



India Meteorological Department
Earth System Science Organisation
(Ministry of Earth Sciences)

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Sub: Depression over Eastcentral and adjoining Southeast Arabian Sea: Cyclone Alert for north Maharashtra - south Gujarat coasts: Yellow message

The **depression** over Eastcentral and adjoining Southeast Arabian Sea moved north-northwestwards with a speed of 13 kmph during past 06 hours and lay centred at 1130 hours IST of today the 1st June, 2020 near latitude 13.7°N and longitude 71.2°E about 340 km southwest of Panjim (Goa), 630km south-southwest of Mumbai (Maharashtra) and 850 km south-southwest of Surat (Gujarat).

It is very likely to intensify into a Deep Depression over Eastcentral and adjoining Southeast Arabian Sea during next 06 hours and **intensify further into a Cyclonic Storm over Eastcentral Arabian Sea during the subsequent 24 hours**. It is very likely to move nearly northwards initially till 02nd June Morning and then recurve north-northeastwards and cross north Maharashtra and south Gujarat coasts between Harihareshwar (Raigad, Maharashtra) and Daman during the afternoon of 3rd June .

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
01.06.20/1130	13.7/71.2	45-55 gusting to 65	Depression
01.06.20/1730	14.2/71.0	50-60 gusting to 70	Deep Depression
01.06.20/2330	14.7/70.9	55-65 gusting to 75	Deep Depression
02.06.20/0530	15.1/70.9	60-70 gusting to 80	Cyclonic Storm
02.06.20/1130	15.6/71.0	80-90 gusting to 100	Cyclonic Storm
02.06.20/2330	16.8/71.5	90-100 gusting to 110	Severe Cyclonic Storm
03.06.20/1130	18.9/72.7	105-115 gusting to 125	Severe Cyclonic Storm
03.06.20/2330	20.5/74.3	70-80 gusting to 90	Cyclonic Storm
04.06.20/1130	22.0/76.0	45-55 gusting to 65	Depression

Spatial rainfall distribution: Isolated: <25%, A few: 26-50%, Many: 51-75%, Most: 76-100%

Rainfall amount (mm): Heavy rain: 64.5 – 115.5, Very heavy rain: 115.6 – 204.4, Extremely heavy rain: 204.5 or more.

Warnings:

(i) **Rainfall:**

Under the influence of the system, light to moderate rainfall at most places with isolated heavy falls very likely over Lakshadweep area, north Kerala and coastal Karnataka, today the 1st June. Light to moderate rainfall at most places with heavy to very heavy falls at isolated places very likely over south Konkan & Goa on 01st June. Light to moderate rainfall at most places with isolated heavy to very heavy falls very likely over Konkan & Goa on 02nd June and over south Konkan & Goa on 03rd June.

Light to moderate rainfall at most places with heavy to very heavy falls at a few places and extremely heavy falls at isolated places over north Konkan and north Madhya Maharashtra on 03rd & 04th June.

Light to moderate rainfall at most places with isolated heavy to very heavy falls very likely over south Gujarat state, Daman, Dadra & Nagar Haveli on 03rd June and with heavy to very heavy falls at a few places and extremely heavy falls at isolated places over south Gujarat state, Daman, Dadra & Nagar Haveli and on 04th June.

(ii) **Wind warning**

Squally wind, speed reaching 45-55 kmph gusting to 65 kmph, is prevailing over Eastcentral and adjoining southeast Arabian Sea. It is very likely to become 50-60 kmph gusting to 70kmph over Eastcentral and adjoining southeast Arabian Sea during next 48 hours. It will gradually increase becoming Gale wind speed reaching 60-70 kmph gusting to 80 kmph over eastcentral Arabian Sea and along and off south Maharashtra coast from 2nd June morning and further becoming 105-115 kmph gusting to 125 kmph over eastcentral and northeast Arabian Sea along & off Maharashtra coast (Raigad, Mumbai, Palghar, Thane), 90-100 kmph gusting to 110 kmph along & off Valsad, Navsari districts of Gujarat, and 80-90 kmph gusting to 100 kmph along & off Ratnagiri, Sindhudurg districts of Maharashtra, 70-80 kmph gusting to 90 kmph along & off Surat & Bharuch districts of south Gujarat from 3rd June afternoon.

Squally wind, speed reaching 50-60 kmph gusting to 70 kmph is likely prevail over eastcentral Arabian Sea along and off Karnataka-Goa coasts during next 48 hours.

Squally wind, speed reaching 40-50 kmph gusting to 60 kmph is likely to prevail over Lakshadweep area and along & off Kerala coast during next 48 hours.

(iii) **Sea condition**

The Sea condition is very likely to be rough to very rough over Eastcentral & adjoining Southeast Arabian Sea during next 48 hours. It would become very rough to High over eastcentral & southeast Arabian Sea and along & off Karnataka-Goa coasts during next 48 hours. It will be High to very High over Eastcentral Arabian Sea along and off Maharashtra coast from 2nd June.

The Sea condition is very likely to be very rough to High over northeast Arabian Sea along & off Gujarat coast from 3rd June.

(iv) **Fishermen Warning**

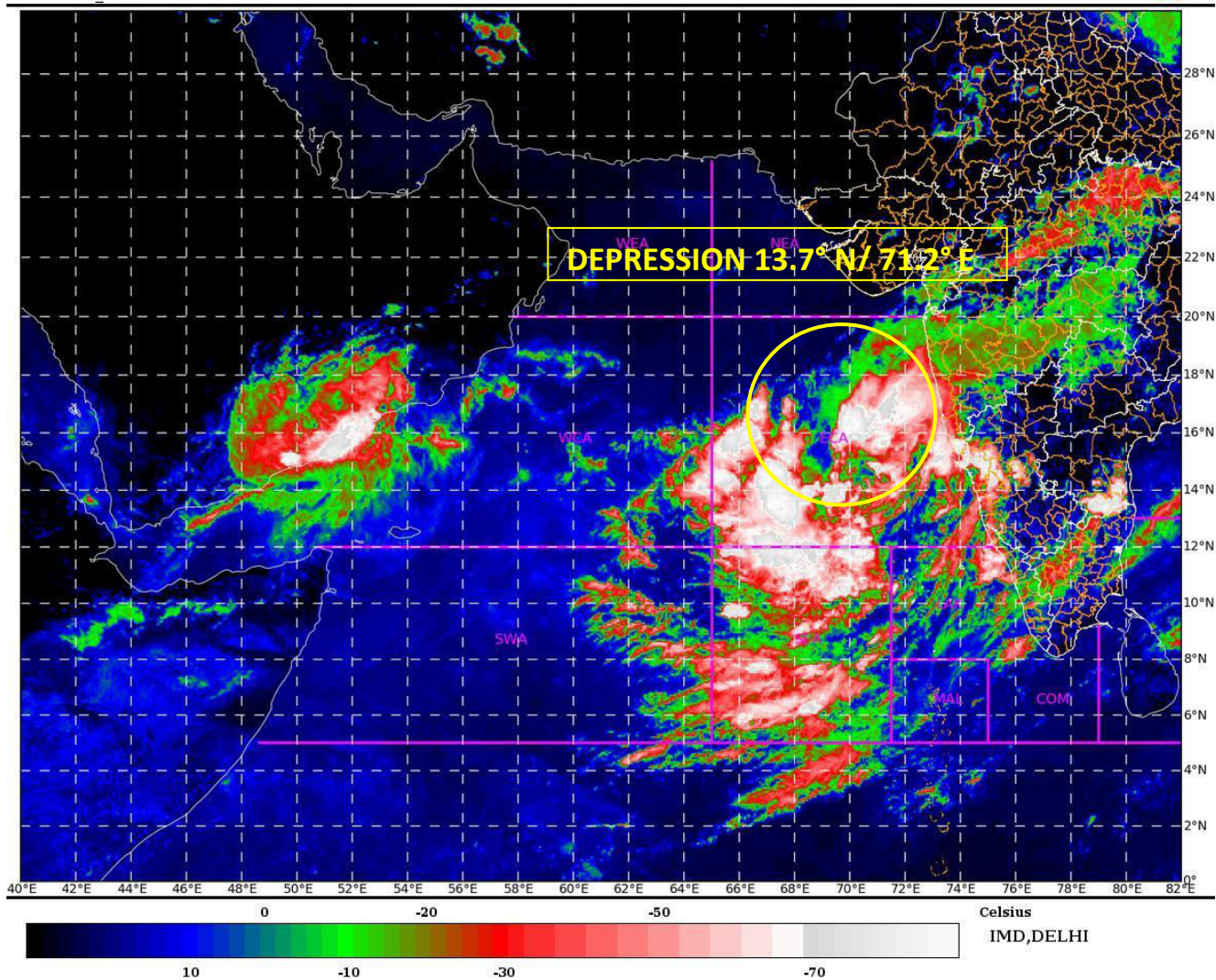
Fishermen are advised not to venture into southeast Arabian Sea, Lakshadweep area and along & off Kerala coast during next 48 hours; eastcentral Arabian Sea and along & off Karnataka-Goa coasts till 3rd June; eastcentral Arabian Sea along & off Maharashtra coast and northeast Arabian Sea along & off Gujarat coast during 3rd – 4th June.

The next bulletin will be issued at 2030 hrs IST of today, the 1st June, 2020.

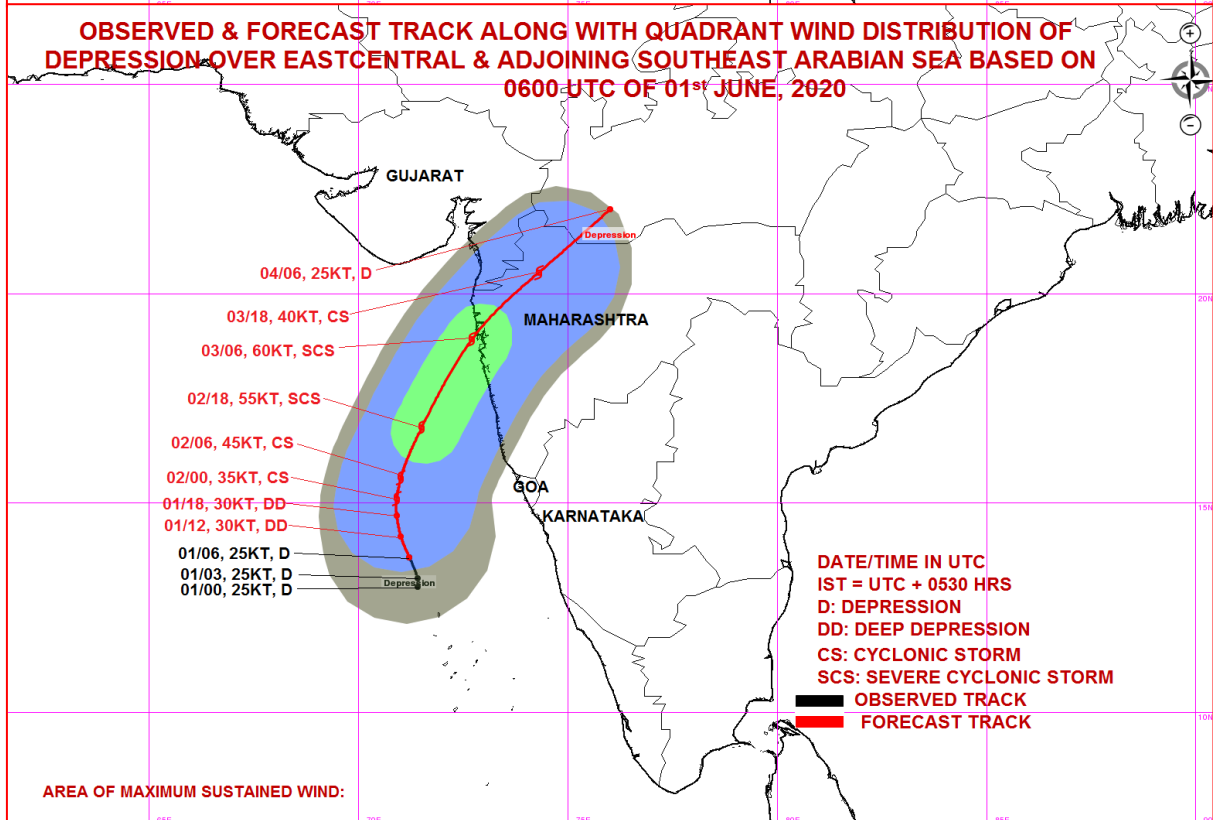
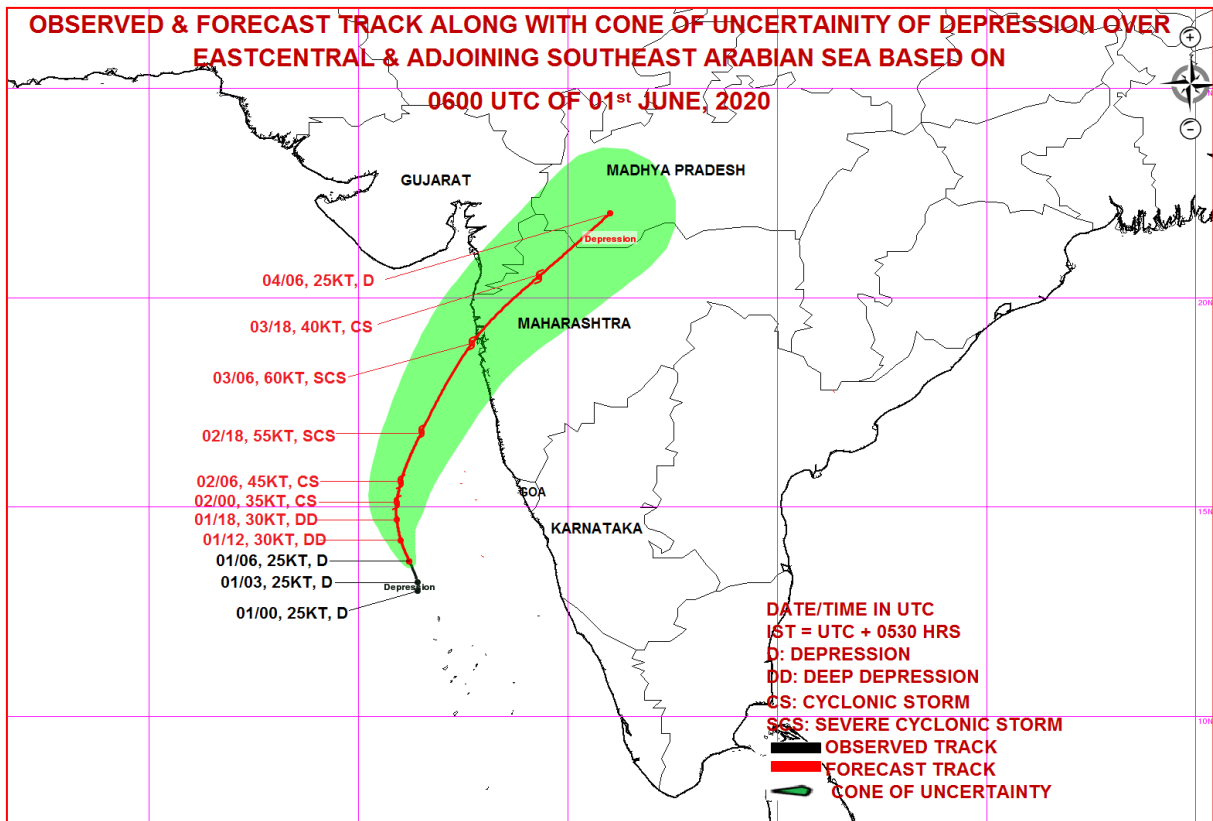
(Sunitha Devi)
Scientist-E, RSMC, New Delhi

Copy to: ACWC Chennai/ ACWC Mumbai/ MC Goa/ MC Bengaluru/ CWC Ahmedabad/ Thiruvananthapuram.

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MSW(knot)/kmph)	Impact	Action
28-33/(52-61)	Very rough seas.	Total suspension of fishing operations
34-40/(62-74)	High to very high seas	Total suspension of fishing operations
41-63/(75-117)	Very High seas	Total suspension of fishing operations

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