



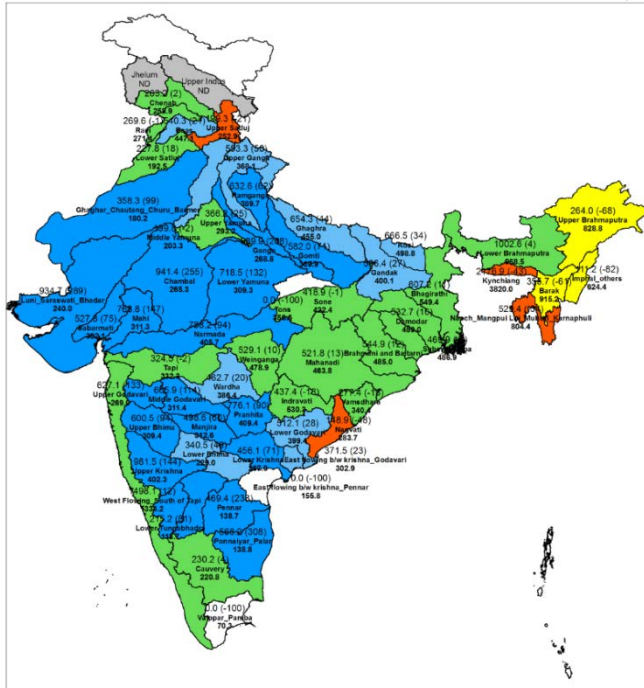
Central Water Commission
Daily Flood Situation Report cum Advisories
25-07-2021

1.0 Rainfall Situation

1.1 Basin wise departure from normal of cumulative and daily rainfall

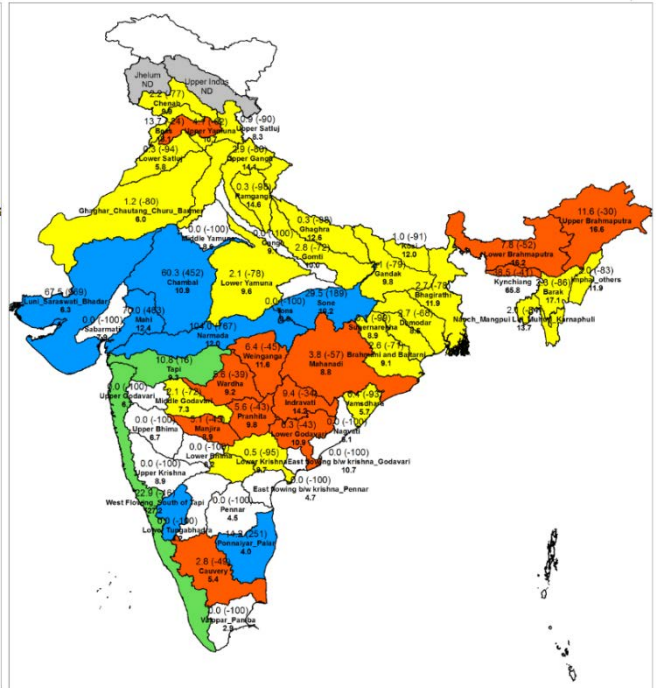
RIVER BASIN RAINFALL MAP : INDIA

Period :01-06-2021 To 25-07-2021

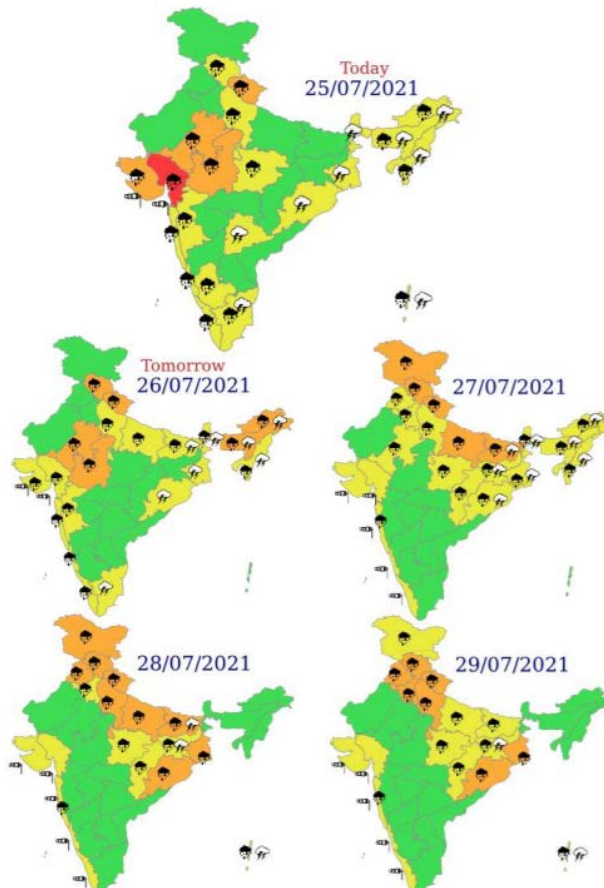


RIVER BASIN RAINFALL MAP : INDIA

Date :25-07-2021



1.2 Rainfall forecast for next 5 days issued on 25th July 2021 (Midday) by IMD



- Isolated **Extremely Heavy** rainfall over Gujarat Region on 25th and East Rajasthan on 25th July.
- Isolated **Very Heavy** rainfall over Jammu & Kashmir, Ladakh, Gilgit-Baltistan & Muzaffarabad, East Uttar Pradesh and Bihar on 27th & 28th; Himachal Pradesh during 26th-29th; Uttarakhand during 25th-29th; Punjab, Gangetic West Bengal, Odisha and West Uttar Pradesh on 28th & 29th; Haryana on 29th; West Madhya Pradesh on 25th & 26th; Arunachal Pradesh and Assam & Meghalaya on 26th; Saurashtra & Kutch and Madhya Maharashtra on 25th July, 2021.

2.0 Flood Situation and Advisories

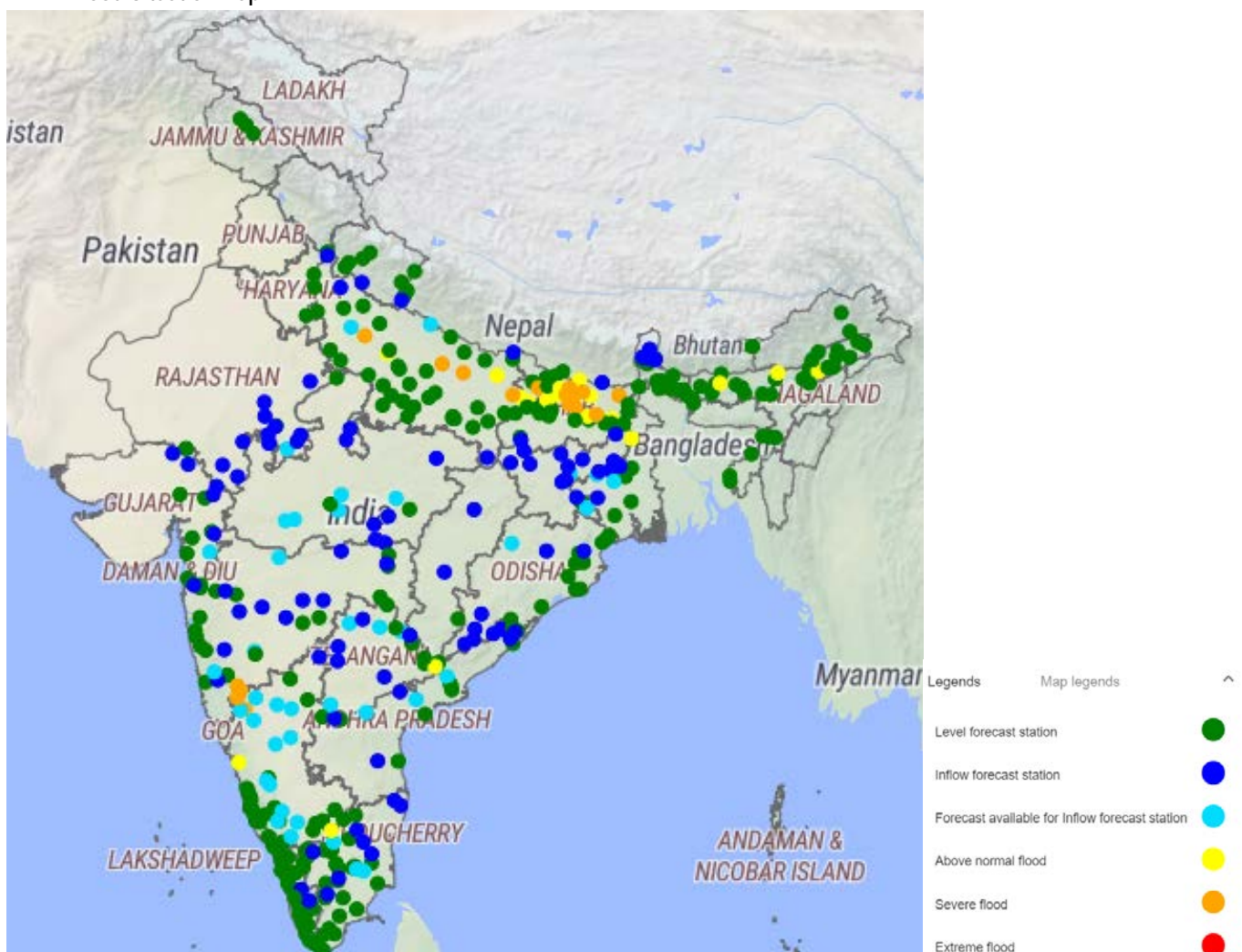
2.1 Summary of Flood Situation as per CWC Flood Forecasting Network

On 25th July, 2021, 21 Stations (10 in Bihar, 4 each in Maharashtra & U.P., 2 in Karnataka and 1 in Andhra Pradesh) are flowing in Severe Flood Situation and 18 stations (9 in Bihar, 3 in Assam, 2 in Uttar Pradesh & 1 each in Karnataka, Telangana, Tamil Nadu & West Bengal) are flowing in Above Normal Flood Situation. Inflow Forecast has been issued for 40 Barrages & Dams (13 in Karnataka, 5 in M.P., 4 in Telangana, 3 each in Andhra Pradesh, Maharashtra, Jharkhand, Tamil Nadu, 2 in U.P. and 1 each in Gujarat, Rajasthan, Odisha & 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))	21
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)		39
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)		40

Details are given at link: http://cwc.gov.in/sites/default/files/cfrcwcdfb-25.07.2021-2_5.pdf

2.1.1 Flood Situation Map



2.2 CWC Advisories

2.2.1 Narmada, Tapi, Mahi, Sabarmati, Banas & upper Chambal – Gujarat, Rajasthan, Maharashtra, Madhya Pradesh

IMD has predicted extremely heavy rains in upper Mahi Basin. Also heavy to very heavy rainfall over lower reaches of Mahi and in Sabarmati basins and rather heavy rains in Banas basin. Hence increased flows are expected in Upper reaches of Mahi till Mahi Bajaj Sagar dam, Anas river and Panam river mainly. Hence it is expected that Mahi Bajaj Sagar Dam (**Banswara dist., Rajasthan**), Kadana Dam, Panam Dam (**Mahi Sagar dist., Gujarat**) are expected to receive increased inflows. Currently inflows in Mahi Bajaj Sagar, Kadana and Panam are in rising state because of heavy rains lashing in Anas river and Panam river catchment.

If the rainfall continues in Sabarmati basin then Dharoi dam (**Sabarkanthadist, Gujarat**) will also receive inflows.

In Tapi Basin, Hathnur dam (Jalgaon, Maharashtra) inflows are 1210 cumec (Falling trend) and outflow is 1511 cumec, in Ukai Dam (Tapi dist. Gujarat) inflow is 3389 cumec and there is no outflow. Light to moderate rains are continuing in the basin.

In Narmada Basin, Hosangabad has received rainfall and there is forecast for further rainfall. It will increase inflows in Narmada river. Sardar Sarovar dam is receiving inflow of 1173 cumec though the level is steady as on now, and is expected to rise as IMD has predicted heavy rainfall over the region Omkareshwar and Indirasagar Dams in East Nimar Dt. of Gujarat, hence it is expected to receive heavy inflows and alert needs to be maintained.

In Chambal river flows are expected to rise. Alert needs to be kept for increased inflow in Gandhisagar and other dams. **Jhalawar** needs to be alerted for heavy inflow in Kalsindh river.

2.2.2 West Flowing Rivers between Tapi and Tadri and to Kanyakumari- Mumbai, Konkan, Goa, Coastal Karnataka & Kerala

IMD has predicted very heavy rainfalls along the west coast district except Mumbai and Thane. It is observed that rainfall has reduced over west coast and neighbourhood. Currently, most of the west flowing rivers from Tapi to Tadri has gone to normal state. Water levels of most of the West flowing rivers from Tadri to Kanyakumari also in nearly steady to falling trend. Even though the rainfall has decreased over the region as the IMD predicted heavy rains for next 2 days, it is advised to be watchful for the rivers such as Ulhas (Thane district); Bhogeshwari, Savitri & Kal (**Raigad district**); Bav (**Ratnagiri district**); Gad (**Sindhudurg dist.**); Madai (**North Goa**); Aghanashini (**Uttar Kannada District**); Haladi, Sita, Swarna and Shambavi (**Udupi district**); Gulpur & Netravathi (**Dakshina Kannada district**). As the soil moisture is high over the region, the surface flows will remain high for any rain event happening.

Watch for urban flooding situation is to be maintained in **Mumbai**.

Since heavy rainfall is likely to continue along Ghats of **Shimoga, Chikmagalur, Hassan & Kodagu** Districts in Karnataka, there is likelihood of inflow into all major reservoirs for next 2 days and close watch is to be maintained.

2.2.3 Godavari and Krishna basin– Maharashtra, Telangana, Andhra Pradesh & Karnataka

Godavari basin: IMD has predicted normal rainfall in Godavari basin. Water Levels in Godavari and its tributaries in Maharashtra and Telangana are flowing steady to falling trends. In Andhra Pradesh it is flowing in rising trend. Sriramsagar (>90%), Karanja (>83%), Yeldari, Kaddam and Sri Pada Yellampally are having storages >70% and above. Hence releases are to be done as per SOP.

Sriramsagar releases and combined effect of flow from Indravathi, Sabari, Pranrita and main Godavari will be realised at Polavaram Dam that is under Construction. Hence precaution needs to be taken. 17,000 cumec inflow is expected in Polavaram.

Godavari river is flowing in above normal flood situation in **Bhadradi** district.

As PVN Rao Kantapally (Sammakka Barrage), is passing (8,24,45 Cusecs) water due to inflows into the barrage, the same will reach downstream and water levels of downstream sites will rise, hence it is advised that the sites from Kunavaram to Dowlaiswaram to be watchful. Sites Bhadrachalam and Kunavaram in falling stage.

Krishna Basin: Heavy rainfall at Mahabaleshwar is still continuing in the region and it is the source regions for Krishna, Koyna as well as West flowing rivers. Close watch is to be maintained in all reservoirs of Krishna, Bhima and their tributaries in Maharashtra. In Krishna basin, all the major dams such as Almati, Narayanpur, Ujjani, P D Jurala, Bhadra, Malaprabha, Ghataprabha & Tungabhadra dam inflows are expected to flow in steady condition. Releases from these dams may be done as per SOP. Ghataprabha river in **Belgaum district**, Varada river in **Dharwad district** of Karnataka; **Warna river (Sangli dist.)**, **Krishna Main river in Kolhapur & Sangli dist.**, **Yerala river in Sangli district of Maharashtra** are already in severe flooding situation with nearly rising trend.

2.2.4 Cauvery basin – Karnataka, Tamil Nadu

Inflows into Harangi, Hemavathi, Kabini and KRS dams are having steady trend. Close watch is to be maintained as the storages are high in most of the major projects. Necessary precautions may be taken for releases from dam after informing all downstream areas in Karnataka and lower riparian States. Inflow increase is expected in Hemavathi dam.

Releases from Kabini dam are being realised at Mettur dam of **Salem and Dharmapuri district (Tamil Nadu)**.

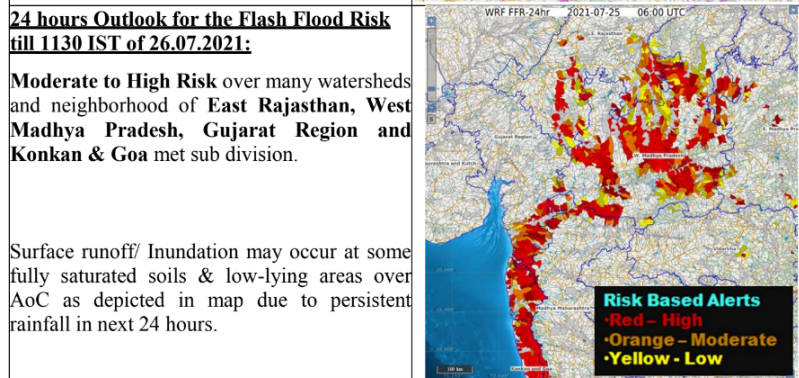
2.2.5 Ganga – Bihar, Uttar Pradesh

Currently river Ghagra, Rapti, Gandak, Ramganga, Bagmati, Kamla, Burhi Gandak, Adhwara, Mahananda, Parman & Kosi are flowing in severe to above normal flood situation in districts **Barabanki, Gorakpur, Ayodhya, Ballia, Kushinagar, Ghaziabad, Moradabad** (of Uttar Pradesh), **Siwan, Muzaffarpur, Gopalganj, Darbhanga, Madhubani, Khagaria, Supaul, Samastipur, Araria, Sitamarhi & Katihar** (of Bihar). Abatement of water levels in above mentioned rivers of Bihar are expected to be very slow. Alert may also be sounded in the districts of Gonda, Basti, Deoria, Maharajganj.

Main Ganga river is having above normal to severe situation in the districts **Bulandshahar, Badaun, Kanshiram Nagar & Farrukhabad**, hence alert may be kept.

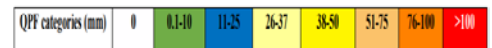
2.3 Flash Flood Guidance

IMD has issued flash flood risk over many watersheds and neighbourhood of East Rajasthan, West Madhya Pradesh, Gujarat region and Konkan & Goa met sub-divisions.



3. Storage Position in Dams where Inflow forecast is being issued by CWC as on 25th July 2021

Reservoirs shown in **red** are having gross storage capacity **more than 80%** and those in **orange** are having gross storage **greater than 60%**. 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:



#	Reservoir/Dams	River/Sub-Basin /Basin	State	US/ DS District	Rainfall situation				
					Day 1	Day 2	Day 3	Day 4	Day 5
1	Pulichinthala	Krishna/Lower Krishna	Andhra Pradesh	Nalgonda(Telangana)/Guntoor,Krishna (AP)					
2	Sri PadaYellampally	Godavari/Middle Godavari/Godavari	Telangana	Mancherla/JaishankarBhupalpally					
3	Sriramsagar Project	Godavari/Middle Godavari /Godavari	Telangana	Nanded (Mah)/Nirmal (Telangana)					
4	Kaddam	Kaddam/Middle Godavari/Godavari	Telangana	Adilabad, Nirmal/Mancherla					
5	Panchet	Damodar/Damodar East/Ganga	Jharkhand	Dhanbad					
6	Maithon	Barakar/Barakar East/Ganga	Jharkhand	Dhanbad					
7	Kabini	Kabini/Kabini/ Cauvery	Karnataka	Wayanad (Kerala)/ Mysuru (Karnataka)					
8	Harangi	Cauvery/Upper Cauvery/Cauvery	Karnataka	Kodagu/Mandya					
9	Karanja	Karanja/Manjara/Godavari	Karnataka	Bidar (Kar), Vikarabad(Telangana)/ Bidar(Kar)					
10	Tungabhadra	Tungabhadra/Middle Tungabhadra/Krishna	Karnataka	Gadag/Bellary, Koppal, Raichur					
11	Hemavathy	Hemavathy/ Hemavathy/Cauvery	Karnataka	Hassan, Kodagu/Mandya, Mysore					
12	Bhadra	Bhadra/Upper Tungabhadra/Krishna	Karnataka	Chikmagalur/Shimoga					
13	Hidkal	Ghataprabha/Ghataprabha /Krishna	Karnataka	Kolhapur (Mah)/ Belgaum (Kar)					
14	Malaprabha	Malaprabha/Malaprabha/Krishna	Karnataka	Belgaum					
15	Warana	Warana/Upper Krishna/Krishna	Maharashtra	Kolhapur, Sangli					
16	Koyna	Koyna/ Upper Krishna/Krishna	Maharashtra	Satara/Kolhapur, Sangli					
17	Yeldari	Purna/Purna/Godavari	Maharashtra	Parbhani, Hingoli					
18	Veer	Nira/Upper Bhima/Krishna	Maharashtra	Pune, Satara					
19	RanaPratapSagar	Chambal/Upper Chambal/Ganga	Rajasthan	Neemuch(MP)/Dholpur,Kota , Bundi(Raj)					
20	SomKamlaAmba	Som/Mahi B/Mahi	Rajasthan	Udaipur/ Dungarpur					
21	Kalisindh	Kalisindh/Upper Chambal/Ganga	Rajasthan	Shajapur, Rajgarh(MP)/Jhalawar(Raj)					

22	Vaigai	Vaigai/Upper Rivers b/w &Kanyakumari	Vaigai/EF Cauvery	Tamil Nadu	Theni/Madurai					
23	Bhavanisagar	Bhavani/ Middle Cauvery/ Cauvery		Tamil Nadu	Palakad (Kerala), Nilgiri (TN), Coimbatore (TN)/ Erode (TN)					

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.