



Central Water Commission
Daily Flood Situation Report cum Advisories
15-07-2019

1.0 IMD information

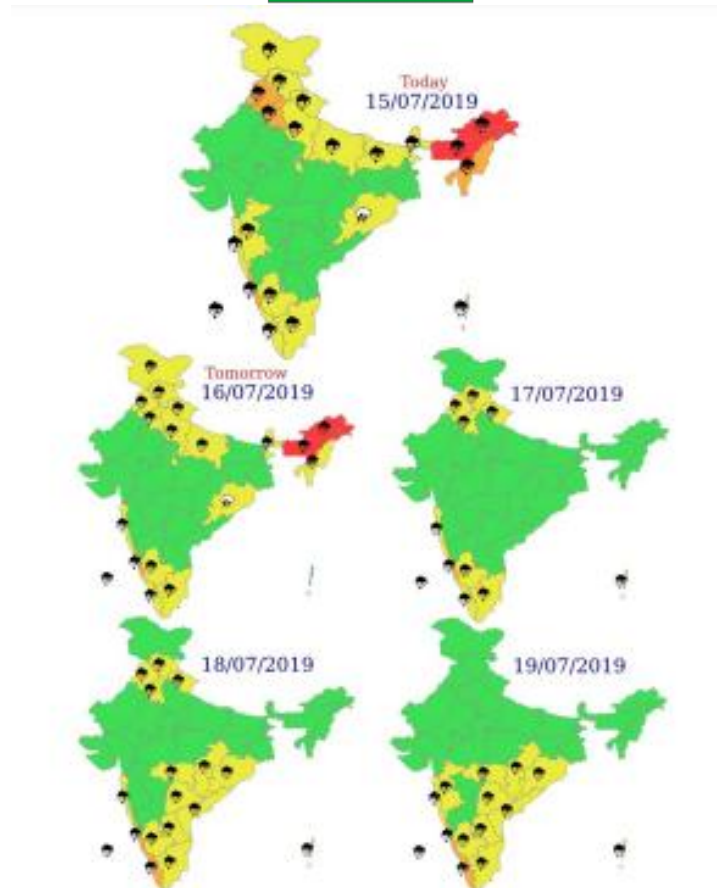
1.1 Rainfall Situation

1.1.1 Amount of rainfall recorded at 0830 hours IST of today (7 cm or more) as per IMD

Name of Place (State)	Rainfall (in cm)
Bongaigaon (Assam)	23
Bahalpur (Assam)	22
Sohra (Meghalaya),	21
Khliehriat (Meghalaya), Tamulpur, Barpeta & Kokrajhar (Assam)	20 each
Beki- Methanguri, Nalbari (Assam), Barara (Haryana)	18 each
Indri (Haryana)	15
Mushalpur & Manas NH Xing (Assam), Mawsynram (Meghalaya), Nakur (UP), Rajpura (Punjab), Gokarna (Karnataka)	14each
Ambala (Haryana), Manki & Karwar (Karnataka)	13each
Kurukshetra & Thaneshwar (Haryana)	12each
Matunga & Beki Road (Assam), Minicoy (Lakshwadeep), Ankola (Karnataka)	11each
AIE N H Xing (Assam), Lunglei (Mizoram), Sirhind & Fatehgarsahib (Punjab), Kumta (Karnataka)	10each
Goalpara & Dhemaji (Assam), Bijnor (UP), Derrabasi & Patiala(Punjab), Ariyalur (TN), Bhatkal & Kadra (Karnataka)	9each
Panbari, Gossaigaon, Majbat & Puthimari (Assam), Saharanpur (UP), Harur (TN), Chalakudi (Kerala)	8each
Dhubri (Assam), Dhampur & Moradabad (UP), Jagadhari (Haryana), Haldwani & Roorkee (Uttarakhand), Chengam (TN)	7each

1.1.2 Rainfall forecast for next 5 days issued on 15thJuly, 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))	30
C	Above Normal Flood Situation: (Site (s) where water level is touching or exceeding the Warning Level but below Danger Level)	18
Total number of sites above Warning Level (A+B+C)		48
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 Station	District State	Warning Level (m)	Danger Level (m)	Highest flood Level (m) Date	Actual level	Forecasted Level
					Trend Time	Trend Date
Mahananda	Araria	46.0	47.3	49.4 2017-08-14	48.45	48.45 Steady 15/7/2019
Araria	Bihar				13:00	22:00:00
Bagmati	Sitamarhi	69.1	70.1	73.0 2017-08-13	71.44	71.55 Rising 16/7/2019
Dheng Bridge	Bihar				14:00	06:00:00
Gandak	Gopalganj	61.22	62.22	64.1 2017-08-17	62.48	62.29 Steady 16/7/2019
Dumariaghat	Bihar				14:00	06:00:00
Mahananda	Kishangani	65.0	66.0	67.22	66.0	65.45 Falling 15/7/2019
Taibpur	Bihar				13:00	22:00:00
Barak	Cachar	15.85	16.85	18.48 2007-09-11	17.32	
Badarpurghat	Assam				15:00	
Subansiri	Lakhimpur	81.53	82.53	86.21 1972-07-28	82.88	82.84 Falling 16/7/2019
Badatighat	Assam				15:00	00:00:00
Beki	Barpeta	44.1	45.1	46.2 2000-08-04	45.54	45.4 Falling 15/7/2019
Beki Road bridge	Assam				16:00	18:00:00
Buridehing	Dibrugarh	101.11	102.11	104.16 2015-09-02	102.24	101.95 Falling 16/7/2019
Chenimari (Khowang)	Assam				15:00	06:00:00
Kopili	Marigaon	55.0	56.0	58.09 2004-07-21	56.54	56.48 Steady 15/7/2019
Dharamtul	Assam				15:00	21:00:00
Brahmaputra	Dhubri	27.62	28.62	30.36 1988-08-28	29.99	30.15 Rising 15/7/2019
Dhubri	Assam				16:00	21:00:00
Brahmaputra	Goalpara	35.27	36.27	37.43 1954-07-31	37.18	37.32 Rising 16/7/2019
Goalpara	Assam				16:00	06:00:00
Sankosh	Dhubri	28.94	29.94	30.95 2007-09-08	30.14	30.2 Rising 15/7/2019
Golokganj	Assam				15:00	18:00:00
Brahmaputra	Kamrup	48.68	49.68	51.46 2004-07-21	50.92	51.1 Rising 16/7/2019
Guwahati(D.C.Court)	Assam				16:00	06:00:00
Kopili	Nagaon	59.5	60.5	61.79 2004-07-20	61.28	61.15 Falling 16/7/2019
Kampur	Assam				15:00	09:00:00

Kushiyara	Karimganj			16.57	16.02	15.94
		13.94	14.94			Falling
Karimganj	Assam			2010-06-10	Falling	15/7/2019
					15:00	18:00:00
Katakhal	Hallakandi			22.73	22.27	22.15
		19.27	20.27			Falling
Matizuri	Assam			2007-09-10	Falling	15/7/2019
					15:00	18:00:00
Jlabharali	Sonitpur			78.5	77.71	77.7
		76.0	77.0			Steady
NT Road Crossing Jla-Bharali	Assam			2007-07-26	Falling	16/7/2019
					15:00	00:00:00
Brahmaputra	Jorhat			87.37	86.63	86.2
		84.04	85.04			Falling
Neamatighat	Assam			1991-07-11	Falling	16/7/2019
					15:00	09:00:00
Dhansiri (South)	Golaghat			80.16	78.56	
		76.42	77.42			Falling
Numaligarh	Assam			2018-08-03	Falling	
					15:00	
Puthimari	Kamrup			55.08	53.77	53.75
		50.81	51.81			Falling
Puthimari NH Rd Xing	Assam			2008-08-31	Falling	15/7/2019
					15:00	19:00:00
Brahmaputra	Sonitpur			66.59	66.35	66.16
		64.23	65.23			Falling
Tezpur	Assam			1988-08-27	Steady	16/7/2019
					15:00	09:00:00
Kosi	Khangaria			36.4	35.32	35.65
		32.85	33.85			Rising
Baltara	Bihar			1987-08-15	Rising	16/7/2019
					16:00	06:00:00
Kosi	Supaul *			49.24	48.8	48.74
		46.75	47.75			Falling
Basua	Bihar			2017-08-13	Falling	15/7/2019
					16:00	22:00:00
Bagmati	Muzaffarpur			50.01	49.13	49.0
		47.68	48.68			Falling
Benibad	Bihar			2004-07-12	Steady	16/7/2019
					14:00	06:00:00
Mahananda	Purnia			38.2	37.16	37.05
		34.65	35.65			Falling
Dhengraghat	Bihar			2017-08-14	Falling	16/7/2019
					13:00	06:00:00
Kamla	Madhubani			71.35	69.36	69.3
		66.75	67.75			Steady
Jainagar	Bihar				Rising	15/7/2019
					14:00	22:00:00
Kamalabalan	Madhubani			53.01	51.41	
		49.0	50.0			Falling
Jhanjharpur	Bihar			2004-07-10	Falling	
					14:00	
Mahananda	Katihar			34.07	32.63	32.8
		30.4	31.4			Rising
Jhawa	Bihar			2017-08-14	Rising	15/7/2019
					13:00	22:00:00
Bagmati	Sitamarhi			58.15	57.03	56.85
		52.73	53.73			Steady
Runisaidpur	Bihar			2017-08-14	Falling	16/7/2019
					14:00	06:00:00
Rapti	Balrampur *			105.54	105.08	104.8
		103.62	104.62			Falling
Balrampur	Uttar Pradesh			2017-08-15	Rising	16/7/2019
					15:00	08:00:00

2.1.3 Above Normal

River	District	Warning Level (m)	Danger Level (m)	Highest Flood Level (m)	Actual level		Forecasted Level
					Trend	Time	
Station	State			Date		Date	
Ganga	Budaun			162.79	161.03	161.05	
Kachhiabridge	Uttar Pradesh	161.0	162.0	2010-09-24	Steady	16/7/2019	Rising
					14:00	00:00:00	
Gaurang	Kokrajhar			43.6	42.59	42.45	
Kokrajhar	Assam	41.85	42.85	2015-08-20	Falling	15/7/2019	Falling
					14:00	18:00:00	
Adhwara	Sitamarhi			83.0	81.75	81.75	
Sonbarsa	Bihar	80.85	81.85		Rising	16/7/2019	Rising
					14:00	06:00:00	
Siang	East Siang			157.54	153.53	153.5	
Passighat	Arunachal Pradesh	152.96	153.96	2000-06-11	Steady	16/7/2019	Steady
					15:00	00:00:00	
Barak	Cachar			21.84	19.81	19.62	
Annapurnaghat	Assam	18.83	19.83	1989-08-01	Falling	15/7/2019	Falling
					14:00	19:00:00	
Brahmaputra	Dibrugarh			106.48	105.18	105.15	
Dibrugarh	Assam	104.7	105.7	1998-09-03	Falling	15/7/2019	Falling
					15:00	18:00:00	
Manas	Barpeta			50.08	48.34	48.25	
Manas N H Crossing	Assam	47.81	48.42	1984-09-15	Falling	15/7/2019	Falling
					14:00	18:00:00	
Pagladiya	Nalbari			55.45	52.5	52.45	
Pagladiya N T Road Crossing	Assam	51.75	52.75	2004-07-08	Rising	15/7/2019	Rising
					14:00	18:00:00	
Ghagra	Siwan			61.74	60.15	60.31	
Darauli	Bihar	59.82	60.82	1998-08-29	Rising	16/7/2019	Rising
					12:00	08:00:00	
Ghagra	Siwan			58.01	56.27	56.51	
Gangpur Siswan	Bihar	56.04	57.04	1983-09-18	Rising	16/7/2019	Rising
					12:00	04:00:00	
Adhwara	Darbhanga			52.99	49.99	50.15	
Kamtaul	Bihar	49.0	50.0	1987-08-12	Rising	16/7/2019	Steady
					14:00	06:00:00	
Burhi Gandak	Purba Champaran			67.09	63.12	63.34	
Lalbegiaghat	Bihar	62.2	63.2	1975-07-30	Rising	16/7/2019	Steady
					14:00	06:00:00	
Ghagra	Faizabad			94.01	92.19	92.1	
Ayodhya	Uttar Pradesh	91.73	92.73	2009-10-11	Steady	16/7/2019	Falling
					15:00	08:00:00	
Rapti	Sidharthnagar			85.88	84.11	84.15	
Bansil	Uttar Pradesh	83.9	84.9	2017-08-20	Steady	16/7/2019	Rising
					15:00	08:00:00	
Ghagra	Bara Banki			107.616	105.81	105.7	
Elginbridge	Uttar Pradesh	105.07	106.07	2014-08-16	Steady	16/7/2019	Falling
					15:00	08:00:00	
Ghagra	Ballia			66.0	63.87	64.0	
Turtipar	Uttar Pradesh	63.01	64.01	1998-08-28	Steady	16/7/2019	Rising
					15:00	08:00:00	
Teesta	Jalpaiguri			89.3	85.67	85.6	
DOMOHANI	West Bengal	85.65	85.95	1988-10-04	Steady	15/7/2019	Falling
					15:00	22:00:00	
Raidak-I	Koch Bihar			36.5	35.26	35.15	
Tufanganj	West Bengal	34.22	35.3	2017-08-12	Rising	15/7/2019	Falling
					15:00	18:00:00	

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	Almati Dam	Bijapur	Karnataka	519.6	519.6	517.83	08:00	Rising	2400.0	Falling	16/7/2019	08:00:00
Tunga	Upper Tunga Project	Shimoga	Karnataka	588.24	588.24	588.2396	08:00	Steady	195.0	Steady	16/7/2019	08:00:00

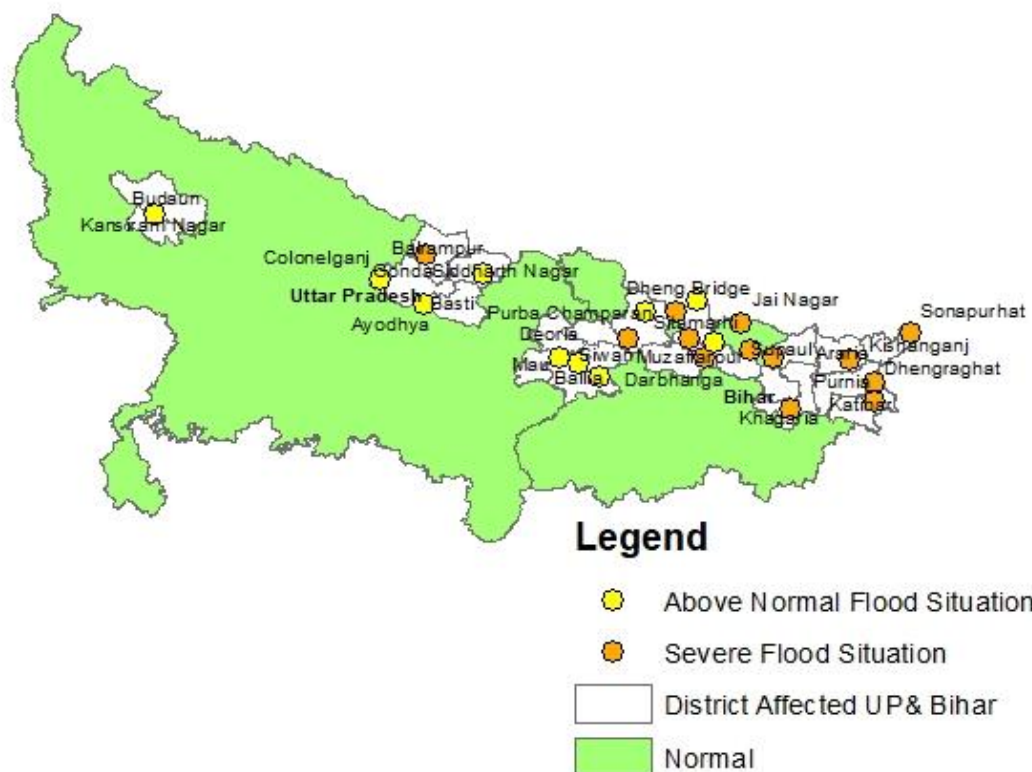
2.2 Flood Situation as per actual/ forecasted rainfall situation

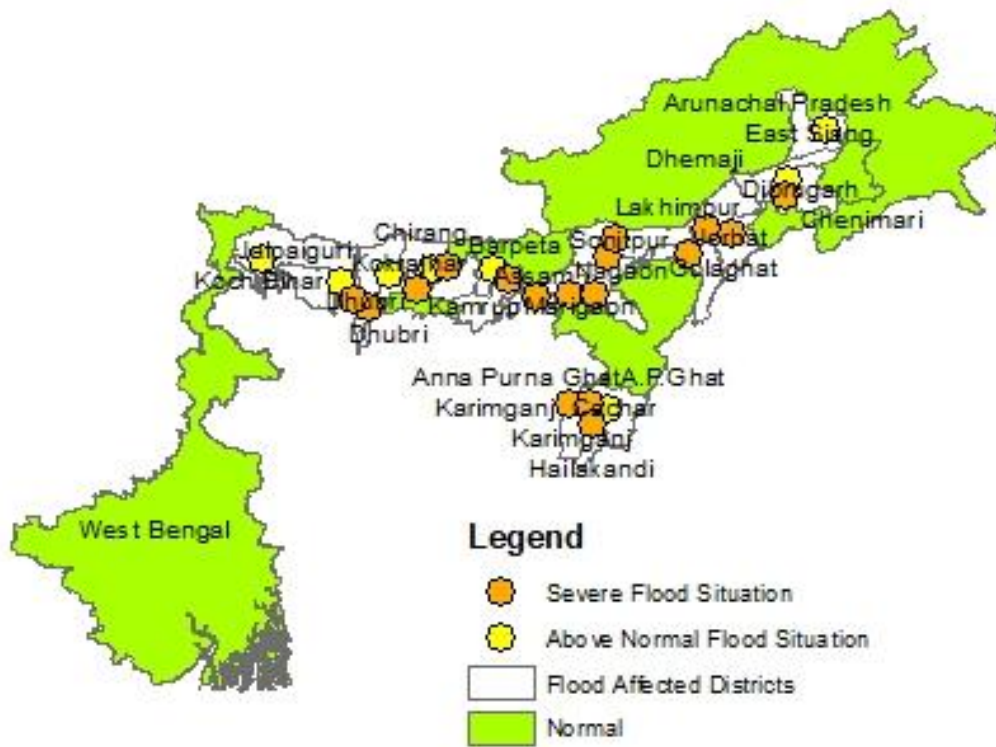
IMD has forecasted heavy to very heavy rainfall in Assam and Meghalaya, Sub-Himalayan West Bengal & Sikkim on 16th and heavy rainfall on 17th July and then reduce. Heavy to very heavy rainfall over Nagaland, Manipur, Mizoram and Tripura on 16th and then reduce from 17th July onwards. There will be general reduction in rainfall from 16th July onwards in these flood affected areas. Due to this warning, there is likelihood of flood situation improving in many of the flood affected States. Heavy to very heavy rainfall has been forecasted for Punjab, Haryana and Delhi for 16th July and then reduce slowly. Heavy to very heavy rain has been forecasted for Kerala and Mahe as well as Coastal Karnataka during the period 19th and 20th July 2019. There is general forecast for increase of rainfall in Southern Peninsular India and over Odisha and Chhattisgarh from tomorrow onwards.

Most of the Rivers in Brahmaputra & Baraka Basin are flowing in Severe Flood Situation in Arunachal Pradesh, Assam, Sub-Himalayan West Bengal. Tributaries of Brahmaputra have started falling and Main River Brahmaputra is still rising from Guwahati to Dhubri. The situation is likely to continue for another 2-3 days and then slowly recede as the rainfall activity reduces.

Rivers Bagmati, Adhwara Group, Kamla Balan, Kosi and Mahananda are also flowing in Severe Flood Situation in association with the rainfall occurring in the Catchment areas of the rivers in India as well as in their source regions in Nepal. Severe Flood Situation is likely to continue for another 2-3 days and then slowly recede as rainfall activity reduces.

Map showing Flood Situation in UP & Bihar and Brahmaputra & Barak Basin on 15.07.2019





Flood Affected Districts include:

- Bihar:** Araria, Sitamarhi, Gopalganj, Kishanganj, Purnia, Madhubani, Katihar, Muzaffarpur.
- Assam:** Dibrugarh, Lakhimpur, Jorhat, Golaghat, Sonitpur, Nagaon, Morigaon, Kamrup, Barpeta, Goalpara, Dhubri, Cachar, Hailakhandi, Karimganj
- Arunachal Pradesh:** East Siang
- West Bengal& Sikkim** Jalpaiguri, Coochbehar, Maldah
- Uttar Pradesh:** Barabanki, Faizabad, Balrampur, Kushalnagar, Ballia, Budaun

