



Central Water Commission
Daily Flood Situation Report cum Advisories
19-09-2021

1.0 Rainfall Situation

1.1 Basin wise departure from normal of cumulative and daily rainfall

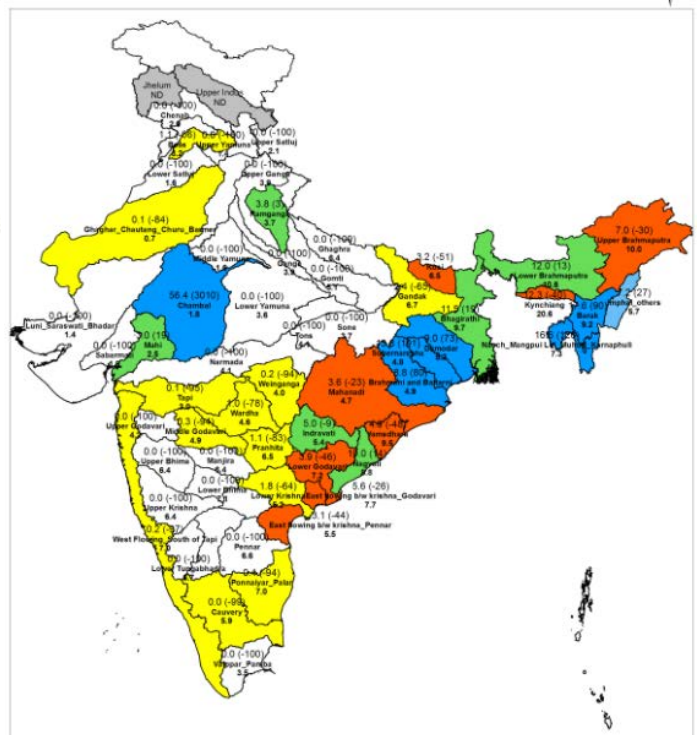
RIVER BASIN RAINFALL MAP : INDIA

Period :01-06-2021 To 19-09-2021



RIVER BASIN RAINFALL MAP : INDIA

Date :19-09-2021



Notes: a) Small figures indicate actual rainfall (mm), while bold figures indicate Normal rainfall (mm)
b) Percentage departures of rainfall are shown in brackets.

1.2 Rainfall forecast for next 5 days issued on 19th September, 2021 (Midday) by IMD

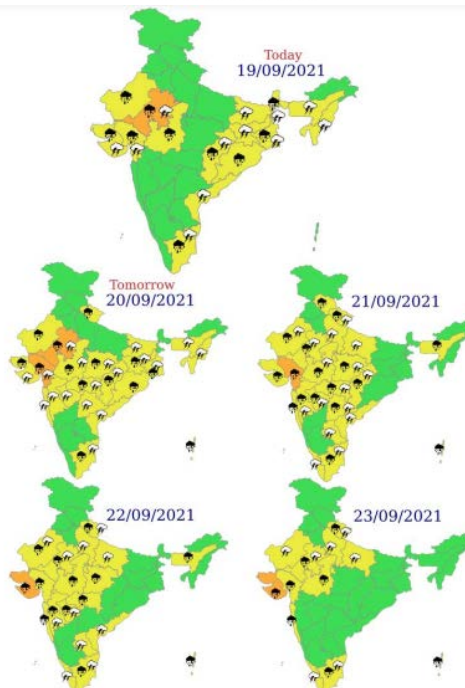
WARNING

WARNING (TAKE ACTION)

ALERT (BE PREPARED)

WATCH (BE UPDATED)

NO WARNING (NO ACTION)



- Heavy/Very Heavy Rainfall over Isolated Places over East Rajasthan on 19th& 20th; over Isolated Places over Gujarat region on 20th& 21st; over Saurashtra and Kutch region on 22nd& 23rd; over Tamil Nadu, Puducherry & Karaikal on 19th September 2021.

2.0 Flood Situation and Advisories

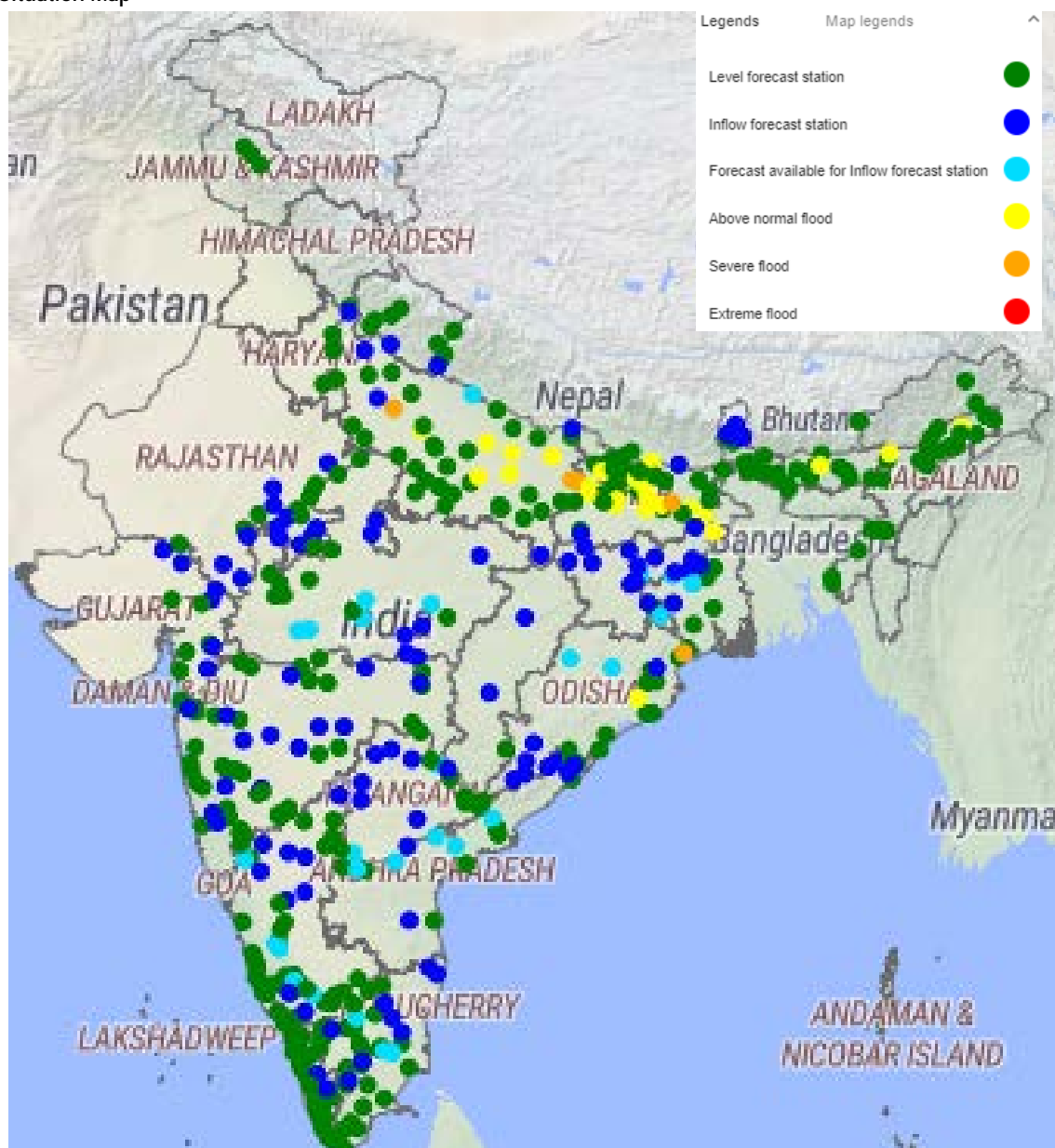
2.1 Summary of Flood Situation as per CWC Flood Forecasting Network

On 19th September 2021, 5 Stations (2 in Uttar Pradesh, 2 in Bihar, 1 in Odisha) are flowing in Severe Flood Situation and 26 stations (13 in Bihar, 7 in Uttar Pradesh, 3 in Assam and 1 each in Jharkhand, Odisha & West Bengal) are flowing in Above Normal Flood Situation. Inflow Forecast has been issued for 22 Barrages & Dams (05 each in Madhya Pradesh & Andhra Pradesh, 03 each in Karnataka & Jharkhand, 2 each in Telangana & Odisha and 1 each in Uttar Pradesh & West Bengal).

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))	5
C	Above Normal Flood Situation: (Site (s) where water level is touching or exceeding the Warning Level but below Danger Level)	26
Total number of sites above Warning Level (A+B+C)		31
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)		22

Details are given at link:<http://cwc.gov.in/sites/default/files/cfcrcwcdfb-19-09.2021.pdf>

2.1.1 Flood Situation Map



2.2 CWC Advisories

2.2.1 Ganga and its tributaries – Uttarakhand, Uttar Pradesh & Bihar

River Ganga is flowing in severe flood situation with falling trend in Badaun district of Uttar Pradesh. Thereafter, it is in above normal to normal situation with steady/falling trend in Uttar Pradesh. Towards lower reaches, Ganga is flowing in above normal flood situation in Patna (Bihar) with rising trend and at Bhagalpur with falling trend. It is forecasted to cross danger level at Hathidah (Patna Dist) by tomorrow morning. Rise is mainly due to runoff contribution from Ghagara from northern side. River Ghagara is in severe flood situation in Balia (Uttar Pradesh) and Siwan (Bihar) districts with falling trend now. In Sahebganj (Jharkhand) and Murshirabad (West Bengal) it is flowing above normal flood situation with steady to rising trend.

Flooding situation in Northern tributaries of Ganga in Bihar such as Gandak, Burhi Gandak, Bagmati, Adhwara, Kamalabalan and Kosi have receded from severe to above normal in most of the districts.

2.2.2 Mahi, Vishwamitry and West Banas Basins- Gujarat & Rajasthan

River Mahi and its tributary Erav are expected to get increased runoff as heavy rainfall has been forecasted in **Pratapgarh** (Rajasthan), and the runoff created will contribute to Mahi Bajaj Sagar dam. Currently, Mahi Bajaj Sagar dam is above warning level, hence alert may be kept. Releases from dams may be done as per SOP after informing downstream districts/ states. River Banas, Chambal and its tributaries in its upper reaches are also expected to rise due to Heavy rainfall in **Pratapgarh, Udaipur, Rajsamand, Chittaurgarh** (Rajasthan) during 19th -20th September. River Vishwamitry is expected to get increased runoff from heavy rainfall in **Vadodara** (Gujarat) district. River West Banas basin is expected to get runoff due to rain in **Sirohi** (Rajasthan) and **Patan** (Gujarat) districts.

2.2.3 Subernrekha & Mahanadi Basin- Odisha

Since rainfall has reduced considerably in the region, most of the sites in upper and lower reaches of rivers Subernarekha, Brahmani, Baitarni are in steady to falling state. In tail end parts, currently, River Subarnarekha and Jalka in **Balasore** District and river Mahanadi in Cuttack district are flowing in severe and above normal flood situation respectively with falling trend.

2.2.4 Cauvery, Palar, Agniyar - Tamil Nadu

Lower reaches of Cauvery and its tributaries in districts **Salem, Parambalur, Nagapattinam, Thanjavur & Thiruvarur** are expected to experience water level rise. Rivers such as Vaigai, Palar, Cheyyar, Agniyar, Gundar, Varahanadhi, Pennaiyar, Vellar, Ponnaiyar are expected to get increased runoff. Hence, alert may be kept in districts **Tenkasi, Ranipettai, Thiruvallur, Vellore, Kanchipuram, Chengalpattu, Villupuram, Thiruvannamalai, Kallakkurichi, Cuddalore & Ariyalur**.

3.0 Storage Position in Dams where Inflow forecast is being issued by CWC as on 19th September, 2021

Reservoirs shown in red are having gross storage capacity more than 90% and those in orange are having gross storage greater than 75%. Close watch is to be maintained at these reservoirs whenever Very Heavy Rainfall (Orange) and Extremely Heavy Rainfall (Red) warning in next 120 hours are given below:

Storage above 90%	
Storage above 75%	

QPF categories (mm)	0	0.1-10	11-25	26-37	38-50	51-75	76-100	>100
---------------------	---	--------	-------	-------	-------	-------	--------	------

#	Reservoir/Dams	River/Sub-Basin /Basin	State	US/ DS District	Rainfall situation				
					Day 1	Day 2	Day 3	Day 4	Day 5
1	Nagarjuna Sagar	Krishna/Lower Krishna/Krishna	AP	Nalgonda (Tel), Guntoor (AP)					
2	Srisailem	Krishna/Lower Krishna/Krishna	AP	Jogulamba Gadwal (Telangana), Kurnool (AP)/Nalgonda (Telangana), Guntoor (AP)					
3	Musi	Musi/Lower Krishna/Krishna	Tel	Nalgonda					
4	Sri PadaYellampally	Godavari/Middle Godavari/Godavari	Tel	Mancherial/Jaishankar Bhupalpally					
5	Sriramsagar Project	Godavari/Middle Godavari/Godavari	Tel	Nanded (Mah)/Nirmal (Tel)					
6	Kaddam	Kaddam/Middle Godavari/Godavari	Tel	Adilabad, Nirmal/ Mancherial					
7	Singur	Manjira/Manjira/Godavari	Tel	Medak					
8	PD Jurala	Krishna/Middle Krishna/Krishna	Tel	Raichur (Kar)/Jogalamba Gadwal (Telangana)					
9	Panchet	Damodar/Damodar East/ Ganga	Jhar	Dhanbad, Jamtara (Jhar)/ Puruliya, Paschim Bardhaman, Bankura (WB)					
10	Getalsud	Damodar/Damodar West/Ganga & its tributaries	Jhar	Bokaro (Jharkand)					
11	Konar	Konar/Damodar West/Ganga & its tributaries	Jhar	Hazaribagh (Jharkand)					
12	Tilaiya	Barakar/ Barakar West/Ganga & its tributaries	Jhar	Koderma (Jharkand)					
13	Maithon	Barakar/ Barakar East/Ganga	Jhar	Dhanbad, Jamtara (Jhar)/ Puruliya, Paschim Bardhaman, Bankura (WB)					
14	Kabini	Kabini/Kabini/Cauvery	Kar	Wayanad (Kerala)/ Mysuru (Kar)					
15	Harangi	Harangi/Harangi/Cauvery	Kar	Kodagu/Mandya					
16	Karanja	Karanja/Manjira/Godavari	Kar	Bidar (Kar), Vikarabad (Tel)/Bidar (Kar)					
17	Almatti	Krishna/Upper Krishna/Krishna	Kar	Kolhapur (Mah)/ Bagalkote (Kar)					
18	Narayanpur	Krishna/Upper Krishna/Krishna	Kar	Bagalkot, Vijayapura/ Raichur, Yaadgir					
19	KRS	Cauvery/Middle Cauvery/Cauvery	Kar	Mandya, Mysore					
20	Tungabhadra	Tungabhadra/Middle Tungabhadra/Krishna	Kar	Gadag/Bellary, Koppal, Raichur					
21	Hemavathy	Hemavathy/ Hemavathy/Cauvery	Kar	Hassan, Kodagu/Mandya, Mysore					
22	Bhadra	Bhadra/UpperTungabhadra/Krishna	Kar	Chikmagalur/Shimoga					
23	Hidkal	Ghataprabha/Ghataprabha/Krishna	Kar	Kolhapur (Mah)/ Belgaum (Kar)					
24	Malaprabha	Malaprabha/Malaprabha/Krishna	Kar	Belgaum					
25	Warana	Warana/Upper Krishna/Krishna	Mah	Kolhapur, Sangli					
26	Koyna	Koyna/ Upper Krishna/Krishna	Mah	Satara/Kolhapur, Sangli					
27	Yeldari	Purna/Purna/Godavari	Mah	Parbhani, Hingoli					
28	Isapur	Penganga/Penganga/Godavari	Mah	Hingoli, Yavatmal/Yavatmal, Nanded					
29	Manjlegaon	Sindphana/Middle Godavari/Godavari	Mah	Bid/Parbhani					
30	Upper Wardha Project	Wardha/Wardha/Godavari	Mah	Wardha, Amravati					
31	Veer Dam	Nira/Upper Bhima/Krishna	Mah	Pune, Satara					
32	Ujjani	Bhima/Upper Bhima/Krishna	Mah	Pune, Solapur					
33	Mula	Mula/Upper Godavari/Godavari	Mah	Ahmadnagar					
34	Totladoh	Pench/Wainganga/Godavari	Mah	Chindwara (MP)/Nagpur (Mah)					
35	Parwati	Parbati/Kalisindh/Upper Chambal	Raj	Baran (Raj)/Baran (Raj), Kota (Raj), Sheopur (MP)					

36	Rana Pratap Sagar	Chambal/Upper Chambal/Ganga	Raj	Neemuch (MP)/Dholpur,Kota, Bundi (Raj)					
37	Panchana	Gambhiri/Upper Chambal/Ganga	Raj	Karauli					
38	Gudha	Mejchambal/UpperChambal/Ganga	Raj	Bhilwara/Bundi					
39	Kalisindh	Kalisindh/Upper Chambal/Ganga	Raj	Jhalawar, Kota					
40	Mahi Bajajsagar Dam	Mahi/Mahi B/Mahi	Raj	Ratlam (MP)/Banswara, Pratapgarh,Dungapur (Raj)					
41	Som Kamla Amba Dam	Mahi/Mahi B/Mahi	Raj	Udaipur/Dungarpur					
43	Gandhi Sagar	Chambal/Upper Chambal/Ganga	MP	Mandsaur, Neemuch (MP)/Dholpur (Raj)					
44	Bargi	Narmada/Upper Narmada/Narmada	MP	Mandla, Seoni/Jabalpur, Narsimhapur					
45	Tawa	Tawa/Middle Narmada/Narmada	MP	Betul, Hoshnabad/Sehore					
46	Bansagar	Sone/Sone/Ganga	MP	Katni, Umaria, Shahdol, Satna/ Rewa, Sidhi					
48	Rajghat	Betwa/Betwa/Ganga	MP	Ashoknagar (MP), Lalitpur (UP)/Shivpuri, Lalitpur (UP)					
50	Sanjay Sarovar	Wainganga/Wainganga/Godavari	MP	Seoni					
51	Bhavanisagar	Bhavani/Middle Cauvery/Cauvery	TN	Palakad (Kerala), Nilgiri (TN), Coimbatore (TN)/ Erode (TN)					
52	Rengali	Brahmani River/Brahmani and Baitarni/Brahmani and Baitarni	Odisha	Deogarh/Angul, Dhenkanal					
53	Hirakud`	Mahanadi River/Upper Mahanadi/Mahanadi	Odisha	Janjgir Champa, Raigarh (Chsgrh), Jharsuguda, Bargarh, Sambalpur (Odisha)/Subarnapur, Baudh, Anugul (Odisha)					
54	Nizamsagar	Manjira/Manjira/Godavari	Tel	Medak/Kamareddy					
55	Ukai	Tapi/Lower Tapi/Tapi	Guj	Nadurbar (Mah), Tapi(Guj)/ Surat (Guj)					
56	Madhuban	Damanganga/Damanganga/West Flowing Rivers from Tapi to Tadri	Guj	Valsad (Guj)/Selvasa (UT of DNH)					
57	Edamalayar	Upper Periyar/Periyar/Periyar	Ker	Coimbatore/Ernakulam					
58	Idukki	Periyar/Upper Periyar/West Flowing Rivers from Tadri to Kanyakumari	Ker	Idduki/Ernakulam					

Note- Based on above information, Project Authority may regulate the reservoirs as per standard operating manuals/ rule levels to avoid downstream flooding and upstream submergence.