



**Government of India
Ministry of Earth Sciences
India Meteorological Department**

**Press Release
Date: 03rd March, 2022
Time of Issue: 1300 hrs IST**

**Subject: (i) Depression over southwest Bay of Bengal & adjoining Equatorial Indian Ocean.
(ii) Wet spell over Western Himalayan Region & adjoining plains of Northwest India.**

(i) Depression over southwest Bay of Bengal & adjoining Equatorial Indian Ocean.

Yesterday's Low Pressure Area over Central parts of South Bay of Bengal & adjoining Equatorial Indian Ocean has concentrated into a depression over southwest Bay of Bengal & adjoining Equatorial Indian Ocean at 0530 hours IST of today, the 3rd March, 2022. It lies over same region at 0830 hrs IST of today, the 3rd March 2022, near latitude 5.6°N and longitude 83.7°E, about 420 km south-southeast of Trincomalee (Sri Lanka), 760 km south-southeast of Nagappattinam (Tamil Nadu), 820 km south-southeast of Puducherry (Tamil Nadu) and about 900 km south-southeast of Chennai (Tamil Nadu). It is likely to intensify further into a Deep Depression during next 24 hours. It is likely to move northwestwards along and off east coast of Sri Lanka towards north Tamil Nadu Coast during next 48 hours. Under its influence:

Rainfall forecast & Warnings (warning graphics enclosed):

- ✓ Light to moderate rainfall/thunder shower at a few places likely over coastal Tamil Nadu, Puducherry & Karaikal on 03rd March, 2022.
- ✓ Light to moderate rainfall/thunder shower at many places with **isolated heavy rainfall** likely over coastal Tamil Nadu, Puducherry & Karaikal; light to moderate rainfall/thundershower at a few places likely over south coastal Andhra Pradesh and Rayalaseema on 04th March, 2022.
- ✓ Light to moderate rainfall/thundershower at most places with **heavy to very heavy rainfall** at isolated places very likely over north coastal Tamil Nadu, Puducherry & Karaikal; light to moderate rainfall/thunder shower at many places with **isolated heavy falls** very likely over south coastal Andhra Pradesh and Rayalaseema on 05th & 06th March, 2022.
- ✓ Light to moderate rainfall/thundershower at most places with **heavy to very heavy rainfall** at isolated places very likely over north Tamil Nadu, Puducherry & Karaikal and **isolated heavy falls** very likely over south coastal Andhra Pradesh and Rayalaseema on 07th March, 2022.

Wind warning (warning graphics enclosed):

✓ Squally winds speed reaching 45-55 kmph gusting to 65 kmph are very likely to prevail over Southwest & adjoining Westcentral Bay of Bengal, Gulf of Mannar and along & off Tamil Nadu, Puducherry coasts. Squally winds speed reaching 40-50 kmph gusting to 60 kmph are very likely over Equatorial Indian Ocean on 03rd March, 2022.

✓ Squally winds speed would gradually increase becoming 50-60 kmph gusting to 70 kmph over Southwest & adjoining Westcentral Bay of Bengal, Gulf of Mannar and along & off north Tamil Nadu, Puducherry & South Andhra Pradesh coasts on 04th & 05th March, 2022.

✓ Squally winds speed reaching 40-50 kmph gusting to 60 kmph are very likely to prevail over Westcentral & adjoining Southwest Bay of Bengal and along & off north Tamil Nadu, Puducherry and south Andhra Pradesh coasts on 06th March, 2022.

Sea condition:

✓ Sea condition will be rough to very rough over Southwest & adjoining westcentral Bay of Bengal, Gulf of Mannar and Comorin area and along & off Tamil Nadu, Puducherry & south Andhra Pradesh coasts during 3rd – 6th March. Sea condition will be rough to very rough over adjoining Equatorial Indian Ocean on 3rd March, 2022.

Fishermen Warning:

✓ Fishermen are advised not to venture into Southwest & adjoining Westcentral Bay of Bengal, adjoining Equatorial Indian Ocean, Gulf of Mannar, Comorin area and along & off Tamil Nadu, Puducherry and south Andhra Pradesh coasts till 6th March, 2022.

(ii) Wet spell over Western Himalayan Region & adjoining plains of Northwest India.

1. The Western Disturbance as a cyclonic circulation lies over north Pakistan & neighbourhood in lower & middle tropospheric levels and an induced cyclonic circulation lies over West Rajasthan & neighbourhood in lower tropospheric levels. Under their influence:

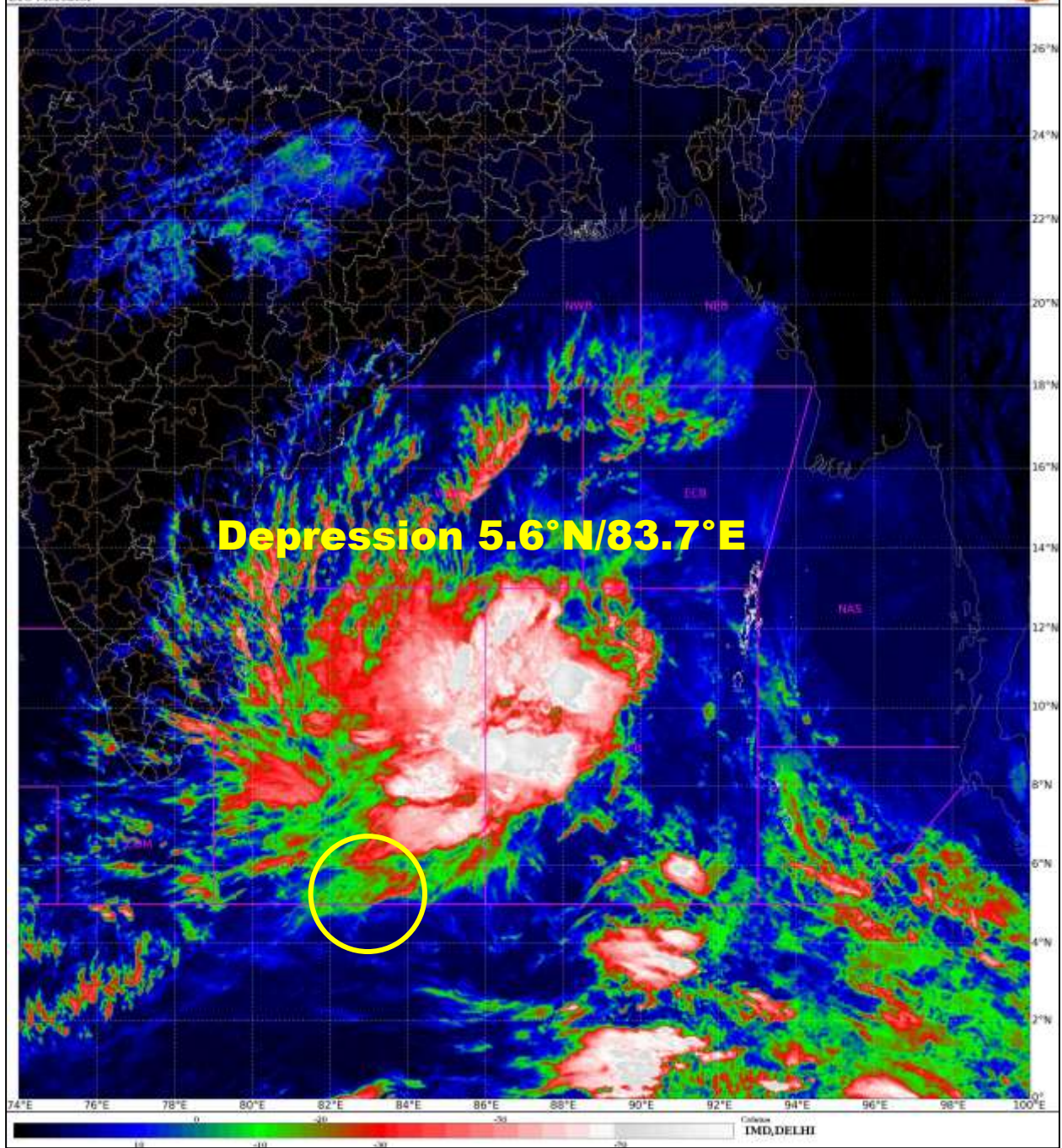
- Fairly widespread to widespread light/moderate rainfall/snowfall with isolated **thunderstorm/lightning** very likely over Jammu-Kashmir-Ladakh-Gilgit-Baltistan-Muzaffarabad & Himachal Pradesh and Uttarakhand during next 24 hours.

- Isolated light rainfall very likely over Punjab, Haryana-Chandigarh and West Uttar Pradesh during next 24 hours.

- **Strong surface Winds (speed 25-35 kmph)** very likely to prevail over Haryana-Chandigarh-Delhi & Rajasthan on 04th March and over most parts of plains of northwest India on 05th March, 2022.

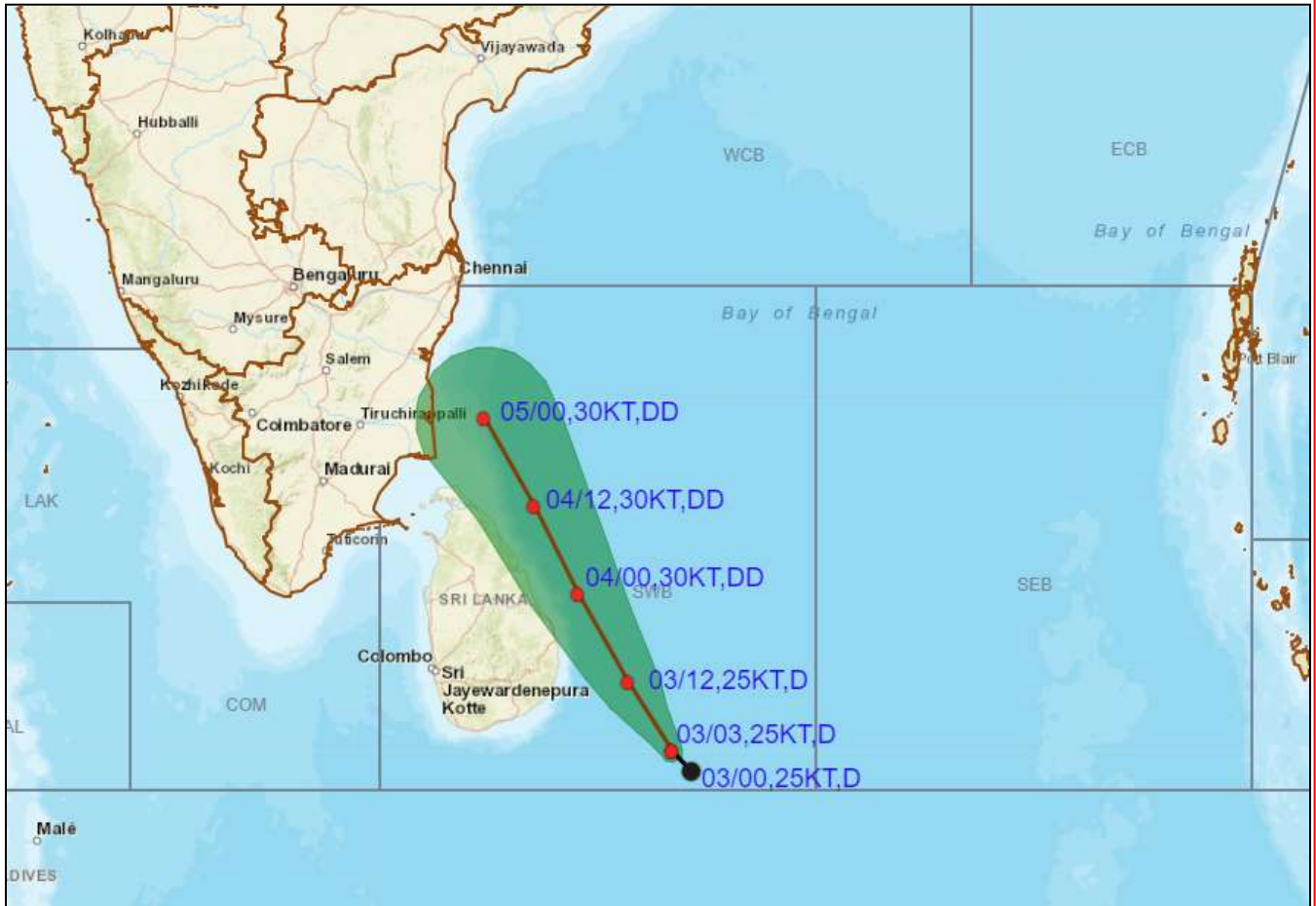
2. A fresh Western Disturbance is very likely to cause isolated to scattered rainfall/snowfall on 05th and fairly widespread to widespread light/moderate rainfall/snowfall over Jammu-Kashmir-Ladakh-Gilgit-Baltistan-Muzaffarabad & Himachal Pradesh; and isolated rainfall/snowfall over Uttarakhand on 06th & 07th March, 2022. **Isolated heavy rainfall** is also very likely over Jammu-Kashmir-Ladakh-Gilgit-Baltistan-Muzaffarabad on 06th March, 2022. Under influence of induced cyclonic circulation; isolated light rainfall likely over adjoining plains on 06th & 07th March, 2022.

For more details refer: https://mausam.imd.gov.in/imd_latest/contents/subdivisionwise-warning.php





OBSERVED AND FORECAST TRACK ALONGWITH CONE OF UNCERTAINTY OF DEPRESSION OVER SOUTHWEST BAY OF BENGAL AND ADJOINING EQUATORIAL INDIAN OCEAN BASED ON 0300 UTC OF 3RD MARCH, 2022

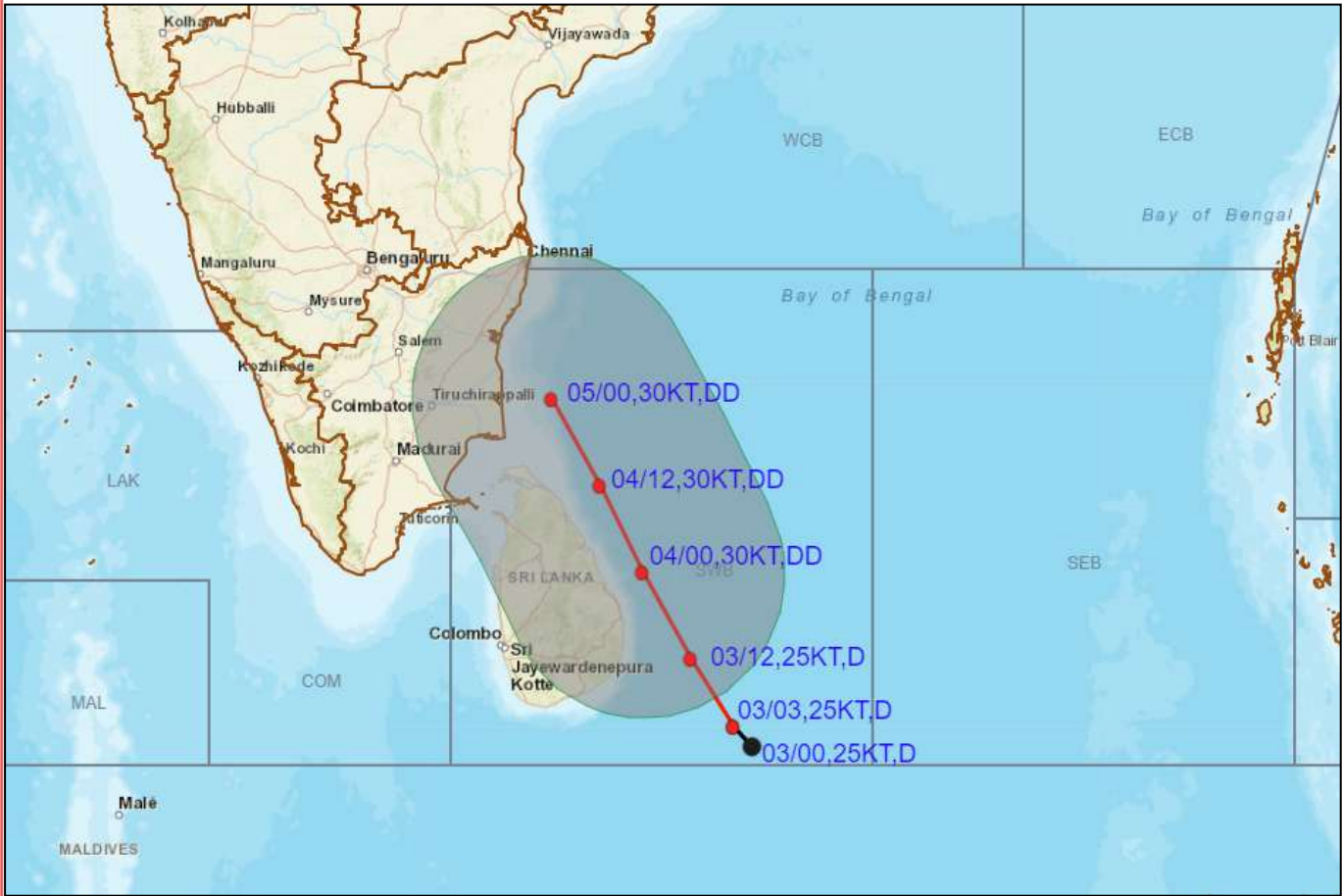


DATE/TIME IN UTC
 IST=UTC + 0530
 L: LOW PRESSURE AREA
 WML: WELL MARKED LOW PRESSURE AREA
 D: DEPRESSION (17-27 KT)
 DD: DEEP DEPRESSION (28-33 KT)
 CS: CYCLONIC STORM (34-47 KT)
 SCS: SEVERE CYCLONIC STORM (48-63KT)
 VSCS: VERY SEVERE CYCLONIC STORM (64-89 KT)
 ESCS: EXTREMELY SEVERE CYCLONIC STORM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

- LESS THAN 34 KT
- 34-47 KT
- \geq 48 KT
- OBSERVED TRACK
- FORECAST TRACK
- CONE OF UNCERTAINTY



OBSERVED AND FORECAST TRACK ALONGWITH QUADRANT WIND DISTRIBUTION OF DEPRESSION OVER SOUTHWEST BAY OF BENGAL AND ADJOINING EQUATORIAL INDIAN OCEAN BASED ON 0300 UTC OF 3RD MARCH, 2022

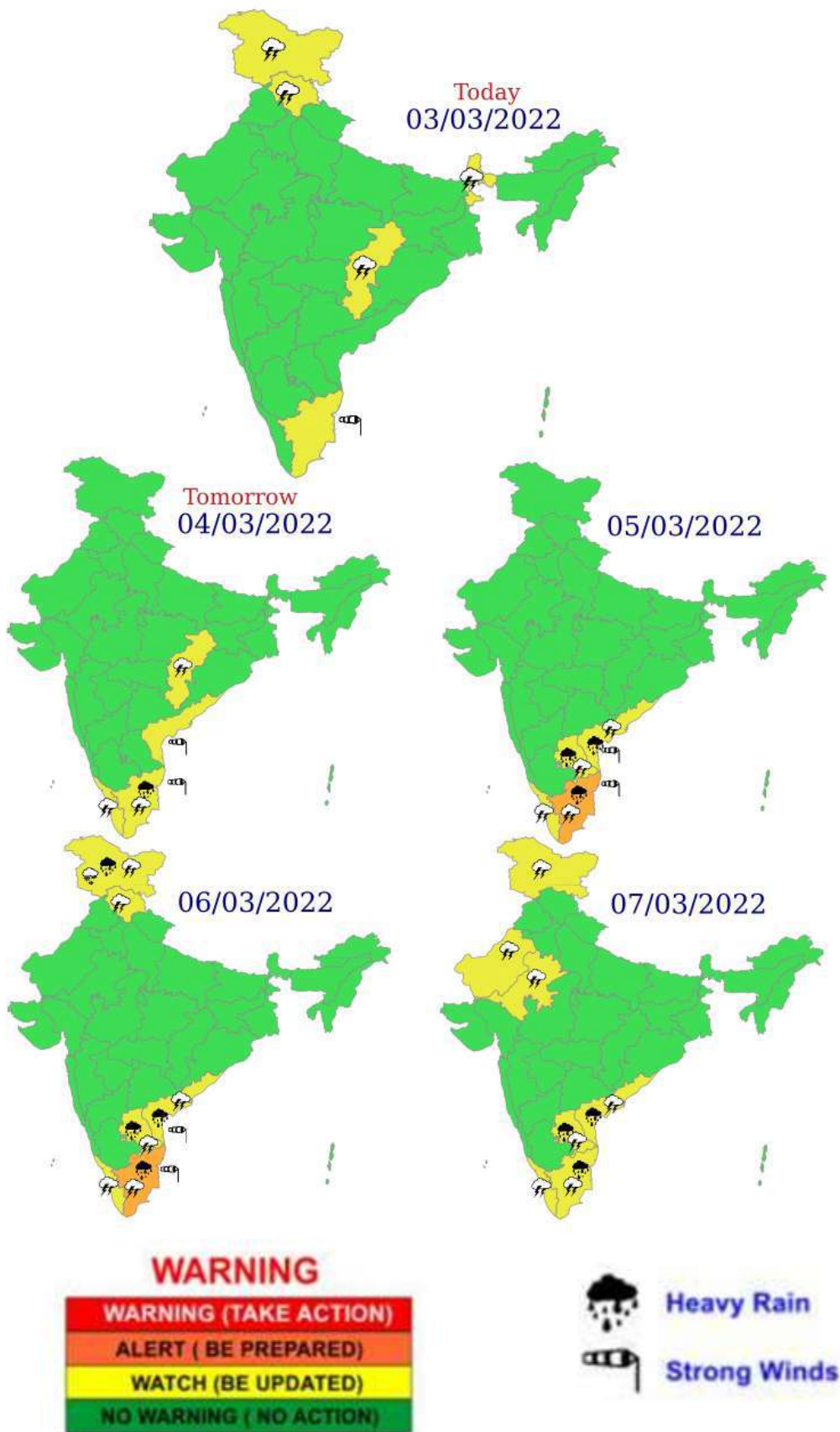


DATE/TIME IN UTC
 IST=UTC + 0530
 L: LOW PRESSURE AREA
 WML: WELL MARKED LOW PRESSURE AREA
 D: DEPRESSION (17-27 KT)
 DD: DEEP DEPRESSION (28-33 KT)
 CS: CYCLONIC STORM (34-47 KT)
 SCS: SEVERE CYCLONIC STORM (48-63KT)
 VSCS: VERY SEVERE CYCLONIC STORM (64-89 KT)
 ESCS: EXTREMELY SEVERE CYCLONIC STORM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

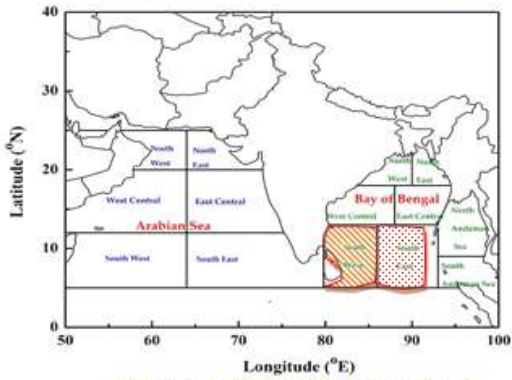
MSW (knot/kmph)	Impact	Action
28-33 (52-61)	Very rough seas	Total suspension of fishing operations
34-49 (62-91)	High to very high seas	Total suspension of fishing operations
50-63 (92-117)	Very high seas	Total suspension of fishing operations
≥ 64 (≥118)	Phenomenal	Total suspension of fishing operations



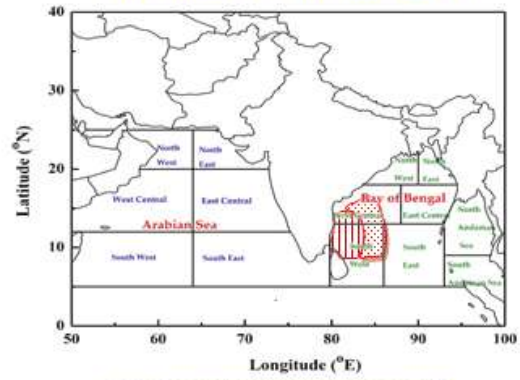
Weather Warning for India

**INDIA METEOROLOGICAL DEPARTMENT
FISHERMEN WARNING FOR BAY OF BENGAL AND ARABIAN SEA**

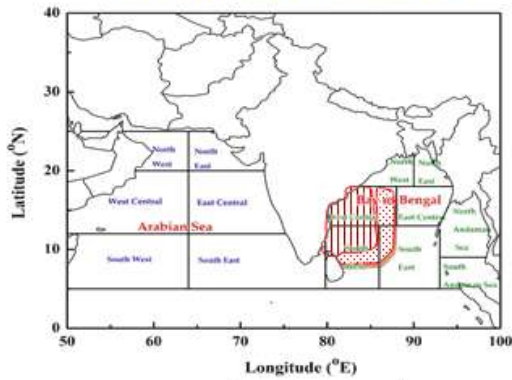
DAY-1: 03.03.2022/0600 UTC TO 04.03.2022/0600 UTC



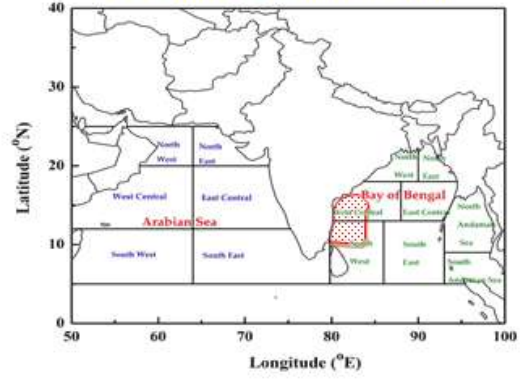
DAY-2: 04.03.2022/0600 UTC TO 05.03.2022/0600 UTC



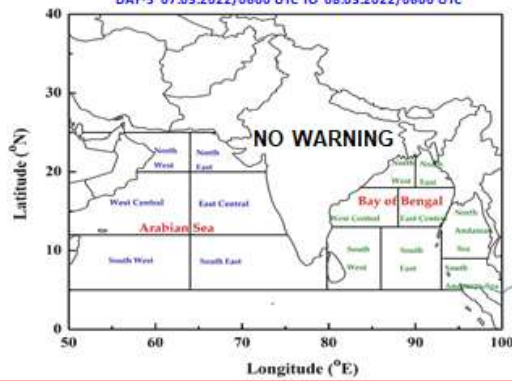
DAY-3: 05.03.2022/0600 UTC TO 06.03.2022/0600 UTC










DAY-4: 06.03.2022/0600 UTC TO 07.03.2022/0600 UTC



DAY-5: 07.03.2022/0600 UTC TO 08.03.2022/0600 UTC



AREA UNDER FISHERMEN WARNING

-  40-50 KMPH GUSTING TO 60 KMPH (STRONG WIND)
-  40-50 KMPH GUSTING TO 60 KMPH (SQUALLY WEATHER)
-  45-55 KMPH GUSTING TO 65 KMPH
-  50-60 KMPH GUSTING TO 80 KMPH
-  70-80 KMPH GUSTING TO 90 KMPH
-  80-90 KMPH GUSTING TO 95 KMPH
-  90-100 KMPH GUSTING TO 110 KMPH

Fishermen Warning for North Indian Ocean

Expected impact & action suggested due to very heavy rainfall over north coastal Tamilnadu-Puducherry-Karaikal on 05th & 06th March, 2022.

Impact Expected

- Localized Flooding of roads, inundation and water logging in low lying areas and closure of underpasses mainly in urban areas of the above region.
- Occasional reduction in visibility due to heavy rainfall.
- Disruption of traffic in major cities due to water logging in roads leading to increased travel time.
- Minor damage to kutcha roads.
- Possibilities of damage to vulnerable structure.
- Localized Landslides/Mudslides
- Damage to horticulture and standing crops in some areas due to inundation.
- It may lead to riverine flooding in some river catchments (for riverine flooding please visit Web page of CWC)

Action Suggested

- Check for traffic congestion on your route before leaving for your destination.
- Follow any traffic advisories that are issued in this regard.
- Avoid going to areas that face the water logging problems often.
- Avoid staying in vulnerable structure.

Legends:

Heavy Rain: 64.5 to 115.5 mm; **Very Heavy Rain:** 115.6 to 204.4 mm; **Extremely Heavy Rain:** >204.4 mm.

Region wise classification of meteorological Sub-Divisions:

- 1) **Northwest India:** Western Himalayan Region (Jammu-Kashmir-Ladakh-Gilgit-Baltistan-Muzaffarabad, Himachal Pradesh and Uttarakhand); Punjab, Haryana-Chandigarh-Delhi; West Uttar Pradesh, East Uttar Pradesh, West Rajasthan and East Rajasthan.
- 2) **Central India:** West Madhya Pradesh, East Madhya Pradesh, Vidarbha and Chhattisgarh.
- 3) **East India:** Bihar, Jharkhand, Sub-Himalayan West Bengal & Sikkim; Gangetic West Bengal, Odisha and Andaman & Nicobar Islands.
- 4) **Northeast India:** Arunachal Pradesh, Assam & Meghalaya and Nagaland, Manipur, Mizoram & Tripura.
- 5) **West India:** Gujarat Region, Saurashtra & Kutch, Konkan & Goa, Madhya Maharashtra and Marathwada.
- 6) **South India:** Coastal Andhra Pradesh & Yanam, Telangana, Rayalaseema, Coastal Karnataka, North Interior Karnataka, South Interior Karnataka, Kerala & Mahe, Tamil Nadu, Puducherry & Karaikal and Lakshadweep.

SPATIAL DISTRIBUTION (% of Stations reporting)			
% Stations	Category	% Stations	Category
76-100	Widespread (WS/ Most Places)	26-50	Scattered (SCT/ A Few Places)
51-75	Fairly Widespread (FWS/ Many Places)	1-25	Isolated (ISOL)



WARNING	
WARNING (TAKE ACTION)	
ALERT (BE PREPARED)	
WATCH (BE UPDATED)	
NO WARNING (NO ACTION)	

Probabilistic Forecast	
Terms	Probability of Occurrence (%)
Unlikely	< 25
Likely	25 - 50
Very Likely	50 - 75
Most Likely	> 75

