

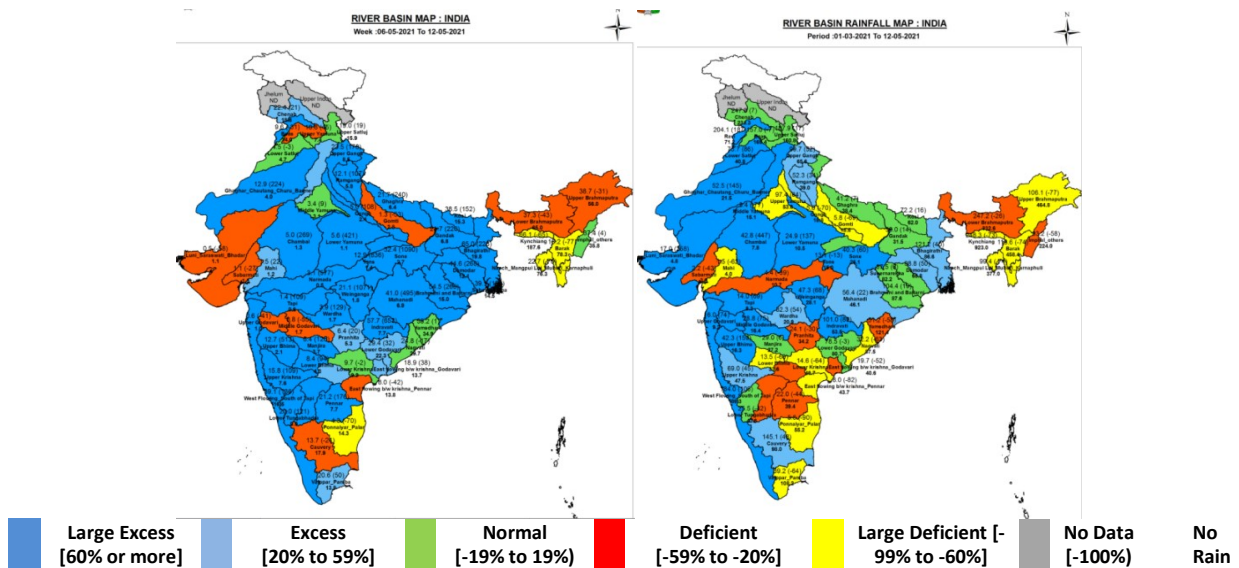


Central Water Commission
Special Flood Advisory for Kerala, Karnataka & Tamilnadu
13-05-2021 at 1700 hrs

1. Meteorological Situation

A low pressure area has formed over southeast Arabian Sea & adjoining Lakshadweep area today, the 13th May morning (0830 hrs IST). It is very likely to become well marked over Lakshadweep area by 14th morning, concentrate into a Depression over the same region by 15th morning and intensify into a Cyclonic Storm during the subsequent 24 hours. It is very likely to intensify further and move north-northwestwards towards Gujarat and adjoining Pakistan coasts. It is likely to reach near Gujarat coast around 18th May evening.

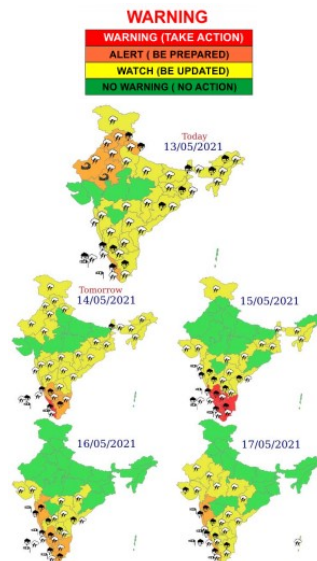
1.1 River Basinwise Rainfall Situation



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

River Basinwise Rainfall indicates that rainfall was Large Excess in West Flowing Rivers Basin from Kerala to Gujarat during the period 1st March to 12th March 2021 as well as during the last week indicating good soil moisture conditions in the Coastal and Western Ghats portions of the Country.

1.1 Rainfall forecast for next 5 days issued on 13-05-2021 (Midday) by IMD



Flood Monitoring Offices				Flood Level (CWC)		Quantitative Precipitation Forecast (QPF)														
SNo	FMO	Basin	Sub-Basin	Severe Flood	Extreme Flood	Day-1			Day-2			Day-3			Day-4			Day-5		
						26-50mm	51-100mm	>100mm	26-50mm	51-100mm	>100mm	26-50mm	51-100mm	>100mm	26-50mm	51-100mm	>100mm	26-50mm	51-100mm	>100mm
1	FMO Bengaluru	Cauvery	Upper Cauvery																	
2	FMO Bengaluru	Cauvery	Middle Cauvery																	
3	FMO Bengaluru	Cauvery	Lower Cauvery																	
4	FMO Bengaluru	Cauvery	Hemavathi																	
5	FMO Bengaluru	Cauvery	Kabini																	
6	FMO Bengaluru	Cauvery	Harangi																	
7	FMO Bengaluru	East Flowing Rivers	Upper Vaigai																	
8	FMO Bengaluru	East Flowing Rivers	Lower Vaigai																	
9	FMO Bengaluru	Krishna	Upper Bhima																	
10	FMO Bengaluru	Krishna	Upper Krishna																	
11	FMO Bengaluru	Krishna	Lower Bhima																	
12	FMO Bengaluru	Krishna	Middle Krishna																	
13	FMO Bengaluru	Krishna	Ghataprabha																	
14	FMO Bengaluru	Krishna	Bennehalla																	
15	FMO Bengaluru	Krishna	Hagari or Vedavati																	
16	FMO Bengaluru	Krishna	Upper Tungabhadra																	
17	FMO Bengaluru	Krishna	Middle Tungabhadra																	
18	FMO Thiruvananthapuram	West Flowing Rivers	Periyar																	
19	FMO Thiruvananthapuram	West Flowing Rivers	Bharathapuzha																	
20	FMO Thiruvananthapuram	West Flowing Rivers	Lower Periyar																	
21	FMO Thiruvananthapuram	West Flowing Rivers	Upper Periyar																	
22	FMO Thiruvananthapuram	West Flowing Rivers	Chalakudi																	
23	FMO Thiruvananthapuram	West Flowing Rivers	Meenachil																	
24	FMO Thiruvananthapuram	West Flowing Rivers	Pamba																	
25	FMO Thiruvananthapuram	West Flowing Rivers	Achankoil																	

2 CWC Advisories

2.1 Kerala

In view of the heavy to very heavy rainfall with isolated extremely heavy rainfall forecas, there is likelihood of sudden rise in water levels in many of the Flood Monitoring Stations in West Flowing Rivers between Tadri and Kanyakumari in the sub-basins of Neyyar, Karamanur, Vamanapuram, Achankoil, Pamba, Meenachil, Periyar, Chalakudi, Bharathapuzha, Kuttyadi, Permannu, Erinjipuzha and Kabini in the Districts of Thiruvananthapuram, Kollam, Alapuzzah, Pathanamthitta, Kottayam, Idukki, Ernakulam, Thrissur, Palakkad, Malapuram, Kozhikode, Kannur, Kasargode and Wynadu Districts. However, presently the water levels in these rivers are much below warning level.

Close monitoring is to be maintained in medium and minor irrigation projects as such extremely heavy rainfall in their catchment continuously for two to three days may sufficiently fill the projects very near to their rule levels which may presently be in the falling limb only. Maximum vigil is to be maintained in such projects and if required releases have to be done after informing all downstream areas well in advance for taking flood mitigation works.

2.2 Tamilnadu

In view of the expected heavy to very heavy rainfall with isolated extremely heavy rainfall in the districts of Kanyakumari, Theni, Dindigul, Nilgiris and Coimbatore, there is likelihood of sudden rise in Water Levels in the sub-basins of Paralayar, Thamrabarani (West Flowing), Kodyar, Pazhayar, Vaigai, Amaravathi, Bhavani, Moyar and their tributaries in the above districts. The water levels in most of the dams in these districts have been higher than that of last year during the corresponding period due to vigorous North East Monsoon during January 2021, strict vigil is to be maintained in the small dams which may fill up quickly.

2.3 Karnataka

In view of the expected heavy to very heavy rainfall with isolated extremely heavy rainfall in the Coastal Karnataka and Malnad areas during the next 3-4 days, there is likelihood of sudden increase in water levels in the Upper Cauvery Basin and Upper Tungabhadra Basin in the districts of Kodagu, Hassan, Chickmagaluru and Shivamogga and in West Flowing River Basins of Netravathi, Haladi, Aghanashini, Swarna, Sambhavi and Sita in the districts of Dakshina Kannada, Udupi and Uttara Kannada, Upper Krishna, Bennhalla in the districts of Belagavi. In view of the predicted rainfall, there is likelihood of rapid rise in inflows into dams which may increase the storage in the major reservoirs. In the case of medium and minor projects, there is likelihood of sudden increase in storage which may take them much above the rule levels in which case proper reservoir regulations have to be done taking into account the downstream condition and after informing all the downstream areas including lower riparian States well in advance.

General Advisory

Since rainfall is expected to continue in upstream areas of all the medium and small dams, the need for proper reservoir operation taking into account the upstream rainfall as well as the downstream flood situation is required by all project authorities. All project authorities have to inform in advance about the releases made to downstream Districts in the same State as well as to lower riparian States. **Further, in view of the Pandemic Situation, the relief camps for flood affected people can be established by following Covid Appropriate Protocols.**