



Daily Flood Situation Report cum Advisories
14-08-2019

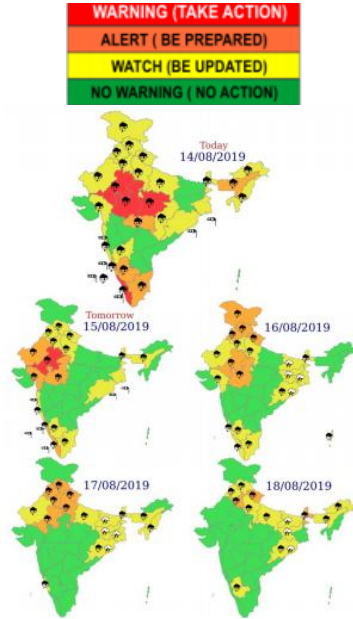
1.0 IMD information

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)
Bolangir (Odisha)	55
Sohela (Odisha)	20
Narayagarh (Haryana)	19
Bargarh (Odisha)	18
Chalakudy (Kerala), Bijepur (Odisha)	17 each
Gotegaon (MP)	16
Kantamal (Odisha), Peermade (Kerala)	15 each
Gokarna (Karnataka)	14
Bramhapuri (Maharashtra), Agalpur & Atabira (Odisha), Cherthala (Kerala)	13 each
Satna (MP), Dunguripalli, Loisingha & Kolabira (Odisha), Agathi & Enamackel (Kerala), Kheri (HP), Londa (Karnataka)	12 each
Barpalli & Bamra (Odisha), Kozha, Vaikom, Kodungallur & Vadakara (Kerala), Namsai (Arunachal Pradesh), Vidisha (MP)	11 each
Honavar (Karnataka), Kottayam (Kerala), Kuchinda, Lakhanpur, Hemgiri & Paikmal (Odisha), Orai & Muzaffarnagar (UP), Gurdaspur (Punjab), Gohar (HP)	10 each
Cochin, Chengannur & Vallanikara (Kerala), Jajpur (Odisha), Dadhau (HP)	9 each
Katra (J & K), Narsinghpur, Damoh & Sagar (MP), Etah (UP), Pachhad & Nagrota surin (HP), Mawsynram (Meghalaya)	8 each

1.1.2 Rainfall forecast for next 5 days issued on 14th August, 2019 (Midday) by IMD



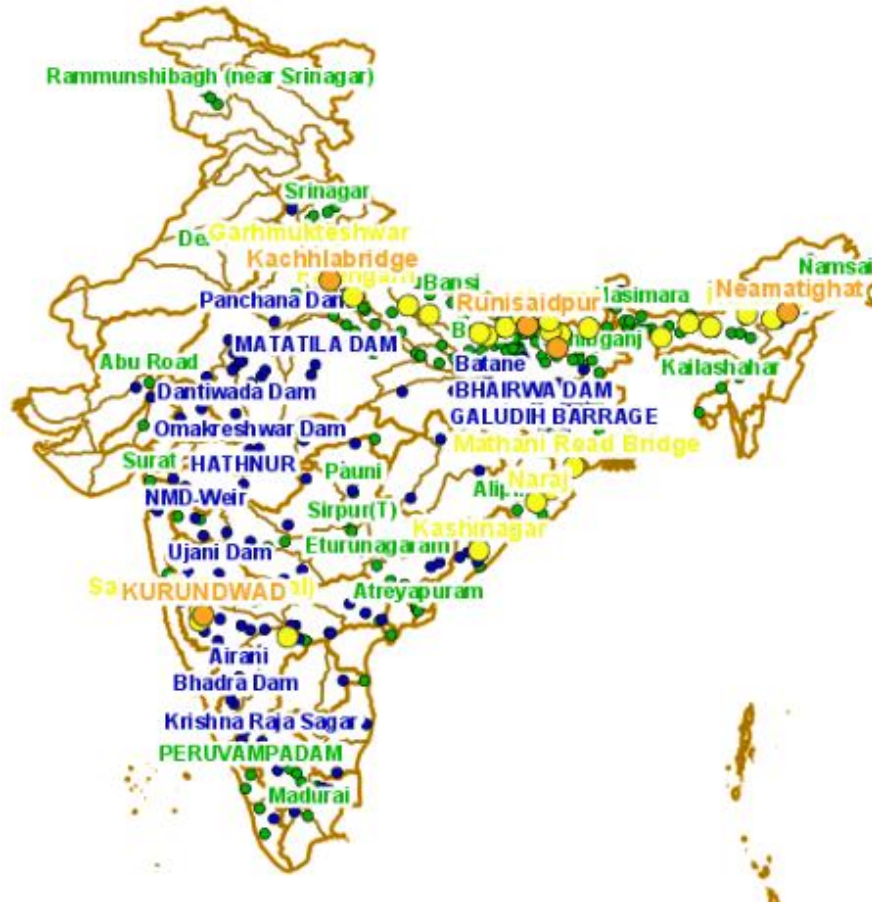


2.0 CWC inferences

2.1 Flood Situation as per actual/ forecasted rainfall situation

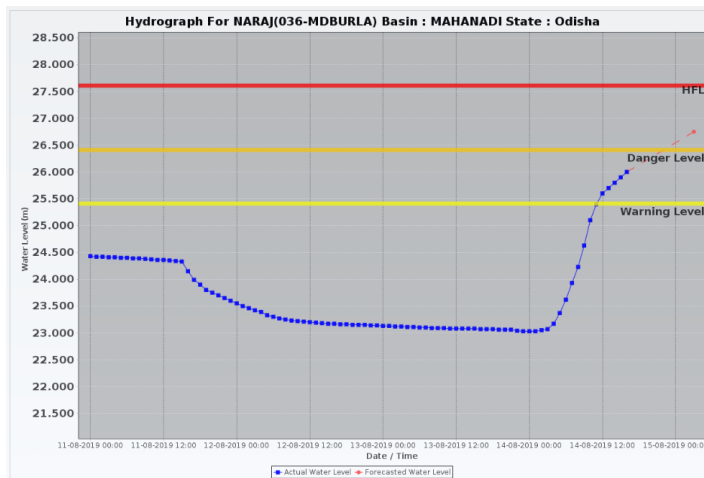
FLOOD SITUATION SUMMARY		
PART - I: LEVEL FORECAST		
S.No.	Flood Situations	Numbers of Forecasting Sites
A	Extreme Flood Situation: (Site (s) where the previous Highest Flood Level (HFL) is exceeded or equalled)	0
B	Severe Flood Situation: (Site (s) where water level is touching or exceeding the Danger Level but below Highest Flood Level (HFL))	5
C	Above Normal Flood Situation: (Site (s) where water level is touching or exceeding the Warning Level but below Danger Level)	23
D	Normal Flood Situation with Forecast: (Site (s) where water level is below Warning Level but Forecast Issued)	7
Total number of sites above Warning Level (A+B+C)		35
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)		27

For details pl visit: <http://cwc.gov.in/sites/default/files/cfcr-cwcdfb-14082019.pdf>



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

Due to ongoing rainfall in Odisha in the basins of Mahanadi and Vamsadhara, there may be rise in water levels in these basins. Extremely heavy rain has occurred in Lower Mahanadi Basin. Due to this, river Mahanadi and its tributaries are rising. River Mahandi at Naraj in Cuttack District is expected to flow in Severe Flood Situation tomorrow 15th August and then slowly fall as the rainfall has reduced in Mahanadi Basin. Hydrograph of River Mahanadi at Naraj is appended.



River Vamsadhara is in Above Normal Flood Situation in Kashinagar in Gajapathi District of Odisha and is expected to fall further.

2.1.2 Narmada, Tapi Basin in Madhya Pradesh, maharashtra & Gujarat

In view of the forecasted rainfall in Narmada and Tapi Basin in Madhya Pradesh, there is likelihood of rapid rise in Water Levels in Mandla, Seoni, Chhindwara, Betul, Hoshangabad, Dewas, Indore, Burhanpur, West and East Nimar Districts. Most of the dams in Narmada Basin have more than 80% storage. Storage in Bargi, Tawa and Indirasagar are 91%, 90% and 83% and any huge inflow due to the heavy rainfall forecast may increase the reservoir levels and would force to release excess water. Reservoir releases have to be done after informing all stake holders well in advance including those in downstream States.

River Tapi is also likely to get heavy inflows into Hatnur and the releases from Hatnur will be inflows to Ukai Dam. In view of the forecasted rainfall in the catchment areas of the river in Madhya Pradesh, strict vigil may be maintained in dam reservoir regulations.

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 3 to 4 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 Srisaialam Dam in Kurnool District of Andhra Pradesh. As Srisaialam 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 was 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 significantly. Due to this releases, Inflows into Srisaialam has also decreased slightly. However, the releases from Srisaialam is being maintained and that from NS Dam and Pulichintala project is flowing to Prakasam Barrage. Downstream of Prakasam Barrage, river Krishna at Avanigadda is rising rapidly. However, it may flow in Above Normal Flood Situation tomorrow.

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. There is forecast of extremely heavy rainfall in Kodagu, Hassan, Chickmagalur districts and heavy to very heavy rain in Wynad and Mysuru districts for 15th August 2019. Hence maximum caution has to be exercised in releasing excess flow as most of the dams are very near FRL.

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.

2.1.5 West Flowing Rivers in Kerala and Karnataka

In view of the forecasted extremely heavy rainfall in Malpuuram, Kozhikode and Kannur and very heavy rainfall in most of the districts for next 24 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

Maharashtra: 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 Mahanadi
Chhattisgarh: Districts in the basins of Mahanadi
Maharashtra: Districts in the basins of Wainganga, Wardha, Pranhita
Madhya Pradesh: Districts in Narmada, Tapi, Ken, Betwa, Chambal, Wainganga & Wardha
Telangana: Districts in the basins of Godavari, Taliperu, Maner, Kaddam
Andhra Pradesh: Districts in the basins of Godavari, Krishna
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

