

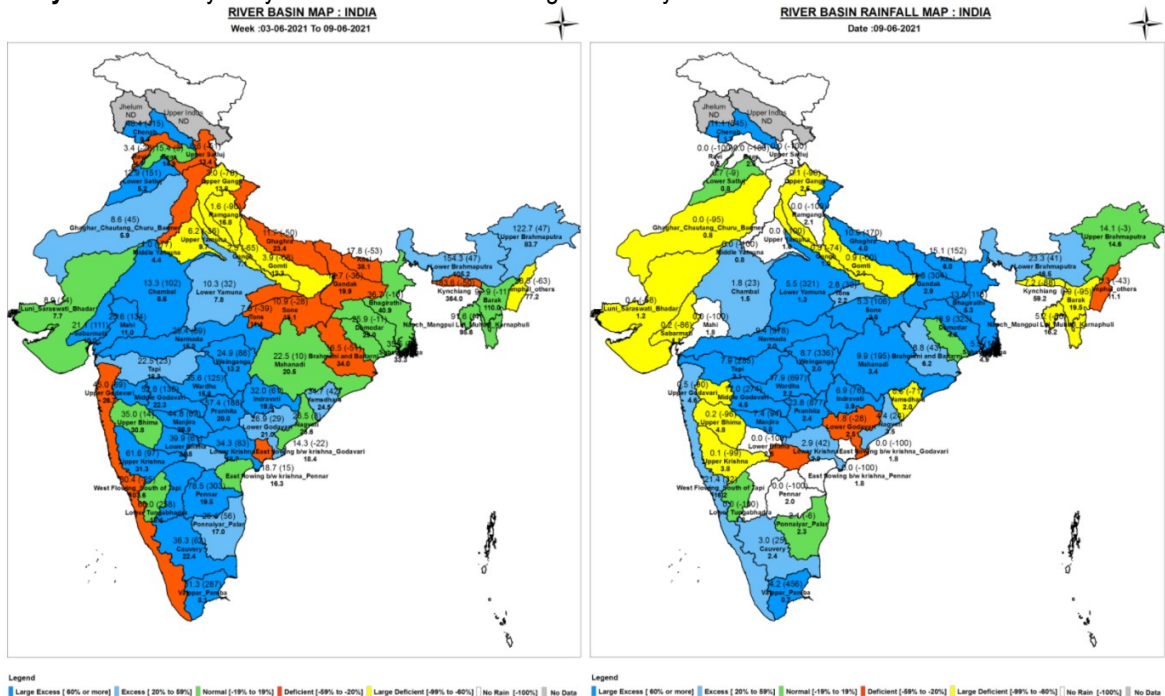


Central Water Commission
Special Flood Advisory for Odisha, Jharkhand and West Coast
09-06-2021 at 1700 hrs

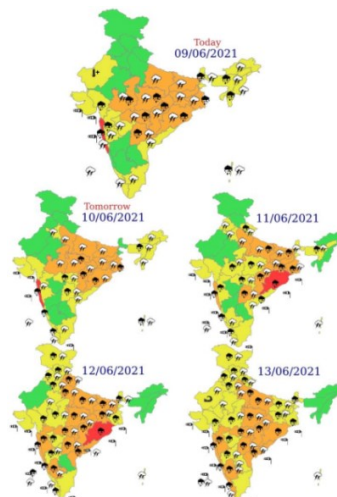
1. Meteorological Situation

1.1 River Basinwise Rainfall Situation

- A cyclonic circulation lies over Eastcentral and adjoining Northeast Bay of Bengal between 4.5 & 5.8 km above mean sea level. Under its influence, a Low Pressure Area is likely to form over North Bay of Bengal & neighbourhood around 11th June, 2021. It is likely to be more marked during subsequent 24 hours. Under its influence; fairly widespread to widespread rainfall activity with isolated to scattered heavy to very heavy falls is very likely over most parts of East India and adjoining Central India from 10th June onwards. **Isolated extremely heavy falls** also very likely over Odisha on 11th & 12th; over Chhattisgarh 11th-13th; over Vidarbha 12th & 13th, June 2021.
- Due to the strengthening of westerly winds along the west coast; enhanced rainfall activity with heavy falls is likely to continue along the West coast including Maharashtra and Telangana during next 5 days. **Isolated extremely heavy falls** also very likely over Konkan & Goa during next 5 days.



1.2 Rainfall forecast for next 5 days issued on 09.06.2021 (Midday) by IMD



Flood Monitoring Offices			Quantitative Precipitation Forecast (QPF)														
			DAY1			DAY2			DAY3			DAY4			DAY5		
			(09/06/21)*			(10/06/21)*			(11/06/21)*			(12/06/21)*			(13/06/21)*		
			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
S. No.	Basin	Sub-Basin															
1	Kangsabati	Kangsabati										✓					
2	Subarnarekha	Subarnarekha							✓			✓					
3	Burhabalang	Burhabalang				✓				✓		✓					
4	Baitarani	Baitarani	✓			✓			✓			✓					
5	Brahmani	Upper Brahmani							✓			✓					
6	Brahmani	Lower Brahmani	✓			✓				✓			✓			✓	
7	Mahanadi	Upper Mahanadi							✓				✓				✓
8	Mahanadi	Lower Mahanadi				✓				✓			✓			✓	
9	Rushikulya	Rushikulya							✓								
10	Vamsadhara	Vamsadhara										✓					
11	Narmada	Upper Narmada														✓	
12	West Flowing Rivers	Periyar							✓			✓				✓	
13	West Flowing Rivers	Bharathapuzha										✓				✓	
14	West Flowing Rivers	Lower Periyar							✓			✓				✓	
15	West Flowing Rivers	Upper Periyar							✓			✓				✓	
16	West Flowing Rivers	Chalakudi										✓				✓	
17	West Flowing Rivers	Meenachil							✓			✓				✓	
18	West Flowing Rivers	Pamba							✓			✓				✓	
19	West Flowing Rivers	Achankoil							✓			✓				✓	
20	Godavari	Wainganga & Pranhita	✓									✓				✓	
21	Godavari	Wardha														✓	

2. CWC Advisories

2.1 Burhabalang, Baitarni, Brahmani, Mahanadi Basin in Odisha, Jharkhand and Chhattisgarh

Rivers **Subarnarekha, Brahmani, Baitarni, Mahanadi** are expected to rise rapidly due to forecasted rainfall in **Odisha** on 11th and 12th June. Increase in inflows into **Chandil Dam, Getlasud Reservoir** in **Jharkhand** is expected. Levels in these dams increased significantly due to rains in association with Very Severe Cyclonic Storm 'Yaas' during the last week of May and have higher storage presently. Close watch is to be maintained in these dams. Close watch is to be maintained in districts **Ranchi, Saraikela Karaswan, Paschimi & Purbi Singhbhum** in **Jharkhand**, **Mayurbanj & Balasore** in **Odisha**. Due to extremely heavy rainfall forecasted in Brahmani & Baitarni basin, rivers Baitarni and Brahmani are expected to rise in their source regions and as the rainfall is forecasted to continue for 2 days, there is likelihood of rise in water level in river Baitarni in **Kendujhar** and **Bhadrak** Districts of Odisha. However, the dams in Brahmani basin, Rengali Dam in Angul District and Salandi Dam in Kendujar District is having a storage of 17 to 40%, hence the rainfall may aid in increasing the storages in these reservoirs and there is no threat of downstream flooding to releases.

2.2 Godavari and Krishna basins in Chhattisgarh, Vidarbha, Telangana and Andhra Pradesh

River Indravathi is likely to rise in **Nowrangpur** District in **Odisha**, **Bastar, Dantewada, Narayanpur and Bijapur Districts** in **Chhattisgarh**. River Sabari is likely to rise rapidly in **Koraput, Malkangiri** Districts of **Odisha** and in **Sukma** District in **Chhattisgarh** and **East Godavari District** of **Andhra Pradesh**. Inflows into Balimela, Upper Kolab, Machhkund and Upper Indravathi Projects are also likely to rise but the storages in these reservoirs are in the range of 8 to 22% only and the inflows will only help in increasing the storage in these reservoirs. Rivers Wainganga and Wardha in the Districts of **Chandrapur** and **Gadchiroli** in **Maharashtra** in Vidarbha Sub-Division are expected to rise due to forecasted very heavy rainfall during 11th to 13th June 2021. However, since this is the first rainfall in this season no major flooding is expected in this sub-basin.

Heavy to Very Heavy at few places with extremely heavy rainfall at isolated places are likely in **Pune, Satara**, and **Kolhapur** Districts of **Maharashtra** in Krishna Basin. As the rainfall of higher intensity is likely to continue for at least 1-2 days there is likelihood of rise in levels of Krishna and its tributaries such as Bhima, Nira, Koyna, Panchganga. Since most of the dams in the region have storage of the order of 6 to 61% of their Full capacity, hence all the dams should exercise caution which may have increased inflows.

2.3 Maharashtra & Goa

Heavy to Very Heavy at few places with isolated extremely heavy rainfall are likely in **Palghar, Thane, Raigad, Ratnagiri** and **Sindhudurg** districts of Maharashtra and in the Districts of **South & North Goa** on 11th and 12th June. Due to this, there is likelihood of rise in levels of rivers along the West Coast in Maharashtra & Goa in the West Flowing Rivers between Tapi and Tadri. This may increase the flow in rivers such as Savithri, Kajvi, Ulhas, Kal & Bhav which flow close to the western ghats on the windward side. Care should be taken on Railway and Road Bridges in these Districts and traffic has to be regulated in case of excess flow is affecting some of the old bridges in Konkan Railway as well as in the National Highways. **There may be case of Urban Flooding like situation in major cities such as Mumbai, Pune etc in association with extremely heavy rains forecasted on 11th and 12th June in these cities.**

General Advisory

Since rainfall is expected to continue in upstream areas of all the medium dams, the need for proper reservoir operation taking into account the upstream rainfall as well as the downstream flood situation in association with forecasted rainfall by taking a balanced approach to avoid upstream submergence as well as downstream flooding is required to be done 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