



India Meteorological Department
(Ministry of Earth Sciences)

SPECIAL BULLETIN NO. 2

TIME OF ISSUE: 1230 HOURS IST DATED: 09.05.2023
FROM: INDIA METEOROLOGICAL DEPARTMENT (FAX NO. 24643965/24699216/24623220)

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Sub: Well Marked Low pressure area over southeast Bay of Bengal and adjoining south Andaman Sea

The low pressure area over Southeast Bay of Bengal and adjoining South Andaman Sea has become Well Marked Low pressure Area over the same region at 0530 hours IST of today, the 9th May 2023. It is very likely to intensify into a depression by today evening over the same region and subsequently into a cyclonic storm over southeast Bay of Bengal and adjoining areas of eastcentral Bay of Bengal and Andaman Sea on 10th May. It is likely to move initially north-northwestwards till 11th May. Thereafter, it is likely to recurve gradually and move north-northeastwards towards Bangladesh-Myanmar coasts.

Warnings:

(i) Rainfall (warning graphics enclosed)

- ❖ **Andaman & Nicobar Islands:** Rainfall at most places with Heavy to very heavy rainfall at isolated places is likely during 9th to 11th May. Heavy rainfall at isolated places over Andaman Islands is likely on 12th May.

(ii) Wind warning:

- ❖ **Andaman & Nicobar Islands:** Squally wind speed reaching 45-55 kmph gusting to 65 kmph prevails on 9th May

Squally wind speed reaching 50-60 kmph gusting to 70 kmph is very likely from evening of 9th May and 55-65 kmph gusting to 75 kmph on 10th & 11th May.

❖ **Andaman Sea:**

Squally wind speed reaching 45-55 kmph gusting to 65 kmph prevails on 9th May. Squally wind speed reaching 50-60 kmph gusting to 70 kmph is very likely by morning of 10th May and 55-65 kmph gusting to 75 kmph is likely on 11th May.

❖ **Southeast Bay of Bengal:**

Squally wind speed reaching 45-55 kmph gusting to 65 kmph prevails on 9th May. Squally wind speed reaching 50-60 kmph gusting to 70 kmph is very likely from morning of 10th May.

Gale wind speed reaching 70-80 kmph gusting to 90 kmph from 11th May morning becoming 80-90 kmph gusting to 100 kmph on 12th May.

Squally wind speed reaching 50-60 kmph gusting to 70 kmph is very 13th May.

❖ **Eastcentral Bay of Bengal:**

Squally weather with wind speed reaching 40-50 kmph gusting to 60 kmph is very likely on 9th May and 50-60 kmph gusting to 70 kmph on 10th May.

Gale wind speed reaching 60-70 kmph gusting to 80 kmph from evening of 10th May.

Gale wind speed reaching 80-100 kmph gusting to 120 kmph on 11th May becoming 130-140 kmph gusting to 150 kmph during 12th & 13th May.

❖ **Westcentral Bay of Bengal:**

Squally weather with wind speed reaching 40-50 kmph gusting to 60 kmph is very likely on 9th May and 50-60 kmph gusting to 70 kmph on 10th May.

Gale wind speed reaching 60-70 kmph gusting to 80 kmph becoming 80-90 kmph gusting to 100 kmph on 11th May.

Gale wind speed reaching 100-110 kmph gusting to 120 kmph during 12th & 13th May.

(iii) Sea condition

❖ **Andaman Sea:**

Rough to very rough over south Andaman Sea prevails on 9th May

Very rough to high over Andaman Sea during 10th & 11th May.

Very rough to very rough over north Andaman Sea during 12th and 13th May.

❖ **Southeast Bay of Bengal:**

Rough to very rough prevails on 9th May.

Very rough to high during 10th and 11th May.

High to very high during on 12th May.

❖ **Eastcentral Bay of Bengal:**

Rough to very rough prevails on 9th May.

High to very high during 10th & 11th May.

Very High to phenomenal during 12th & 13th May.

❖ **Westcentral Bay of Bengal:**

Rough to very rough on 9th May.

High to very high during 10th & 11th May.
High to Very High during 12th & 13th May.

(iv) Fishermen Warning (warning graphics enclosed)

- ❖ Fishermen, small ships, boats and trawlers are advised not to venture into southeast and central Bay of Bengal and Andaman Sea from 9th May onwards.
- ❖ Those over central Bay of Bengal and north Andaman Sea are advised to return by today, the 9th May.

(v) Advisory

- ❖ Regulation of tourism and offshore activities and shipping near Andaman and Nicobar Islands during 9th - 12th May and
- ❖ Regulation of shipping activity over the sea areas of southeast & central Bay of Bengal and Andaman Sea during 9th -13th May.

The system is under continuous surveillance and the next message will be issued at 1130 hours IST of tomorrow, the 10th May 2023.

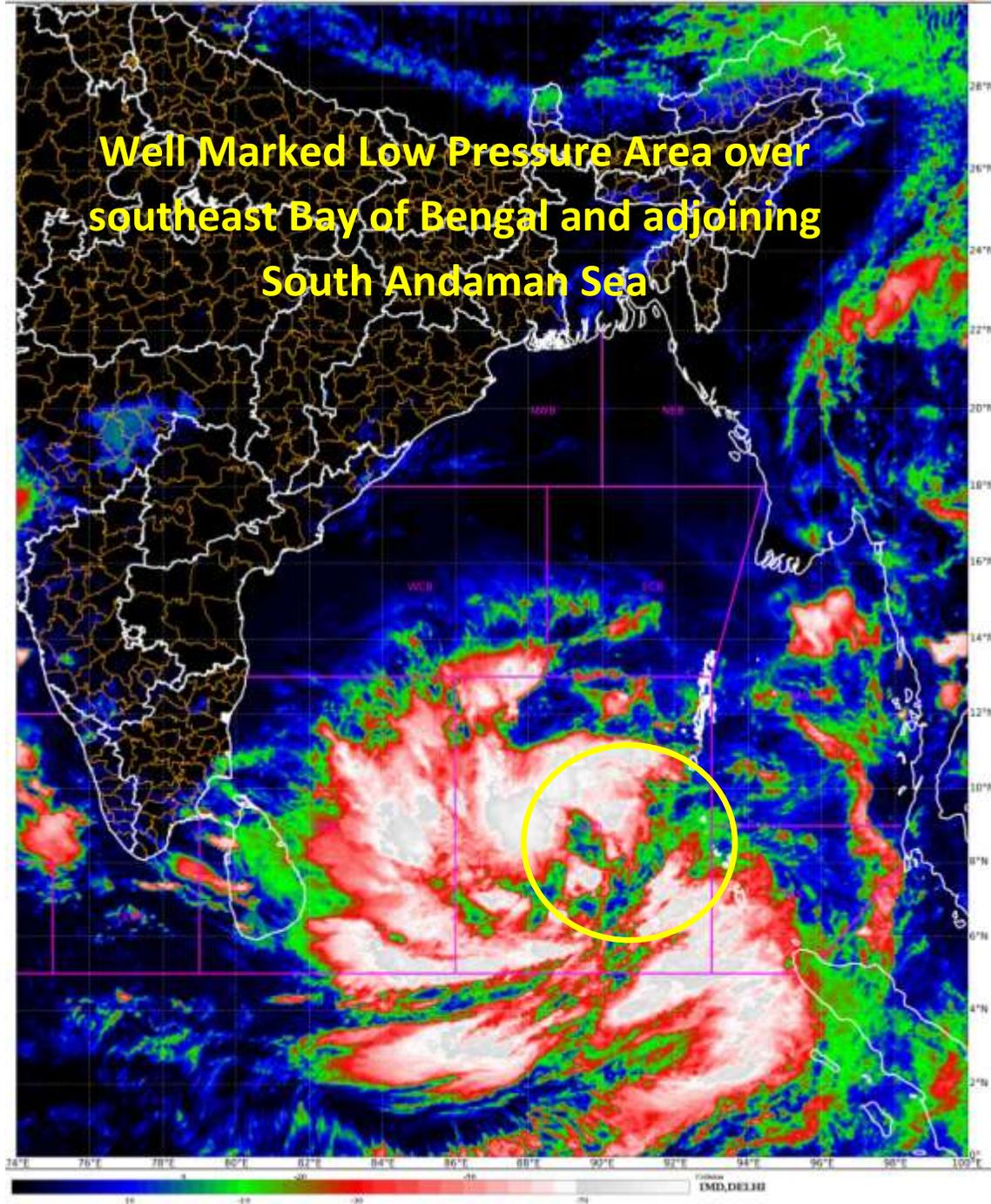
(Ananda Kumar Das)

Scientist F, Cyclone Warning, New Delhi

Copy to: ACWC Kolkata/ ACWC Chennai/ CWC Bhubaneswar/CWCVisakhapatnam/MO Port Blair

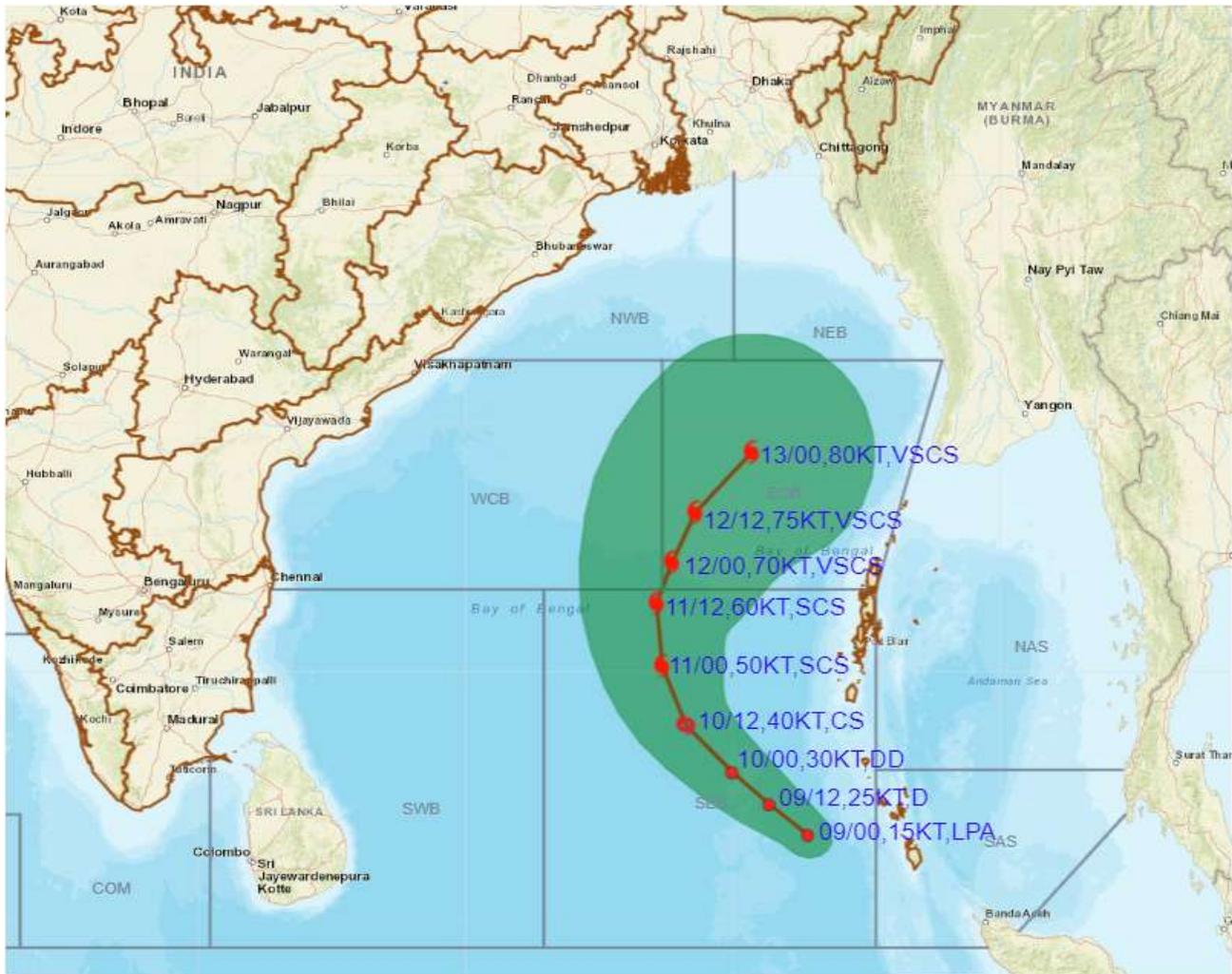


**Well Marked Low Pressure Area over
southeast Bay of Bengal and adjoining
South Andaman Sea**





PRE-GENESIS TRACK FORECAST FOR WELL MARKED LOW PRESSURE AREA OVER SOUTHEAST BAY OF BENGAL AND ADJOINING SOUTH ANDAMAN SEA BASED ON 0000 UTC (0530 IST) OF 09TH MAY 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)

VSCS: VERY SEVERE CYCLONIC STORM (64-89 KT)

ESCS: EXTREMELY SEVERE CYCLONIC STORM (90-119 KT)

SuCS: SUPER CYCLONIC STORM (\geq 120 KT)



LESS THAN 34 KT



34-47 KT



\geq 48 KT



OBSERVED TRACK



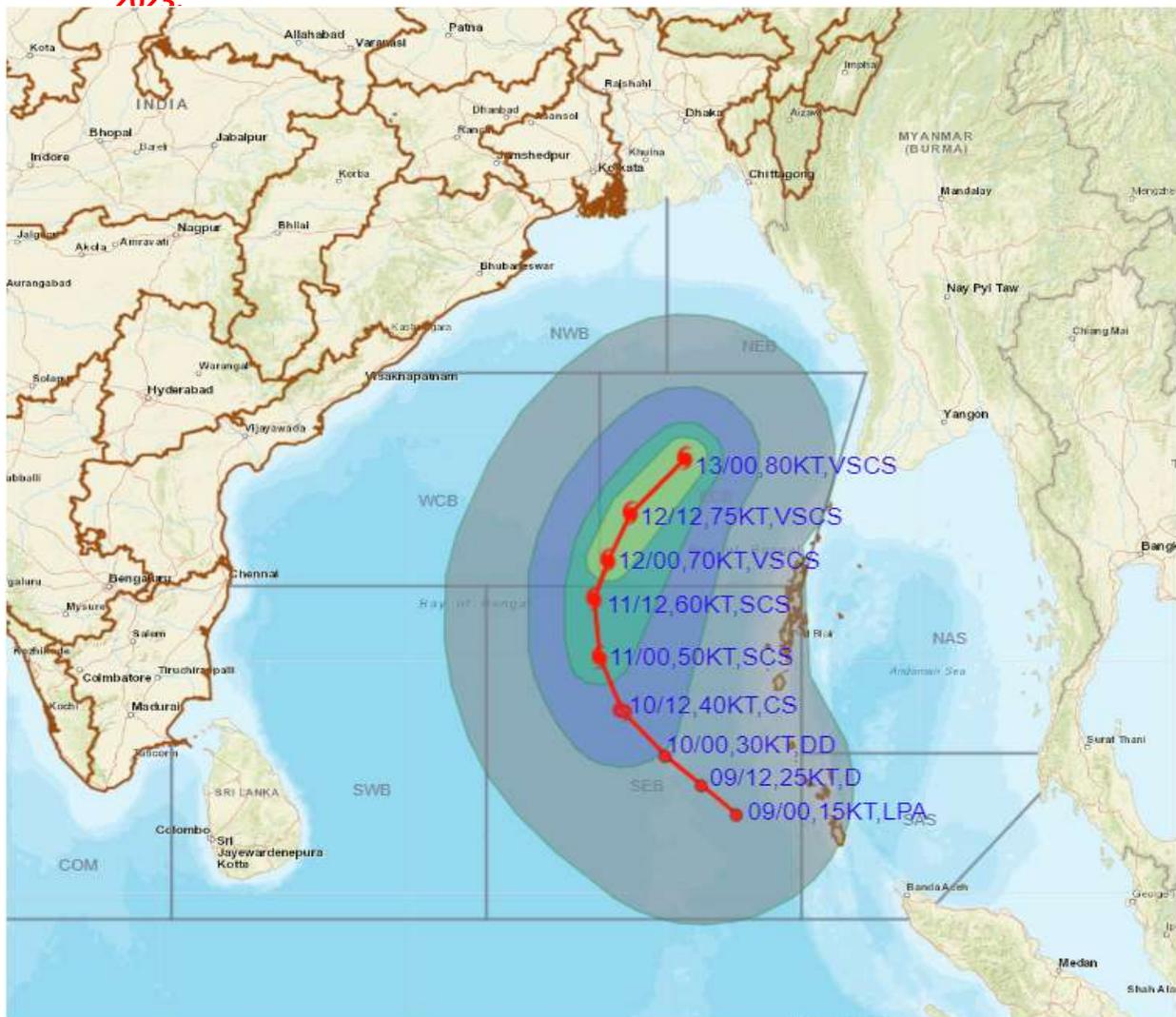
FORECAST TRACK



CONE OF UNCERTAINTY



PRE-GENESIS TRACK FORECAST ALONGWITH QUADRANT WIND DISTRIBUTION FOR WELL MARKED LOW PRESSURE AREA OVER SOUTHEAST BAY OF BENGAL AND ADJOINING SOUTH ANDAMAN SEA BASED ON 0000 UTC (0530 IST) OF 09TH MAY 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)
 VSQS: 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
 AREA OF MAXIMUM SUSTAINED WIND SPEED:
 ■ 28-33 KT (52-61 KMPH)
 ■ 34-49 KT (62-91 KMPH)
 ■ 50-63 KT (92-117 KMPH)
 ■ ≥ 64 KT (≥118 KMPH)

IMPACT OVER THE SEA

MSW (knot/kmph)	Impact	Action
28-33 (52-61)	Very rough seas	Total suspension of fishing operations
34-49 (62-91)	High to very high seas	Total suspension of fishing operations
50-63 (92-117)	Very high seas	Total suspension of fishing operations
≥ 64 (≥118)	Phenomenal	Total suspension of fishing operations



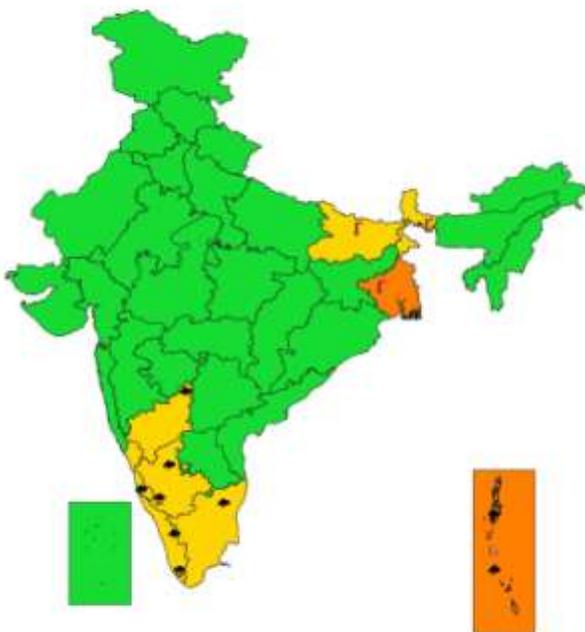
SUBDIVISIONWISE WEATHER WARNING FOR DAY 1
(9-5-2023)



- | | | |
|-----------------------------|------------------------|--------------------------|
| Subdivision Warning | Dust Storm | Subdivision color |
| ☁ Heavy Rain | 🌪 Strong Surface Winds | 🟢 NO WARNING |
| ❄ Heavy Snow | 🔥 Heat Wave | 🟡 WATCH (BE UPDATED) |
| ⚡ Thunderstorms & Lightning | ❄ Cold wave | 🟠 ALERT (BE PREPARED) |
| 🌨 Hailstorm | 🌫 Fog | 🔴 WARNING (TAKE ACTION) |



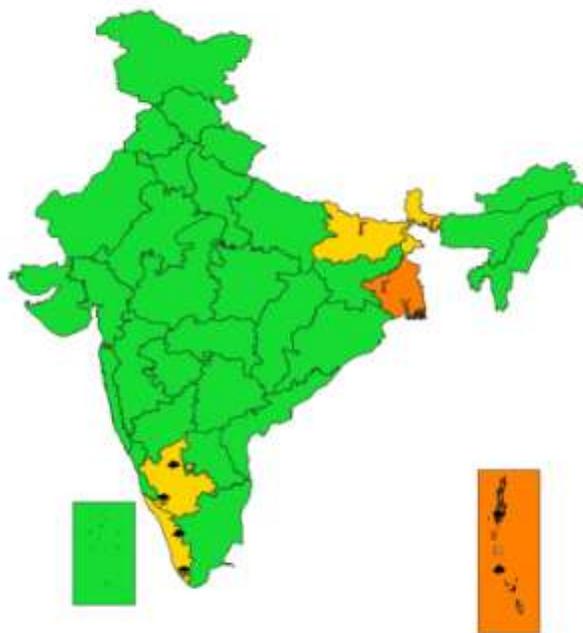
SUBDIVISIONWISE WEATHER WARNING FOR DAY 2
(10-5-2023)



- | | | |
|-----------------------------|------------------------|--------------------------|
| Subdivision Warning | Dust Storm | Subdivision color |
| ☁ Heavy Rain | 🌪 Strong Surface Winds | 🟢 NO WARNING |
| ❄ Heavy Snow | 🔥 Heat Wave | 🟡 WATCH (BE UPDATED) |
| ⚡ Thunderstorms & Lightning | ❄ Cold wave | 🟠 ALERT (BE PREPARED) |
| 🌨 Hailstorm | 🌫 Fog | 🔴 WARNING (TAKE ACTION) |



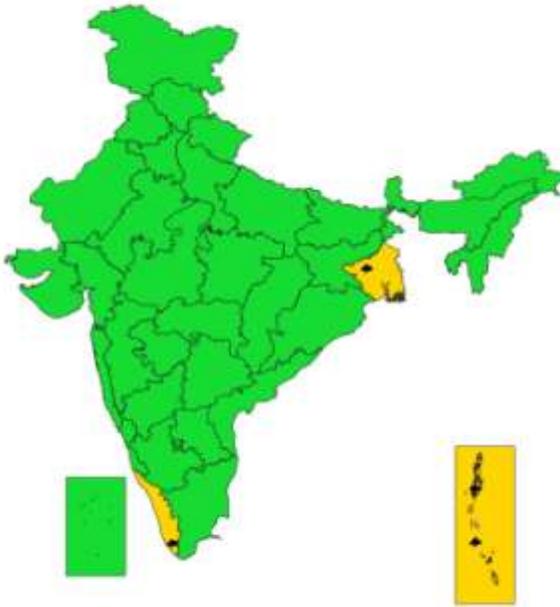
SUBDIVISIONWISE WEATHER WARNING FOR DAY 3
(11-5-2023)



- | | | |
|-----------------------------|------------------------|--------------------------|
| Subdivision Warning | Dust Storm | Subdivision color |
| ☁ Heavy Rain | 🌪 Strong Surface Winds | 🟢 NO WARNING |
| ❄ Heavy Snow | 🔥 Heat Wave | 🟡 WATCH (BE UPDATED) |
| ⚡ Thunderstorms & Lightning | ❄ Cold wave | 🟠 ALERT (BE PREPARED) |
| 🌨 Hailstorm | 🌫 Fog | 🔴 WARNING (TAKE ACTION) |



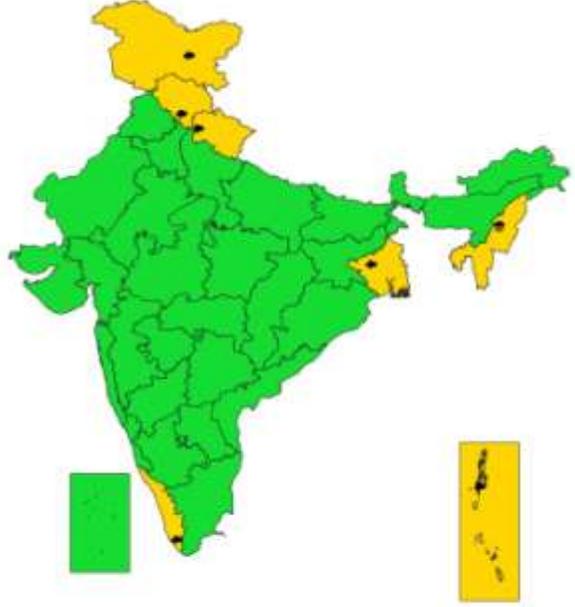
**SUBDIVISIONWISE WEATHER WARNING FOR DAY 4
(12-5-2023)**



- | | | |
|-----------------------------|------------------------|--------------------------|
| Subdivision Warning | Dust Storm | Subdivision color |
| ☁ Heavy Rain | 🌪 Strong Surface Winds | 🟢 NO WARNING |
| ❄ Heavy Snow | 🔥 Heat Wave | 🟡 WATCH (BE UPDATED) |
| ⚡ Thunderstorms & Lightning | ❄ Cold wave | 🟠 ALERT (BE PREPARED) |
| ☁️ Hailstorm | 🌫 Fog | 🔴 WARNING (TAKE ACTION) |



**SUBDIVISIONWISE WEATHER WARNING FOR DAY 5
(13-5-2023)**



- | | | |
|-----------------------------|------------------------|--------------------------|
| Subdivision Warning | Dust Storm | Subdivision color |
| ☁ Heavy Rain | 🌪 Strong Surface Winds | 🟢 NO WARNING |
| ❄ Heavy Snow | 🔥 Heat Wave | 🟡 WATCH (BE UPDATED) |
| ⚡ Thunderstorms & Lightning | ❄ Cold wave | 🟠 ALERT (BE PREPARED) |
| ☁️ Hailstorm | 🌫 Fog | 🔴 WARNING (TAKE ACTION) |

Fishermen warning graphics

