



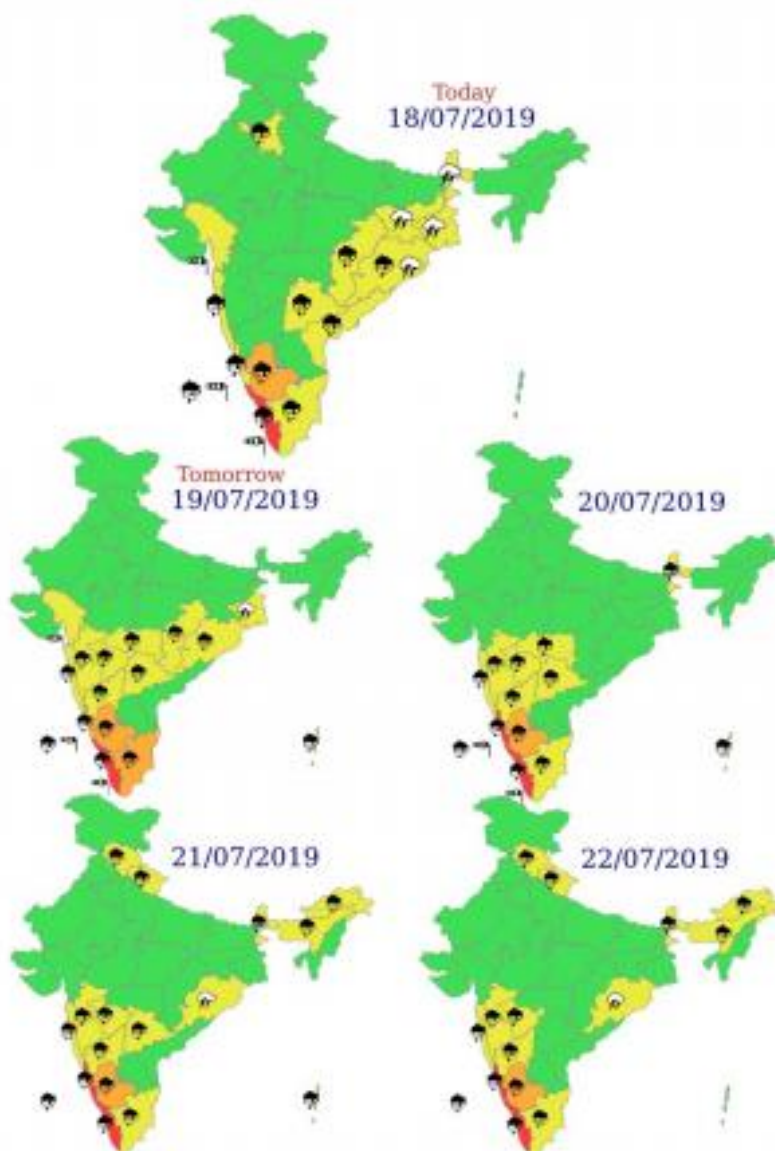
**Central Water Commission**  
**Daily Flood Situation Report cum Advisories**  
**18 -07-2019**

- 1.0**            **IMD information**
- 1.1**            **Rainfall Situation**
- 1.1.1**        **Amount of rainfall recorded at 0830 hours IST of today (5 cm or more) as per IMD**

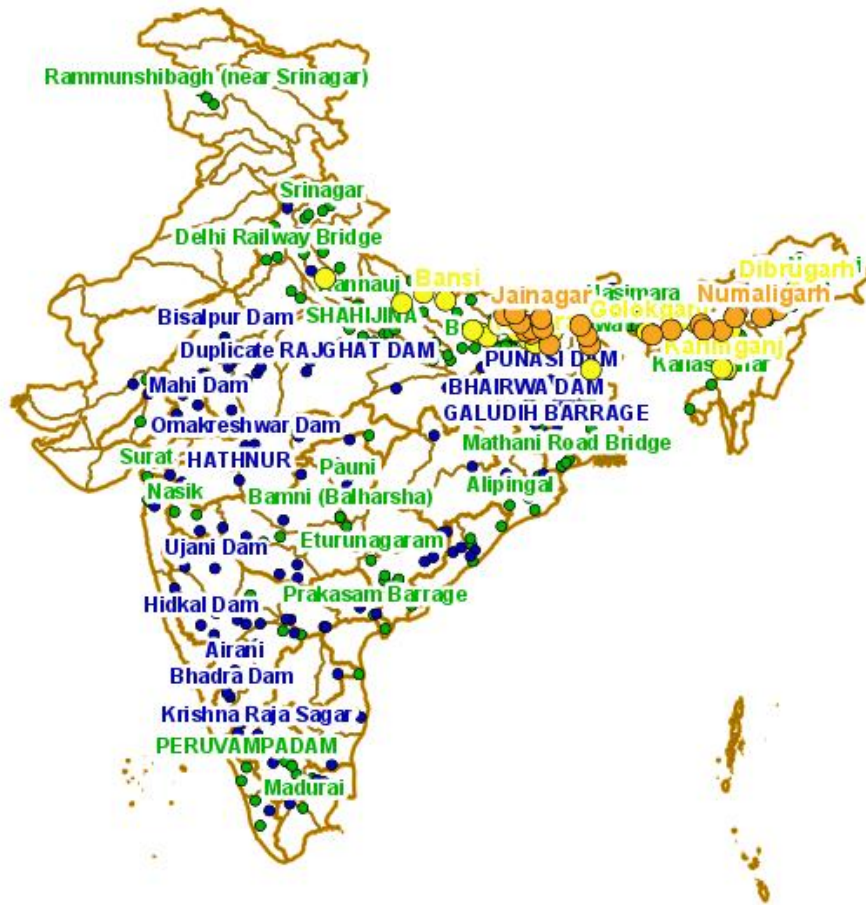
Name of Place (State)	Rainfall (in cm)
Aminidivi (Lakshwadweep)	14
Khetri (Rajasthan)	12
Rohtak, Julana & Faridabad (Haryana)	9 each
Minicoy Island (Lakshadweep), Maya Bandar (Andaman & Nicobar)	8 each
Morena (MP)	7
Cherthala (Kerala), Ballabgarh & Bahadurgarh (Haryana), Sujargarh & Rupbas (Rajasthan), Sabroom & Belonia (Tripura), Mahad (Maharashtra)	6each
Mavelikkara & Mancompu (Kerala), Anandpur Sahib (Punjab), Rewari (Haryana), Alpadi & Koyna (Maharashtra)	5 each

**1.1.2**    **Rainfall forecast for next 5 days issued on 18<sup>th</sup>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
<b>A</b>	Extreme Flood Situation: (Site (s) where the previous Highest Flood Level (HFL) is exceeded or equalled)	0
<b>B</b>	Severe Flood Situation: (Site (s) where water level is touching or exceeding the Danger Level but below Highest Flood Level (HFL))	24
<b>C</b>	Above Normal Flood Situation: (Site (s) where water level is touching or exceeding the Warning Level but below Danger Level)	21
<b>D</b>	Normal Flood Situation with Forecast: (Site (s) where water level is below Warning Level but Forecast Issued)	6
Total number of sites above Warning Level ( A+B+C)		51
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)		0

## 2.1.2 Severe Flood Situation

River	District	Warning Level (m)	Danger Level (m)	Highest flood Level (m)	Actual level		Forecasted Level	
					Trend	Time	Trend	Time
Station	State			Date			Date	Time
Mahananda	Araria	46.0	47.3	49.4	47.89	Falling	47.8	18/7/2019
Araria	Bihar			2017-08-14	15:00		20:00:00	
Bagmati	Sitamarhi	69.1	70.1	73.0	70.64	Rising	70.55	19/7/2019
Dheng Bridge	Bihar			2017-08-13	15:00		06:00:00	
Kopili	Marigaon	55.0	56.0	58.09	56.85	Falling	56.83	18/7/2019
Dharamtul	Assam			2004-07-21	12:00		21:00:00	
Brahmaputra	Dhubri	27.62	28.62	30.36	30.33	Steady	30.28	18/7/2019
Dhubri	Assam			1988-08-28	15:00		21:00:00	
Brahmaputra	Goalpara	35.27	36.27	37.43	37.16	Falling	36.91	19/7/2019
Goalpara	Assam			1954-07-31	15:00		06:00:00	
Brahmaputra	Kamrup	48.68	49.68	51.46	50.5	Falling	50.34	19/7/2019
Guwahati(D.C.Court)	Assam			2004-07-21	15:00		06:00:00	
Kushiyara	Karimganj	13.94	14.94	16.57	14.97	Falling	14.95	18/7/2019
Karimganj	Assam			2010-06-10	15:00		18:00:00	
Jiabharali	Sonitpur	76.0	77.0	78.5	77.25	Falling		
NT Road Crossing Jia-Bharali	Assam			2007-07-26	12:00			
Brahmaputra	Jorhat	84.04	85.04	87.37	85.77	Falling	85.4	19/7/2019
Neamatighat	Assam			1991-07-11	12:00		09:00:00	
Dhansiri (South)	Golaghat	76.42	77.42	80.16	77.78	Falling	77.75	18/7/2019
Numaligarh	Assam			2018-08-03	12:00		18:00:00	
Puthimari	Kamrup	50.81	51.81	55.08	52.0	Falling	51.96	18/7/2019
Puthimari NH Rd Xing	Assam			2008-08-31	15:00		19:00:00	
Brahmaputra	Sonitpur	64.23	65.23	66.59	65.53	Falling	65.06	19/7/2019
Tezpur	Assam			1988-08-27	12:00		09:00:00	
Kosi	Khangaria	32.85	33.85	36.4	35.42	Falling	35.27	19/7/2019
Baltara	Bihar			1987-08-15	15:00		06:00:00	
Kosi	Supaul *	46.75	47.75	49.24	47.96	Rising	46.89	18/7/2019
Basua	Bihar			2017-08-13	15:00		22:00:00	
Bagmati	Muzaffarpur	47.68	48.68	50.01	49.1	Steady	49.0	19/7/2019
Benibad	Bihar			2004-07-12	15:00		06:00:00	
Mahananda	Purnia	34.65	35.65	38.2	36.62	Falling	36.3	19/7/2019
Dhengraghat	Bihar			2017-08-14	15:00		06:00:00	
Adhwara	Darbhanga	45.94	46.94	49.52	47.37	Steady	47.45	19/7/2019
Ekmathat	Bihar			15:00	06:00:00			
Bagmati	Darbhanga	44.72	45.72	48.96	46.13	Rising	46.2	19/7/2019
Hayaghat	Bihar			1987-08-14	15:00		06:00:00	
Kamla	Madhubani	66.75	67.75	71.35	67.9	Steady	67.85	18/7/2019
Jainagar	Bihar			15:00	16:00:00			
Kamalabalan	Madhubani	49.0	50.0	53.01	50.76	Falling	50.7	18/7/2019
Jhanjharpur	Bihar			2004-07-10	15:00		18:00:00	
Mahananda	Katihar	30.4	31.4	34.07	32.72	Falling	32.6	18/7/2019
Jhawa	Bihar			2017-08-14	15:00		22:00:00	
Adhwara	Darbhanga	49.0	50.0	52.99	50.16	Steady	50.1	19/7/2019
Kamtaul	Bihar			1987-08-12	15:00		06:00:00	
Burhi Gandak	Purba Champaran	62.2	63.2	67.09	63.55	Rising	63.6	19/7/2019
Lalbegiaghat	Bihar			1975-07-30	15:00		06:00:00	
Bagmati	Sitamarhi	52.73	53.73	58.15	56.8	Rising	55.5	19/7/2019
Runisaidpur	Bihar			2017-08-14	15:00		06:00:00	

### 2.1.3 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 Time
Burhi Gandak	Purba Champaran	58.62	59.62	61.17	59.03	59.1 Steady
Ahirwalia	Bihar				Rising 14:00	19/7/2019 06:00:00
Gandak	Gopalganj	61.22	62.22	64.1	61.96	61.8 Falling
Dumariaghat	Bihar				Falling 15:00	19/7/2019 06:00:00
Ganga	Budaun	161.0	162.0	162.79	161.46	161.3 Falling
Kachhlabridge	Uttar Pradesh				Falling 14:00	19/7/2019 00:00:00
Barak	Cachar	15.85	16.85	18.48	15.94	
Badarpurghat	Assam				Falling 15:00	
Subansiri	Lakhimpur	81.53	82.53	86.21	82.01	81.7 Falling
Badatighat	Assam				Falling 10:00	19/7/2019 00:00:00
Beki	Barpeta	44.1	45.1	46.2	44.91	44.93 Steady
Beki Road bridge	Assam				Falling 15:00	18/7/2019 18:00:00
Brahmaputra	Dibrugarh	104.7	105.7	106.48	104.7	104.62 Falling
Dibrugarh	Assam				Falling 09:00	18/7/2019 18:00:00
Sankosh	Dhubri	28.94	29.94	30.95	29.36	29.25 Falling
Golokganj	Assam				Falling 15:00	18/7/2019 18:00:00
Kopili	Nagaon	59.5	60.5	61.79	60.48	59.8 Falling
Kampur	Assam				Falling 11:00	19/7/2019 09:00:00
Pagladiya	Nalbari	51.75	52.75	55.45	52.06	52.0 Falling
Pagladiya N T Road Crossing	Assam				Falling 15:00	18/7/2019 18:00:00
Ghagra	Siwan	59.82	60.82	61.74	59.94	59.79 Falling
Darauli	Bihar				Falling 15:00	19/7/2019 08:00:00
Ghagra	Siwan	56.04	57.04	58.01	56.3	56.17 Falling
Gangpur Siwan	Bihar				Falling 15:00	19/7/2019 04:00:00
Burhi Gandak	Samastipur	41.63	42.63	46.35	42.0	42.68 Rising
Rosera	Bihar				Falling 15:00	19/7/2019 10:00:00
Burhi Gandak	Samastipur	45.02	46.02	49.38	45.37	45.39 Rising
Samastipur	Bihar				Rising 14:00	19/7/2019 02:00:00
Burhi Gandak	Muzaffarpur	51.53	52.53	54.29	52.43	52.59 Rising
Sikandaipur (Muzzafarpur)	Bihar				Rising 14:00	19/7/2019 06:00:00
Ghagra	Faizabad	91.73	92.73	94.01	91.74	91.6 Falling
Ayodhya	Uttar Pradesh				Falling 15:00	19/7/2019 08:00:00
Rapti	Balrampur *	103.62	104.62	105.54	103.86	103.55 Falling
Balrampur	Uttar Pradesh				Falling 15:00	19/7/2019 08:00:00
Rapti	Sidharthnagar	83.9	84.9	85.88	84.22	84.1 Falling
Bansi	Uttar Pradesh				Steady 15:00	19/7/2019 08:00:00
Ghagra	Bara Banki	105.07	106.07	107.616	105.21	105.06 Falling
Elginbridge	Uttar Pradesh				Steady 15:00	19/7/2019 08:00:00
Ghagra	Ballia	63.01	64.01	66.0	63.71	63.47 Falling
Turtipar	Uttar Pradesh				Falling 14:00	19/7/2019 08:00:00
Ganga	Murshidabad	21.25	22.25	25.14	21.41	21.72 Rising
Farakka(FF)	West Bengal				Rising 15:00	19/7/2019 20:00:00

### 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
There is no Reservoir/Barrage receiving Inflow more than the Threshold limit												

## 2.2 Flood Situation as per actual/ forecasted rainfall situation

IMD has forecasted Heavy to Very Heavy rain at a few places with isolated Extremely Heavy rainfall in Kerala & Mahe Division of Puducherry and Coastal Karnataka from 19<sup>th</sup> to 23<sup>rd</sup> July and advisory for Heavy to Very Heavy rainfall to continue on 24<sup>th</sup> and 25<sup>th</sup> July also There is general forecast for increase of rainfall in Southern Peninsular India and over Odisha and Chhattisgarh from tomorrow onwards. Slow increase in rainfall has been predicted for Himachal Pradesh, Uttarakhand, Assam, Meghalaya and Arunachal Pradesh from 22<sup>nd</sup> July 2019 onwards.

### 2.2.1 Assam

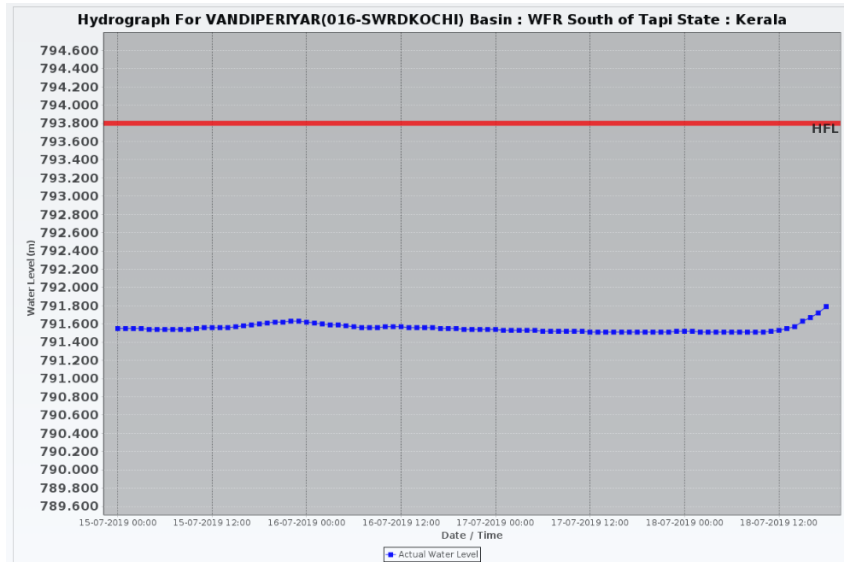
Most of the Rivers in Brahmaputra & Baraka Basin are flowing in Severe to Above Normal Flood Situation in Arunachal Pradesh, Assam, Sub-Himalayan West Bengal. Tributaries of Brahmaputra have started falling and Main River Brahmaputra has started falling all along its course. Since no rain is predicted for next 3 days, the falling level is likely to continue for another 3-4 days.

### 2.2.2 Bihar

Rivers Bagmati, Adhwara Group, KamlaBalan, Kosi and Mahananda continue in Severe to Above Normal Flood Situation. This is likely to continue for another 2-3 days and then slowly recede as rainfall activity has been forecasted to reduce.

### 2.2.3 Kerala

Due to the rainfall predicted, there is likelihood of rapid rise in Water Levels in rivers in Kerala in the basins Pamba, Periyar, Chalakudi, Bharathapuzha, Valapatnam and Kabini in the districts of Idukki, Pattanamthitta, Ernakulam, Thrissur, Palakkad, Malapuram, Wynadu and Kannur. Since most of the dams in these rivers are having very low storage, the rainfall in the catchment upstream of these dams will help improve the storage levels of the reservoirs. However, in the downstream of the dams in the river due to precipitation from free catchment, there is likelihood of rapid rise in Water Levels for which necessary precautions have to be taken. As per the latest trends, it is seen that River Periyar at Vandiperiyar (Idukki DT) has started rising due to ongoing rainfall activity. Hydrograph is attached.



### 2.2.4 Karnataka

Due to the rainfall predicted, there is likelihood of rapid rise in Water Levels in rivers in Karnataka in the basins of Cauvery, Tunga, Bhadra and West Flowing rivers such as Netravathi in the districts of Kodagu, Chikmagaluru, Hassana, Shivamogga, Dakshina Kannada, Udupi and Uttara Kannada. Since most of the dams in these rivers are having very low storage, the rainfall in the catchment upstream of these dams will help improve the storage levels of the reservoirs. However, in the downstream of dam in the river due to precipitation from free catchment, there is likelihood of rapid rise in Water Levels for which necessary precautions have to be taken.

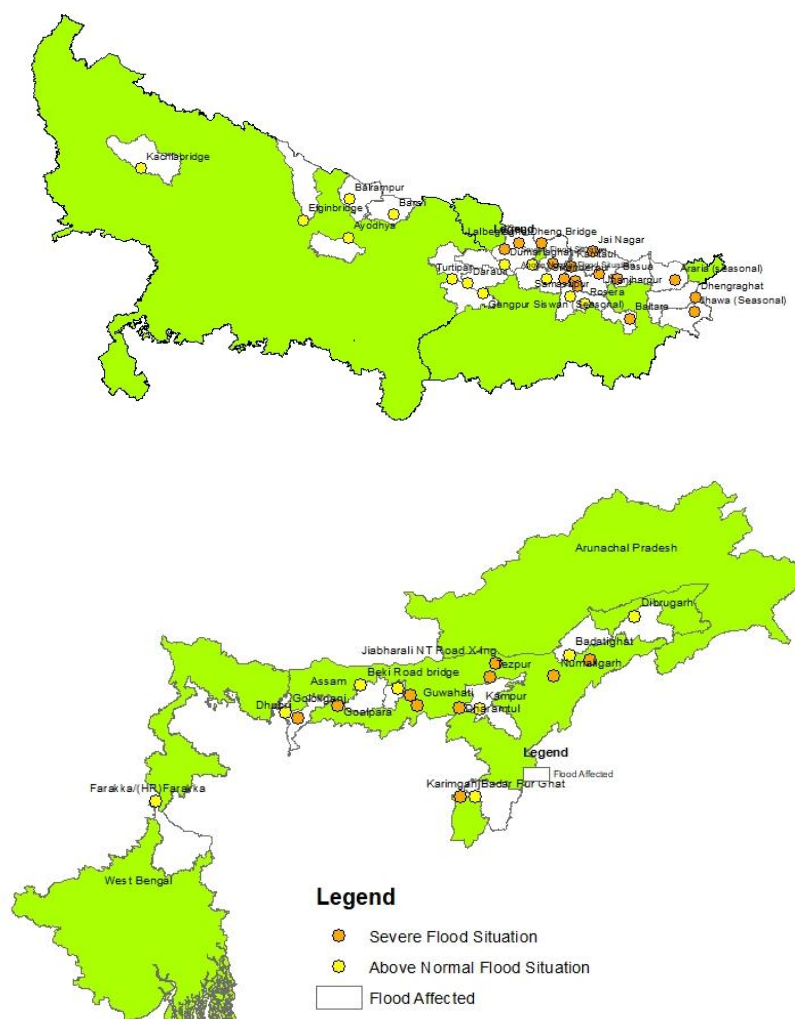
## 2.2.5 Tamilnadu

Due to the rainfall predicted, there is likelihood of rapid rise in Water Levels in rivers in Hilly regions of Coimbatore, Nilgiris, Theni, Dindigul, Tirunelveli and Kanyakumari in the basins of Bhavani, Amaravathy, Moyar, Vaigai, and Tamraparini. Since most of the dams in these rivers are having very low storage, the rainfall in the catchment upstream of these dams will help improve the storage levels of the reservoirs.

## 2.2.6 Punjab, Haryana and North Rajasthan

There has been continuous rain in many parts of Punjab, Haryana, Chandigarh (UT) and North Rajasthan for the past 48 hours. As per media reports, there have been floods in River Ghaggar in Patiala District. There has also been continuous rain in Bhatinda and its neighbouring areas during the last 3-4 days leading to flood like situation in many of the rivulets in the districts of Patiala, Bhatinda and in districts bordering Haryana and North Rajasthan. However as the rainfall is likely to reduce significantly, the river and rivulet levels are likely to fall during the next 12-24 hours.

**Map showing Flood Situation in UP & Bihar and Brahmaputra & Barak Basin on 18.07.2019**



### Flood Affected Districts include:

<b>Bihar:</b>	Araria, Sitamarhi, Gopalganj, Kishanganj, Purnia, Madhubani, Katihar, Muzaffarpur.
<b>Assam:</b>	Dibrugarh, Lakhimpur, Jorhat, Golaghat, Sonitpur, Nagaon, Morigaon, Kamrup, Barpeta, Goalpara, Dhubri, Cachar, Hailakhandi, Karimganj
<b>Arunachal Pradesh:</b>	East Siang
<b>West Bengal &amp; Sikkim</b>	Jalpaiguri, Coochbehar, Maldah
<b>Uttar Pradesh:</b>	Barabanki, Faizabad, Balrampur, Kushinagar, Ballia, Badaun.

Map showing Flood Situation over the Country on 18<sup>th</sup> July 2019



Flood Alert based on Rainfall Forecast issued by IMD for next 5 days

**Flood Alerted for next 5 days**

**Kerala:** Idukki, Ernakulam, Thrissur, Palakkad, Wynad

**Karnataka:** Chikmagalur, Hassan, Kodagu, Shivamogga, Dakshina Kannada, Udupi and Uttara Kannada

**Tamilnadu:** Nilgiris, Coimbatore, Theni, Dindigul, Tirunelveli and Kanyakumari