



Central Water Commission
Daily Flood Situation Report cum Advisories
02-07-2019

1.0 IMD information

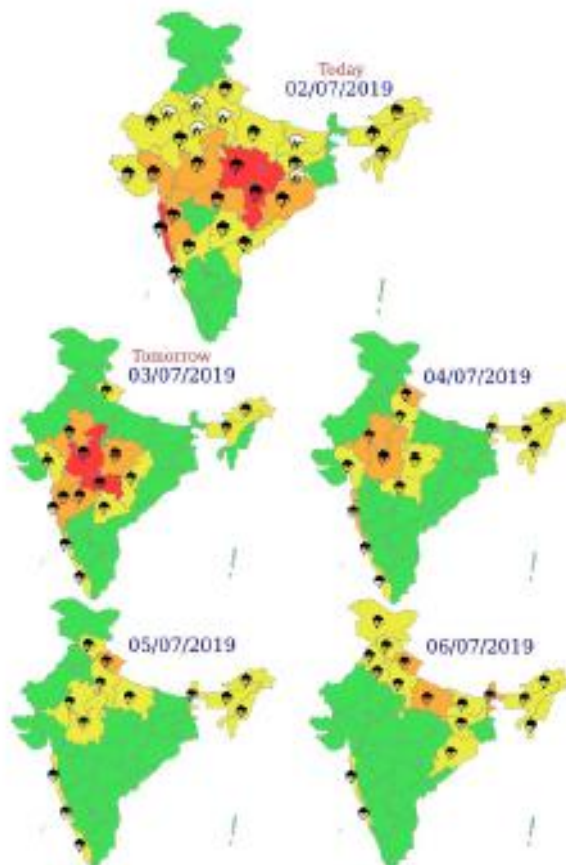
1.1 Rainfall Situation

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)
Tulsi lake (Maharashtra)	50
Dharavi (Maharashtra)	39 each
Palghar (Maharashtra)	38
Mumbai (Maharashtra)	37
Vasai (Maharashtra)	32
Thane (Maharashtra)	28
Mangaon (Maharashtra)	27
Mhasla (Maharashtra)	26
Tala, Panvel, Shirgaon (Maharashtra)	23 each
Ulhasnagar (Maharashtra)	21
Pen, Ambone, Koyna (Maharashtra)	20 each
Matheran, Dahanu Khopoli & Roha (Maharashtra), Silvassa (Dadra & Nagar Haveli)	19 each
Mahabaleshwar, Mandangad, Dawdi & Tamini (Maharashtra)	18 each
Solachar, Kalyan, Poladpur & Lonavala (Maharashtra)	17 each
Madhuban Dam (Gujarat), Ambernath, Khalapur & Dunderwadi (Maharashtra)	16 each
Durvesh, Murud & Walvan (Maharashtra)	15 each

1.1.2 Rainfall forecast for next 5 days issued on 2nd 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

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))	1
C	Above Normal Flood Situation: (Site (s) where water level is touching or exceeding the Warning Level but below Danger Level)	7
Total number of sites above Warning Level (A+B+C)		8
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 Severe Flood Situation

River	District	Warning Level (m)	Danger Level (m)	Highest flood Level (m)	Actual level	Forecasted Level
Station	State			Date	Trend Time	Trend Date
Brahmaputra	Jorhat	84.04	85.04	87.37	85.15	84.94
Neamatighat	Assam			1991-07-11	Falling 14:00	Falling 3/7/2019 09:00:00

2.1.3 Above Normal

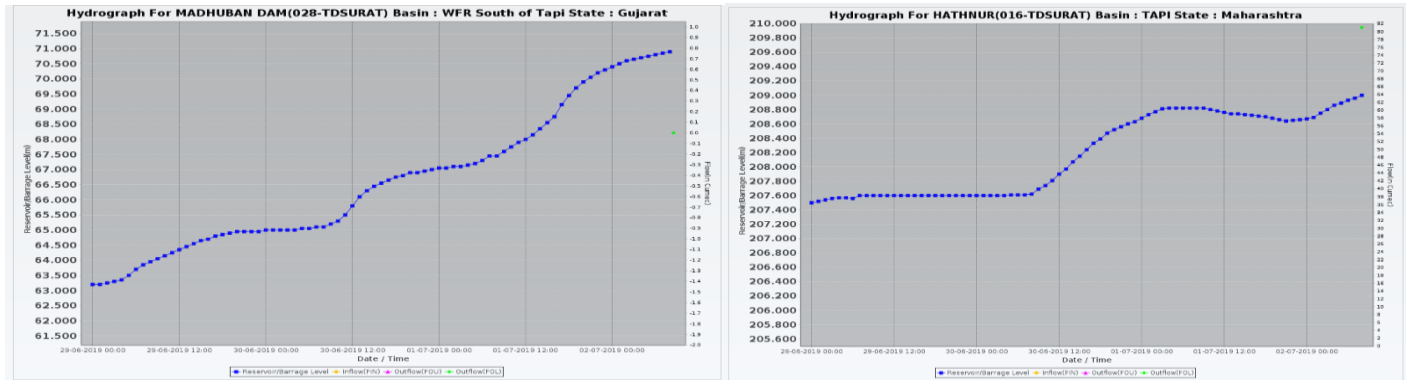
River	District	Warning Level (m)	Danger Level (m)	Highest flood Level (m)	Actual level	Forecasted Level
Station	State			Date	Trend Time	Trend Date
Bagmati	Sitamarhi	69.1	70.1	73.0	69.38	69.4
Dheng Bridge	Bihar			2017-08-13	Steady 14:00	Steady 3/7/2019 06:00:00
Brahmaputra	Dhubri	27.62	28.62	30.36	28.18	28.16
Dhubri	Assam			1988-08-28	Rising 12:00	Steady 2/7/2019 21:00:00
Brahmaputra	Goalpara	35.27	36.27	37.43	35.48	35.4
Goalpara	Assam			1954-07-31	Falling 12:00	Steady 3/7/2019 06:00:00
Brahmaputra	Kamrup	48.68	49.68	51.46	48.72	48.5
Guwahati(D.C.Court)	Assam			2004-07-21	Falling 12:00	Falling 3/7/2019 06:00:00
Jiabharali	Sonitpur	76.0	77.0	78.5	76.9	76.82
NT Road Crossing Jia-Bharali	Assam			2007-07-26	Steady 14:00	Steady 2/7/2019 15:00:00
Brahmaputra	Sonitpur	64.23	65.23	66.59	64.53	64.35
Tezpur	Assam			1988-08-27	Falling 14:00	Falling 3/7/2019 09:00:00
Bagmati	Sitamarhi	52.73	53.73	58.15	53.04	53.04
Runisaidpur	Bihar			2017-08-14	Falling 14:00	Falling 3/7/2019 06:00:00

2.1.4 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	638.4798	08:00	Rising	75.0	Steady	3/7/2019	08:00:00
Tunga	Upper Tunga Project	Shimoga	Karnataka	588.24	588.24	588.0171	08:00	Rising	85.0	Steady	3/7/2019	08:00:00

2.2 Flood Situation as per actual/ forecasted rainfall situation

Due to heavy to very heavy rainfall which occurred in Maharashtra, Gujarat, the dam level in Tapi and Damanganga basins are rising in Hatnur Dam in Jalgaon District of Maharashtra and Madhuban Dam in Valsad District of Gujarat, however, presently these are much below FRL Hydrograph is appended.

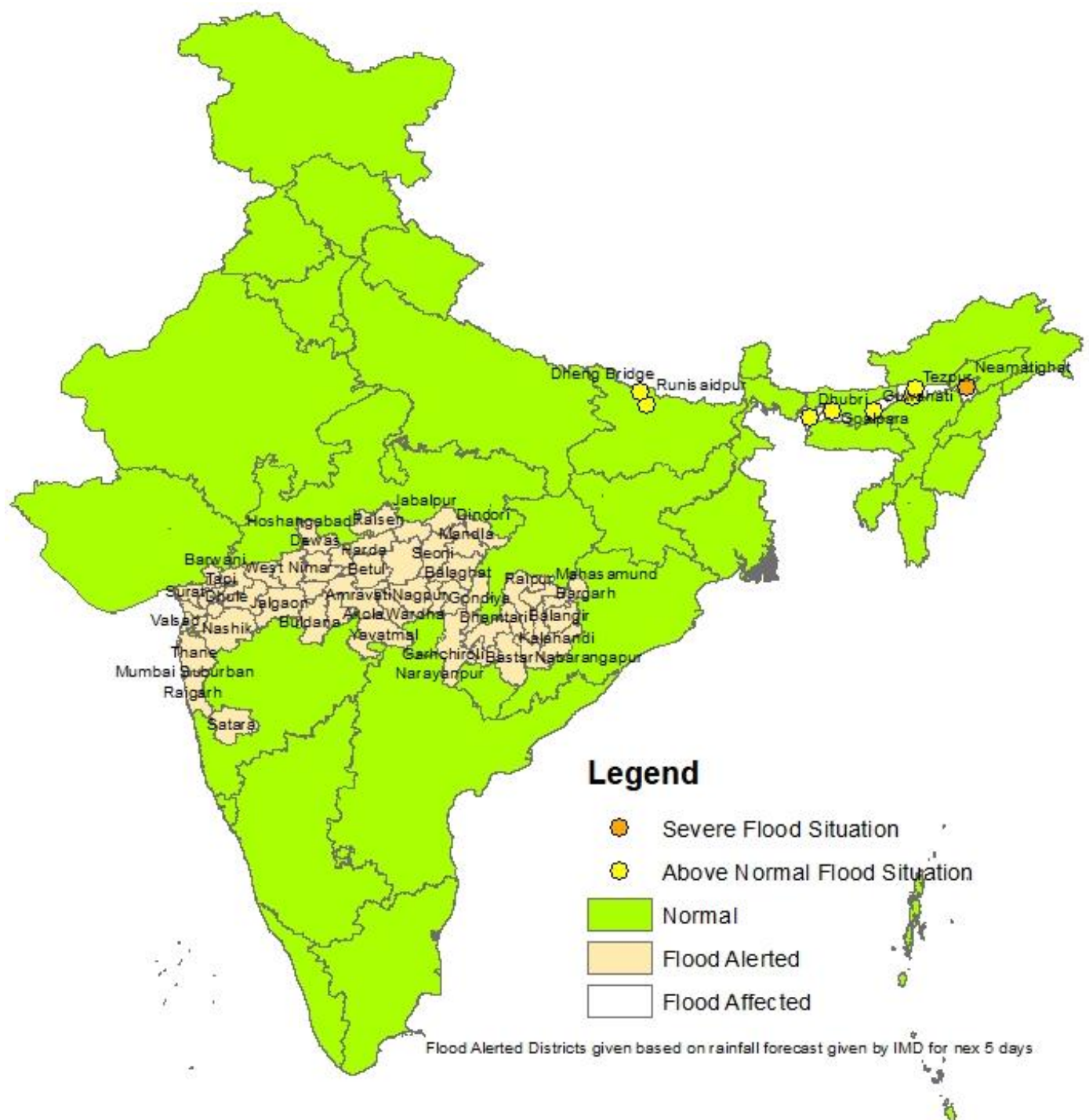


IMD has forecasted heavy to very heavy rainfall at a few places with isolated extremely heavy falls over Konkan & Goa, Chhattisgarh, East Madhya Pradesh on 3rd July, West Madhya Pradesh and Vidarbha on 4th July.

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
Damanganga Basin	Rapid rise in water level in Damanganga basin in the districts of Nasik in Maharashtra, Valsad in Gujarat and Silvassa in UT of Dadra and Nagar Haveli, Daman in UT of Daman and Diu during the next 48 hours. Madhuban Dam in Valsad Dist of Gujarat is getting rapid inflows which is increasing the water level and storage in the reservoir, but still is very much below Full Reservoir Level (FRL).
Mumbai	Due to extremely heavy rainfall already observed in many of the area of Mumbai and its suburbs as well as forecast of very heavy rainfall forecast with isolated extremely heavy rainfall in North Konkan on 3rd July 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 may continue. There is forecast of reduction in rainfall from 4th July onwards but stray isolated heavy rainfall has been forecasted till 7th July.
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 needs be taken as flow may increase suddenly along the course of these rivers 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 likely to rise 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.
Godavari Basin	In view of the rainfall forecast in East MP and Vidarbha during the next 3 days, there is likelihood of rapid rise in Water Levels in Wainganga, Wardha, Penganga and Pranhita, Purna and Pravara sub-basins of Godavari. Since most of the dams have very low storage, this may help in increasing the storage in dams such as Gosikhurd, Issapur, Yeldari Dams.
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.

Map showing Flood Situation on 02.07.2019 and the Districts affected



Flood Alerted Districts for next 5 days include:

Maharashtra:	Raigad, Thane, Ratnagiri, Sindhudurg, and Districts of Vidarbha Sub-Division
Goa:	North & South Goa
Karnataka:	Uttara Kannada, Udupi and Dakshina Kannada
Odisha:	Districts covering rivers Mahanadi, Indravathi, Sabari,
Chhattisgarh:	Districts covering rivers Mahanadi, Indravathi and Sabari
Telangana:	Districts covering rivers Wardha, Pranhita, Godavari, Maner, Manjira