



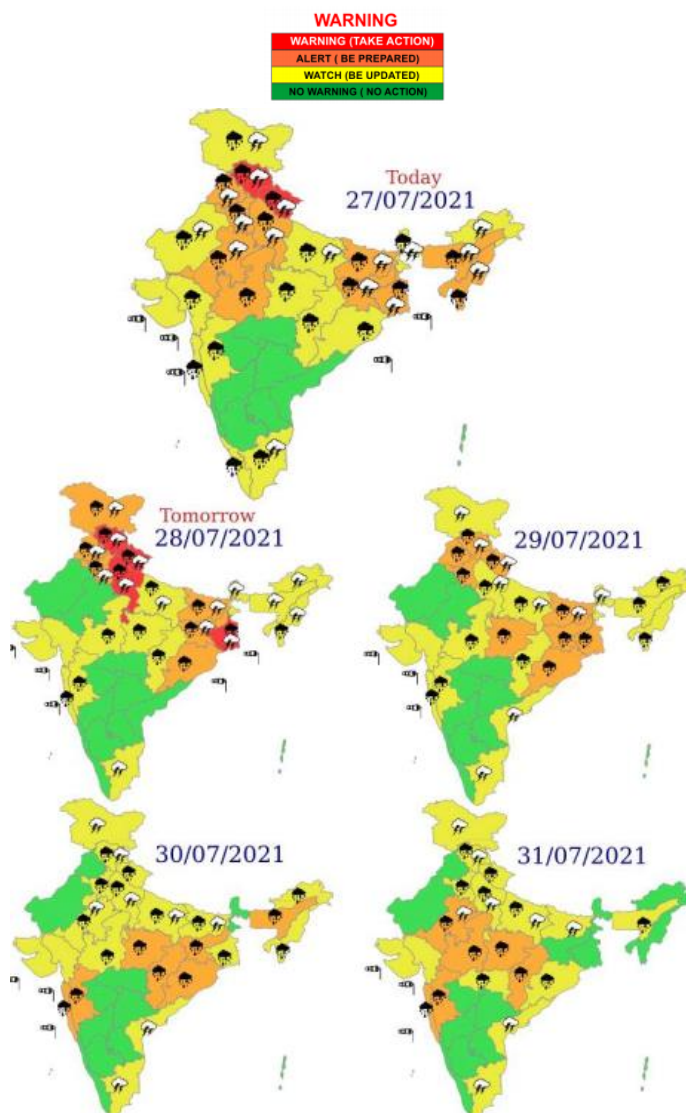
Central Water Commission
Daily Flood Situation Report cum Advisories
27-07-2021

1.0 IMD information

1.1 Chief amount of rainfall recorded at 0830 hours IST of today (7 cm or more) as per IMD

| Name of Place (State) | Rainfall (in cm) |
|---|------------------|
| Guna (Madhya Pradesh) | 26 |
| Baran (Rajasthan) | 22 |
| Sheopur & Datia (Madhya Pradesh) | 16 each |
| Shivpuri & Muraina (Madhya Pradesh) | 15 each |
| Kapurthala (Punjab), Jamtara (Jharkhand), Anand (Gujarat) | 13 each |
| Burdwan (Madhya Pradesh), Araria (Bihar) | 12 each |
| Jhalawar & Madhopur (Rajasthan) | 11 each |
| Ashoknagar (Madhya Pradesh), Pratapgarh (UP) | 10 each |
| Delhi, Valsad (Gujarat), Churu, Hanumangarh & Bharatpur (Rajasthan), Satara (Maharashtra), Vidisha (Madhya Pradesh) | 9 each |
| Gwalior & Mandsaur (Madhya Pradesh), Junagarh & Navsari (Gujarat), Hamirpur (Himachal Pradesh), Barrackpore (West Bengal) | 8 each |
| Palwal & Gorakhpur (Uttar Pradesh), East Champaran (Bihar), Nashik (Maharashtra), Barpeta (Assam) | 7 each |

1.2 Rainfall forecast for next 5 days issued on 27th July 2021 (Midday) by IMD



- Isolated Very Heavy/Extremely Heavy falls over Jammu & Kashmir, Ladakh, Gilgit-Baltistan & Muzaffarabad on 28th; Himachal Pradesh, Uttarakhand, Punjab, Haryana during 27th–29th; West Uttar Pradesh on 27th & 28th; East Rajasthan & West Madhya Pradesh on 27th & 31st; East Madhya Pradesh during 29th–31st; Chhattisgarh on 30th & 31st; Bihar & Gangetic West Bengal during 27th–29th; Jharkhand during 27th–30th; Odisha during 28th–30th; Assam & Meghalaya on 27th & 30th; Madhya Maharashtra & Konkan & Goa on 30th & 31st July, 2021.

2.0 Flood Situation and Advisories

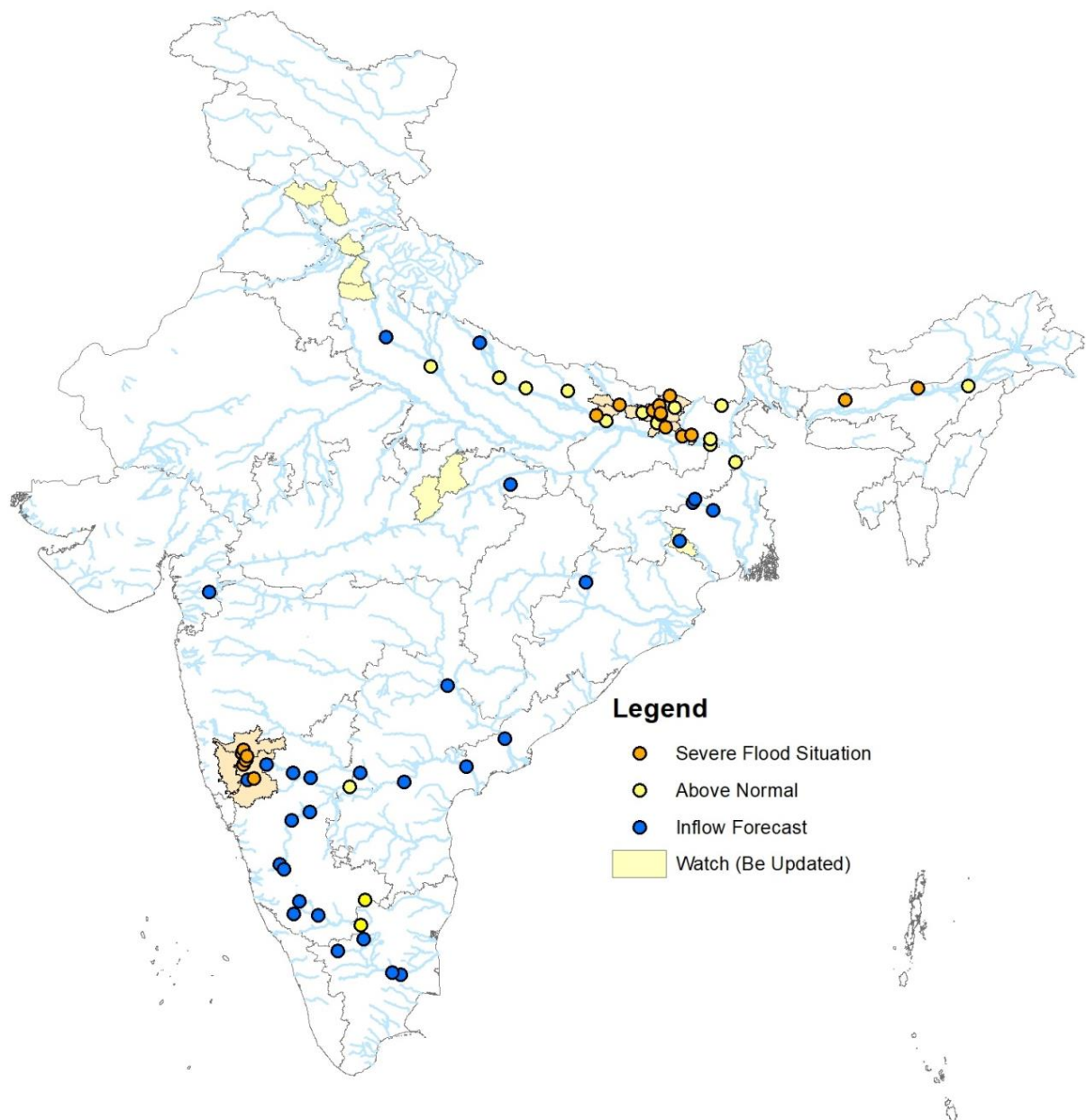
2.1 Summary of Flood Situation as per CWC Flood Forecasting Network

On 27th July, 2021, 21 Stations (10 in Bihar, 5 in Maharashtra, 2 each in U.P & Karnataka and 2 in Assam) are flowing in Severe Flood Situation and 16 stations (7 in Bihar, 4 in Uttar Pradesh, 2 in Tamil Nadu, 1 each in Assam, Andhra Pradesh & West Bengal) are flowing in Above Normal Flood Situation. Inflow Forecast has been issued for 30 Barrages & Dams (12 in Karnataka, 4 in Tamil Nadu, 3 each in Andhra Pradesh & Jharkhand, 2 each in Telangana & Uttar Pradesh and 1 each in Gujarat, Odisha, Madhya Pradesh, & 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)) | 21 |
| C | Above Normal Flood Situation: (Site (s) where water level is touching or exceeding the Warning Level but below Danger Level) | 16 |
| 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) | | 30 |

Details are given at link: <https://drive.google.com/file/d/1jrNzUpOB9rpnQhnGHeYHzFpx5Df35SqT/view>

2.1.1 Flood Situation Map



2.2 CWC Advisories

2.2.1 Ganga Basin

2.2.1.a Upper Ganga Basin in Uttarakhand

Extremely heavy rainfall has been predicted in Alaknanda, Bagirathi, Ramganga, Sharda, etc river basins. This may be associated with incidences of flash floods and landslides in the districts of **Pithoragarh, Bageshwar, Nanital, Garhwal, Dehradun & Rudrapur** of Uttarakhand.

2.2.1.b Upper Yamuna in Himachal Pradesh

Extremely heavy rainfall has been predicted in upper reaches of Yamuna in Himachal Pradesh. This may be associated with incidences of flash floods and landslides in the district of **Sirmaur** in Himachal Pradesh. This may lead to rise in water level of Yamuna at Saharanpur, Muzaffarnagar districts in Uttar Pradesh.

2.2.1.c Chambal Basin – Rajasthan & Madhya Pradesh

There has been heavy rainfall in the upper catchment of Chambal as well as in its tributaries like Parbati, Kalisindh, etc. Alert may be kept in districts of **Jhalawar (Rajasthan), Neemuch, Malwa, Mandsaur (MP)**.

2.2.1.d Ganga – Bihar, Uttar Pradesh

Currently river Ghagra, Rapti, Gandak, Bagmati, Kamla, Burhi Gandak, Adhwar, Parman & Kosi are flowing in severe to above normal flood situation in districts **Barabanki, Gorakhpur, 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.

2.2.2 Indus- Chenab, Jhelum, Rabi & Beas – Jammu and Kashmir, Himachal Pradesh

Extremely heavy rainfall are predicted in Jhelum, Chenab & Rabi with peak intensity on today and tomorrow. Hence flows are expected to rise in the rivers. This may be associated with incidences of flash flood and landslides. Hence alert may be kept in districts such as **Mandi, Kangra**, etc. in Himachal Pradesh.

2.2.2 Mahanadi, Brahmani, Baitarni, Burhabalanga, Damodar, Subarnarekha – Odisha, Jharkhand

As per the special bulletin issued by IMD, Odisha, due to formation of Low Pressure Area over Bay of Bengal and neighbourhood, heavy rainfall may occur in the river basins of Odisha such as Mahanadi, Brahmani, Baitarni & Burhabalanga. Hence alert is issued in districts **Bargarh, Jharsuguda, Sundargarh, Deogarh, Keonjhar, Mayurbhanj, Balasore, Bhadrak, Jajpur, Kendrapada, Jagatsinghpur, Angul, Puri, Sambalpur, Khordha and Cuttack** in Odisha.

In **Jharkhand**, alert may be kept in the river basins of Damodhar, Subarnarekha in the districts **Bokaro, Ramgarh** (Damodhar river); **Purbi Singhbhum** (Subarnarekha river); **Giridih** (Mayuraskshi River); **Jamtara, Deogarh** (Barakar river) & **Dumka** (Ajoy river).

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 in Maharashtra have started falling after the recent flood wave. Sriramsagar (>90%), Karanja, Sri PadaYellampally (>80%), Yeldari, Kaddam 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: 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 Almatti, Narayanpur, P D Jurala, Bhadra, Malaprabha, Ghataprabha & Tungabhadra dam inflows are expected to follow steady to falling conditions. Releases from these dams may be done as per SOP.

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

3. Storage Position in Dams where Inflow forecast is being issued by CWC as on 27th 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 |
|---------------------|---|--------|-------|-------|-------|-------|--------|------|
|---------------------|---|--------|-------|-------|-------|-------|--------|------|

| # | 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 | Srisalam | Krishna/Lower Krishna/Krishna | Andhra Pradesh | JogulambaGadwal (Telangana), Kurnool(AP)/Nalgonda(Telangana), Guntoor (AP) | | | | | |
| 3 | Sri PadaYellampally | Godavari/Middle Godavari/Godavari | Telangana | Mancherial/ JaishankarBhupalpally | | | | | |
| 4 | Sriramsagar Project | Godavari/Middle Godavari /Godavari | Telangana | Nanded (Mah)/Nirmal (Telangana) | | | | | |
| 5 | Kaddam | Kaddam/Middle Godavari/Godavari | Telangana | Adilabad, Nirmal/ Mancherial | | | | | |
| 6 | Musi | Musi/Lower Krishna/ Krishna | Telangana | Nalgonda | | | | | |
| 7 | Panchet | Damodar/Damodar East/ Ganga | Jharkhand | Dhanbad,Jamtara (Jharkhand)/ Puruliya, PaschimBardhaman, Bankura (WB) | | | | | |
| 8 | Maithon | Barakar/Barakar East/Ganga | Jharkhand | Dhanbad,Jamtara (Jharkhand)/ Puruliya, PaschimBardhaman, Bankura (WB) | | | | | |
| 9 | Kabini | Kabini/Kabini/ Cauvery | Karnataka | Wayanad (Kerala)/ Mysuru (Karnataka) | | | | | |
| 10 | Harangi | Cauvery/Upper Cauvery/Cauvery | Karnataka | Kodagu/Mandya | | | | | |
| 11 | Karanja | Karanja/Manjera/Godavari | Karnataka | Bidar (Kar), Vikarabad(Telangana)/ Bidar(Kar) | | | | | |
| 12 | KRS | Cauvery/Middle Cauvery/Cauvery | Karnataka | Mandya, Mysore | | | | | |
| 13 | Tungabhadra | Tungabhadra/Middle Tungabhadra/Krishna | Karnataka | Gadag/Bellary, Koppal, Raichur | | | | | |
| 14 | Hemavathy | Hemavathy/ Hemavathy/Cauvery | Karnataka | Hassan, Kodagu/Mandya, Mysore | | | | | |
| 15 | Bhadra | Bhadra/Upper Tungabhadra/Krishna | Karnataka | Chikmagaluru/Shimoga | | | | | |
| 16 | Hidkal | Ghataprabha/Ghataprabha/Krishna | Karnataka | Kolhapur (Mah)/ Belgaum (Kar) | | | | | |
| 17 | Malaprabha | Malaprabha/Malaprabha/Krishna | Karnataka | Belgaum | | | | | |
| 18 | Warana | Warana/Upper Krishna/Krishna | Maharashtra | Kolhapur, Sangli | | | | | |
| 19 | Koyna | Koyna/ Upper Krishna/Krishna | Maharashtra | Satara/Kolhapur, Sangli | | | | | |
| 20 | Yeldari | Purna/Purna/Godavari | Maharashtra | Parbhani, Hingoli | | | | | |
| 21 | Veer | Nira/Upper Bhima/Krishna | Maharashtra | Pune, Satara | | | | | |
| 22 | RanaPratapSagar | Chambal/Upper Chambal/Ganga | Rajasthan | Neemuch(MP)/Dholpur,Kota, Bundi(Raj) | | | | | |
| 23 | SomKamlaAmba | Som/Mahi B/Mahi | Rajasthan | Udaipur/ Dungarpur | | | | | |
| 24 | Kalisindh | Kalisindh/Upper Chambal/Ganga | Rajasthan | Shajapur, Rajgarh(MP)/Jhalawar(Raj) | | | | | |
| 25 | Vaigai | Vaigai/Upper Vaigai/EF Rivers b/w Cauvery & Kanyakumari | Tamil Nadu | Theni/Madurai | | | | | |
| 26 | 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.