



Government of India
Ministry of Earth Sciences
India Meteorological Department

Press Release
Date: 05th March, 2022
Time of Issue: 1300 hrs IST

Subject: (i) Deep Depression over Southwest Bay of Bengal.
(ii) Wet spell over Western Himalayan Region & adjoining plains of Northwest India during 06th-07th and 09th-10th March, 2022.
(iii) Isolated/scattered light/moderate rainfall with isolated thunderstorm/lightning very likely over Maharashtra, Gujarat Region, East Rajasthan and West Madhya Pradesh during 07th-09th March, 2022.

(i) Deep Depression over southwest Bay of Bengal

The depression over Southwest Bay of Bengal moved north-northwestwards and intensified into a Deep Depression over the same region at 1730 hrs IST of yesterday, the 04th March, 2022. Continuing to move north-northwestwards it lay centered at 0830 hrs IST of 5th March 2022, over the same region near latitude 11.4°N and longitude 82.6°E, about 350 km north-northeast of Trincomalee (Sri Lanka), 310km east-northeast of Nagappattinam (Tamil Nadu), 300 km east-southeast of Puducherry (Tamil Nadu) and about 300 km southeast of Chennai (Tamil Nadu).

It is likely to move northwestwards till 5th March evening and then west-southwestwards towards north Tamil Nadu Coast during subsequent 36 hours.

Forecast track and intensity are given in the following table:

Date/Time(IST)	Forecast Lead Period	Position (Lat. °N/ long. °E)	Maximum sustained surface wind speed (kmph)	Category of cyclonic disturbance
05.03.22/0830	00	11.4/82.6	55-65 gusting to 75	Deep Depression
05.03.22/1730	12	11.8/82.4	55-65 gusting to 75	Deep Depression
06.03.22/0530	24	11.6/81.8	50-60 gusting to 70	Deep Depression
06.03.22/1730	36	11.3/81.3	45-55 gusting to 65	Depression
07.03.22/0530	48	10.8/80.6	35-45 gusting to 55	Depression

Warnings:

(i) Rainfall (warning graphics enclosed)

5th March- Light to moderate rainfall/thundershower at isolated likely over north coastal Tamil Nadu, Puducherry & Karaikal.

6th March – Light to moderate rainfall/thundershower at few places with heavy rainfall at isolated places is very likely over north coastal Tamil Nadu, Puducherry & Karaikal. Light to moderate rainfall/thunder shower at isolated places is very likely over south coastal Andhra Pradesh and Rayalaseema.

7th March: Light to moderate rainfall/thundershower at many places with heavy to very heavy rainfall at isolated places is very likely over coastal Tamil Nadu, Puducherry & Karaikal. Light to moderate rainfall/thunder shower with heavy falls at isolated places is very likely over south coastal Andhra Pradesh and Rayalaseema.

(ii) Wind warning

Squally winds speed reaching 55-65 kmph gusting to 75 kmph would prevail over Southwest & adjoining Westcentral Bay of Bengal, Gulf of Mannar and along & off north Tamil Nadu, Puducherry & South Andhra Pradesh coasts till 5th evening. The wind speed would decrease gradually becoming 50-60 kmph gusting to 70 kmph over the same region from 6th morning and becoming 45-55 kmph gusting to 65 kmph over the same region from evening of 6th March. It will further reduce becoming 35-45kmph gusting to 55kmph over the same region during 7th March.

(iii) 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 till 7th March morning.

(iv) Fishermen Warning (Graphics enclosed)

Fishermen are advised not to venture into Southwest & adjoining Westcentral Bay of Bengal, Gulf of Mannar, Comorin area and along & off Tamil Nadu, Puducherry and south Andhra Pradesh coasts till 7th March morning.

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

- A fresh Western Disturbance as a trough in middle & upper tropospheric westerlies runs roughly along Long.54°E to the north of Lat.30°N. Under its influence:
 - ✓ Fairly widespread to widespread light/moderate rainfall/snowfall with isolated **thunderstorm/lightning** very likely over Jammu-Kashmir-Ladakh-Gilgit-Baltistan-Muzaffarabad & Himachal Pradesh on 06th & 07th and isolated light/moderate rainfall/snowfall with **thunderstorm/lightning** over Uttarakhand on 07th March, 2022.
 - ✓ **Isolated heavy rainfall/snowfall is also very likely over Jammu-Kashmir-Ladakh-Gilgit-Baltistan-Muzaffarabad on 6th March 2022.**
 - ✓ Isolated light rainfall very likely over Punjab and Haryana-Chandigarh during 06th-07th March, 2022.
 - ✓ **Strong surface Winds (speed 25-35 kmph)** very likely to prevail over plains of northwest India on 05th March, 2022.

- Another Western Disturbance is very likely to affect Western Himalayan Region & adjoining plains from the night of 08th March, 2022. Under its influence:
 - ✓ Scattered to fairly widespread light/moderate rainfall/snowfall with isolated **thunderstorm/lightning** very likely over Jammu-Kashmir-Ladakh-Gilgit-Baltistan-Muzaffarabad & Himachal Pradesh and isolated light/moderate rainfall/snowfall with **thunderstorm/lightning** over Uttarakhand on 09th-10th March, 2022.

- ✓ Isolated light rainfall with **thunderstorm/lightning** very likely over Punjab, Haryana-Chandigarh and Rajasthan on 09th March, 2022.

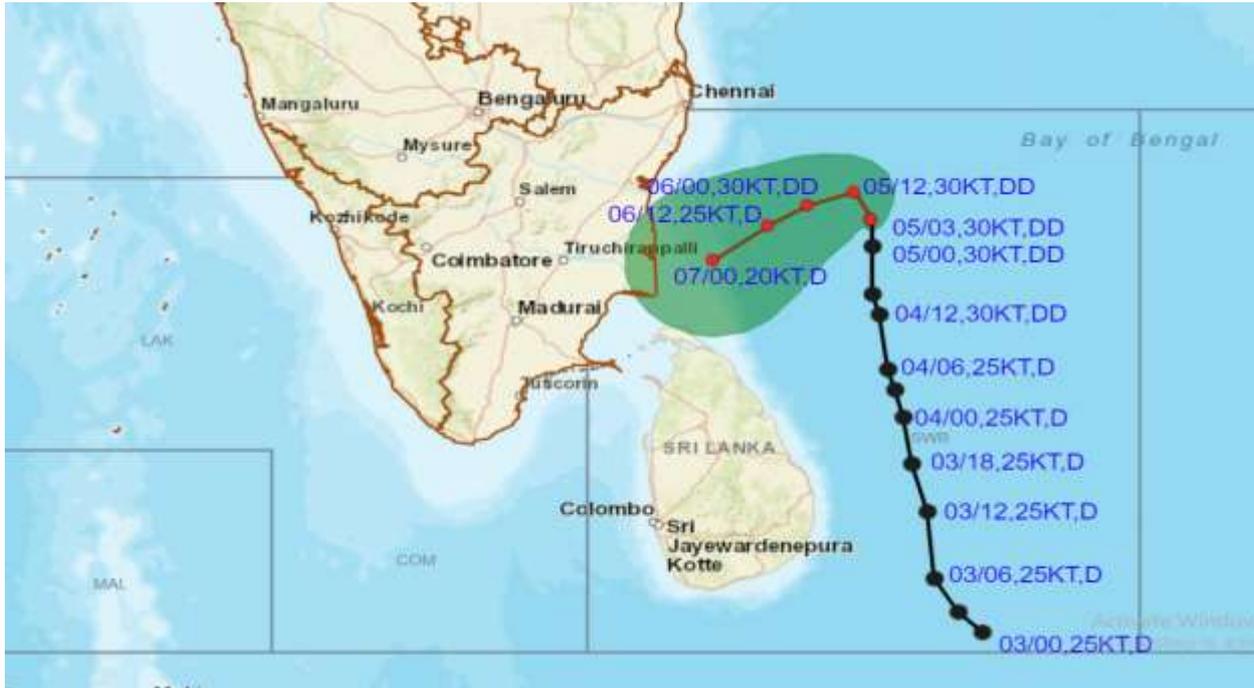
(iii) Under the influence of a trough in easterlies:

- ✓ Isolated/scattered light/moderate rainfall with isolated **thunderstorm/lightning** very likely over Maharashtra, Gujarat Region, East Rajasthan and West Madhya Pradesh during 07th-09th 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 DEEP DEPRESSION OVER SOUTHWEST BAY OF BENGAL BASED ON 0300 UTC OF



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

STATIONS	DISTANCE(KM) AND DIRECTION FROM STATIONS		
	05.03.22/0300	06.03.22/0000	07.03.22/0000
TRINCOMALEE	350,NNE	340,N	260,NNW
NAGAPATTINAM	310,ENE	230,ENE	80,E
PUDUCHERRY	300,ESE	220,E	160,SSE
CHENNAI	300,SE	230,SE	250,S

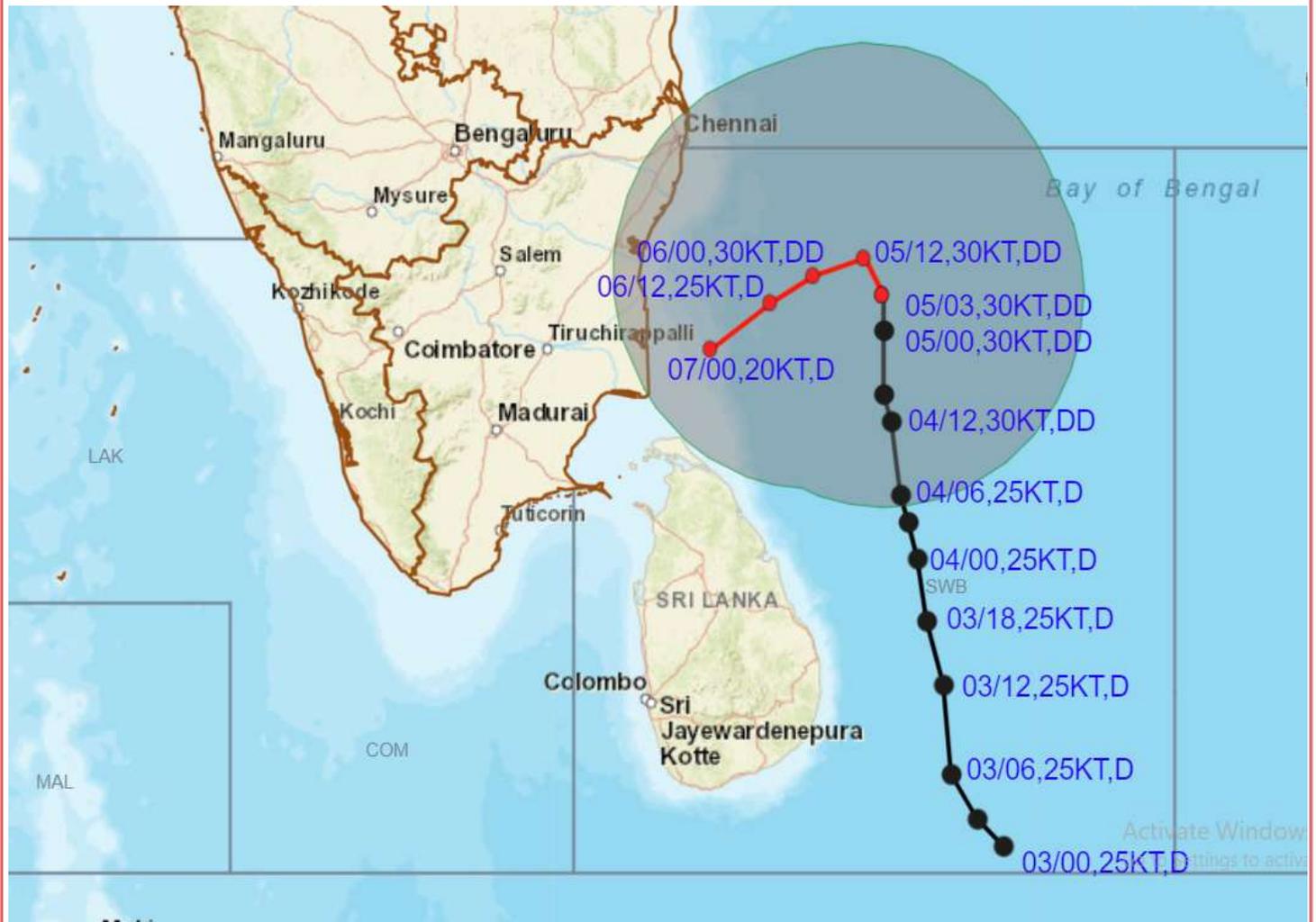
N:NORTH, NNE:NORTH-NORTHEAST, NE:NORTHEAST, ENE:EAST-NORTHEAST, E:EAST, SE:SOUTHEAST, SSE:SOUTH-SOUTHEAST, S:SOUTH, SSW:SOUTH-SOUTHWEST, SW:SOUTHWEST, WSW:WEST-SOUTHWEST, W:WEST, WNW:WEST-NORTHWEST, NW:NORTHWEST, NNW:NORTH-NORTHWEST

Forecast distance (km) and direction of the centre of system from nearest 5 coastal stations

Forecast Date/Time	Station 1	Station 2	Station 3	Station 4	Station 5
05.03.22/0300	Pudupattinam (290,ESE)	Tharangambadi (300,E)	Karaikal (310,E)	Kalapet (310,ESE)	Kottakuppam (310,ESE)
05.03.22/1200	Tharangambadi (260,ENE)	Karaikal (270,ENE)	Kalapet (270,E)	Kottakuppam (280,E)	Nagapattinam (280,ENE)
06.03.22/0000	Karaikal (210,ENE)	Kalapet (220,ESE)	Kottakuppam (220,E)	Nagapattinam (220,ENE)	Parangipettai (220,E)
06.03.22/1200	Kalapet (160,ESE)	Kottakuppam (170,ESE)	Nagapattinam (170,ENE)	Parangipettai (170,E)	Puducherry (170,ESE)
07.03.22/0000	Kottakuppam (80,SSE)	Nagapattinam (80,E)	Parangipettai (80,SE)	Puducherry (90,SSE)	Cuddalore (100,SE)



OBSERVED AND FORECAST TRACK ALONGWITH QUADRANT WIND DISTRIBUTION OF DEEP DEPRESSION OVER SOUTHWEST BAY OF BENGAL BASED ON 0300 UTC OF 5th MARCH, 2022



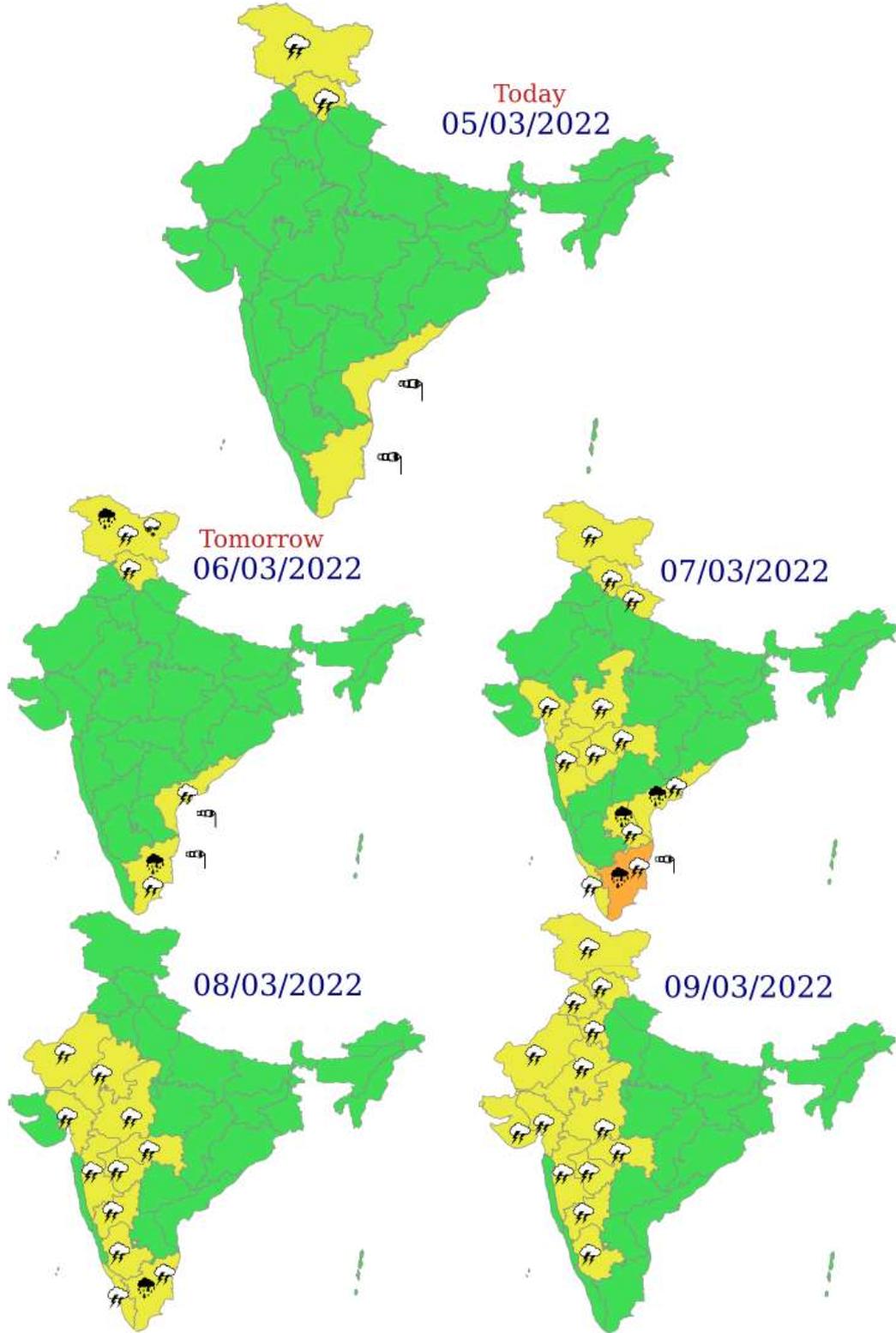
DATE/TIME IN UTC
 IST=UTC + 0530
 L: LOW PRESSURE AREA
 WML: WELL MARKED LOW PRESSURE AREA
 D: DEPRESSION (17-27 KT)
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 ESCS: EXTREMELY SEVERE CYCLONIC STORM (90-119 KT)
 SuCS: SUPER CYCLONIC STORM (≥ 120 KT)

● 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



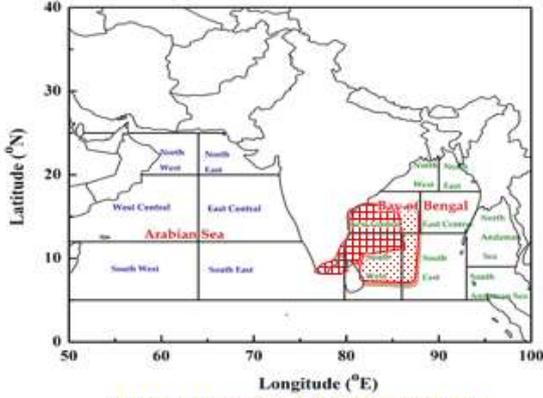
WARNING
WARNING (TAKE ACTION)
ALERT (BE PREPARED)
WATCH (BE UPDATED)
NO WARNING (NO ACTION)

 Heavy Rain
 Strong Winds

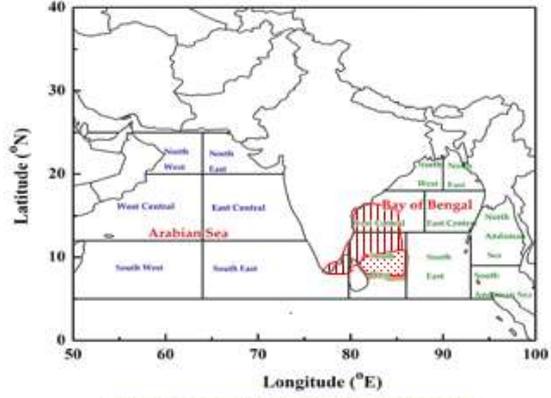
Fishermen Warning for North Indian Ocean

INDIA METEOROLOGICAL DEPARTMENT FISHERMAN WARNING FOR BAY OF BENGAL AND ARABIAN SEA

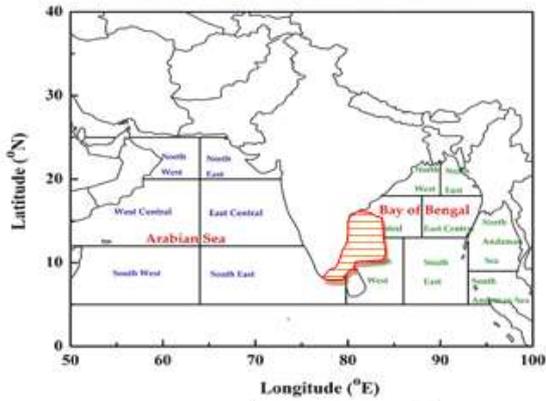
DAY-1: 05.03.2022/0600 UTC TO 06.03.2022/0600 UTC



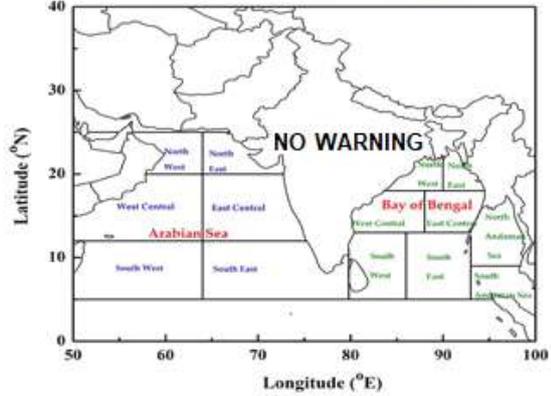
DAY-2: 06.03.2022/0600 UTC TO 07.03.2022/0600 UTC



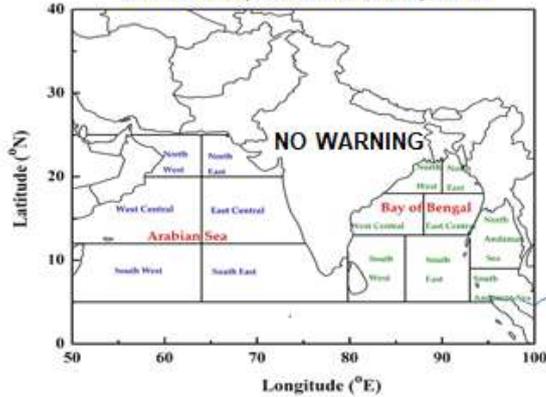
DAY-3: 07.03.2022/0600 UTC TO 08.03.2022/0600 UTC



DAY-4: 08.03.2022/0600 UTC TO 09.03.2022/0600 UTC



DAY-5: 09.03.2022/0600 UTC TO 09.03.2022/0600 UTC



AREA UNDER FISHERMEN WARNING

-  35-45 KMPH GUSTING TO 55 KMPH (STRONG WIND)
-  40-50 KMPH GUSTING TO 60 KMPH (STRONG WIND)
-  45-55 KMPH GUSTING TO 65 KMPH
-  50-60 KMPH GUSTING TO 70 KMPH
-  55-65 KMPH GUSTING TO 75 KMPH

**Expected impact & action suggested due to heavy/very heavy rainfall over north coastal
Tamilnadu-Puducherry-Karaikal on 06th & 07th 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)



Heavy Rain



Strong Winds



Thunderstorm with Lightning

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