

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

BULLETIN NO.: 20 (ARB/04/2019) and BULLETIN NO.: 65 (ARB/03/2019)

TIME OF ISSUE: 2000 HOURS IST DATED: 01.11.2019

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Sub: (A) Severe Cyclonic Storm MAHA (Pronounced as M'maha) over eastcentral Arabian Sea

(B) Depression over westcentral Arabian Sea.

BULLETIN NO.: 20 (ARB/04/2019)

(A) Severe Cyclonic Storm MAHA (Pronounced as M'maha) over eastcentral Arabian Sea

The Severe cyclonic storm MAHA (Pronounced as M'maha) over eastcentral Arabian Sea moved further west-northwestwards with a speed of 19 kmph during past 06 hours, and lay centered at 1730 hrs IST of today, the 01st November, 2019 over eastcentral Arabian Sea near latitude 15.6°N and longitude 69.5°E, about 590 km south-southwest of Veraval (Gujarat) and 460 km west of Goa. It is very likely to move northwestwards during next 24 hours, west-northwestwards during 02nd to 04th November and recurve east-northeastwards towards south Gujarat coast thereafter. It is very likely to intensify into a very severe cyclonic storm over eastcentral Arabian Sea during next 24 hours.

Forecast track and intensity are given in the following table:

Date/Time(IST)		Maximum sustained	Category of cyclonic disturbance
	(Lat. ⁰N/ long.	surface	
	°E)	wind speed (Kmph)	
01.11.19/1730	15.6/69.5	90-100 gusting to 115	Severe Cyclonic Storm
01.11.19/2330	16.1/69.0	95-105 gusting to 120	Severe Cyclonic Storm
02.11.19/0530	16.6/68.6	100-110 gusting to 125	Severe Cyclonic Storm
02.11.19/1130	17.0/68.2	110-120 gusting to 135	Severe Cyclonic Storm
02.11.19/1730	17.4/67.9	120-130 gusting to 145	Very Severe Cyclonic Storm
03.11.19/0530	17.8/67.5	130-140 gusting to 155	Very Severe Cyclonic Storm
03.11.19/1730	18.1/66.7	140-150 gusting to 165	Very Severe Cyclonic Storm
04.11.19/0530	18.3/66.0	145-155 gusting to 170	Very Severe Cyclonic Storm
04.11.19/1730	18.7/65.2	150-160 gusting to 175	Very Severe Cyclonic Storm
05.11.19/0530	19.1/65.0	150-160 gusting to 175	Very Severe Cyclonic Storm
05.11.19/1730	19.6/65.5	140-150 gusting to 165	Very Severe Cyclonic Storm
06.11.19/0530	19.8/66.7	130-140 gusting to 155	Very Severe Cyclonic Storm
06.11.19/1730	20.2/67.9	120-130 gusting to 145	Very Severe Cyclonic Storm

Warnings:

(i) Rainfall:

- Light to moderate rainfall at a few places very likely over Konkan & Goa, Madhya Maharashtra and south Gujarat during next 24 hours.
- Light to moderate rainfall at many places with isolated heavy falls over Saurashtra and Gujarat region on 6th & 7th November, 2019.

(ii) Wind warning

- Gale wind speed reaching 90-100 kmph gusting to 115 kmph is prevailing over eastcentral Arabian Sea around the system centre.
- Gale wind speed is very likely to increase gradually over east-central Arabian Sea becoming 120-130 kmph gusting to 145 kmph by the evening of 2nd November and 150-160 kmph gusting to 175 kmph over eastcentral & adjoining westcentral and northeast Arabian Sea by 04th November morning.
- Squally wind speed reaching 40-50 kmph gusting to 60 kmph likely along & off Goa-Maharashtra coasts during next 24 hours.
- Squally wind speed reaching 40-50 kmph gusting to 60 kmph likely to commence over northeast Arabian Sea along & off South Gujarat coast from 6th November morning.

(iii) Sea condition

- Sea condition will be very high over eastcentral Arabian Sea for the next 24 hours and will become phenomenal from 02nd November evening for subsequent 04 days.
- Sea condition will be high to phenomenal over westcentral and adjoining northeast Arabian Sea during 4th to 6th November.

(v) Fishermen Warning

 The fishermen are advised not to venture into the sea along & off Goa- Maharashtra coasts during next 24 hours and into eastcentral Arabian Sea till 6th November, 2019 and over westcentral and northeast Arabian Sea from 03rd November onwards.

BULLETIN NO.: 65 (ARB/03/2019)

(B) Depression over westcentral Arabian Sea

The Depression over westcentral Arabian Sea moved west-southwestwards with a speed of 24 kmph during past 06 hours and lay centred at 1730 hrs IST of today, the 01st November, 2019 over westcentral Arabian Sea near latitude 15.4°N and longitude 57.5°E, about 1670 km west-southwest of Mumbai (Maharashtra), 420 km east-southeast of Salalah (Oman) and 600 km south-southeast of Masirah (Oman). It is very likely to move southwestwards across westcentral Arabian Sea, maintaining the intensity of a depression during next 12 hours and weaken into a Well Marked Low Pressure Area thereafter.

Warnings:

(i) Wind warning

Gale wind speed reaching 45-55 kmph gusting to 65 kmph is prevailing around the system centre
over westcentral Arabian Sea. It is very likely to reduce becoming 40-50 kmph gusting to 60 kmph
during next 12 hours and decrease thereafter.

(ii) Sea condition

• Sea condition is rough to very rough over westcentral Arabian Sea around the system centre. It will become rough during next 12 hours and improve gradually thereafter.

(iii) Fishermen Warning

The fishermen are advised not to venture into westcentral Arabian Sea during next 12 hours.

The next bulletin will be issued at 2330 hrs IST of 01st November, 2019.

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

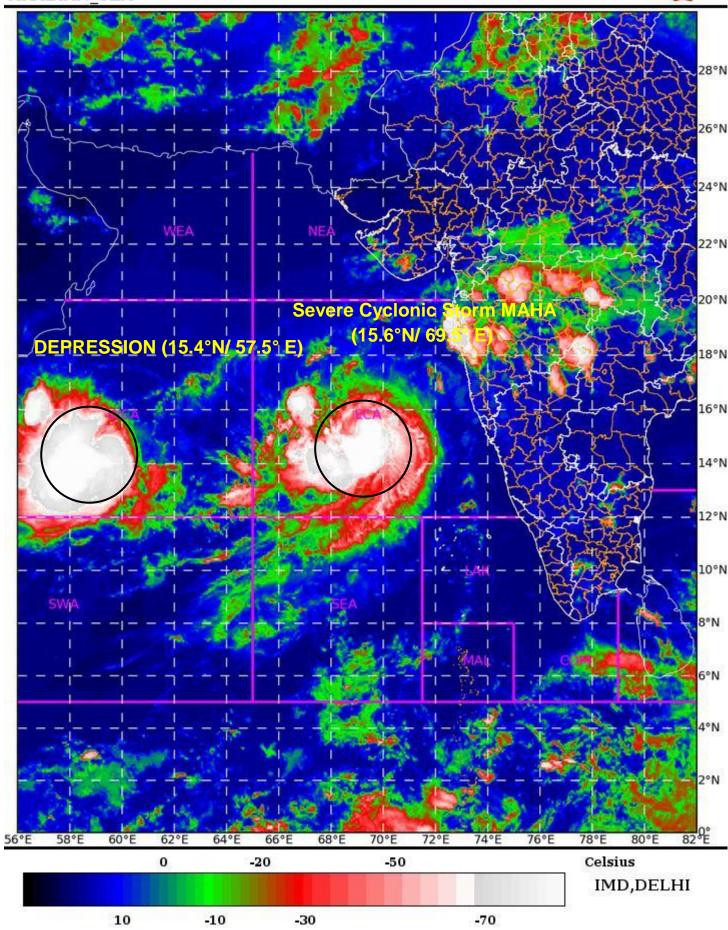
Copy to: ACWC Chennai/ ACWC Mumbai/ MC Goa/ MC Bengaluru/ CWC Ahmedabad/ Thiruvanathapuram.

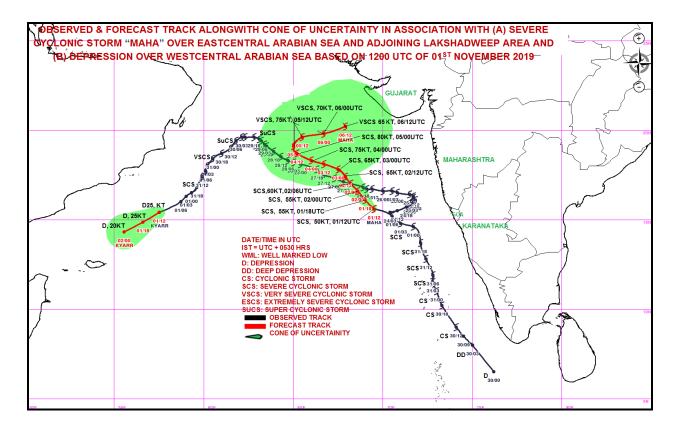
Spatial rainfall distribution: Isolated: <25%, A few: 26-50%, Many: 51-75%, Most: 76-100% Rainfall amount (mm): Heavy rain: 64.5 – 115.5, Very heavy rain: 115.6 – 204.4, Extremely heavy rain: 204.5 or more.

SAT : INSAT-3D IMG IMG_TIR1_TEMP 10.8 um 01-11-2019/(1330 to 1356) GMT 01-11-2019/(1900 to 1926) IST



ARABIAN SEA





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Severe cyclonic storm MAHA over eastcentral Arabian Sea centered near latitude 15.6°N and longitude 69.5°E, about 460 km west of Goa. It will move northwestwards during next 24 hours, west-northwestwards during 02nd to 04th November and recurve east-northeastwards towards south Gujarat coast thereafter. It will intensify into a very severe cyclonic storm over eastcentral Arabian Sea during next 24 hours.