

Daily Flood Situation Report cum Advisories
13-08-2019

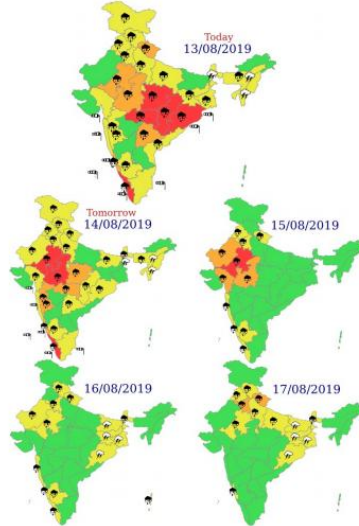
1.0 IMD information

1.1 Rainfall Situation

1.1.1 Amount of rainfall recorded at 0830 hours IST of today (5 cm or more) as per IMD

Name of Place (State)	Rainfall (in cm)
Madanpur (Odisha)	45
Kantamal (Odisha)	38
Baliguda (Odisha)	32
Saintala (Odisha)	31
Belgaon (Odisha)	29
Bolangir (Odisha)	26
Narla (Odisha)	24
Titlagarh (Odisha), Patnagarh (Odisha)	20 each
Dunguripalli & Khaprakhol (Odisha)	19 each
Ullunda & Turekela (Odisha),	17 each
Kesinga (Odisha)	16
Mangluru (Karnataka)	14
Panambur (Karnataka), Meja (UP), Kotagarh (Odisha)	13 each
Bantwal (Karnataka)	12
Katra (J&K), Sujampur Tira (HP), Pathankot & Shahpur Kandi (Punjab), Bhawanipatna, Phulbani & Alipingal (Odisha)	11 each
Puri (Odisha), Guler (HP), Koraon (UP), Vaikom & Hosdurg (Kerala), Bhagamandala (Karnataka)	10 each
Jammu (J&K), Sundergarh (Odisha), Nagrota Surian (HP), Madhopur & Malakpur (Punjab)	9 each
Bajpe & Agumbe (Karnataka), Ludhiana & Ranjit Sagar Dam Site (Punjab), Sambalpur & Baripada (Odisha)	8 each
Jalpaiguri & Diamond Harbour (WB), Gohar & Dehra Gopipur (Punjab)	7 each

1.1.2 Rainfall forecast for next 5 days issued on 13th August, 2019 (Midday) by IMD



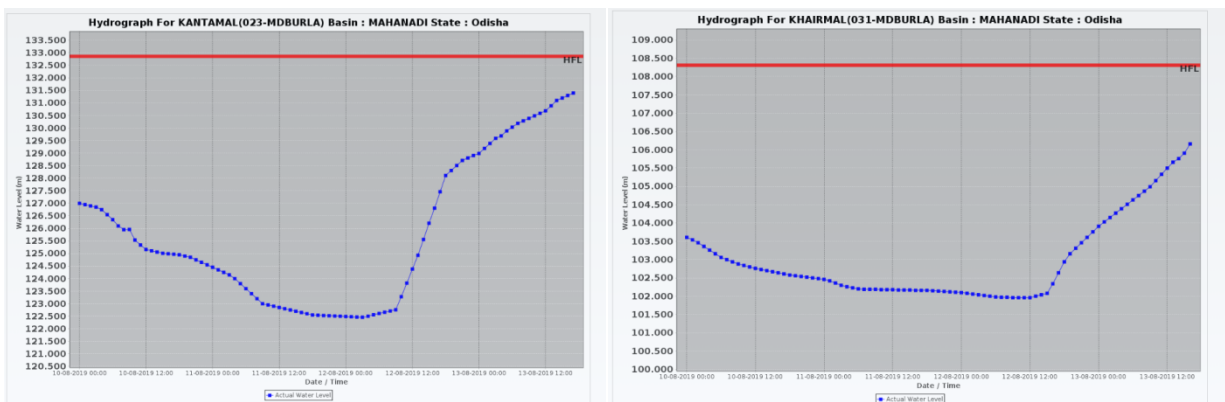
2.0 CWC inferences

2.1 Flood Situation as per actual/ forecasted rainfall situation



2.1.1 East Flowing Rivers of Mahanadi, Subarnarekha, Brahmani & Baitarni in Odisha & Chhattisgarh

Due to extremely heavy rain forecasted in association with the formation of a Low Pressure Area in North West Bay of Bengal, at one or two places in Odisha in the basins of Subarnarekha, Burhabalang, Brahmani, Baitarni, Mahanadi, Rushikulya, Vamsadhara, Nagavali, there may be rise in water levels in these basins. Extremely heavy rain has occurred in Tel Basin in around Kantamal. Due to this, river Tel is rising rapidly at Kantamal. River Mahanadi at Khairmal is also rising rapidly in association with extremely heavy rainfall in Lower Mahanadi Basin. The combined discharge of Mahanadi and Tel may exceed upto 7 Lakh cusec at Tikarpara on river Mahanadi by tomorrow. Hydrograph of Rivers Tel and Mahanadi is appended.



River Vamsadhara is in Severe Flood Situation in Kashinagar in Gajapati District of Odisha with rising trend. It is likely to remain steady for some more time.

In view of the forecasted rainfall may give rise to sudden rise in water levels in various basins in Odisha and Chhattisgarh. Dams in Mahanadi, Brahmani have storage of 52% and 19% respectively, while that in Indravathi and Sabari basins are more than 75% full. Releases from dams which have attained more than 80% storage such as Upper Indravathi Dam may be resorted to after proper warnings to downstream areas.

Mahanadi Basin in Chhattisgarh state is likely to get enhanced flow in view of the forecasted rainfall. The barrages on river may also get sudden inflows, hence, sufficient warnings to downstream areas may be given in this regard.

2.1.2 Godavari Basin in Maharashtra, Chhattisgarh, Odisha, Telangana and Andhra Pradesh

Rivers Indravathi, Sabari, Wainganga, Wardha, Pranhita and main river Godavari downstream of Sriramsagar Dam is likely to get sudden flows due to forecasted rainfall in these states during the next 3 days. Since most of the dams in Indravathi, Wainganga are more than 75% full, releases may be required after proper warnings to the downstream states. Due to forecasted rainfall in Upper Godavari basin, Strict watch is to be maintained for any rise in reservoir levels in Upper Godavari basin and releases, if any, should be done after proper information to downstream areas.

2.1.3 Krishna Basin in States of Maharashtra, Karnataka, Telangana and Andhra Pradesh

Due to ongoing extremely heavy rainfall for the past two weeks, the River Krishna and its tributaries which flowed in Extreme Flood Situation has started falling and is in severe flood situation in some of the sites. However, due to the forecast of heavy to very heavy rain in Ghat areas of Madhya Maharashtra on 14th and 15th August, there is likelihood of increase in flow in many of the rivers again. Since most of the dams are already at FRL, maximum care has to be exercised in operating the reservoirs during such rainy spells.

However, in Karnataka due to combined effect of Krishna, Ghataprabha, Malaprabha and Bhima, the inflows into major dams are around 4 to 5 lakh cusec in Almatti, Narayanpur dams in Vijayapura and Yadgir Districts of Karnataka. The combined inflow of Krishna and Bhima is being received in P D Jurala Project in Jogulamba Gadwal which is being released downstream to Srisailem Dam in Kurnool District of Andhra Pradesh. As Srisailem dam has reached very near to its Full reservoir Level (FRL), they have started releasing to Nagarjunasagar Dam in Nalgonda District of Telangana.

River Tungabhadra is also in floods in South Karnataka and is flowing in Severe to Extreme Flood Situation in many of the Hydrological Observation Stations in the districts of Shivamogga, Koppal, Davangere and Ballari. Tungabhadra Dam in Ballari District released heavily. Releases have reduced presently. Due to this releases, River Tungabhadra at Kurnool Town in Kurnool District, Andhra Pradesh is in Severe Flood Situation with steady trend. It is also adding to the inflows into Srisailem which is expected to receive an inflow of 10Lakh cusec tomorrow. This may be released to Nagarjunasagar. Accordingly, reservoir releases have to be planned and informed well in advance to downstream Pulichintala Project which has only 45TMC capacity which may get filled up in a single day. Similarly release has to be informed well in advance for taking flood precautions in downstream Cities of Andhra Pradesh..



2.1.4 Cauvery Basin in States of Kerala, Karnataka and Tamilnadu

Due to extremely heavy rainfall in upstream reaches in source regions of Cauvery and its tributaries for the past three days, 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.

Mettur Dam will be receiving the inflows from all upstream dams and is likely to get approximately about 5 to 6 TMC per day for next 24 hours and then significantly fall.

However forecast of heavy to very heavy rains have been issued in Wynad district of Kerala in the source regions of river Kabini on 14th and 15th August which may increase the flow in river Kabini in its source regions. This increase in flow may increase the inflows into Kabini Dam. Hence all precautionary measures including timely release of water has to be done from all dams in this basin.

2.1.5 West Flowing Rivers in Kerala and Karnataka

Since rainfall has reduced significantly, the flood situation in Kerala and Karnataka in these basins have eased. However, in view of the forecasted Heavy to very heavy rain for next 72 hours, strict vigil is to be maintained in all these river systems.

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.

2.1.7 Sutlej Basin

Due to heavy rain forecasted in HP, Haryana and Punjab for next 48 hours, there is possibility of rise in Water Levels of Rivers Sutlej, Ravi and Ghaggar. Necessary precautions have to be taken against flooding and inundation in these States.

Flood Affected Districts

Bihar:	North Bihar Districts
Assam:	Jorhat, Golaghat
Maharashtra:	Ratnagiri, Sindhudurg, Thane, Raigad, Palghar, Pune, Sholapur, Satara, Sangli, Kolhapur, Nasik
Karnataka:	Belagavi, Vijayapura, Bagalkote, Kalaburagi, Yadgir, Raichur, Dakshina Kannada, Udupi, Uttara Kannada, Chikmagalur, Hassan, Kodagu, Shivamogga, Mysuru, Mandya, Chamarajnagra, Koppal, Ballari
Kerala:	Kasargod, Kannur, Kozhikode, Wynad, Malappuram, Palakkad, Thrissur, Ernakulam, Idukki and Pattanamthitta
Tamilnadu:	Coimbatore, Nilgiris, Erode, Dharmapuri, Krishnagiri, Salem
Uttar Pradesh:	Badaun, Barabanki, Faizabad, Ballia

Flood Alerted Districts

Odisha:	Districts in basins of Subarnarekha, Brahmani, Baitarni, Mahanadi, Rushikulya, Vamsadhara, Nagavali, Indravathi, Sabari
Chhattisgarh:	Districts in the basins of Mahanadi, Indravathi, Sabari
Maharashtra:	Districts in the basins of Wainganga, Wardha, Pranhita
Telangana:	Districts in the basins of Godavari, Taliperu, Maner, Kaddam
Andhra Pradesh:	Districts in the basins of Godavari, Krishna, Nagavali, Vamsadhara
Uttarakhand:	Districts in the basins of Alaknanda, Yamuna, Ramganga, Sharda, Sarju
HP & Punjab:	Districts in basins of Sutlej, Ravi and Ghaggar.
Kerala:	Wynad, Kozhikode, Kannur, Malappuram Districts.

