



Daily Flood Situation Report cum Advisories

09-08-2019

1.0 IMD information

1.1 Rainfall Situation

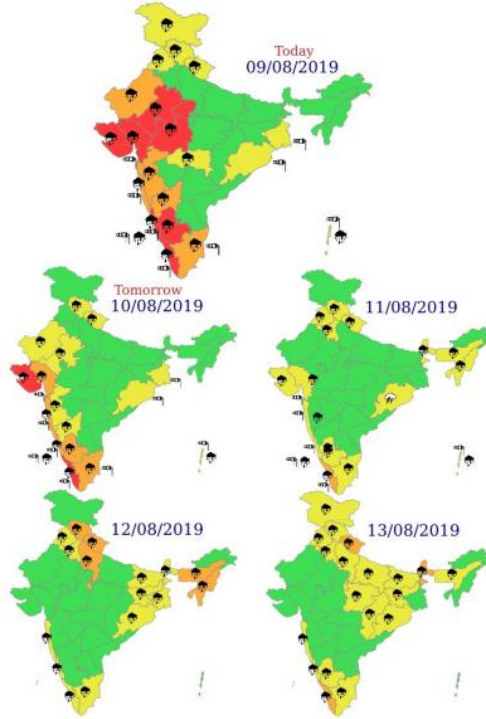
1.1.1 Amount of rainfall recorded at 0830 hours IST of today (20 cm or more) as per IMD

Name of Place (State)	Rainfall (in cm)
Avalanchi (Tamilnadu)	91
Upper Bhavani (Tamilnadu)	45
Alathur (Kerala), Bhagamandala & Angod (Karnataka)	40 each
Kunijala (Karnataka)	39
Chinnakallar (Tamilnadu)	37
Emerald (Tamilnadu)	36
Valparai (Tamilnadu)	35
Ottapalam (Kerala), Chhota Udaipur (Gujarat)	34 each
Mannarkkad (Kerala) & Heggade (Karnataka)	31 each
Vadakara (Kerala) & Yellapur (Karnataka)	30 each
Vythiri & Palakkad (Kerala)	29 each
Sholayar (Tamilnadu), Quant (Gujarat)	28 each
Dhadgaon (Maharashtra), Kalasa, Balur & Virajpet (Karnataka)	27 each
Ponnampet (Karnataka), Ambalavayal (Kerala), Devala (Tamilnadu)	26 each
Gudalur Bazar (Tamilnadu)	25
Chittur (Kerala)	24
Thekkadi (TN Kerala Border), Pattambi & Manjeri (Kerala)	23 each
Naduvattam (Tamilnadu), Chalakudi (Kerala)	22 each
Tarana (Madhya Pradesh), Shirpur (Maharashtra), Sringeri (Karnataka), Glenmorgan (Tamilnadu), Kochi Airport and Munnar (Kerala)	21 each
Periyar (TN Kerala Border), Kopa (Karnataka), Kuppady (Kerala)	20 each



1.1.2 Rainfall forecast for next 5 days issued on 9th August, 2019 (Midday) by IMD

WARNING (TAKE ACTION)
ALERT (BE PREPARED)
WATCH (BE UPDATED)
NO WARNING (NO ACTION)



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)	4
B	Severe Flood Situation: (Site (s) where water level is touching or exceeding the Danger Level but below Highest Flood Level (HFL))	9
C	Above Normal Flood Situation: (Site (s) where water level is touching or exceeding the Warning Level but below Danger Level)	31
D	Normal Flood Situation with Forecast: (Site (s) where water level is below Warning Level but Forecast Issued)	5
Total number of sites above Warning Level (A+B+C)		49
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)		30

For Detailed Flood Bulletin follow link <http://cwc.gov.in/sites/default/files/cfcr-cwcdfb-09082019.pdf>



2.0 CWC inferences

2.1 Flood Situation

2.2.1 Flood Situation as per actual/ forecasted rainfall situation

IMD has forecasted heavy to very Heavy rain at few places with isolated Extremely Heavy rainfall in Madhya Pradesh, East Rajasthan, Gujarat, Konkan & Goa, Madhya Maharashtra, Kerala, Coastal and South Interior Karnataka on 10th August and at Kerala on 11th. Heavy to Very Heavy rain has also been forecasted in Madhya Maharashtra Konkan Goa, West Rajasthan Tamilnadu on 10th and 11th August 2019.

2.2. Godavari Basin

Due to extremely heavy rainfall for the last two days river levels in Indravathi, Sabari, Pranhita and Lower Godavari Basins in the States of Chhattisgarh, Maharashtra, Telangana and Andhra Pradesh are in Severe to Above Normal Floods. River Indravathi at Jagdalpur in Bastar District of Chhattisgarh and River Godavari at Kunavaram in East Godavari District of Andhra Pradesh are flowing in Severe Flood Situation. River Godavari is flowing in Above Normal Flood Situation at Eturunagaram in Jayashankar Bhupalapally Dist., Bhadrachalam in Bhadradi Kothagudem Dist in Telangana, Kunavaram and Dowlaiswaram in East Godavari Dist of Andhra Pradesh.

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

Due to ongoing extremely heavy rainfall for the past two weeks, river Krishna is in Extreme Floods at, Arjunwad, Kurundwad and its tributaries Panchganga and Varna are flowing in Extreme Flood Situation at Kurundwad, Terwad and Samdoli all in Kolhapur District respectively. Manual Gauge observations at these stations have been suspended as the river has submerged all the gauges and the revenue authorities are not allowing people to enter river front in view of very high flow in the river.

Since very heavy rainfall has been forecasted to continue for another 24 hours, Highest Level precautions have to be taken and advance release of water may have to be resorted to.

Due to heavy flows in river Krishna and from many of the tributaries of river Krishna in Maharashtra as well as heavy to extremely heavy rains in Belagavi, Vijayapura, Yadgir and Kalaburagi Districts of Karnataka, increased flows in river Krishna and its tributaries in Karnataka in the districts of Belagavi, Vijayapura, Bagalkote, Kalaburagi, Yadgir, Raichur are likely to face increased water levels. River Ghataprabha at Gokak is in Extreme Flood Situation for the past 4 days and has started falling. River Dudhganga at Sadalga in Belagavi District is also flowing in Extreme Flood Situation and is still rising. Since most of the dams and barrages in Karnataka and Telangana on river Krishna are already very near Full Reservoir Level (FRL), there is likelihood of increased inflows into Srisaillam dam during the next 3-4 days which will take it very near the FRL by tomorrow. Releases can be increased accordingly as more than 4 Lakh cusec is expected at Srisaillam Dam tomorrow and is expected to continue for atleast 3 days. As river Tungabhadra is also in Extreme Flood Situation in many of the locations, T B Dam on river Tunga Bhadra may also attain its Full Reservoir Level in 2-3 days and may start releasing water which will be additional inflows in to Srisaillam after another 3 days and hence around 4 Lakh cusec may continue for 4-5 days during which period Nagarjunasagar Dam may get around 120 to 150 TMC of Water and storage in NS Dam may be reaching around 90% of its capacity.

2.2.5 West Flowing river between Tadri and Kanyakumari in Karnataka and Kerala

2.2.5.1 Karnataka

Due to extremely heavy rain in Dakshina Kannada, Udipi and Uttara Kannada District, most of the rivers in this basin is rising. Strict watch is to be maintained as the rainfall is likely to continue for another 48 hours. In view of the forecast of extremely heavy rainfall, strict vigil has to be maintained in all rivers and on road/rail bridges in these districts.



2.2.5.2 Kerala

Similarly, extremely heavy rains have been witnessed in Kerala in the districts of Kasargod, Kannur Kozhikode, Palakkad, Trichur, Ernakulam, Idukki, Kottayam and Pattanamthitta districts. Due to this continuing rainfall there is possibility of above normal to severe floods in the above districts. River Valapatnam at Perumannu in Kannur District, River Chaliyar at Kuniyil in Malappuram District, River Pulanthodu at Pulamantole in Palakkad District are flowing in Extreme Flood Situation and these rivers have crossed the HFL recorded in 2018 floods.

River Bharathapuzha at Kumbidi is flowing in Severe Flood Situation and is expected to rise further in view of continuing rains.

River Periyar flowed in Above Normal Flood Situation at Neeleswaram in Ernakulam District but has fallen to normalcy by evening.

River Pamba at Malakkara in Pattanamthitta district is flowing in Above Normal Flood Situation and is expected to fall to normalcy by midnight tonight.

However in view of the continuing rainfall forecast for next 3-4 days. Strict monitoring along river course has to be maintained.

Idukki Dam on river Periyar in Idukki District and Idamalayar Dam on river Idamalayar in Ernakulam districts are getting inflows. Since the dam levels at these reservoirs are very less, no immediate threat of flood due to dam releases will be seen. However, the situation has to be watched very closely by the project authorities.

2.2.6 Cauvery Basin in Kerala, Karnataka & Tamilnadu

2.2.6.1 Kerala & Karnataka

Due to the ongoing extremely heavy rainfall in the districts of Kodagu, Hassan, Chikmagalur in Karnataka and Wynad District in Kerala, rivers Cauvery, Harangi, Hemavathi and Kabini are rising rapidly. River Hemavathi at Sakleshpur in Hassan district is flowing in Extreme Flood Situation. River Cauvery is flowing in Severe Flood Situation at Kudige in Kodagu District and is rising in Chunchunkatte in Mysuru District. Due to releases from Kabini Dam, river Kabini at T'Narsipur is rising and flowing in Severe Flood Situation.

As at 1800 hrs of today

1. Kabini Dam on river Kabini in Mysuru District is receiving an inflow of 1,01,500 cusec and is releasing 1,00,000 cusec. Other dams in Kabini Sub-basin such as Banasursagar dam in Wynad District of Kerala is releasing 3500 cusec from 9 AM of today Nugu Dam is releasing 8242 cusec and Taraka Reservoir is releasing 9300 cusec.

The releases from Kabini will be affecting the districts of Mysuru at Nanjangud, Thirumukudal Narasipur (T'Narsipur) and then joins Cauvery at Kollegal in Chamarajnagra District of Karnataka. After, Kollegal, the river crosses into Tamilnadu and reaches Biligundulu site in Dharmapuri District of Tamilnadu and then to Mettur Dam in Salem District. Since Mettur Dam is having very low storage these inflows will increase the storage in reservoir.

2. Hemavathi Dam in Hassan District of Karnataka is receiving an inflow of 1,09,000 cusec and an outflow of 60,000 cusec is being released into Hemavathi. River Hemavathi at Akkihebbal in Hassan District is rising due to this and is expected to be in Severe Flood Situation. The water from Hemavathi will be inflows into Krishna Raja Sagar Dam on main Cauvery.
3. Harangi Dam on river Harangi is also near FRL and is releasing 18,000 cusec of water which will confluence river Cauvery upstream of Kudige. River Cauvery is rising all along its course in Kodagu and Mysuru Districts.
4. Krishna Raja Sagar Dam is getting an inflow of 73,284 cusec and is 50% full. Since discharges of the order of more than 1,00,000 cusec is expected in another 2-3 days in view of the rainfall prediction, this dam may also get filled up and release.

2.2.6.2 Tamilnadu

Coimbatore and Nilgiris District of Tamilnadu are getting extremely heavy rains with Avalanchi in Nilgiris District of Tamilnadu recording a rainfall of 91 cm. During the last 3 days around 200 cm of rainfall has been recorded in this station. Upper Bhavani Project has also received about 100 cm of rainfall in 3 days. Due to this rainfall, river Bhavani is rising rapidly along its course in Tamilnadu and Kerala which will increase the flow into Bhavanisagar Dam in Erode District of Tamilnadu. In view of continuing rain in Ghat areas of Tamilnadu, there is likelihood of rise in water levels in many of the Hill Rivers such as Moyar, Kundah which may inundate small causeways in the roads or which necessary advisories for road users have to be given. Inflows into Bhavanisagar are expected to continue for atleast 2-3 days which may take it very near to its Full Reservoir Level.

2.2.7 Narmada & Tapi Basin in Maharashtra, Madhya Pradesh and Gujarat

Due to expected extremely heavy rainfall in West Madhya Pradesh, Gujarat, there is likelihood of rise in Water Levels on river Narmada, River Narmada at Bharuch is flowing in Above Normal Flood Situation and is likely to rise to Severe Flood Situation. Sardar Sarovar Dam on river Narmada is also expected to get an inflow of around 8500 cumec but with falling trend. River Tapi is rising upstream of Hatnur Dam which will increase the inflows into Hatnur Dam. Releases from Hatnur Dam and heavy rain in the downstream reaches are giving inflows in to Ukai Dam in Gujarat. Necessary precaution for proper regulation has to be taken to avoid downstream flooding.

2.2.8 Chambal Basin in Madhya Pradesh and East Rajasthan

River Chambal at Gandhisagar Dam in Mandsaur District is realizing heavy inflows in view of the rain in Ujjain, Indore, Mandsaur Districts. Due to rainfall forecast, this is likely to increase. However, the dam is having sufficient storage to account for incoming floods.

2.2.9 Mahi Basin in Madhya Pradesh, East Rajasthan and Gujarat

Due to heavy rainfall occurring in Mahi Basin, inflows are increasing in Mahi Bajaj Sagar Dam in Rajasthan and Kadana Dam in Gujarat. However, there is sufficient storage capacities in both the dams to observe the incoming floods.

2.2.10 Assam

Rivers Brahmaputra is flowing in above normal to Severe Flood Situation in the districts of Jorhat. This is likely to continue in Severe to Above Normal Flood for the next 2-3 days.

2.2.11 Bihar & UP

Rivers Bagmati, Kosi continue in Severe Flood Situation. This is likely to continue for another 2-3days in Bihar and then slowly fall as rainfall is not forecasted in Bihar. Rivers Ghaghra and Ganga are flowing in Severe Flood Situation at Barabanki and Badaun District of UP and is likely to continue for 1-2 days.

Flood Affected Districts include:

Bihar:	North Bihar Districts
Assam:	Jorhat, Golaghat & Sonitpur
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 Mysuru, and Shivamogga.
Kerala:	Kasargod, Kannur, Wynad, Kozhikode, Malapuram, Palakkad
Tamilnadu:	Coimbatore and Nilgiris



Flood Alerted Districts include:

Maharashtra:	Districts in the basins of Wainganga, Wardha, Pranhita, Penganga
Gujarat:	Surat, Vapi, Tapi, Dangs, Narmada
Dadra Nagar Haveli:	Silvassa
Daman & Diu:	Daman
Chhattisgarh:	Districts in the basins of Mahanadi, Indravathi, Sabari
Karnataka:	Ballari, Koppal, Chamarajnagra
Kerala:	Idukki, Ernakulam, Thrissur
Tamilnadu:	Coimbatore, Nilgiris, Erode, Dharmapuri, Krishnagiri, Salem
Madhya Pradesh:	Districts in the basins of Narmada, Tapi, Mahi, Chambal.
Gujarat:	Districts in Damanganga, Narmada, Tapi, Mahi and Sabarmati
Rajasthan:	Districts in Mahi, Luni, Sabarmati, Chambal.





Flood Affected and Alerted areas in the Country

