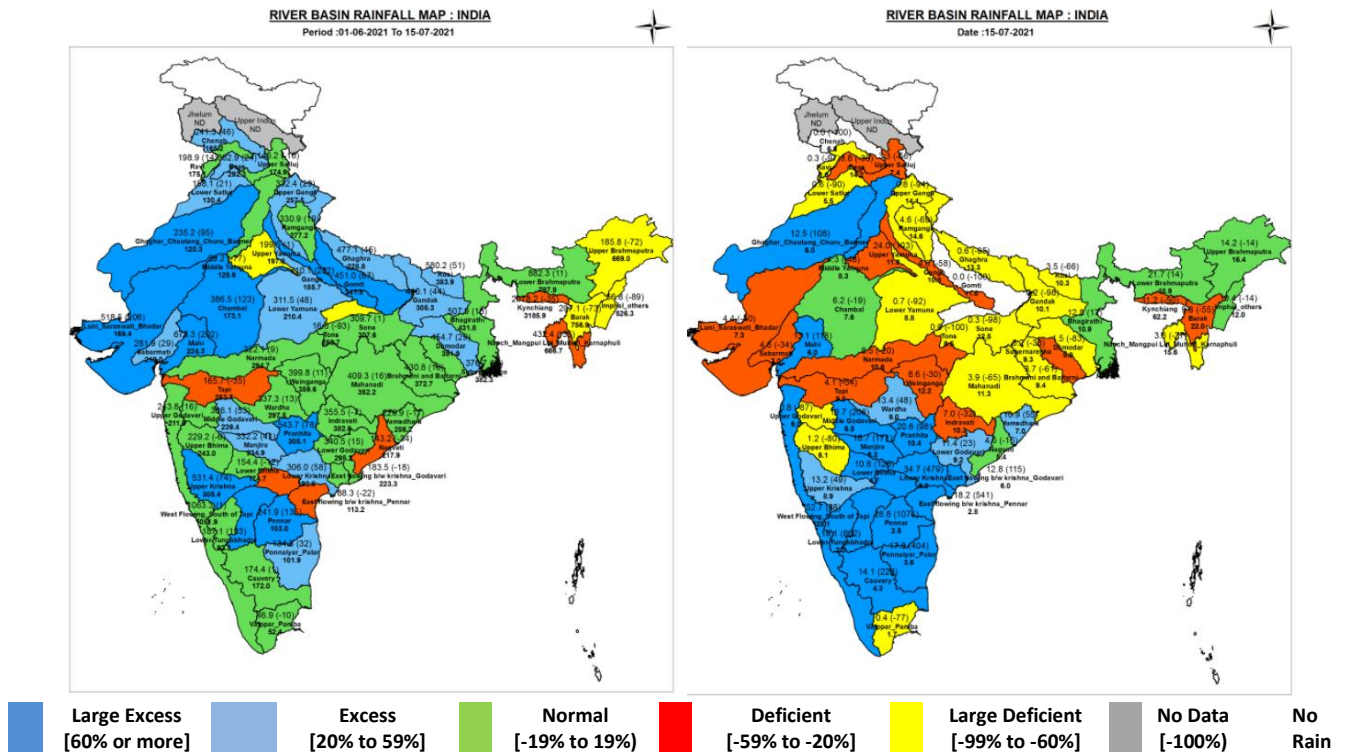




Central Water Commission
Daily Flood Situation Report cum Advisories
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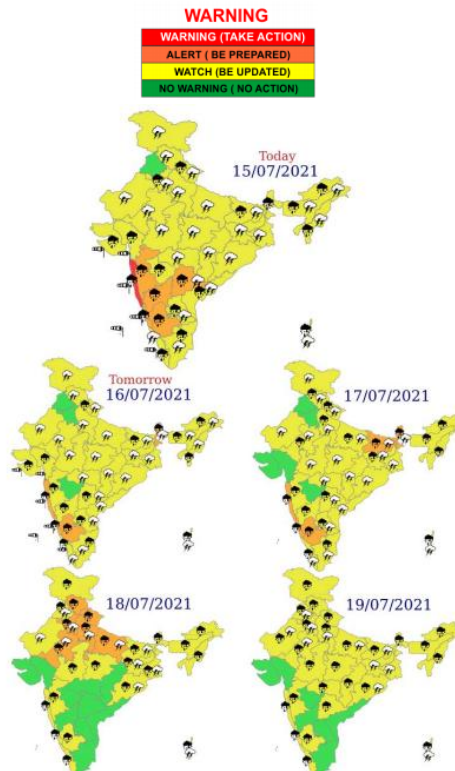
1.0 Rainfall Situation

1.1 Basin wise departure from normal of cumulative and daily rainfall



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 15th July, 2021 (Midday) by IMD



- Extremely Heavy Falls over Konkan & Goa on 15th July; Heavy to very heavy rainfall over Himachal Pradesh, Uttarakhand, Haryana, Chandigarh & Delhi on 18th & 19th; over Uttar Pradesh, East Rajasthan on 18th; over Bihar, Assam & Meghalaya on 17th & 18th; over Sub Himalayan West Bengal, Arunachal Pradesh on 16th & 17th; over South Interior Karnataka during 15th - 17th and over Coastal Karnataka during 15th - 19th July 2021.

2.0 Flood Situation and Advisories

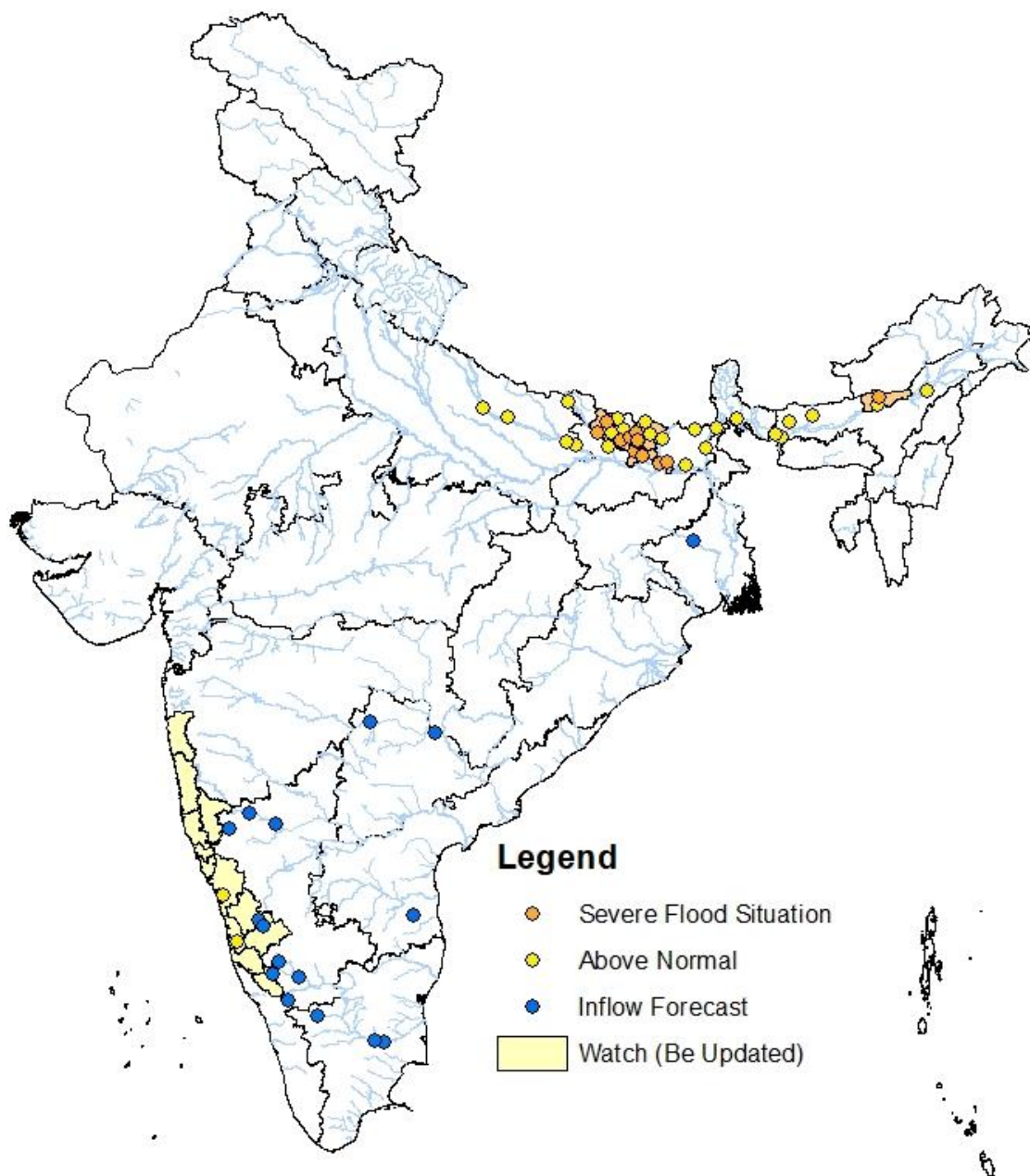
2.1 Summary of Flood Situation as per CWC Flood Forecasting Network

On 15th July, 2021, 12 Stations (11 in Bihar and 1 in Assam) are flowing in Severe Flood Situation and 25 stations (12 in Bihar, 6 in Assam, 4 in Uttar Pradesh, 2 in Karnataka and 1 in West Bengal) are flowing in Above Normal Flood Situation. Inflow Forecast has been issued for 16 Barrages & Dams (9 in Karnataka, 3 each in Tamilnadu & Telangana and 1 in 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)) | 12 |
| C | Above Normal Flood Situation: (Site (s) where water level is touching or exceeding the Warning Level but below Danger Level) | 25 |
| Total number of sites above Warning Level (A+B+C) | | 37 |
| 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) | | 16 |

Details are given at link: http://cwc.gov.in/sites/default/files/cfrcwcdfb-15.07.2021-2_5.pdf

2.1.1 Flood Situation Map



2.2 CWC Advisories

2.2.1 West Flowing Rivers between Tapi and Tadri - Mumbai, Konkan and Goa, Coastal Karnataka

Heavy to very heavy rainfall are very likely at isolated places over Konkan & Goa with extremely heavy rainfall at Ratnagiri, North and South Goa in the next 2 days leading to rise in water levels of rivers in these Districts. Since most of the dams in the region have storage of the order of 30 to 65% of their Full capacity, the present rainfall may aid in increase of storage and there is no likelihood of any spill from any reservoir in this spell of rain.

In **Mumbai**, watch for urban flooding situation has to be kept.

Heavy rainfall to very heavy rainfall is likely to continue in the Coastal Districts and in Western Ghat areas in Karnataka, many of the rivers have started rising. River Aghanashini in Uttara Kannada District and River Swarna in Udupi District are flowing in above normal flood situation with falling trend. Since heavy rainfall is likely to continue along Ghats of Shivamogga, Chikmagalur, Hassan & Kodagu Districts, there is likelihood of inflow into all major reservoirs in Karnataka for next 2 days and close watch is to be maintained. However, most of the dams in this reach such as Linganamakki, Supa and Varahi are having only 15-41% of their full capacity, this rain may help in increasing the storage of these reservoirs and no major spillage is expected.

Cauvery basin

Due to forecasted heavy to very heavy rainfall in the next 2-3 days, heavy inflows can be expected in f Harangi, Hemavathi, Kabini and KRS dams and close watch is to be maintained. Due to heavy rainfall, River Harangi at Mukkodlu was rising sharply and is now falling slowly. Kabini Dam is 77% full with water level at 694.551 m compared to rule level of 694.25m. Necessary precautions may be taken for releases from dam after informing all downstream areas in Karnataka and lower riparian States.

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

Almatti Dam is having storage of 74% and Narayanpur Dam is having storage of 91%. The excess inflows likely to be received due to forecasted rainfall should accordingly be regulated and released as per rule curves of both the dams. Reservoir Operation as per latest rule curves may have to be continued as is being done presently to avoid any downstream flooding and upstream submergence.

Upper Tunga/ Gajanur dam is at FRL. Due to predicted rainfall, there is likelihood of increased inflow into dam. Releases, if any, should be done following SOP & after informing all downstream districts /lower riparian state.

Water levels may rise slowly due to rainfall in sub catchments of Godavari Basin. As Laxmi Barrage is passing (1,23,496 Cusecs) due to increased inflows, the same will reach downstream and water levels will rise. The sites from Kaleswaram to Dowlaiswaram are advised to be watchful.

Manjira, Upper & Middle Godavari, Purna, Penganga & Musi sub basins has received moderate to heavy rains in last 24 hrs, hence increased inflow is expected in Singur dam (Medak district) & Nizamsagar (Nizamabad) of Andhra Pradesh.

2.2.3 Ganga Basin – Bihar, Uttar Pradesh

In Nepal Kosi, Bagmati and Kankai river basins have received light to moderate rains with isolated very heavy rains. Currently river Ghagra, Rapti, Gandak, Bagmati, Kamla, Burhi Gandak, Adhwara, Mahananda, Parman & Kosi are flowing in severe to above normal flood situation in districts Barabanki, Ballia, Gorakhpur, Kushinagar (of Uttar Pradesh), Siwan, Purba Champaran, Muzaffarpur, Gopalganj, Darbhanga, Sitamarhi, Madhubani, Khagaria, Supaul, Samastipur, Araria & Katihar (of Bihar). There is a chance of increase of water levels in Ghagara, Kosi & Bagmati due to last 24 hour rain in upper reaches of these rivers.

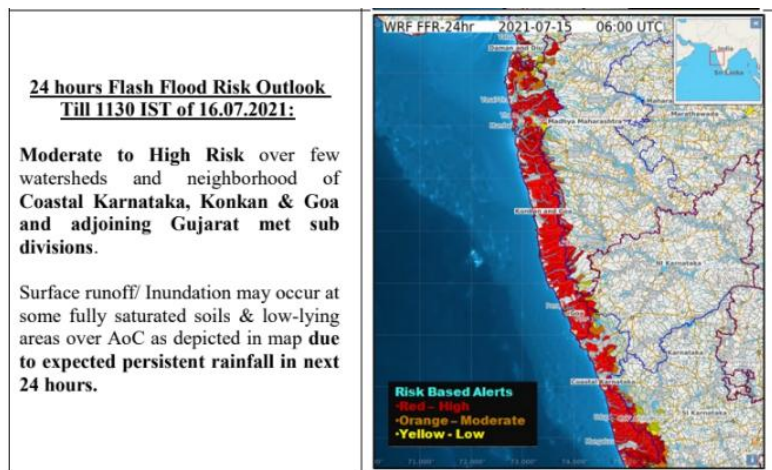
Abatement of water levels in above mentioned rivers of Bihar are expected to be very slow.

2.2.5 Brahmaputra and its tributaries – Assam, Arunachal Pradesh & Sub Himalayan Bengal

Jia-Bharali river is flowing in severe flood situation in Sonitpur district, while river Brahmaputra in Jorhat & Dhubri districts and Beki at Barpeta are flowing in above normal flood situation. River Teesta is flowing in above normal flood situation at Jalpaiguri (West Bengal).

3. Flash Flood Guidance

IMD has issued flash flood risk over many watersheds and neighbourhood for Coastal Karnataka, Konkan & Goa and adjoining Gujarat met sub-divisions.



3. Storage Position in Dams where Inflow forecast is being issued by CWC as on 15th 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 high QPF has been indicated in next 120 hours.

| # | 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(Tel)/Guntoor, Krishna(AP) | | | | | |
| 2 | Kaddam | Kaddam/Middle Godavari/Godavari | Telangana | Adilabad,Nirmal/Mancheria | | | | | |
| 3 | Panchet | Damodar/ Damodar East/ Ganga | Jharkhand | Dhanbad | | | | | |
| 4 | Maithon | Barakar/Barakar East/Ganga | Jharkhand | Dhanbad | | | | | |
| 5 | Almatti | Krishna/ Upper Krishna/ Krishna | Karnataka | Kolhapur (Maharashtra)/ Bagalkote (Karnataka) | | | | | |
| 6 | Narayanpur | Krishna/Upper Krishna/Krishna | Karnataka | Bagalkot, Vijayapura/Raichur,Yadgir | | | | | |
| 7 | Kabini | Kabini/Kabini/ Cauvery | Karnataka | Wayanad (Kerala)/ Mysuru (Karnataka) | | | | | |
| 8 | Karanja | Karanja/Manjara/ Godavari | Karnataka | Bidar (Kar), Vikarabad(Telangana)/ Bidar(Kar) | | | | | |
| 9 | Harangi | Cauvery/Cauvery/Cauv ery | Karnataka | Kodagu/Mandya | | | | | |
| 10 | Rana PratapSagar | Chambal/Upper Chambal/Ganga | Rajasthan | Neemuch(MP)/ Dholpur, Kota, Bundi(Raj) | | | | | |
| 11 | SomKamlaAmb a | Som/Mahi B/ Mahi | Rajasthan | Udaipur/ Dungarpur | | | | | |
| 12 | Sri PadaYellampally | Godavari/Middle Godavari/Godavari | Telangana | Mancheria/JaishankarBhupalpally | | | | | |
| 13 | Musi | Musi/Lower Krishna/ Krishna | Telangana | Nalgonda | | | | | |
| 14 | Vaigai | Vaigai/Upper Vaigai/EF Rivers b/w Cauvery & Kanyakumari | Tamil Nadu | Theni/Madurai | | | | | |
| 15 | 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.