

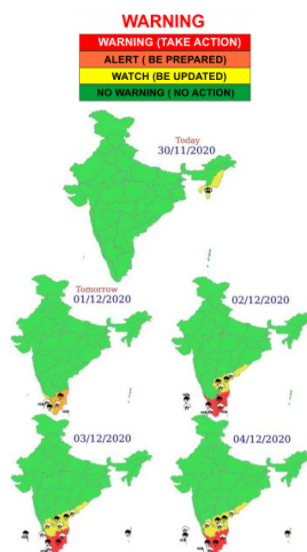


Central Water Commission
Special Advisories in association with Depression
30-11-2020 at 1700 hrs

1. Meteorological Situation

Well-marked low-pressure area over southeast Bay of Bengal & neighbourhood concentrated into a Depression and lay centred at 0530 hrs IST of 30th November 2020 over southeast Bay of Bengal near Lat. 7.5°N and Long. 88.0°E, about 750 km east-southeast of Trincomalee (Sri Lanka) and 1150 km east-southeast of Kanyakumari (India). It is very likely to intensify further into a Deep Depression during next 24 hours. It is also likely to intensify further into a cyclonic storm. It is very likely to move west-north-westwards and cross Sri Lanka coast between latitude 7.50°N and 9.00°N around evening of 2nd December. It is very like to move nearly westwards thereafter and emerge into Comorin area on 3rd December morning.

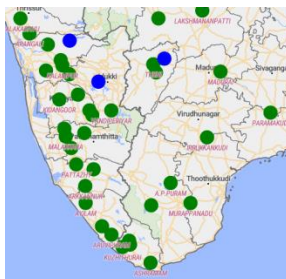
1.1 Rainfall forecast for next 5 days issued on 30th November, 2020 (Midday) by IMD



Date	Extremely heavy	Very heavy
02/12/2020	Tenkasi, Tirunelveli, Thoothukudi, Kanyakumari and Ramanathapuram districts of Tamil Nadu	Pudukkottai, Sivagangai, Virudhunagar, Thanjavur, Tiruvarur and Nagapattinam districts of Tamil Nadu and Karaikal, Thiruvananthapuram, Kollam, Idukki and Pathanamthitta District of Kerala.
03/12/2020	Tenkasi, Tirunelveli, Thoothukudi and Kanyakumari Districts of Tamilnadu, Idukki District of Kerala	Sivagangai, Virudhunagar and Ramanathapuram districts of Tamil Nadu, Idukki, Thiruvananthapuram, Kollam and Pathanamthitta District of Kerala

2 CWC Advisories

Hydrological Observation Stations which are coming in the path of the Depression/ Cyclone in the above-mentioned Districts are shown in the figure below:



In view of the extreme rainfall forecast given on 2nd and 3rd December, 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 Kerala and Kanyakumari District of Tamilnadu and in East Flowing rivers between Cauvery and Kanyakumari in the rivers **Vaigai, Vaippar, Tamiraparani and its tributaries** in Tamilnadu.

Special Advisory for Tamilnadu

Manimutharu & Papanasam Dams and Tamiraparani River

Manimutharu Dam in Tirunelveli is 62% filled while Papanasam Dam is 86% filled. Due to forecast of extremely heavy rainfall for two days in its catchment areas, there is likelihood of heavy inflows coming into these two dams. Maximum vigil is to be maintained and proper reservoir regulation has to be done. Reservoir releases has to be done as per Standard Operating Procedures (SOP) after informing the downstream areas in advance.

River Tamiraparani (East Flowing) and Vaippar

Since most of the tributaries of Tamiraparani and the main river are having their origin in the region where extremely heavy rainfall has been forecasted, maximum vigil is to be maintained along the banks of river Tamiraparani in **Tirunelveli** and **Thoothukudi** Districts of Tamilnadu. Due to very heavy rainfall warning in **Virudhunagar** District for two days, there is chance of rise in water level in river Vaippar in Virudhunagar District as well as in Thoothukudi District.

Pechiparai and Perunchani Dams and West Flowing Rivers in Kanyakumari

Due to extremely heavy rainfall over Kanyakumari as well as along western ghat area in its catchment, Pechiparai and Perunchani Dams are likely to get heavy inflows. As the dams are nearly 85% and 77% filled respectively, there may be chances of significant outflows from these two dams which will increase the flow in the downstream areas of the rivers in Kanyakumari. Since most of the rivers in Kanyakumari are prone to flash flooding, maximum vigil is to be maintained on rivers Tamiraparani (West Flowing), Pazhayar, Parlayar and Kodiayar (Kothaiyar).

Special Advisory for Kerala

Neyyar reservoir in Thiruvananthapuram is 94% filled and with extremely heavy rainfall for two days on 2nd and 3rd December may increase the inflows into this reservoir. There are chances of significant outflows from this dam which may inundate low-lying areas in the downstream. Maximum vigil is to be maintained in the rivers **Neyyar**, **Karuvannar** and **Vamanapuram** in **Thiruvananthapuram** District.

Kallada Dam in Kollam District is 86% filled. Forecast of extremely heavy rainfall for two days in Kollam District may lead to significant inflows into Kallada Reservoir. There are chances of significant outflows from Kallada Reservoir and this is likely to inundate low lying areas in **Kollam** District.

Kakki Dam in Pathanamthitta District is 84% filled. It is likelihood of extremely heavy rainfall for two days on 2nd and 3rd December in Pathanamthitta District. Due to this irrigation and power projects in Pathanamthitta District may get heavy inflows and significant outflows can be expected in case of such extremely heavy rainfall. Maximum precautions and vigil have to be maintained in banks of rivers **Pampa**, **Manimala** and **Achankovil** keeping in mind the pilgrim season in **Pathanamthitta** District.

General Advisory

Maximum Vigil has to be maintained in all Medium and Minor irrigation and power projects in the path of the weather system which is likely to affect the **Southern Tamilnadu** and **Southern Kerala** areas. Proper regulation of reservoir and releases should be done as per SOP after informing the downstream areas. **Care should also be taken to follow all Covid related guidelines issued by Govt. of India while setting up relief camps.**