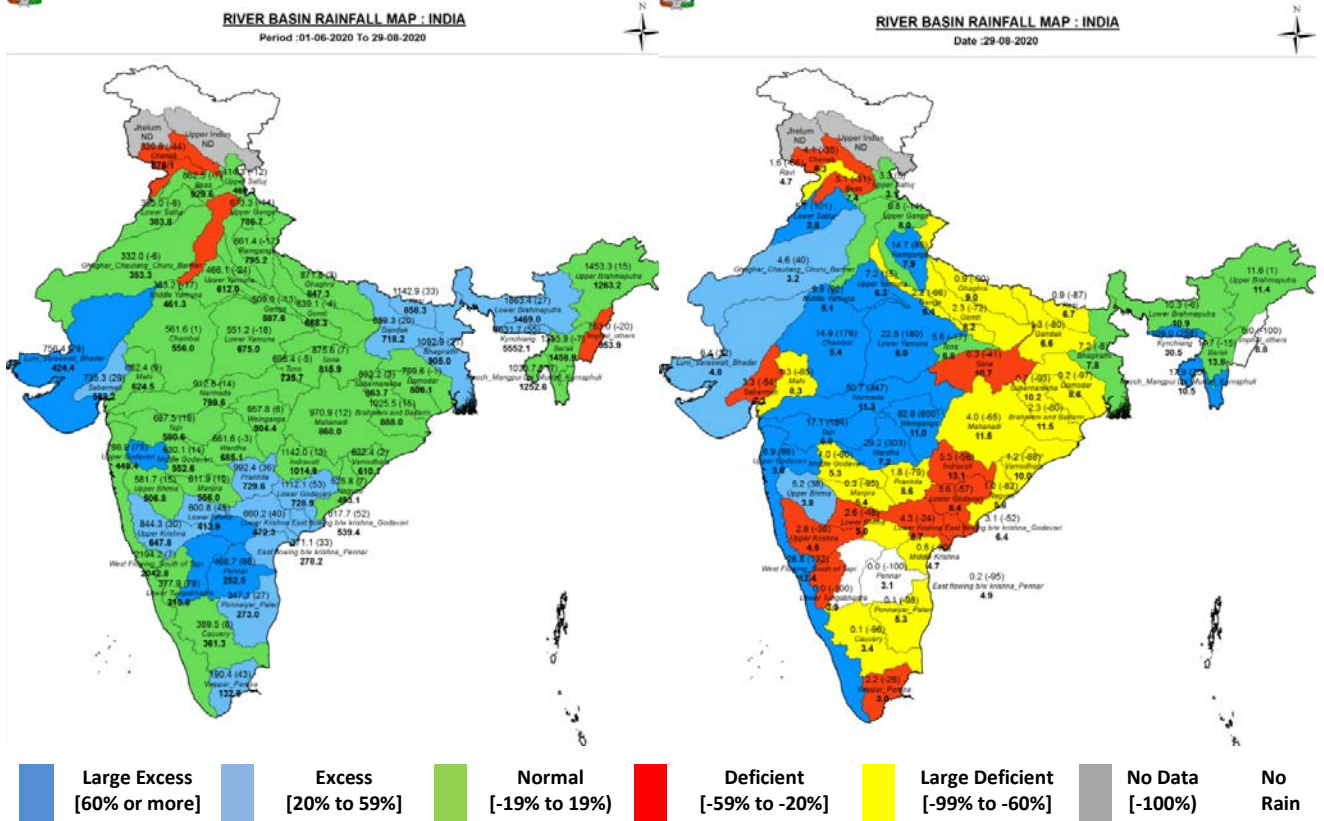




Central Water Commission
Daily Flood Situation Report cum Advisories
29-08-2020

1.0 IMD information

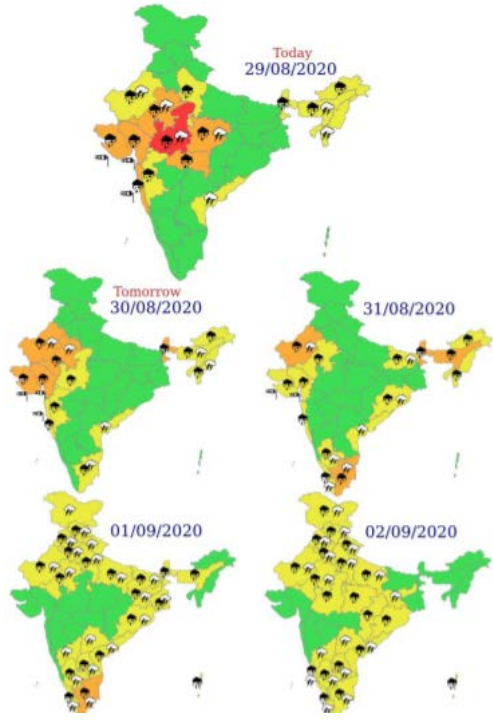
1.1 Basin wise departure from normal of cumulative and daily rainfall



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 29th August 2020 (Midday) by IMD

WARNING
WARNING (TAKE ACTION)
ALERT (BE PREPARED)
WATCH (BE UPDATED)
NO WARNING (NO ACTION)



2.0 CWC inferences

2.1 Flood Situation on 29th August 2020

2.1.1 Summary of Flood Situation as per CWC Flood Forecasting Network

On 29th August 2020, 26 Stations (12 in Bihar, 4 in Uttar Pradesh, 3 in Odisha, 2 each in Madhya Pradesh & Maharashtra and 1 each in Assam, Jharkhand & West Bengal) are flowing in Severe Flood Situation and 19 stations (9 in Bihar, 6 in Uttar Pradesh, 2 each in Assam and Odisha) are flowing in Above Normal Flood Situation. Inflow Forecast has been issued for 32 Barrages & Dams (8 in Madhya Pradesh, 4 each in Andhra Pradesh & Jharkhand, 3 in Uttar Pradesh, 2 each in Odisha, West Bengal, Maharashtra, Karnataka, Tamilnadu, 1 each in Telangana, Gujarat & Rajasthan).

| 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)) | 26 |
| C | Above Normal Flood Situation: (Site (s) where water level is touching or exceeding the Warning Level but below Danger Level) | 19 |
| Total number of sites above Warning Level (A+B+C) | | 45 |
| 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) | | 32 |

Details can be seen in link-http://cwc.gov.in/sites/default/files/dfb202029082020_10.pdf

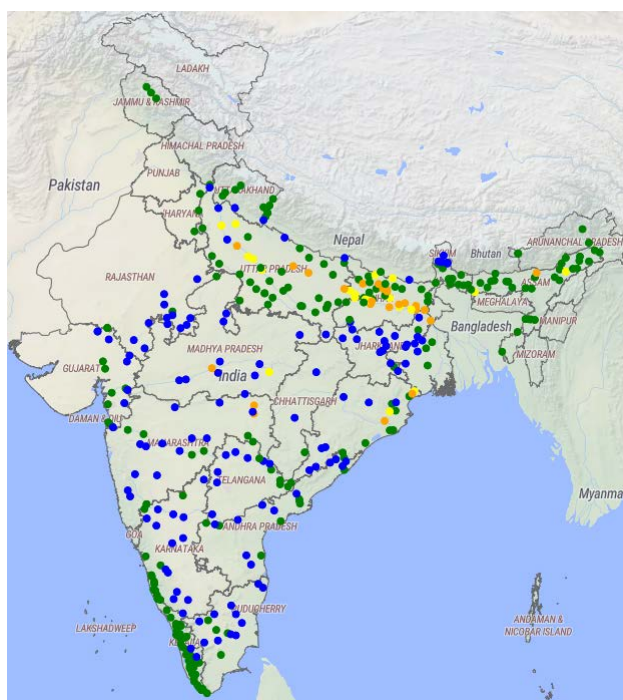
Rengali Dam on River Brahmani in Angul District in Odisha continues to flow above its FRL but with falling trend as the releases have been increased.

River Mahanadi at Kalma in Janjgir Champa District & Surajgarh in Raigarh District of Chhattisgarh are flowing in Extreme Flood Situation with rising trend. These are directly contributing to Hirakud Dam on river Mahanadi in Sambalpur District of Odisha.

River Wainganga at Keolari in Seoni District of Madhya Pradesh continues to flow in Extreme Flood Situation due to which very heavy inflows are coming into Sanjay Sarovar Dam on river Wainganga in Seoni District of Madhya Pradesh. Due to combined effect of Wainganga, Bagh, Kanhan, Bawanthri rivers River Wainganga is flowing in Severe Flood Situation In Bhandara and Pauni in Bhandara District of Maharashtra. River also flows in Severe Flood Situation in Gondia District.

River Narmada at Gadarwara in Jabalpur District of Madhya Pradesh is flowing in Extreme Flood Situation with falling trend. Due to extremely heavy rainfall in its catchment river Narmada is in flood in its upper and Middle reaches upto Sardar Sarovar Dam. River is flowing in Severe Flood Situation in Mandla and Hoshangabad Districts of Madhya Pradesh.

2.1.2 Flood Situation Map



2.2 CWC Advisories

- Widespread rainfall with heavy to very heavy falls likely over Madhya Pradesh, Vidarbha on 29th August and over Rajasthan, Gujarat state and Konkan & Goa on 29th & 30th August. Isolated extremely heavy falls are also likely over West Madhya Pradesh and adjoining southeast Rajasthan during next 24 hours.
- Fairly widespread rainfall with Isolated heavy falls and thunderstorm & lightning very likely over Northwest India and Western Himalayan Region during 01st - 02nd September, 2020.

Based on the above rainfall forecast the following advisories are issued by CWC for various States:

Due to reduction in rainfall Rivers **Mahanadi** & its **tributaries** in **Chhattisgarh** and **Odisha** are expected to slowly fall with reduction in flows into major reservoirs. However, close watch is to be maintained in Districts **Baleswar, Sambalpur, Bhadrak, Jajapur, Cuttack, Angul, Mayurbhanj, Kendujar** in Odisha, and **Korba, Dhamtari, Raipur, Mahasamund & Champa** in Chhattisgarh.

Rivers **Narmada, Tapi, Chambal, Sone, Betwa, Pench & Wainganga** in **Madhya Pradesh**, Rivers **Wainganga & Wardha** in **Maharashtra** and Rivers **Mahi & Chambal** and their **tributaries** in **East Rajasthan** are expected to rise rapidly due to forecasted continuous rainfall with isolated very heavy rainfall for next 2 days. **Gandhisagar Dam, Bansagar Dam, Bargi Dam, Barna Dam, Tawa Dam, Indira Sagar Dam, Omkareshwar Dam, Rajghat Dam & Upper Wainganga Dam** in **Madhya Pradesh**, **Totladoh Dam, Gosikhurd Dam & Upper Wardha Dam** in **Maharashtra** and **Som Kamala Amba Dam, Kalisindh Dam, Mahi Bajaj Sagar Dam, Panchana Dam & Rana Pratap Sagar Dam** in **Rajasthan** are expected to get heavy inflows. Close watch is to be maintained in Districts **Shahdole, Balaghat, Jabalpur, Mandla, Seoni, Chhindwara, Betul, Narasimhapur, Raisen, East & West Nimar, Dhar** in **Madhya Pradesh**, Districts **Nagpur, Bhandara, Gondia & Amaravati** in **Maharashtra** and Districts **Tonk, Banswara, Udaipur, Jhalawar, Baran, Chittorgarh, Karrauli, Bundi, Dholpur & Kota** in **Rajasthan**.

Rivers **Narmada, Mahi, Sabarmati** in **Gujarat** and **West Flowing Rivers** in **Gujarat, Konkan & Goa** are expected to rise due to forecasted heavy to very heavy rainfall in the next 3 days. **Kadana Dam, Ukai Dam, Panam Dam, Madhuban Dam, Sardar Sarovar Dam & Dharoi Dam** in **Gujarat** are expected to get increased inflows. Close watch is to be maintained in Districts of **Narmada, Bharuch, Mahisagar, Mehsana, Tapi, Valsad, Panchmahal, Ahmedabad, Banaskantha & Mehsana** in **Gujarat**.

Impact Based Actions

Strict vigil is to be maintained in all the above States & Districts for next 3-4 days. It is advised that close watch has to be maintained for increased inflows in dams. Releases from any of these reservoirs may be done as per rule curve and standard operating procedure with advance intimation to downstream areas.

Maximum vigil has to be maintained along the rail and road tracks and bridges on these rivers and regulate traffic suitably to avoid any incident. Submergence of low-level cause ways along rivers and railway tracks along flashy rivers is to be monitored closely. All district administrations can take effective measures taking into account the prevailing Covid-19 situation in relief camps being set up in these districts.

2.3 Flood Alerted Districts

Odisha: Districts along rivers Subarnarekha, Brahmani & Baitarni, Mahanadi, Indravathi, Sabari
Chhattisgarh: Districts along rivers Mahanadi & its tributaries
Madhya Pradesh: Districts along rivers Narmada, Sone, Tapi, Pench & Wainganga
Maharashtra: Districts along rivers Wainganga and Wardha and their tributaries
Rajasthan: Districts along rivers Chambal, Mahi and their tributaries

3.0 Storage Position in Dams where Inflow forecast is being issued by CWC as on 29th August 2020

| # | River | Station | State | Present Gross Storage (%) | Rainfall Warning |
|----|-------------|-----------------------------|----------------|---------------------------|------------------|
| 1 | Brahmani | Rengali Dam | Odisha | 101 | No |
| 2 | Nira | Veer Dam | Maharashtra | 100 | Yes |
| 3 | Purna | Yeldari Dam | Maharashtra | 100 | No |
| 4 | Tungabhadra | Tungabhadra Dam | Karnataka | 100 | No |
| 5 | Ghataprabha | Hidkal Dam | Karnataka | 100 | No |
| 6 | Krishna | Almatti Dam | Karnataka | 100 | No |
| 7 | Pench | Totladoh Project | Maharashtra | 100 | Yes |
| 8 | Narmada | Tawa Dam | Madhya Pradesh | 100 | Yes |
| 9 | Krishna | Dr K L R S Pulichintala Dam | Andhra Pradesh | 99 | No |
| 10 | Hemavathy | Hemavathi Dam | Karnataka | 98.13 | No |
| 11 | Krishna | Narayanpur Dam | Karnataka | 98 | No |
| 12 | Kabini | Kabini Dam | Karnataka | 97.75 | No |

| | | | | | |
|----|------------|------------------------------|----------------|-------|-----|
| 13 | Wardha | Upper Wardha Project | Maharashtra | 97.74 | Yes |
| 14 | Cauvery | Krishnarajasagar | Karnataka | 97.34 | No |
| 15 | Mahi | Kadana Dam | Gujarat | 97.29 | Yes |
| 16 | Krishna | Srisaillam Dam | Andhra Pradesh | 97 | No |
| 17 | Narmada | Bargi Dam | Madhya Pradesh | 97 | Yes |
| 18 | Musi | Musi Project | Telangana | 97 | No |
| 19 | Som Kamla | Som Kamla Amba Dam | Rajasthan | 96.65 | Yes |
| 20 | Krishna | Priyadarshini Jurala Project | Telangana | 96 | No |
| 21 | Betwa | Rajghat Dam | Madhya Pradesh | 96 | Yes |
| 22 | Wainganga | Upper Wainganga Project | Madhya Pradesh | 96 | Yes |
| 23 | Godavari | Sripada Yellampally Dam | Telangana | 95.78 | No |
| 24 | Narmada | Barna Dam | Madhya Pradesh | 95 | Yes |
| 25 | Bhadra | Bhadra Dam | Karnataka | 95 | No |
| 26 | Warana | Warana Dam | Maharashtra | 94.9 | Yes |
| 27 | Harangi | Harangi Dam | Karnataka | 94.53 | No |
| 28 | Mahi | Mahi Bajajsagar Dam | Rajasthan | 94.33 | Yes |
| 29 | Koyna | Koyna Dam | Maharashtra | 93.86 | Yes |
| 30 | Kalisindh | Kalisindh Dam | Rajasthan | 93.12 | Yes |
| 31 | Bhima | Ujjani Dam | Maharashtra | 92.35 | Yes |
| 32 | Malaprabha | Malaprabha Dam | Karnataka | 92 | No |
| 33 | Narmada | Indira Sagar Dam | Madhya Pradesh | 92 | Yes |
| 34 | Sone | Bansagar Dam | Madhya Pradesh | 92 | Yes |
| 35 | Mula | Mula Dam | Maharashtra | 91.49 | No |
| 36 | Penganga | Issapur Project | Maharashtra | 91.34 | No |
| 37 | Hasdeo | Bango Dam | Chattisgarh | 87.12 | No |
| 38 | Godavari | Jaikwadi Dam | Maharashtra | 86.69 | No |
| 39 | Sindhpana | Manjlegaon | Maharashtra | 86.18 | No |
| 40 | Kaddamvagu | Kaddam Dam | Telangana | 85.26 | No |
| 41 | Godavari | Sriramasagar | Telangana | 85.08 | No |
| 42 | Gambhiri | Panchana Dam | Rajasthan | 84.1 | Yes |
| 43 | Chambal | Gandhisagar Dam | Madhya Pradesh | 79 | Yes |
| 44 | Mahanadi | Hirakud Dam | Odisha | 78.8 | No |
| 45 | Mahanadi | Ravishankar Dam | Chhattisgarh | 77.93 | No |
| 46 | Tapi | Ukai Dam | Gujarat | 77.36 | Yes |
| 47 | Narmada | Sardar Sarovar Dam | Gujarat | 76.21 | Yes |
| 48 | Chambal | Rana Pratap Sagar | Rajasthan | 75.84 | Yes |
| 49 | Sabarmati | Dharoi Dam | Gujarat | 71.94 | Yes |
| 50 | Salandi | Salandi Dam | Odisha | 70.5 | No |
| 51 | Machhkund | Machhkund Project | Odisha | 70.34 | No |

Reservoirs shown in red are having gross storage greater than 90%, reservoirs shown in orange are having gross storage greater than 75% and the reservoirs shown in yellow are having gross storage greater than 70%. Close watch has to be maintained at these reservoirs wherever heavy rainfall (Yellow) and Very Heavy Rainfall (Orange) and Extremely Heavy Rainfall (Red) warning in next 24 hours are given (last column of Table above).