



Central Water Commission
Daily Flood Situation Report cum Advisories
06-07-2020

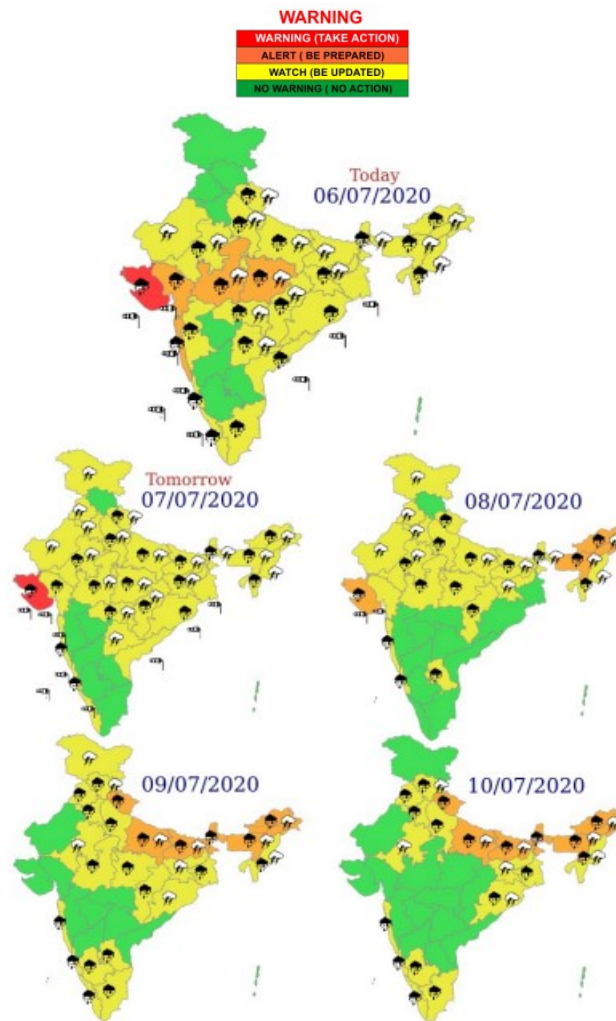
1.0 IMD information

1.1 Basin wise departure from normal rainfall on 06th July 2020



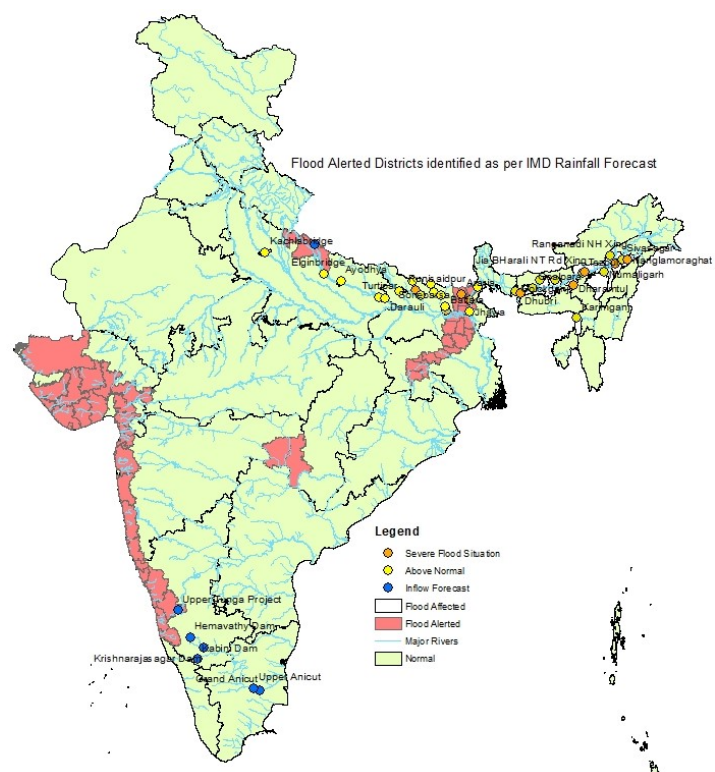
Notes: a) Small figures indicate actual rainfall (mm), while bold figures indicate Normal rainfall (mm)
b) Percentage departures of rainfall are shown in brackets.

1.2



2.0 CWC inferences

2.1 Flood Situation on 6th July 2020



2.1.1 Summary of Flood Situation as per CWC Flood Forecasting Network

On 6th July 2020, 9 stations (5 in Assam and 4 in Bihar) are flowing in Severe Flood Situation and 23 stations (9 in Assam, 10 in Bihar and 4 in Uttar Pradesh) are flowing in Above Normal Flood Situation. Inflow Forecast was issued for 7 Barrages and Dams (4 in Karnataka, 2 in Tamilnadu and 1 in Uttar Pradesh).

| 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)) | 9 |
| C | Above Normal Flood Situation: (Site (s) where water level is touching or exceeding the Warning Level but below Danger Level) | 23 |
| Total number of sites above Warning Level (A+B+C) | | 32 |
| 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) | | 7 |

Details can be seen in link http://cwc.gov.in/sites/default/files/cfcr-cwcdfb06072020_5.pdf

2.2 CWC Advisories

- Due to Low Pressure Area over Saurashtra & neighbourhood, widespread rainfall activity likely over Gujarat State during next 2 days and decrease thereafter. Isolated heavy to very falls with extremely heavy falls very likely over Saurashtra & Kutch during next 48 hours and isolated heavy to very heavy falls during the subsequent 24 hours. Isolated heavy falls also likely over Gujarat region during next 2 days.
- Under the influence of the low pressure area over Southeast Jharkhand & neighbourhood, fairly widespread to widespread rainfall with isolated heavy falls likely over Odisha, Jharkhand and Bihar during next 2 days.
- Widespread rainfall with isolated heavy to very heavy falls very likely over northeastern states, Sub-Himalayan West Bengal & Sikkim, Bihar and East Uttar Pradesh on 09th & 10th July, 2020. Isolated extremely heavy falls are also very likely over Arunachal Pradesh, Assam & Meghalaya and Sub-Himalayan West Bengal & Sikkim on 09th & 10th July, 2020.
- Intense thunderstorm & lightning potential zone: Moderate to intense thunderstorm & lightning very likely over Madhya Pradesh, South Uttar Pradesh, Bihar, Chhattisgarh, Jharkhand and north Coastal Andhra Pradesh during next 12 hours.

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

2.2.1 Gujarat

Due to ongoing extremely heavy rainfall in Districts of Saurashtra and Kutch, there is Extreme Flooding in most of the towns. Some of the small reservoirs in Kutch, Amreli, Gir Somnath, Junagadh, Porbandar, Rajkot, Surnedranagar, Devbhoomi Dwarka Districts got almost near Full Reservoir Level (FRL). With the likely rainfall for another two days over Saurashtra and Kutch, the situation has to be monitored very closely and the reservoir operations have to be done carefully to avoid any undue flooding in downstream areas after informing downstream towns/ villages.

2.2.2 Maharashtra & Goa

The Coastal Rivers in West Flowing Rivers between Tapi and Tadri are likely to rise due to the forecasted heavy to very heavy rainfall in Konkan & Goa and South Gujarat coast. Since heavy to very heavy rain is expected along the West Coast for 1 more day and then heavy rainfall in South Konkan and Goa for the subsequent 3 days, there may be chances of sudden rise of water levels in small river stream originating from western Ghat and draining into Arabian Sea. However, most of the dams are only having less than 50% of their full capacity; this rain may help in increasing the storage capacity of these reservoirs and no spillage is expected.

2.2.3 Karnataka

Due to heavy rain in Coastal Districts and in Western Ghat areas, many of the rivers have started rising. Upper Tunga Project (Gajanur Dam) in Shivamogga District continues to be at Full reservoir Level and they are releasing all the inflows

into the river through the spillway. This is increasing the flow in Tunga River downstream of the Dam; however Shimoga Flood Monitoring Stations is flowing below Warning Level. Since heavy rainfall is likely to continue along Ghats of Shivamogga, Chikmagalur, Hassan & Kodagu Districts for next 3-4 days, close watch is to be maintained.

2.2.4 North Eastern States & Sub-Himalayan West Bengal

There has been a significant reduction in rainfall in North Eastern States, Sub-Himalayan West Bengal and Sikkim. All river levels are falling. However as the monsoon trough is again likely to shift to foothills of Himalaya by 9th July, it may lead to likely Heavy to Very Heavy rainfall in Arunachal Pradesh, Assam, Meghalaya and Sub-Himalayan West Bengal. Due to this, the river levels are likely to rise in all rivers in Arunachal Pradesh, Assam and Sub Himalayan West Bengal from 10th onwards.

2.2.5 Bihar

River Levels in most of the rivers have started falling. However as the monsoon trough is again likely to shift to foothills of Himalaya by 9th July, it may lead to likely Heavy to Very Heavy rainfall in Bihar and adjoining areas of Nepal. Due to this, the river levels are likely to rise in rivers in North Bihar from 10th onwards.

Maximum Vigil is to be maintained along these river banks. Concerned Authorities in these States have to maintain strict vigil along railway track and Highways in both State and National Highways and regulate traffic along bridges to avoid any incidents due to submergence or washing out of bridges.

3. Flood Affected Districts

Assam: Dibrugarh, Tinsukia, Dhemaji, Jorhat, Sibsagar, Golaghat, Sonitpur, Kamrup, Nalbari, Barpeta, Bongaigaon, Baksa, Chirang, Kokrajhar, Dhubri
Bihar: Purnia, Araria, Sitamarhi, Khagaria
Gujarat: Devbhumi Dwarka, Porbandar, Jamnagar, Amreli, Rajkot, Junagarh

4. Flood Alerted Districts

Maharashtra: Districts along river reaches of West Flowing Rivers in Raigad, Palghar, Ratnagiri, Thane, Sindhudurg
Karnataka: Districts along West Flowing Rivers in Uttara Kannada, Dakshina Kannada, Udupi and Shivamogga.
Gujarat: Districts along small rivers in Saurashtra & Kutch as well as in Damanganga in Valsad District