



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

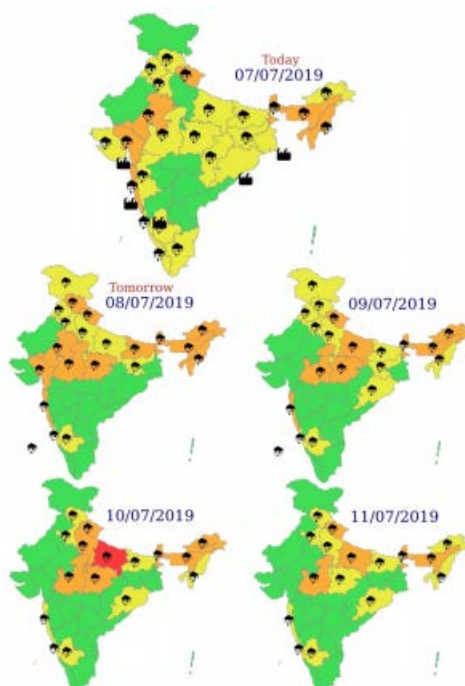
1.0 IMD information

1.1 Rainfall Situation

1.1.1 Amount of rainfall recorded at 0830 hours IST of today (9 cm or more) as per IMD

Name of Place (State)	Rainfall (in cm)
Vapi (Gujarat)	38
Daman (Daman & Diu), Koyna (Maharashtra), Silvassa (Dadra & Nagarhaveli)	30
Shirgaon (Maharashtra)	25
Mahabaleshwar (Maharashtra)	24
Tamini, Wada (Maharashtra)	23 each
Neemsar (Uttar Pradesh), Khanvel (Dadra & Nagarhaveli), Ozerkheda (Maharashtra)	22 each
Sohra (Meghalaya), Madhuban Dam, Bulsar & Valsad (Gujarat)	21 each
Nanipalsan (Dadra & Nagarhaveli)	20
Igatpuri, Lonavala (Maharashtra)	17 each
Pen (Maharashtra) & Hosanagara (Karnataka)	16 each
Nuzulganj (Madhya Pradesh), Dharavi, Matheran, Jawahar, Chiplun & Gaganbavda (Maharashtra)	15 each
Kalimpong and Singla Bazaar (West Bengal)	14 each
Triambakeshwar (Maharashtra)	13
Surajpur (Chhattisgarh), Kalyan, Karjat, Bhiwandi, Ambernath & Thane (Maharashtra), Kottigehera (Karnataka)	12 each
Jawali Medha, Peth & Talasari (Maharashtra), Manas N H Road Crossing & Mathanguri (Assam)	11 each
Begumganj (MP), Roha, Shahapur, Dahanu, Murbad, Ulhasnagar, Surgana, Patan, Ambegaon Godegaon & Velhe (Maharashtra), Aurangabad (Bihar)	10 each
Ambikapur (Chhattisgarh), Itchavar (MP), Pushkar (Rajasthan), Aie N H Road Crossing & Borpathar (Assam), Kuchinda (Odisha), Satara (Maharashtra)	9 each

1.1.2 Rainfall forecast for next 5 days issued on 7th July, 2019 (Midday) by IMD



- 2.0 CWC inferences
 2.1 Flood Situation
 2.1.1 Summary of Flood Situation as per CWC Flood Forecasting network

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))	4
C	Above Normal Flood Situation: (Site (s) where water level is touching or exceeding the Warning Level but below Danger Level)	4
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)		8

2.1.2 Severe Flood Situation

River Station	District State	Warning Level (m)	Danger Level (m)	Highest Flood Level (m) Date	Actual level Trend	Forecasted Level Trend
					Time	Date
Jiabharali	Sonitpur	76.0	77.0	78.5	77.55	77.58 Steady
NT Road Crossing Jia-Bharali	Assam			2007-07-26	Steady 13:00	7/7/2019 15:00:00
Brahmaputra	Jorhat	84.04	85.04	87.37	85.19	85.55 Rising
Neamatighat	Assam			1991-07-11	Rising 13:00	8/7/2019 09:00:00
Dhansiri (South)	Golaghat	76.42	77.42	80.16	77.54	77.55 Rising
Numaligarh	Assam			2018-08-03	Rising 13:00	7/7/2019 16:00:00
Bagmati	Sitamarhi	52.73	53.73	58.15	53.94	53.85 Steady
Runisaidpur	Bihar			2017-08-14	Falling 12:00	8/7/2019 06:00:00

2.1.3 Above Normal

Bagmati	Sitamarhi	69.1	70.1	73.0	69.41	69.4 Steady
Dheng Bridge	Bihar			2017-08-13	Rising 12:00	8/7/2019 06:00:00
Beki	Barpeta	44.1	45.1	46.2	44.71	44.85 Rising
Beki Road bridge	Assam			2000-08-04	Rising 13:00	7/7/2019 18:00:00
Brahmaputra	Dhubri	27.62	28.62	30.36	27.7	27.71 Steady
Dhubri	Assam			1988-08-28	Steady 13:00	7/7/2019 21:00:00
Brahmaputra	Sonitpur	64.23	65.23	66.59	64.26	64.34 Rising
Tezpur	Assam			1988-08-27	Rising 13:00	8/7/2019 09:00:00

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
Krishna	Hipparagi Barrage	Bijapur	Karnataka	531.4	531.4	521.19885	08:00	Rising	1200.0	Rising	8/7/2019	08:00:00
Koyna	Koyna Dam	Satara	Maharashtra	650.85		629.33887	08:00	Rising	1000.0	Rising	8/7/2019	08:00:00
Bhadra	Bhadra Dam	Chikmagalur	Karnataka	657.75	657.75	639.7752	08:00	Rising	180.0	Steady	8/7/2019	08:00:00
Krishna	Almati Dam	Bijapur	Karnataka	519.6	519.6	511.15	08:00	Rising	1420.0	Rising	8/7/2019	08:00:00
Hemavathi	Hemavathi Dam	Hassan	Karnataka	890.63		875.8948	08:00	Rising	380.0	Rising	8/7/2019	08:00:00
Kabini	Kabini Dam	Mysore	Karnataka	696.16		689.4484	08:00	Rising	340.0	Steady	8/7/2019	08:00:00
Cauvery	Krishna Raja Sagar	Mandya	Karnataka	752.49		739.30743	08:00	Rising	260.0	Rising	8/7/2019	08:00:00
Tunga	Upper Tunga Project	Shimoga	Karnataka	588.24	588.24	588.2396	08:00	Steady	340.0	Steady	8/7/2019	08:00:00

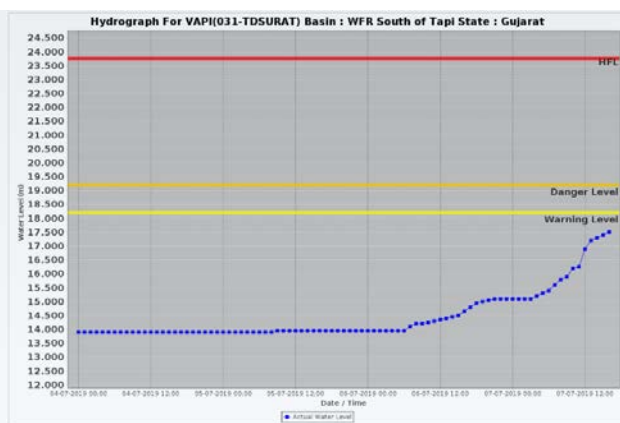
2.2 Flood Situation as per actual/forecasted rainfall

IMD has forecasted heavy to very heavy rainfall with isolated extremely heavy rainfall in UP on 11th July 2019 and heavy to very heavy rainfall over Konkan & Goa, Coastal Karnataka, Uttarakhand, Uttar Pradesh, Bihar, Assam & Meghalaya, Arunachal Pradesh Himachal Pradesh, Madhya Pradesh, Chhattisgarh and Odisha during the next 2-4 days from 8th July onwards.

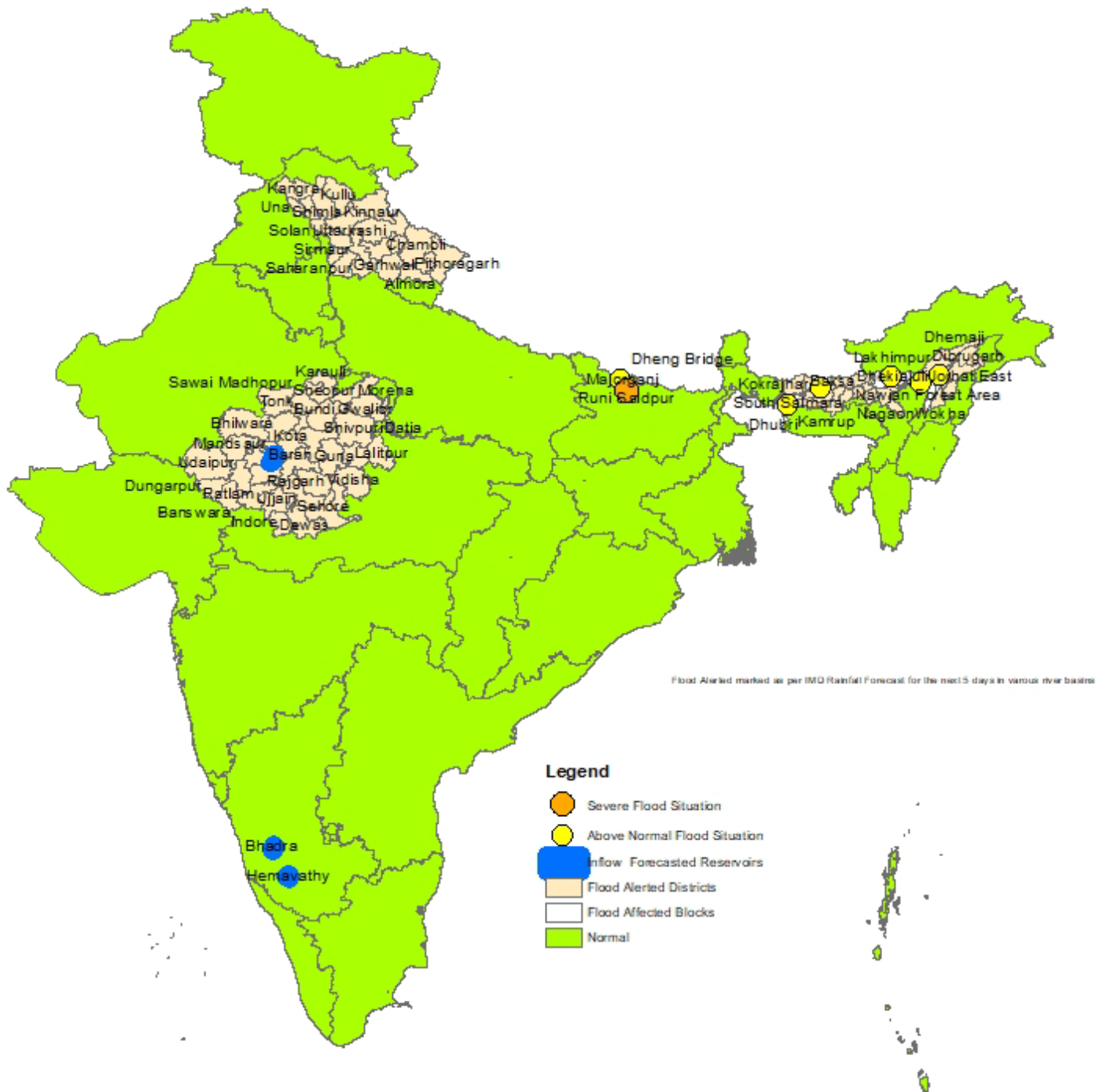
Due to this warning, there is likelihood of rise in Water Levels in various river basins and the likely impact of these rains as inferred from rainfall runoff model run for 3 days advisory forecast is detailed as under:

Damanganga Basin	Heavy inflows are coming into Madhuban Dam in view of Extremely heavy rainfall in its catchment areas. However, the level attained is still about 5 m below FRL. Dam is releasing water as the conservation level to be maintained in July has been reached. Due to this release as well as extremely heavy rain in Vapi, the river level is rising in Vapi Town in Valsad District of Gujarat and is very near Warning Level.
Narmada Basin	In view of the rainfall forecast in MP during the next 24 hours, 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. However, all the above dams will still be far below FRL.
Tapi Basin	In view of the rainfall forecast in MP during the next 24 hours, 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. However, all the above dams will still be far below FRL.
Mahi Basin	In view of the rainfall forecast in MP during the next 24 hours, there is likelihood of rapid rise in Water Levels in Mahi and its tributaries. Since most of the dams have very low storage, this may help in increasing the storage in dams such as Mahi Bajaj Sagar Dam, Som Kamla Amba Dams in Rajasthan. However, all the above dams will still be far below FRL.
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. 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. Necessary precautionary measures have to be taken. Some of the small dams in Hilly regions of Uttarakhand, HP, including small Hydro-electric power projects may get heavy inflows which may be released downstream as well as likelihood of flash floods in Hilly Catchments of Yamuna, Ganga, Sutlej.
Brahmaputra Basin	Due to the rainfall forecast on 9 th to 12 th July, there is possibility of rise in Water Levels in Brahmaputra and its tributaries. Situation has to be closely monitored depending on the actual rainfall situation.

Madhuban Dam is getting very heavy inflows and is releasing water which is increasing the water level at Vapi Town in Valsad District of Gujarat which is nearing Warning Level.



Map showing Flood Situation on 07.07.2019 and the Districts Alerted for next 5 days



Flood Alerted Districts for next 5 days include:

Madhya Pradesh:	Districts covering rivers Narmada, Mahi, Ken, Betwa, Sone, Chambal
Rajasthan:	Districts covering basins of Mahi, Chambal
Gujarat:	Valsad District
Uttar Pradesh:	Districts covering rivers Yamuna, Betwa, Sone, Ganga
Uttarakhand:	Districts covering Sub-Basins of Bhagirathi, Alaknanda, Yamuna
HP:	Districts Covering Sub-Basins of Yamuna and Sutlej.
Assam:	Districts covering Brahmaputra Basin