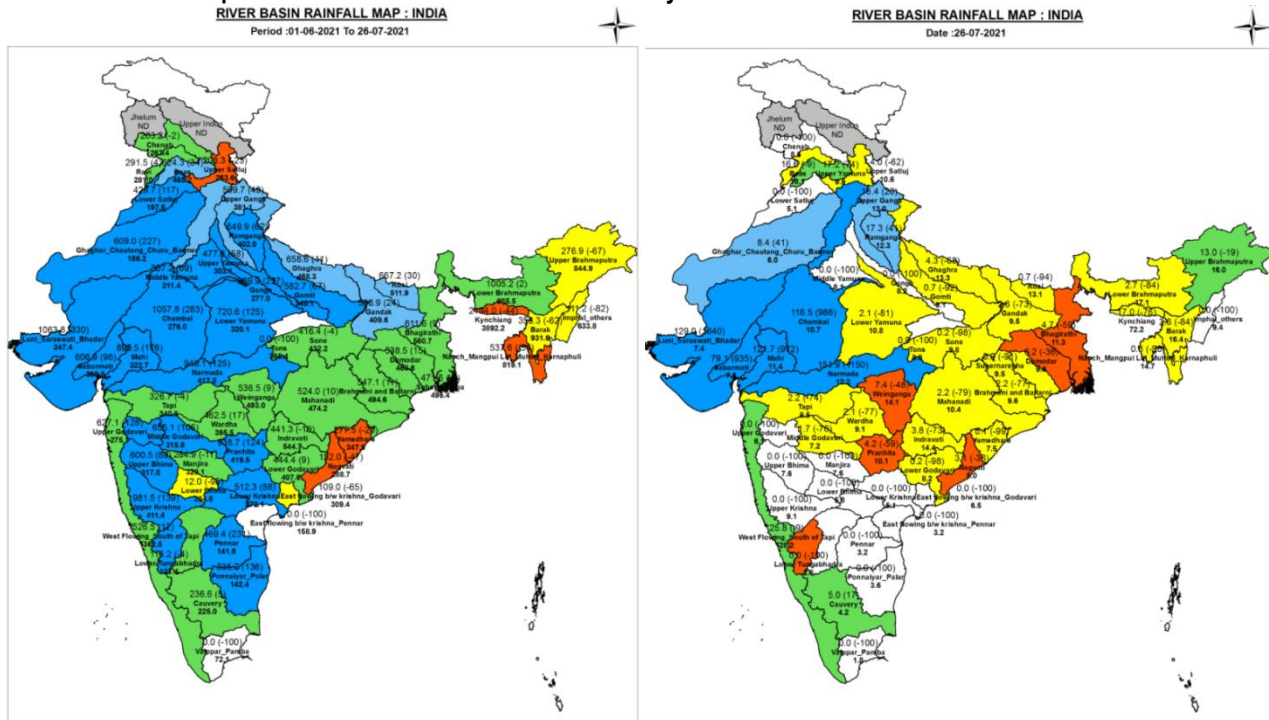




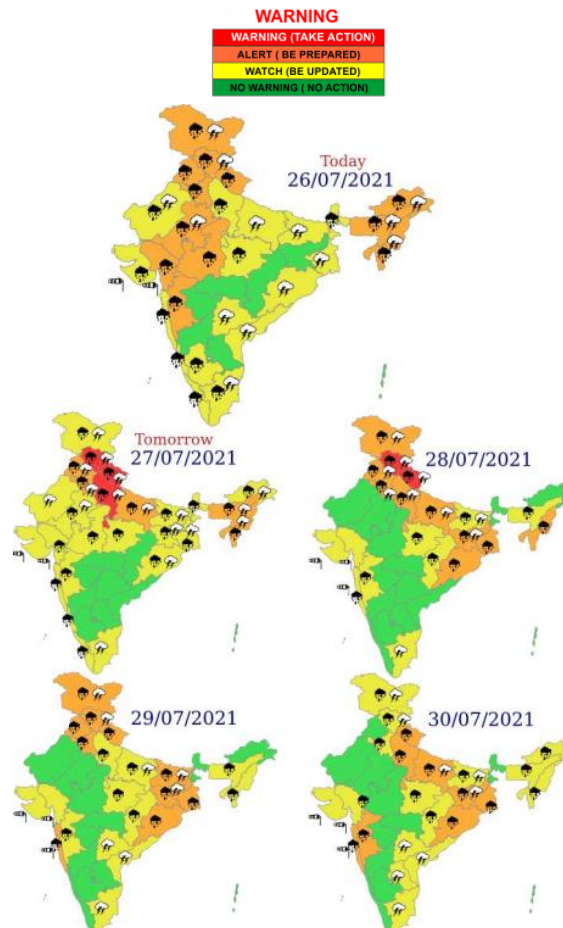
Central Water Commission
Daily Flood Situation Report cum Advisories
26-07-2021

1.0 Rainfall Situation

1.1 Basin wise departure from normal of cumulative and daily rainfall



1.2 Rainfall forecast for next 5 days issued on 26th July 2021 (Midday) by IMD



- Isolated Very Heavy/Extremely Heavy falls over Jammu & Kashmir, Ladakh, Gilgit-Baltistan & Muzaffarabad, Himachal Pradesh, Uttarakhand, Punjab, Haryana, Uttar Pradesh during 26th-30th; Gangetic West Bengal, Odisha and Jharkhand during 28th-30th; West Madhya Pradesh, Madhya Maharashtra & Gujarat region on 26th July, 2021.

2.0 Flood Situation and Advisories

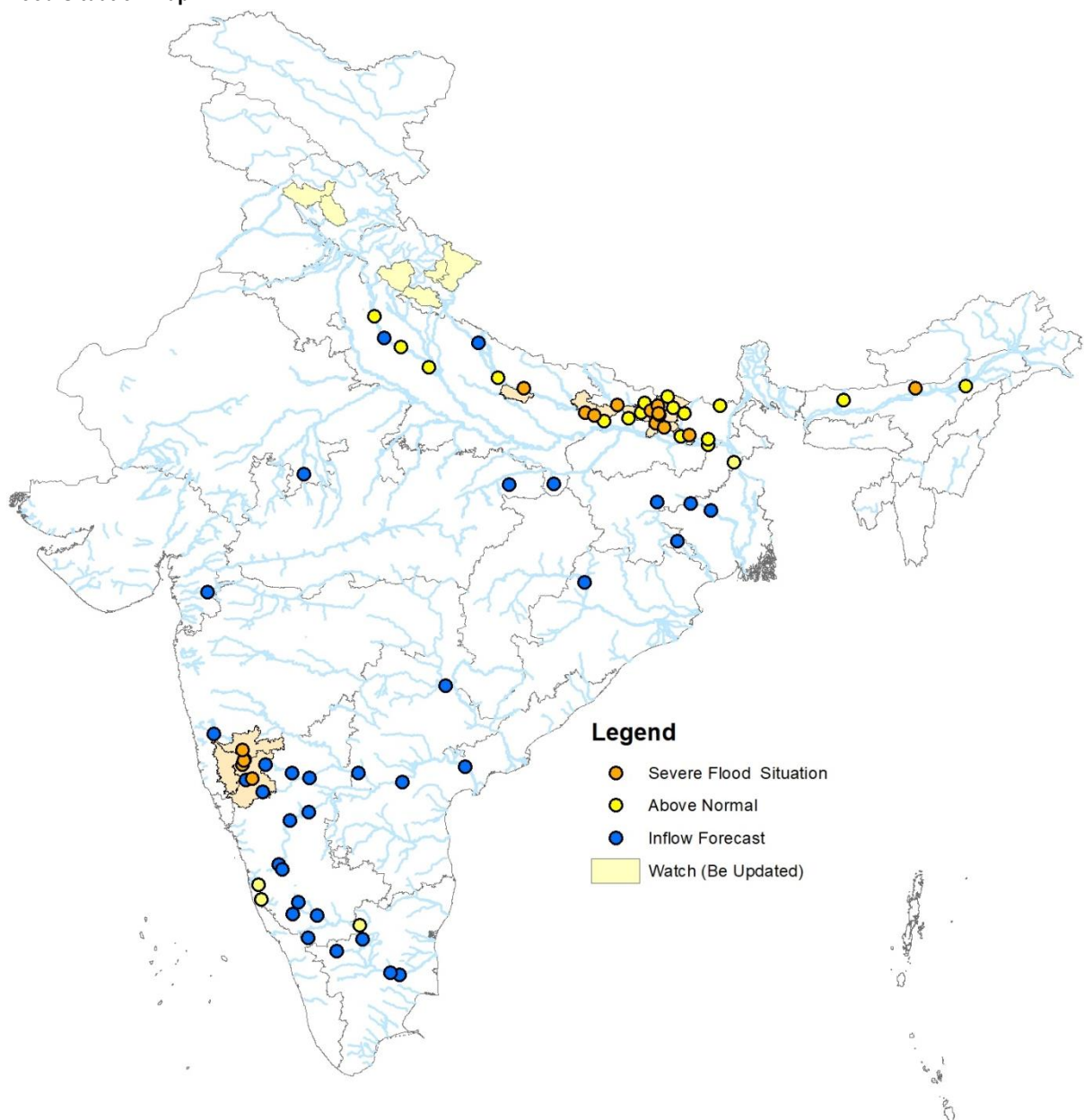
2.1 Summary of Flood Situation as per CWC Flood Forecasting Network

On 26th July, 2021, 18 Stations (9 in Bihar, 4 in Maharashtra, 2 each in U.P & Karnataka and 1 in Assam) are flowing in Severe Flood Situation and 22 stations (11 in Bihar, 5 in Uttar Pradesh, 2 each in Karnataka & Assam, 1 each in Tamil Nadu & West Bengal) are flowing in Above Normal Flood Situation. Inflow Forecast has been issued for 33 Barrages & Dams (16 in Karnataka, 4 in Tamil Nadu, 3 in U.P, 2 each in Telangana & Andhra Pradesh and 1 each in Gujarat, Odisha, Madhya Pradesh, Maharashtra, Rajasthan, & West Bengal).

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))	18
C	Above Normal Flood Situation: (Site (s) where water level is touching or exceeding the Warning Level but below Danger Level)	22
Total number of sites above Warning Level (A+B+C)		40
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)		33

Details are given at link: https://drive.google.com/file/d/1JsIPaN7Shijn_S9u4BQivpuWPQcVmNki/view?usp=sharing

2.1.1 Flood Situation Map



2.2 CWC Advisories

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

IMD has predicted 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. IMD has predicted heavy rains for next 2 days, hence, 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.) in **Maharashtra**; Madai (**North Goa**); Aghanashini (**Uttar Kannada** District); Haladi, Sita, Swarna and Shambavi (**Udupi** district); Gurgur & Netravathi (**Dakshina Kannada** district) of **Karnataka**. As the soil moisture is high over the region, the surface flows will remain high for any rain event happening. Linganamakki dam on Sharavathi river, **Shimoga** dist. and Supa dam on Kali river in **Uttara Kannada** dist. of **Karnataka** has reached 71% and 64% capacity respectively.

- Madhuban dam (**Valsad** dist., **Gujarat**) of Damanganga basin is expected to receive increased inflows.

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

Godavari basin: IMD has predicted normal rainfall in Godavari basin. Water Levels in Godavari in Maharashtra is having rising trend in Nanded & Prabhani and most of the other districts in Maharashtra, Telangana & Andhra Pradesh are flowing steady to falling trends. 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, Pranhita and main Godavari will be realised at Polavaram Dam that is under Construction. Hence precaution needs to be taken.

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 (58% filled), Narayanpur (65%), P D Jurala (38%), Bhadra (88%), Malaprabha (87%), Ghataprabha (95%) & Tungabhadra dam (93%) inflows are expected to follow steady conditions. Releases from these dams may be done as per SOP. **Panchganga river** and **main Krishna river** in **Kolhapur** dist., **Yerala river** in **Sangli** dist. of **Maharashtra**, **Dundhganga river** in **Belgaum** dist. in **Karnataka** are already in severe flooding situation with nearly steady to falling trend.

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

2.2.4 Ganga – Bihar, Uttar Pradesh

Currently river Ghagra, Rapti, Gandak, Bagmati, Kamla, Burhi Gandak, Adhwara, Parman & Kosi are flowing in severe to above normal flood situation in districts **Barabanki, Gorakpur, Ayodhya & Ballia** (of Uttar Pradesh), **Siwan, Muzaffarpur, Gopalganj, Darbhanga, Madhubani, Khagaria, Supaul, Samastipur, Araria & 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 flood situations in the districts **Murshidabad (West Bengal), Hapur, Badaun, & Farrukhabad (of Uttar Pradesh) & Bhagalpur (Bihar)** hence alert may be kept.

2.2.5 Yamuna Basin, Chenab, Jhelum, Tributaries of Ganga in Uttarakhand

Extremely heavy rainfall are predicted in Jhelum, Chenab, Ramganga, Sharda, Rabi, Alaknanda, Bagirathi and upper Yamuna with peak intensity on 27th and 28th. Hence flows are expected to rise in above said rivers.

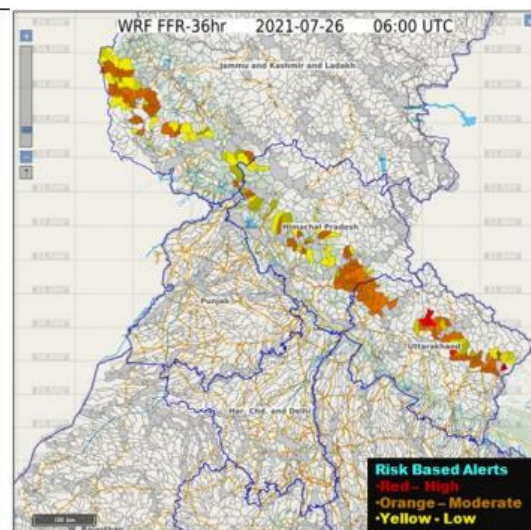
2.3 Flash Flood Guidance

IMD has issued flash flood risk over many watersheds and neighbourhood of West & East Madhya Pradesh and Uttarakhand met sub-divisions.

36 hours Flash Flood Risk Outlook Till 2330 IST of 27.07.2021:

Moderate Risk likely over few watersheds and neighborhood of **Jammu & Kashmir, Himachal Pradesh, Uttarakhand** in next 36 hours.

Surface runoff/ Inundation may occur at some fully saturated soils & low-lying areas over AoC as depicted in map due to **expected persistent rainfall occurrence in next 36 hours.**



3. Storage Position in Dams where Inflow forecast is being issued by CWC as on 26th 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:

QPF categories (mm)	0	0.1-10	11-25	26-37	38-50	51-75	76-100	>100
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#	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/Krishna	Andhra Pradesh	Nalgonda (Telangana)/Guntoor, Krishna (AP)					
2	Sri Padav Yellampally	Godavari/Middle Godavari/Godavari	Telangana	Mancherla/Jaishankar Bhupalpally					
3	Sriramsagar	Godavari/Middle Godavari/ Godavari	Telangana	Nanded (Mah)/Nirmal (Telangana)					
4	Kaddam	Kaddam/Middle Godavari/Godavari	Telangana	Adilabad, Nirmal (Telangana)/Mancherla					
5	Panchet	Damodar/Damodar East/Ganga	Jharkhand	Dhanbad (Jharkhand)/Durgapur (WB)					
6	Maithon	Barakar/Barakar East/Ganga	Jharkhand	Dhanbad (Jharkhand)/Durgapur (WB)					
7	Narayanpur	Krishna/Upper Krishna/Krishna	Karnataka	Bagalkot, Vijayapura/Raichur, Yadgir					
8	Kabini	Kabini/Kabini/Cauvery	Karnataka	Wayanad (Kerala)/Mysuru (Karnataka)					
9	Harangi	Cauvery/Upper Cauvery/Cauvery	Karnataka	Kodagu/Mandya					
10	Almatti	Krishna/ Upper Krishna/Krishna	Karnataka	Kolhapur(Mah)/Bagalkote(Kar)					
11	Karanja	Karanja/Manjara/Godavari	Karnataka	Bidar (Kar), Vikarabad (Telangana)/Bidar(Kar)					
12	Tungabhadra	Tungabhadra/Middle Tungabhadra/Krishna	Karnataka	Gadag/Bellary, Koppal, Raichur					
13	Hemavathy	Hemavathy/ Hemavathy/Cauvery	Karnataka	Hassan, Kodagu/Mandya, Mysore					
14	Bhadra	Bhadra/Upper Tungabhadra/Krishna	Karnataka	Chikmagalur/Shimoga					
15	Hidkal	Ghataprabha/Ghataprabha/Krishna	Karnataka	Kolhapur (Mah)/Belgaum (Kar)					
16	Warana	Warana/Upper Krishna/Krishna	Maharashtra	Kolhapur, Sangli					
17	Koyna	Koyna/ Upper Krishna/Krishna	Maharashtra	Satara/Kolhapur, Sangli					
18	Yeldari	Purna/Purna/Godavari	Maharashtra	Parbhani, Hingoli					
19	Veer	Nira/Upper Bhima/Krishna	Maharashtra	Pune, Satara					
20	Rana Pratap Sagar	Chambal/Upper Chambal/Ganga	Rajasthan	Neemuch (MP)/Dholpur, Kota, Bundi (Raj)					
21	Som Kamla Amba	Som/Mahi B/Mahi	Rajasthan	Udaipur/Dungarpur					
22	Vaigai	Vaigai/Upper Vaigai/EF Rivers b/w Cauvery & Kanyakumari	Tamil Nadu	Theni/Madurai					
23	Bhavanisagar	Bhavani/Middle Cauvery/Cauvery	Tamil Nadu	Palakad (Kerala), Nilgiri, 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.