



**India Meteorological Department
(Ministry of Earth Sciences)**

NATIONAL BULLETIN NO. 4 (AS/02/2023)

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DATED: 01.10.2023

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Sub: A) Depression crossed south Konkan coast

B) Well marked low pressure area over coastal West Bengal and adjoining areas of North coastal Odisha & Northwest Bay of Bengal

A) Depression crossed south Konkan coast

The depression over Eastcentral Arabian Sea close to south Konkan coast moved northeastwards with a speed of 6 kmph during past 6 hours, crossed south Konkan coast between Panjim (Goa) and Ratnagiri (Maharashtra) during 2030-2230 hours IST of 30th September and lay centered at 2330 hours IST of 30th September, 2023 over south Konkan, near latitude 16.8°N and longitude 73.5°E, about 25 km southeast of Ratnagiri (Maharashtra), 100 km north-northwest of Vengrula (Maharashtra) and 150 km north-northwest of Panjim (Goa).

It is very likely to move northeastwards and weaken into a Well Marked Low Pressure Area during next 24 hours.

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 (warning graphics enclosed)

South Konkan:

Light/moderate rainfall at most places with heavy to very heavy rainfall at a few places and extremely heavy rainfall at isolated places is very likely on 1st October, 2023.

Goa:

Light/moderate rainfall at most places with heavy to very heavy rainfall at isolated places is very likely on 1st October, 2023.

North Konkan:

Light/moderate rainfall at most places with heavy rainfall at isolated places is very likely on 1st October, 2023.

Costal Karnataka:

Light/moderate rainfall at most places with heavy rainfall at isolated places on 1st October, 2023.

South Madhya Maharashtra:

Light/moderate rainfall at most places with heavy to very heavy rainfall at isolated places on 1st October, 2023.

Kerala:

Light/moderate rainfall at most places with heavy rainfall at isolated places on 1st October, 2023.

(ii) Wind warning:

Squally wind speed reaching 45-55 kmph gusting to 65 kmph over Eastcentral Arabian Sea along & off Maharashtra-Goa-Karnataka coasts is likely prevail during next 12 hours and gradually weaken thereafter.

(iii) Sea condition

Rough to very rough sea condition is very likely over Eastcentral Arabian Sea along & off Maharashtra-Goa-Karnataka coasts during next 12 hours and gradually improve thereafter.

(iv) Fishermen Warning (warning graphics enclosed)

Fishermen are advised not to venture into Eastcentral Arabian Sea along & off Maharashtra-Goa-Karnataka coasts on 1st October, 2023.

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.

B) Well marked low pressure area over coastal West Bengal and adjoining areas of North coastal Odisha & Northwest Bay of Bengal

The Well Marked Low Pressure Area over coastal West Bengal and adjoining areas of North coastal Odisha & Northwest Bay of Bengal lies over the same region at 2330 hours IST of 30th September, 2023. It is likely to move further west-northwestwards across Gangetic West Bengal and adjoining north Odisha & Jharkhand during next 12 hours.

Warnings:

(i) Rainfall (warning graphics enclosed)

01st October:

Light/moderate rainfall at most places with heavy to very heavy rainfall at isolated places is very likely over North Odisha, North Chhattisgarh, Bihar, Jharkhand and Sub-Himalayan West Bengal & Sikkim; isolated heavy rainfall over Gangetic West Bengal.

2nd October:

Light/moderate rainfall at most places with heavy to very heavy rainfall at isolated places is likely over North Odisha, Bihar, Jharkhand, Sub-Himalayan west Bengal & Sikkim; isolated heavy rainfall over Gangetic West Bengal.

(ii) Wind warning:

Squally wind speed reaching 40-50 kmph gusting to 60 kmph is prevailing and likely over North Bay of Bengal along & off North Odisha -West Bengal and adjoining Bangladesh coasts on 1st October.

(iii) Sea condition

Rough sea condition is very likely over North Bay of Bengal along & off North Odisha - West Bengal and adjoining Bangladesh coasts on 1st October, 2023.

(iv) Fishermen Warning (warning graphics enclosed)

Fishermen are advised not to venture into North Bay of Bengal along & off North Odisha - West Bengal and adjoining Bangladesh coasts on 1st October, 2023.

The system is under continuous surveillance and the next message will be issued at 0830 hours IST of today, the 1st October, 2023.

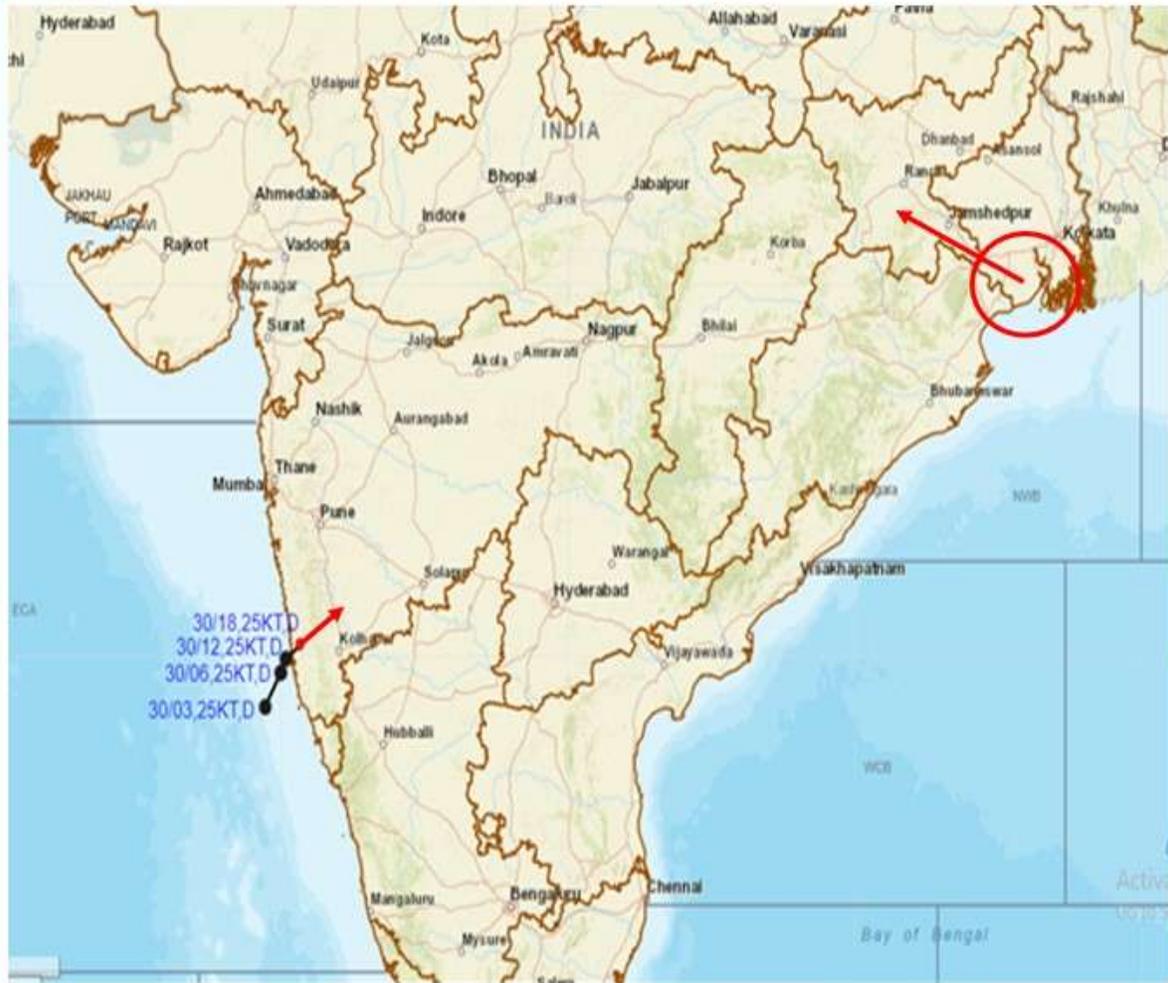
**(Shobhit Katiyar)
Scientist D, Cyclone Warning, New Delhi**

Copy to: ACWC Mumbai/ACWC Kolkata/ ACWC Chennai/CWC Ahmedbad/ CWC Bhubaneswar/CWC Visakhapatnam/ CWC Thiruvanthapuram

Spatial rainfall distribution: Isolated: <25%, A few: 26-50%, Many: 51-75%, Most: 76-100%
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OBSERVED AND FORECAST TRACK OF DEPRESSION OVER SOUTH KONKAN AND LOCATION OF WELL MARKED LOW PRESSURE AREA OVER COASTAL WEST BENGAL AND ADJOINING AREA BASED ON 1800 UTC (2330 IST) OF 30TH SEPTEMBER, 2023.



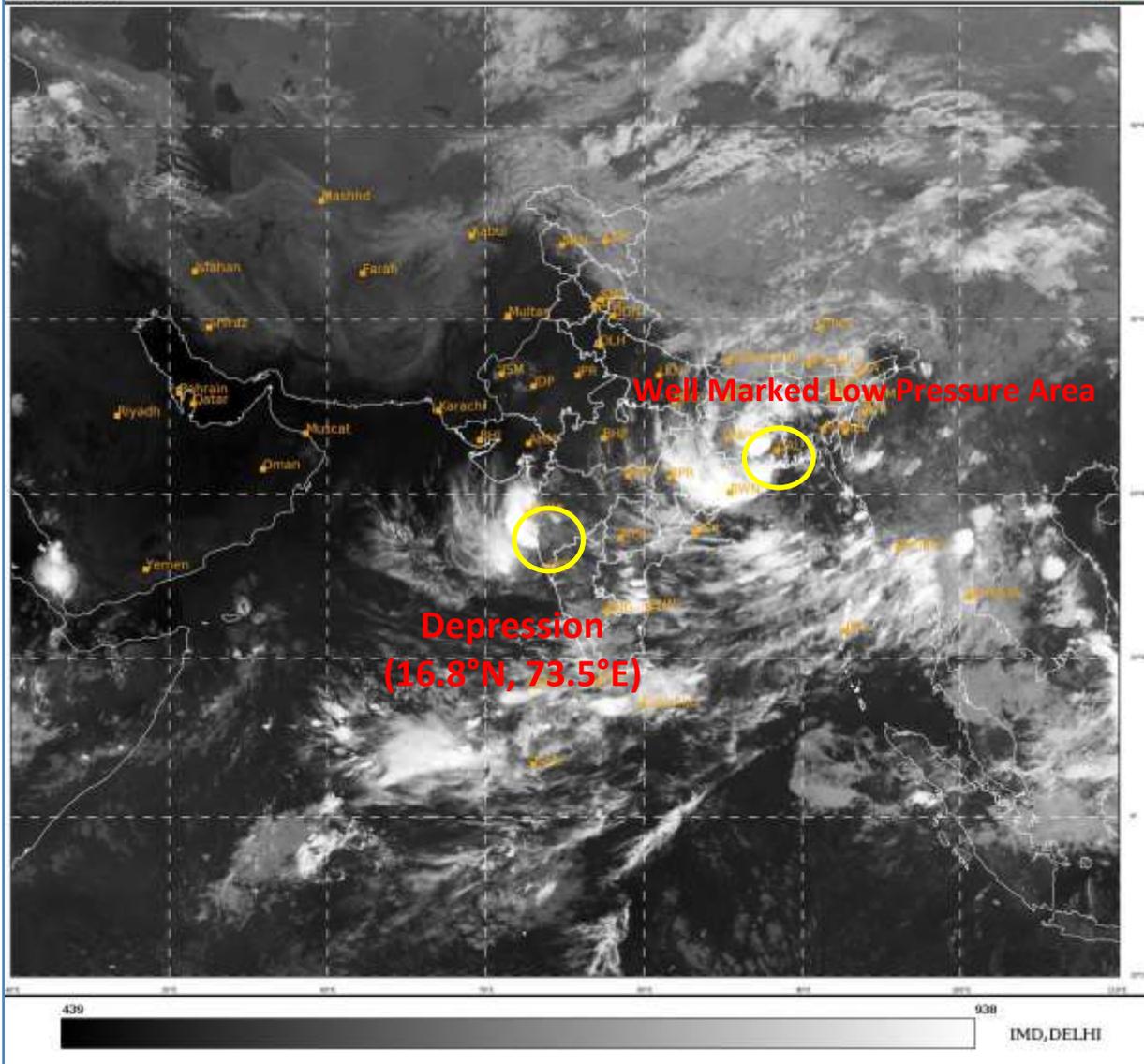
DATE/TIME IN UTC
 IST=UTC + 0530
 L: LOW PRESSURE AREA
 WML: WELL MARKED LOW PRESSURE AREA
 D: DEPRESSION (17-27 KT)
 DD: DEEP DEPRESSION (28-33 KT)
 CS: CYCLONIC STORM (34-47 KT)
 SCS: SEVERE CYCLONIC STORM (48-63KT)
 VSCS: VERY SEVERE CYCLONIC STORM (64-89 KT)
 ESCS: EXTREMELY SEVERE CYCLONIC STORM (90-119 KT)
 SuCS: SUPER CYCLONIC STORM (≥ 120 KT)

- LESS THAN 34 KT
- ⊙ 34-47 KT
- ⊙ ≥ 48 KT
- OBSERVED TRACK
- FORECAST TRACK
- ▲ CONE OF UNCERTAINTY

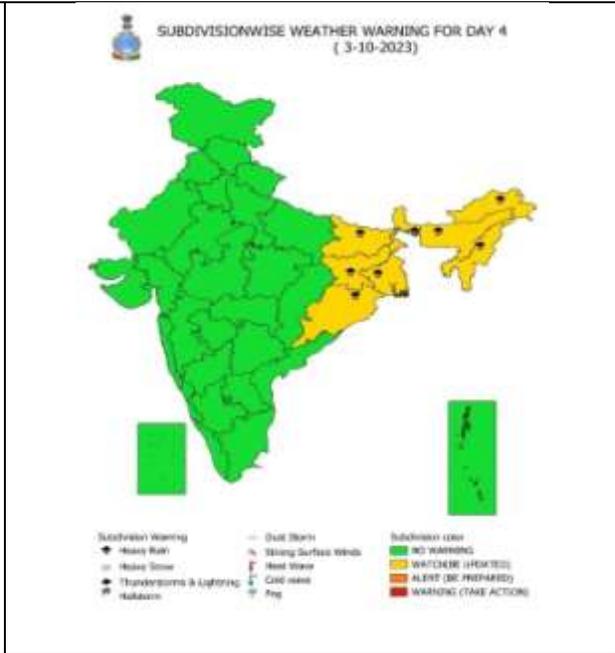
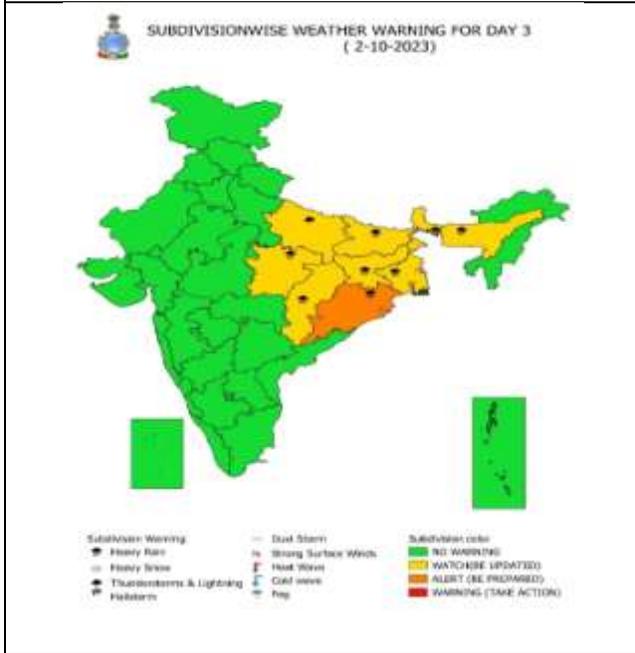
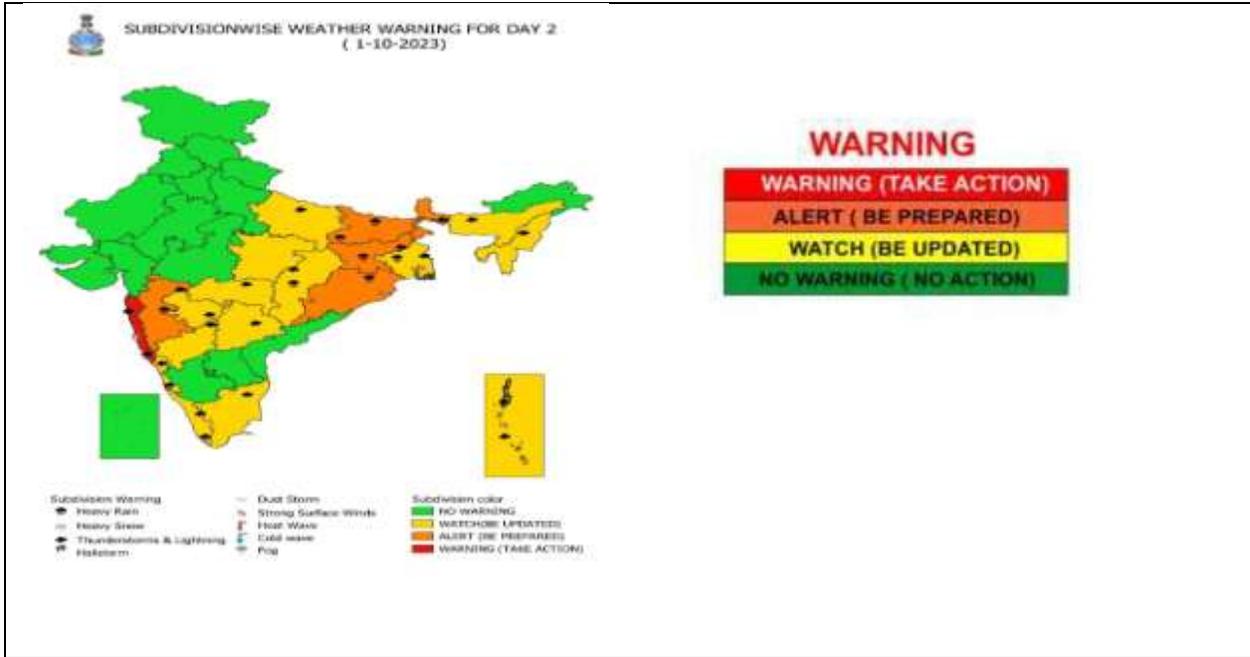
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SAT : INSAT-3DR IMG
IMC_TIR1 10.8 um
L1C Mercator

30-09-2023/(1645 to 1712) GMT
30-09-2023/(2215 to 2242) IST

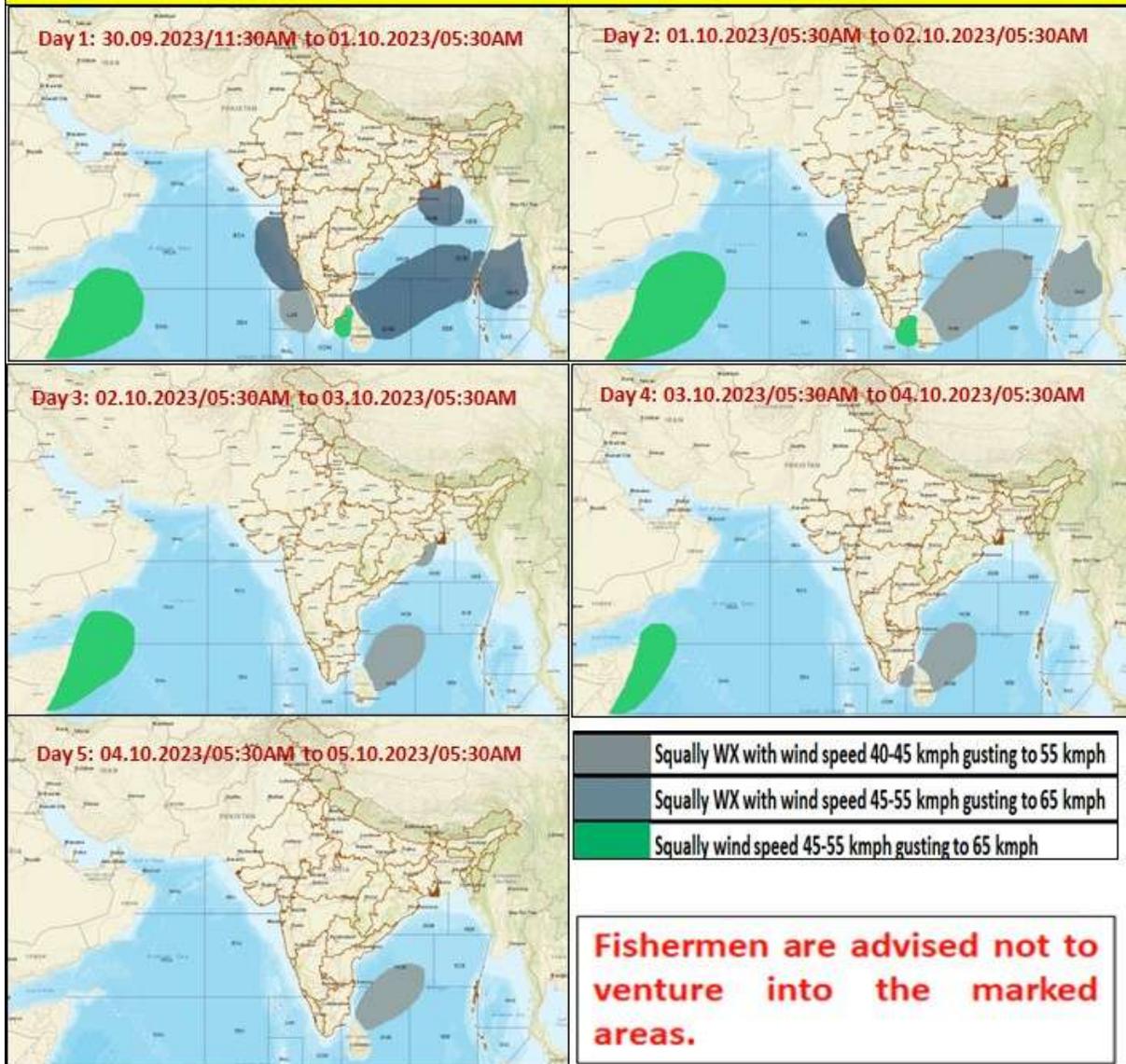


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Fishermen warning graphics



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