



Central Water Commission
Daily Flood Situation Report cum Advisories
03-07-2019

1.0 IMD information

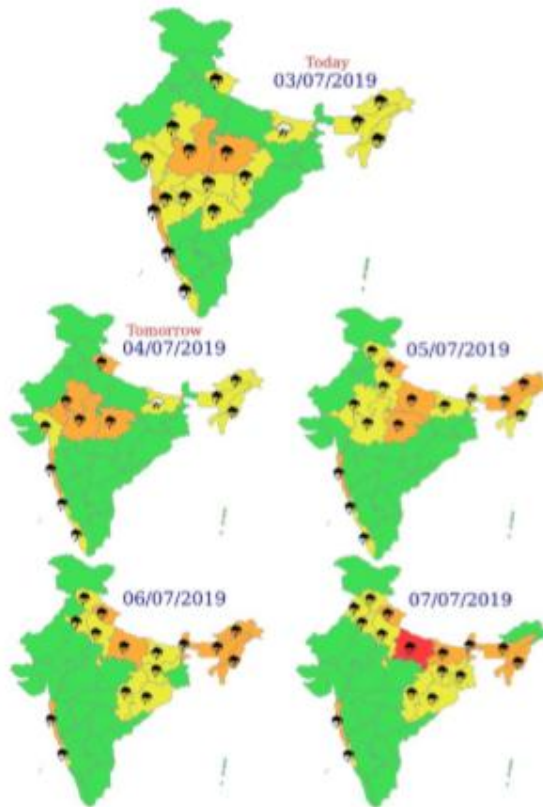
1.1 Rainfall Situation

1.1.1 Amount of rainfall recorded at 0830 hours IST of today (15 cm or more) as per IMD

Name of Place (State)	Rainfall (in cm)
Lunglei (Mizoram)	21
North Lakhimpur (Assam), Koyna (Maharashtra)	19 each
Jabalpur (Rajasthan)	18
Bodhan (Telangana)	13
Khandwa (MP)	11
Jamshedpur (MP), Chikhali (Maharashtra), Mokokchung (Nagaland)	10 each
Haldia (WB), Jalna, Jafrabad (Maharashtra), Peermade (Kerala), Tendukheda (MP), Patan (Gujarat)	9 each
Itanagar (Arunachal Pradesh), Palghar, Talasari, Roha (Maharashtra), Buxwaha (MP), Yedapalle (Telangana)	8 each
Gondia, Buldhana, Mahabaleshwar, Tamini, Poladpur, Chikhaldara (Maharashtra), Nizamabad (Telangana), Katni, Damoh (MP), Chouldhowaghat, Amraghat, Annapurnaghat (Assam), Unjha (Gujarat), Yellapura (Karnataka), Rajoli (Telangana)	7 each
Silchar, Numaligarh (Assam), Indore (MP), Rajnandgaon, Chattisgarh, Washim (Maharashtra)	6 each
NT Road Xing Jia Bharali, Matijuri (Assam)	5 each

1.1.2 Rainfall forecast for next 5 days issued on 3rd July, 2019 (Midday) by IMD

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



2.0 CWC inferences

2.1 Flood Situation on 3rd July 2019

2.1.1 Summary of Flood Situation as per CWC Flood forecasting network

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))	0
C	Above Normal Flood Situation: (Site (s) where water level is touching or exceeding the Warning Level but below Danger Level)	10
Total number of sites above Warning Level (A+B+C)		10
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)		2

2.1.2 Above Normal

River Station	District State	Warning Level (m)	Danger Level (m)	Highest flood Level (m) Date	Actual level	Forecasted Level
					Trend Time	Trend Date
Bagmati	Sitamarhi	69.1	70.1	73.0	69.38	69.38
Dheng Bridge	Bihar			2017-08-13	Steady 14:00	Steady 4/7/2019 06:00:00
Brahmaputra	Dhubri	27.62	28.62	30.36	28.23	28.2
Dhubri	Assam			1988-08-28	Steady 12:00	Falling 3/7/2019 21:00:00
Brahmaputra	Goalpara	35.27	36.27	37.43	35.36	35.2
Goalpara	Assam			1954-07-31	Falling 12:00	Falling 4/7/2019 06:00:00
Jiabharali	Sonitpur	76.0	77.0	78.5	76.95	
NT Road Crossing Jia-Bharali	Assam			2007-07-26	Falling 14:00	
Brahmaputra	Jorhat	84.04	85.04	87.37	84.99	84.94
Neamatighat	Assam			1991-07-11	Steady 14:00	Steady 4/7/2019 09:00:00
Dhansiri (South)	Golaghat	76.42	77.42	80.16	76.49	76.66
Numaligarh	Assam			2018-08-03	Rising 13:00	Rising 3/7/2019 22:00:00
Puthimari	Kamrup	50.81	51.81	55.08	51.3	51.3
Puthimari NH Rd Xing	Assam			2008-08-31	Rising 12:00	Rising 3/7/2019 22:00:00
Dikhow	Sibsagar	91.4	92.4	94.23	91.44	
Sivasagar	Assam			2018-08-01	Rising 14:00	
Brahmaputra	Sonitpur	64.23	65.23	66.59	64.33	64.18
Tezpur	Assam			1988-08-27	Falling 14:00	Falling 4/7/2019 09:00:00
Bagmati	Sitamarhi	52.73	53.73	58.15	53.17	53.16
Runisaidpur	Bihar			2017-08-14	Falling 14:00	Steady 4/7/2019 06:00:00

2.1.3 Reservoir

Name of River	Flood Forecasting Site	District	State	FRL (m)	MWL (m)	Actual Level			Forecast			
						Level (m)	Time	Trend	Average Inflow (Cumec)	Trend	Date	Time
Bhadra	Bhadra Dam	Chikmagalur	Karnataka	657.75	657.75	638.65967	08:00	Rising	95.01	Steady	4/7/2019	08:00:00
Tunga	Upper Tunga Project	Shimoga	Karnataka	588.24	588.24	588.2396	08:00	Rising	135.0	Rising	4/7/2019	08:00:00

2.2 Flood Situation as per actual/forecasted rainfall situation

2.2.1 Breach of Tiware Dam in Chiplun Taluk Ratnagiri Dist Maharashtra

Tiware Dam is a minor Irrigation Tank in Chiplun Taluk of Ratnagiri Dist in Maharashtra. The capacity of the dam is 0.08 TMC. This is about 15 year old structure. The dam is owned by Water conservation Department, Government of Maharashtra and it is classified as a minor irrigation tank.

South West Monsoon set in over Ratnagiri district on 20th June 2019 with a delay of about 10 days. During the period 1st June to 2nd July 2019, Chiplun Taluk had a rainfall of 739.4 mm compared to its normal of 917.2. However, this 739.4 mm was recorded during the period 26th and 2nd July 2019.

The dam got breached causing flood like situation in 7 downstream villages. As per news report, about 6 people have been killed and about 23 people missing from nearby hamlet. According to State Relief Department about 23 people are missing and one NDRF team from Sindhudurg and Pune are being moved to Tiware Dam.

2.2.2 Flood Situation as per actual/forecasted rainfall situation

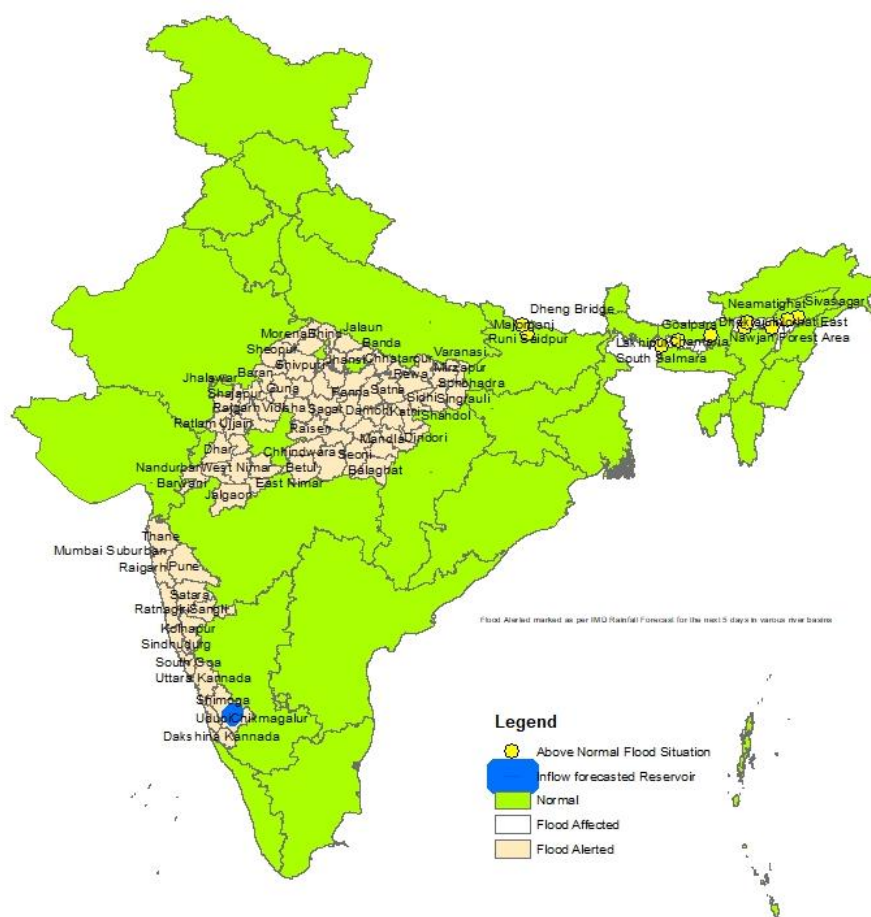
IMD has forecasted heavy to very heavy rainfall with isolated extremely heavy rainfall in Eastern Uttar Pradesh on 8th July 2019. and heavy to very heavy rainfall over Konkan & Goa, Chhattisgarh, Madhya Pradesh, East UP between 4th to 7th July 2019.

Due to this warning, there is likelihood of rise in Water Levels in various river basins and the likely impact of these rains as inferred from rainfall runoff model run for 3 days advisory forecast is detailed as under:

Basin/Region	Likely Impact
Mumbai	Due to very heavy rainfall forecast for the next 5 days in Konkan areas there is likelihood of urban flooding (Water Logging and Drainage Congestion) and associated inundation in view of the high tides associated with severe monsoon conditions in West Central Arabian Sea. Proper precautionary measures shall continue.
West Flowing Rivers Basin	Rivers having source in Western Ghats and flowing into Arabian Sea may witness flash floods in association with the forecasted rainfall during the next 5 days. Necessary precautions in the old bridges along the highways and along the Konkan Railway routes as well as in small irrigation tanks and dams along the foot hills of Western Ghats in Maharashtra, Karnataka needs be taken as flow may increase suddenly along the course of these rivers/ projects in districts of Thane, Raigad, Ratnagiri, Sindhudurg in Maharashtra, Goa, Uttara Kannada, Udupi and Dakshina Kannada Districts of Karnataka.
Krishna Basin	River Krishna and its tributaries are rising in upstream districts of Satara, Sangli, Kolhapur, Pune, Sholapur districts in Maharashtra. Since most of the dams in Krishna Basin are having very low storage presently, the inflows into Dams in Maharashtra and Karnataka may increase with the forecasted rainfall but still expected to be far below FRL.

Narmada Basin	In view of the rainfall forecast in MP and Vidarbha during the next 3 days, there is likelihood of rapid rise in Water Levels in Narmada and its tributaries. Since most of the dams have very low storage, this may help in increasing the storage in dams such as Barna, Tawa, Indirasagar, Omkareshwar and Sardar Sarovar Dams.
Tapi Basin	In view of the rainfall forecast in MP and Vidarbha during the next 3 days, there is likelihood of rapid rise in Water Levels in Tapi and its tributaries. Since most of the dams have very low storage, this may help in increasing the storage in dams such as Hatnur and Ukai Dams.
Ganga Basin	In view of the rainfall forecast in MP and Eastern UP and East Rajasthan for the next 3 to 5 days, there is likelihood of rapid rise in Water Levels in Ganga and its tributaries such as Ken, Betwa, Chambal, Yamuna, Tons and Sone. Necessary precautionary measures have to be taken. However, the dams in Ken, Betwa and Sone rivers are very low, this rainfall may help in increasing the storage level in the projects in these basins. However, they will still be far below FRL.

Map showing Flood Situation on 03.07.2019 and the Districts Alerted for next 5 days



Flood Alerted Districts for next 5 days include:

Maharashtra: Raigad, Thane, Ratnagiri, Sindhudurg
Goa: North & South Goa
Karnataka: Uttara Kannada, Udupi and Dakshina Kannada
Madhya Pradesh: Districts covering rivers Narmada, Mahe, Ken, Betwa, Sone, Chambal
Uttar Pradesh: Districts covering rivers Yamuna, Betwa, Sone, Ganga