, Long.75.9467460) of Gram Panchayat Danni, Tehsil Nurpur on Jabbar Khad (about 1km long and about 30 ft deep) due to massive land slide. Land slide is continuously going on. There are chances of flooding in downstream of this reservoir in case this dam breaks. There should be evacuation upto about 30 km downstream of the lake. Photograph of lake is appended below.



2.1.2 Chambal & Yamuna Basins in Rajasthan & Uttar Pradesh

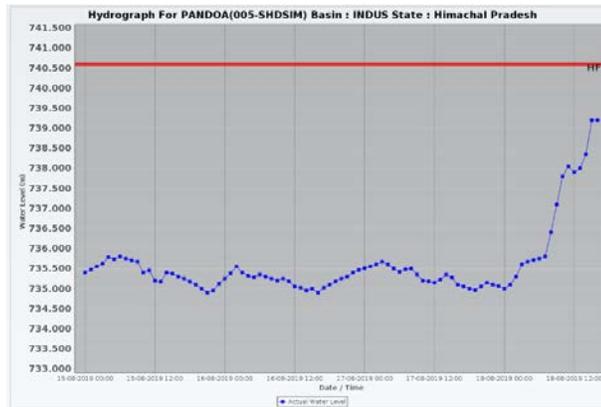
Due to ongoing extremely heavy rainfall in Madhya Pradesh and Rajasthan in Chambal Basin, river Chambal and its tributaries in Madhya Pradesh and Rajasthan are rising rapidly. As very heavy rainfall forecast is to continue in Rajasthan on 18th August also, strict watch is to be maintained for releasing any excess flow from the dams in this basin. River Chambal downstream of Kota Barrage in Rajasthan is flowing in Severe Flood Situation at Dholpur in Dholpur District of Rajasthan. It has started rising at Udi in Etawah District of Uttar Pradesh. Due to the rise in Chambal, river Yamuna is rising

rapidly at Auraiya in Auraiya District, Kalpi in Jaluan District and Hamirpur in Hamirpur District of Uttar Pradesh. Hydrographs of stations are appended.



2.1.3 Sutlej, Ravi, Beas & Ghaggar Basins

Due to ongoing extremely heavy rains in Himachal Pradesh & Punjab, rivers Satluj, Ravi, Beas & Ghaggar are rising rapidly. Due to Heavy to Very heavy rain forecasted in HP and Punjab for next 24 hours, there is likelihood of rise in inflows in Bhakra Dam, Pong Dam and Pandoa Dam. These dams may release water as per advisories issued by Bhakra Beas Management Board (BBMB). Necessary precautions have to be taken against flooding and inundation in downstream areas. Hydrographs of river Satluj at Pandoa is appended.



2.1.4 Krishna Basin in States of Karnataka, Telangana and Andhra Pradesh

In Karnataka due to combined effect of Krishna, Ghataprabha, Malaprabha and Bhima, the inflows into major dams are still continuing to be around 2 to 3Lakh cusec in Almatti, Narayanpur dams in Vijayapura and Yadgir Districts. The combined inflow of Krishna and Bhima is being received in P D Jurala Project in Jogulamba Gadwal which is being released downstream to Srisaillam Dam in Kurnool District of Andhra Pradesh. As Srisaillam dam has reached near to its Full reservoir Level (FRL), they have started releasing to Nagarjunasagar Dam in Nalgonda District of Telangana. However, the releases from Srisaillam are being maintained at around 4 to 5 Lakh cusec. Releases from NS Dam and Pulichintala project is flowing to Prakasam Barrage. The overflow from Paksam Barrage is now flowing to Avanigadda in Krishna District which is in Above Normal Flood Situation.

2.1.5 Cauvery Basin in States of Kerala, Karnataka and Tamilnadu

Most of the dams in Upper Cauvery Basin have nearly attained their FRL and have started releasing excess flow. As the rainfall has reduced considerably, the outflows from Kabini, Harangi, Hemavathi and KRS Dam have been reduced significantly. However, caution has to be exercised in releasing excess flow as most of the dams are very near or at FRL. Even a moderate rainfall of around 10 to 30 mm may give rise to increased inflows. Mettur Dam will be receiving the inflows from all upstream dams and may get very near to FRL. Proper releases have to be done in case of any heavy releases from upstream dams.

2.1.6 Ganga Basin

Due to ongoing heavy to very heavy rain in parts of Uttarakhand and Uttar Pradesh, there is chance of rise in water levels in Alaknanda, Mandakini, Bhagirathi, Ramganga, Ganga, Sharda, Sarju, Ghaghra, Rapti rivers. River Ganga is flowing in Severe Flood Situation in Badaun District and Ghaghra is flowing in Severe to Above Normal flood situation in Barabanki, Faizabad and Ballia Districts. Besides, there is forecast of heavy to very heavy rain in Himachal Pradesh, Haryana and NCT, Delhi. Due to this, there is likelihood rise in waters of Yamuna. Maximum precautions have to be taken to release excess flow with proper information to downstream States. There may be chance of cloud burst in the hilly regions of HP and Uttarakhand. Necessary precautions to avoid casualties and loss of lives have to be taken in the Hill Districts of these states.

2.1.7 Jhelum and Chenab Basins in J&K

Due to forecasted heavy to very heavy rain in Chenab and Jhelum Basin in J&K owing to likely interaction between approaching Western Disturbance and the low pressure area near North Rajasthan and adjoining areas of Punjab & Haryana, there may be increase in the water level of many of the rivers in these basins. Strict watch is to be maintained for preventing any flood damages. There may be chance of cloud burst also in some of the hilly reaches of J&K for which necessary precautions have to be taken.

Flood Affected Districts

Uttar Pradesh:	Badaun, Barabanki, Faizabad, Ballia, Lalitpur, Auraiya, Jalaun, Etawah, Hamirpur
Rajasthan:	Sawaimadhopur, Kota, Karrauli, Dholpur
Haryana:	Yamunanagar, Rohtak
Himachal Pradesh:	Sirmour, Shimla & Kinnaur
Uttarakhand:	Dehradun

Flood Alerted Districts

Uttarakhand:	Districts in the basins of Alaknanda, Bhagirathi, Yamuna, Ramganga, Sharda, Sarju
UP:	Districts in Chambal, Yamuna, Ganga & Ghaghra basins

HP & Punjab:
J&K:

Districts in basins of Sutlej, Ravi, Beas, Yamuna and Ghaggar
Districts in Basins of Chenab & Jhelum.

Flood Affected and Alerted Districts in the Country

