



**Central Water Commission
Special Advisory No. 6
10.06.2019**

**1.0 IMD information
1.1.1 Meteorological Situation**

**Sub: Depression over Eastcentral and adjoining Southeast Arabian Sea & Lakshadweep area:
Pre- Cyclone Watch for Gujarat Coast**

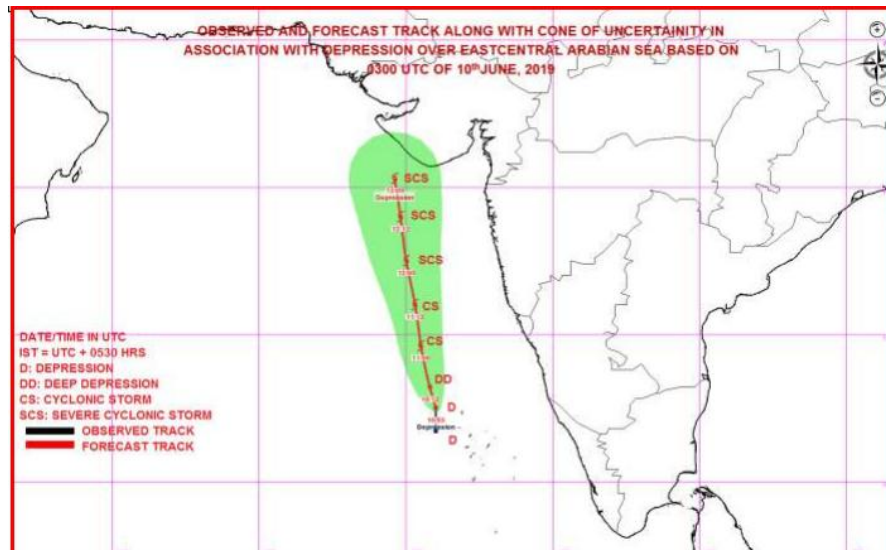
The depression over Southeast and adjoining Lakshadweep & Eastcentral Arabian Sea moved northwards with a speed of about 31 kmph in last three hours and lay centred at 0830 hrs IST of today, the 10th June, 2019 near latitude 12.5°N and longitude 71.0°E over Eastcentral and adjoining Southeast Arabian Sea & Lakshadweep area, about 240 km northwest of Aminidivi (Lakshadweep), 760 km south-southwest of Mumbai (Maharashtra) and 930 km south-southeast of Veraval (Gujarat). It is very likely to intensify further into a deep depression during next 06 hours, into a Cyclonic Storm during the subsequent 24 hours and into a Severe Cyclonic Storm thereafter. It is likely to move north-northwestwards during next 72 hours.

It is very likely to cause adverse impact in terms of wind & rainfall over Saurashtra & Kutch mainly on 13th & 14th June, 2019.

Forecast track and intensity are given in the following table:

Date/Time(IST)	Position (Lat. °N/ long. °E)	Maximum sustained surface wind speed (Kmph)	Category of cyclonic disturbance
10.06.19/0830	12.5/71.0	40-50 gusting to 60	Depression
10.06.19/1730	13.2/70.8	55-65 gusting to 75	Deep Depression
11.06.19/0530	14.6/70.5	65-75 gusting to 85	Cyclonic Storm
11.06.19/1730	16.0/70.3	80-90 gusting to 100	Cyclonic Storm
12.06.19/0530	17.5/70.0	90-100 gusting to 115	Severe Cyclonic Storm
12.06.19/1730	19.0/69.8	100-110 gusting to 125	Severe Cyclonic Storm
13.06.19/0530	20.3/69.6	110-120 gusting to 135	Severe Cyclonic Storm

1.2 The forecasted track of the system is shown as under:



1.3 Rainfall Forecast for the next 5 days is given as under:

Warnings:

(i) Heavy rainfall warning:

Sub-Divisions	10 June 2019 *	11 June 2019*	12 June 2019*	13 June 2019*	14 June 2019*
Kerala	Widespread rainfall with heavy falls at isolated places	Widespread rainfall with heavy falls at isolated places	Widespread rainfall with heavy to very heavy falls at isolated places	Widespread rainfall with heavy falls at isolated places	Widespread rainfall with heavy falls at isolated places
Lakshadweep area	Widespread rainfall with heavy to very heavy falls at isolated places	Widespread rainfall	Widespread rainfall	Widespread rainfall	Widespread rainfall
Coastal Karnataka	Widespread rainfall with heavy to very heavy falls at isolated places	Widespread rainfall with heavy falls at isolated places	Widespread rainfall with heavy falls at isolated places	Widespread rainfall with heavy falls at isolated places	Widespread rainfall with heavy falls at isolated places
South Interior Karnataka	Fairly widespread rainfall with heavy falls at isolated places	Rainfall at a few places	Rainfall at a few places	Rainfall at a few places	Rainfall at a few places
Konkan & Goa	Rainfall at a few places with isolated heavy falls over Goa	Fairly widespread rainfall with heavy falls at isolated places	Widespread rainfall with heavy falls at isolated places	Fairly widespread rainfall with heavy falls at isolated places	Fairly widespread rainfall
Saurashtra & Kutch	Dry	Rainfall at isolated places	Rainfall at a few places with heavy rainfall at isolated places	Fairly widespread rainfall with heavy to very heavy falls at isolated places	Fairly widespread rainfall with heavy falls at isolated places

Note: * Rainfall till 0830 IST of next day.

Legends: **Yellow: Be Updated; Orange- Be prepared; Red- Take action, Green: No warning**
Heavy rain: 64.5-115.5 mm/day; Very heavy rain: 115.6-204.4 mm/day; Extremely heavy rain: more than 204.4 mm/day

Chief Amount of rainfall recorded at 0830 hours IST of today (5 cm or more) as per IMD

Name of Place (State)	Rainfall (in cm)
Long Island (A&N Islands)	21
Sohra (Meghalaya)	17
Piravom (Kerala)	14
Mayabandar (A&N Islands)	13
Alapuzzah, Cherthala, Nedumangad (Kerala)	11 each
Mancompu, Vaikom, Kodungallur (Kerala)	10 each
Kottayam, Kochi AP, Ernakulam South	9 each
Chalakyudi (Kerala)	8
Kuzhithurai (TN), Chengannur, Kayamkulam, Aluva & Peermade Kerala)	7
Thiruvananthapuram City, Thiruvananthapuram AP & Neyyattinkara, C.I.A.L. Kochi & Perumbavur, Kurudamannil, Mavelikkara, Kanjirappally, Enamackel, Irinjalakuda & Ponnani (Kerala)	6 each
Minicoy (Lakshadweep), Punalur, Vellanikkara, Vadakkancherry, Kayamkulam Agri & Thodupuzha (Kerala), Eraniel (TN), Dibrugarh (Assam)	5 each

2 CWC Analysis

2.1 Flood Situation & Advisories as per Actual/ Forecasted Rainfall

Heavy to Very Heavy rainfall has occurred in Kerala at few places today. However, as most of the catchment is dry and reservoir level in major dams are very low (Idukki Dam Level is 703.94 m at 1300 hrs of 10th June 2019 compared to FRL of 732.43 m), no major effect is likely to be felt in the river basins along the west coast during the next 3 days. However, the system is being monitored closely and in case of any heavy rainfall occurring in any of the basins, advisories will be generated and disseminated at the earliest.

As per the 3-day advisory models for Kerala and Karnataka, there is likelihood of slow increase in inflows in to Idukki, Idamalayar and Kabini reservoirs during the next 3 days as shown in the diagrams below:

