



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

**Press Release
Date: 21st March, 2022
Time of Issue: 1245 hrs IST**

Subject:

- i) Deep Depression over north Andaman Sea and adjoining southeast Bay of Bengal: Pre cyclone watch for Andaman Islands and adjoining sea areas.**
- ii) No significant Heat Wave conditions likely over any part of the country.**

Weather observed during past 24 hours:

- ✓ **Maximum Temperatures** (as on 20/03/2022) recorded **40°C and above** in isolated places over West Rajasthan, Madhya Pradesh, Kutch, interior Odisha, Jharkhand, Marathwada and Telangana.
- ✓ The maximum temperatures were **above normal by 4.5°C** at many places over Jammu-Kashmir-Ladakh, Gilgit-Baltistan-Muzaffarabad, Himachal Pradesh, Uttarakhand, Punjab, Haryana-Chandigarh & Delhi and West Rajasthan; at a few places over west Madhya Pradesh, northeast Rajasthan and Assam & Meghalaya; at isolated places over East Uttar Pradesh, Bihar, Jharkhand, west Bengal & Sikkim and coastal Tamilnadu.
- ✓ Yesterday, **Heat Wave conditions** prevailed at a few pockets over West Rajasthan and Heat wave at isolated pockets over Uttarakhand & West Madhya Pradesh.
- ✓ **Light to moderate rainfall at most places with very Heavy rainfall** at isolated places observed over Andaman-Nicobar Islands. Significant rainfall amounts (in cm): **Andaman-Nicobar Islands-** Long Islands-13; Car Nicobar and Maya Bandar-4 each; Nancowry and Hut Bay-2 each.

Deep Depression over north Andaman Sea and adjoining southeast Bay of Bengal: Pre cyclone watch for Andaman Islands and adjoining sea areas:

The Deep Depression over north Andaman Sea and adjoining southeast Bay of Bengal, moved nearly northwards with a speed of 20 kmph during last 06 hours, and lay centered at 0830 hours IST of today, 21st March, over the same region, near latitude 12.3°N and longitude 93.8°E, about 140 km east-northeast of Port Blair (Andaman Islands), 120 km southeast of Mayabundar (Andaman Islands) and 560 km south-southwest of Yangon (Myanmar).

It is likely to intensify further into a cyclonic storm during next 12 hrs. It would continue to move nearly northwards along & off Andaman Islands towards Myanmar coast during next 48 hrs and cross Myanmar coast between latitude 18°N & 19°N around Thandwe (Myanmar) during early hours of 23rd March.

Warnings:

(i) Rainfall (warning graphics enclosed)

21st March: Light to moderate rainfall/thundershower at most places with **heavy to very heavy rainfall at isolated places during next 12 hours** is very likely over north Andaman Islands and **heavy rainfall at isolated places** over South Andaman Islands. Light to moderate rainfall at a few places is likely over Nicobar Islands.

(ii) Wind warning:

21st March: Squally winds speed reaching 55-65 kmph gusting to 75 kmph prevails over Andaman and Nicobar Islands, eastcentral Bay of Bengal and adjoining southeast Bay of Bengal. It would gradually increase becoming Gale winds speed reaching 65-75 kmph gusting to 85 kmph over the region from evening of today, 21st March.

22nd March: Gale winds speed reaching 65-75 kmph gusting to 85 kmph very likely to prevail over eastcentral Bay of Bengal and adjoining north Andaman Sea & along & off Myanmar coast. It is likely to weaken gradually becoming squally winds speed reaching 55-65 kmph gusting to 75 kmph over the same region from 22nd evening. Squally wind speed reaching 40-50 kmph gusting to 60 kmph is likely to prevail over north Andaman Islands and adjoining southeast Bay of Bengal, northeast Bay of Bengal and along & off southeast Bangladesh coast.

23rd March: Squally wind speed reaching 40-50 kmph gusting to 60 kmph is likely to prevail over eastcentral Bay of Bengal, adjoining northeast Bay of Bengal and along & off north Myanmar - southeast Bangladesh coasts till evening.

(iii) Sea condition

21st March: Sea condition is very likely to remain very rough till evening and become very rough to high thereafter over north Andaman Sea and adjoining southeast & eastcentral Bay of Bengal.

22nd March: Sea condition is very likely to become very rough to high over eastcentral Bay of Bengal and north Andaman Sea and along & off Myanmar coast. It would be rough to very rough over adjoining southeast & northeast Bay of Bengal and along & off southeast Bangladesh coast during the same period.

23rd March: Sea condition is very likely to be rough to very rough over eastcentral Bay of Bengal, North Andaman Sea and adjoining northeast Bay of Bengal & along & off north Myanmar- southeast Bangladesh coasts till evening.

(iv) Fishermen Warning (Graphics enclosed)

Fishermen are advised not to venture

- Into southeast Bay of Bengal on 21st March.
- Into Andaman Sea and along & off Andaman and Nicobar Islands during 21st to 22nd March.
- Into eastcentral Bay of Bengal during 21st to 23rd March and into northeast Bay of Bengal on 22nd and 23rd March.

Forecast & Warnings for other parts of the country:

- ✓ Under the influence of a fresh Western Disturbance, isolated rainfall/snowfall with isolated thunderstorm/lightning very likely over Jammu & Kashmir, Ladakh, Gilgit-Baltistan & Muzaffarabad, Himachal Pradesh during 23rd & 24th and over Uttrakhand on 24th March.
- ✓ Light isolated/scattered rainfall with thunderstorm/lightning very likely over Kerala & Mahe, Tamilnadu, Puducherry & Karaikal, Rayalaseema, Coastal Andhra Pradesh and Karnataka during next 5 days.
- ✓ Light to moderate scattered/fairly widespread rainfall with thunderstorm/lightning very likely over Northeast India during next 5 days. Isolated heavy rainfall also very likely over Arunachal Pradesh on 21st, 24th & 25th March, 2022.

Maximum Temperature Forecast:

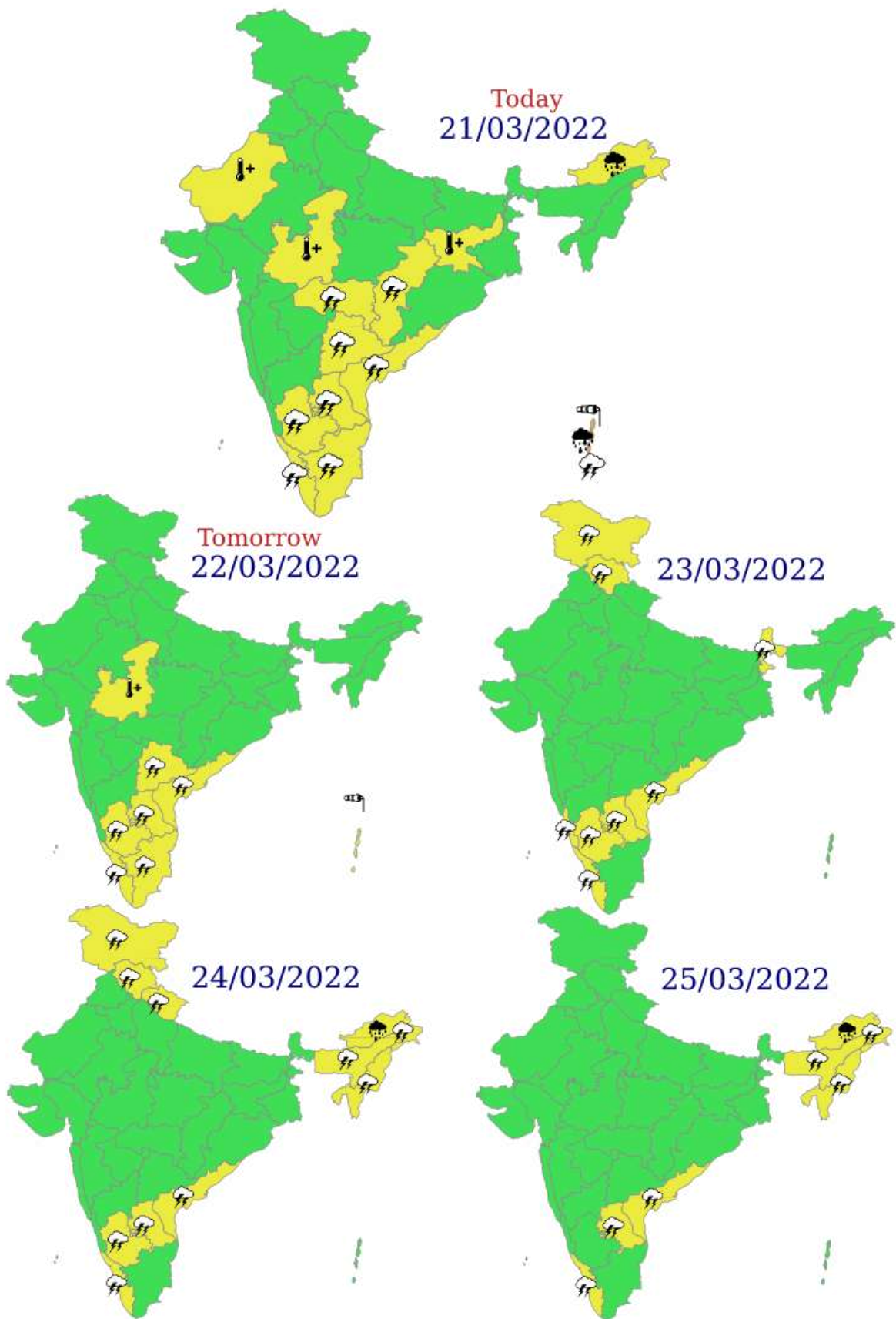
- ✓ Fall in maximum temperatures by 2-3^oC very likely over most parts of Western Himalayan Region during next 2 days and no significant change thereafter.
- ✓ No significant change in maximum temperatures very likely over rest parts of the country during next 4-5 days.

Heat Wave warning (Graphics enclosed):

- ✓ **Heat Wave conditions** very likely to prevail in isolated pockets over West Rajasthan and Jharkhand on 21st and over West Madhya Pradesh on 21st & 22nd March.
- ✓ **No significant heat wave conditions very likely** over rest parts of the country during next 4-5 days.

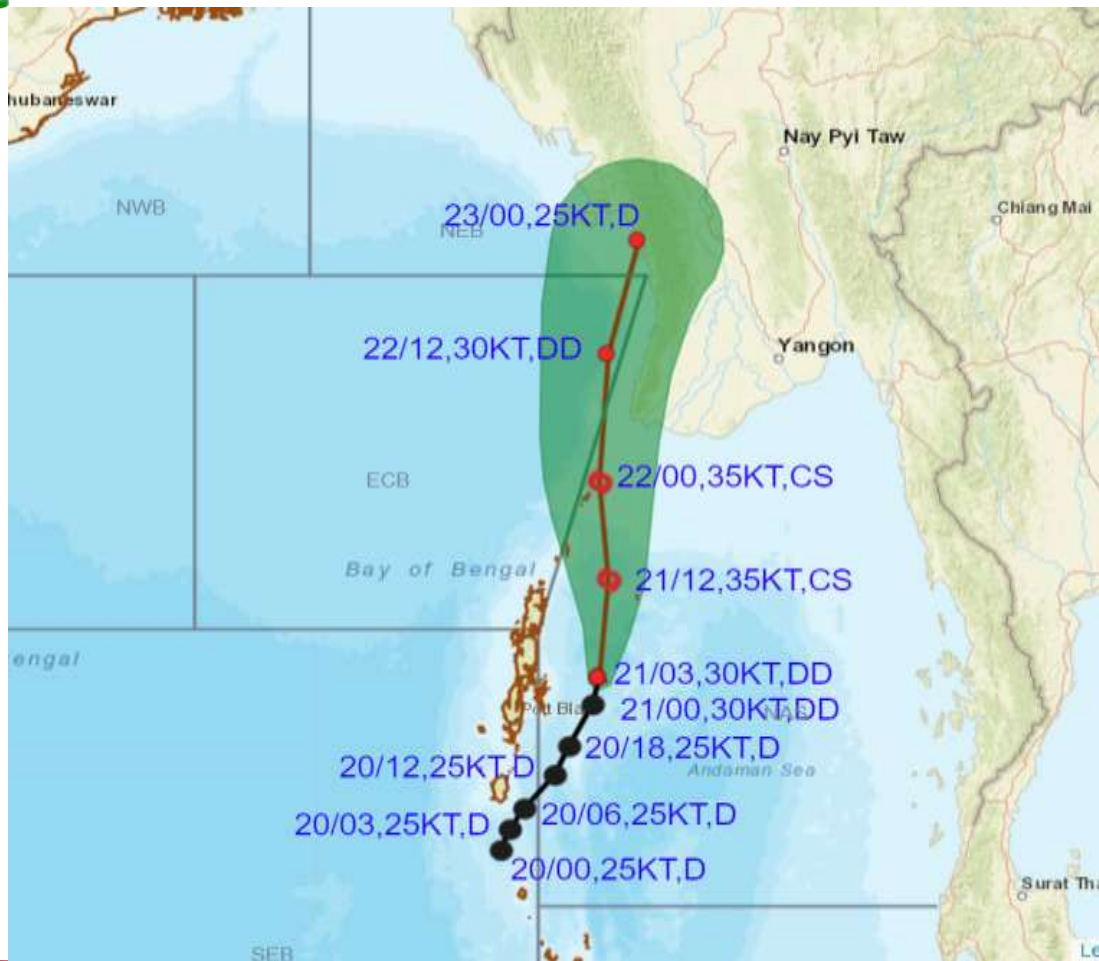
For more details refer:

https://mausam.imd.gov.in/imd_latest/contents/subdivisionwise-warning.php





OBSERVED AND FORECAST TRACK ALONGWITH CONE OF UNCERTAINTY OF DEEP DEPRESSION OVER NORTH ANDAMAN SEA AND ADJOINING SOUTHEAST BAY OF BENGAL BASED ON 0300 UTC OF 21ST 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)

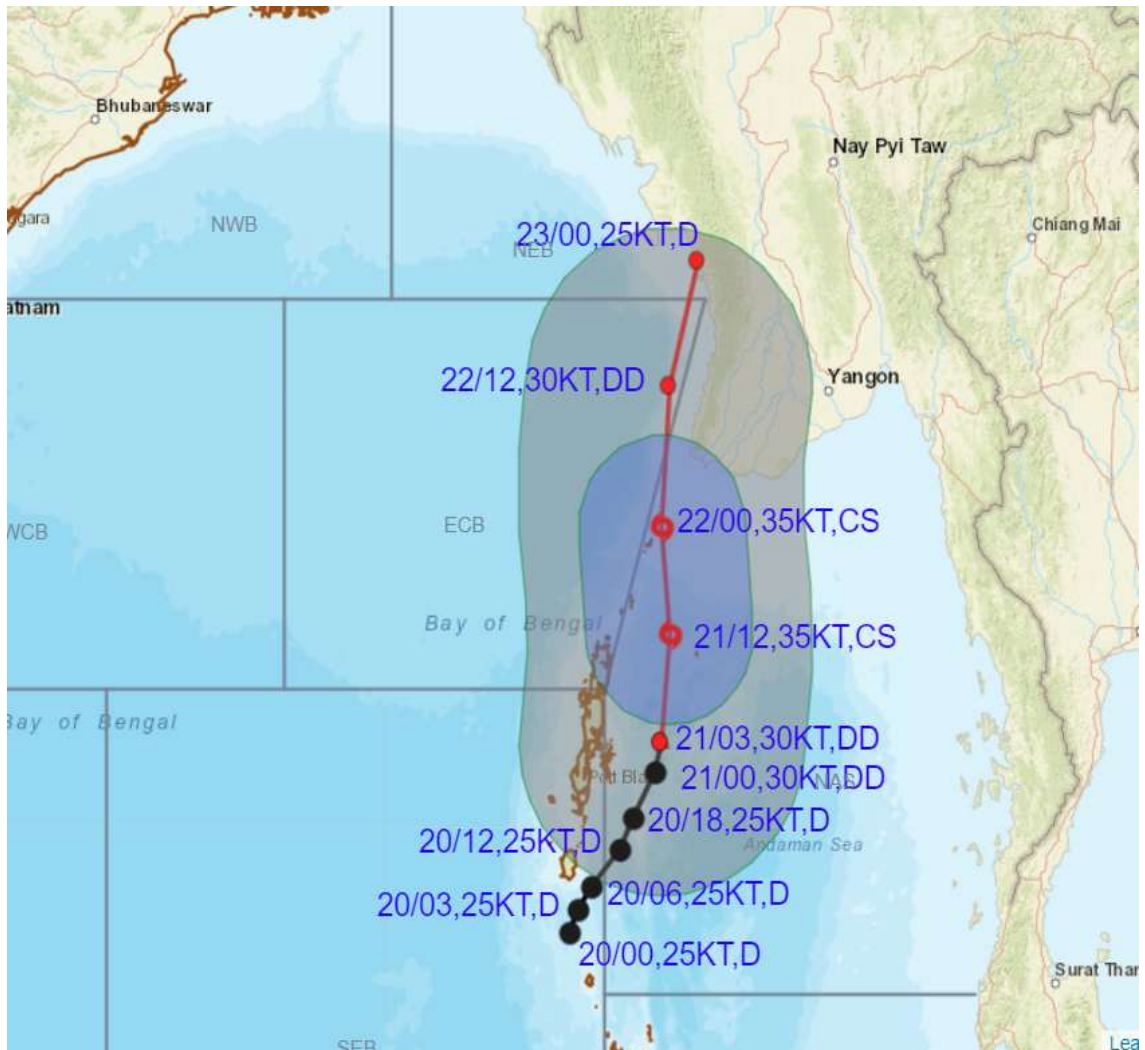
- LESS THAN 34 KT
- 34-47 KT
- \geq 48 KT
- OBSERVED TRACK
- FORECAST TRACK
- CONE OF UNCERTAINTY

STATIONS	DISTANCE(KM) AND DIRECTION FROM STATIONS		
	21.03.22/0300	22.03.22/0000	23.03.22/0000
Yangon	560,SSW	310,SW	280,NW
Carnicobar	370,NNE	670,N	1050,N
Hut bay	230,NE	520,NNE	900,NNE
Portblair	140,ENE	400,NNE	780,NNE
Maya bundar	120,SE	260,NNE	640,NNE

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



OBSERVED AND FORECAST TRACK ALONGWITH QUADRANT WIND DISTRIBUTION OF DEPRESSION OVER NORTH ANDAMAN SEA AND ADJOINING SOUTHEAST BAY OF BENGAL BASED ON 0300 UTC OF 21st 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)

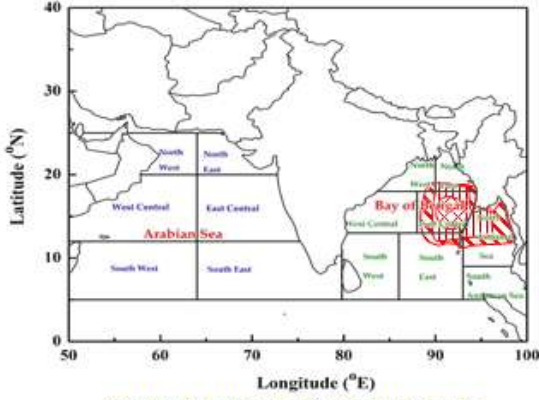
● LESS THAN 34 KT
 ⚡ 34-47 KT
 ⚡ ≥ 48 KT
 — OBSERVED TRACK
 — FORECAST TRACK
 ▲ CONE OF UNCERTAINTY
 AREA OF MAXIMUM SUSTAINED WIND SPEED:
 ■ 28-33 KT (52-61 KMPH)
 ■ 34-49 KT (62-91 KMPH)
 ■ 50-63 KT (92-117 KMPH)
 ■ ≥ 64 KT (≥118 KMPH)

IMPACT OVER THE SEA

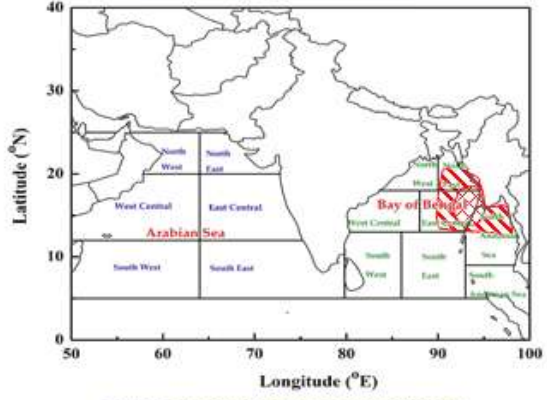
MSW (knot/kmph)	Impact	Action
28-33 (52-61)	Very rough seas	Total suspension of fishing operations
34-49 (62-91)	High to very high seas	Total suspension of fishing operations
50-63 (92-117)	Very high seas	Total suspension of fishing operations
≥ 64 (≥118)	Phenomenal	Total suspension of fishing operations

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

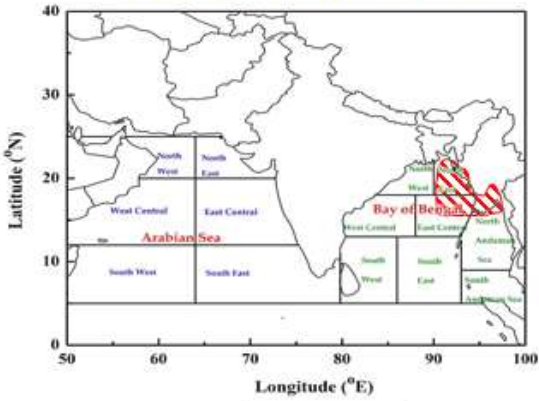
DAY-1: 21.03.2022/0600 UTC TO 22.03.2022/0600 UTC



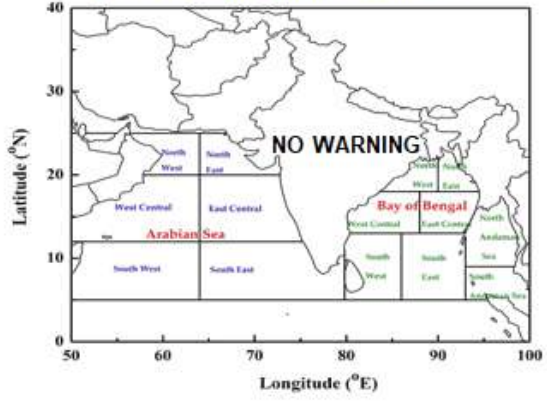
DAY-2: 22.03.2022/0600 UTC TO 23.03.2022/0600 UTC



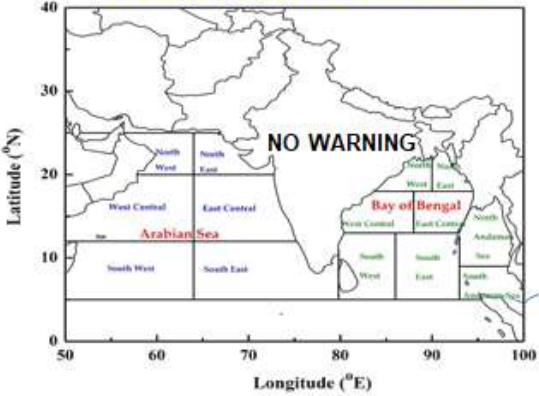
DAY-3: 23.03.2022/0600 UTC TO 24.03.2022/0600 UTC



DAY-4: 24.03.2022/0600 UTC TO 25.03.2022/0600 UTC



DAY-5: 25.03.2022/0600 UTC TO 26.03.2022/0600 UTC



AREA UNDER FISHERMEN WARNING

- 40-50 KMPH GUSTING TO 55 KMPH (SQUALLY WEATHER)
- 45-55 KMPH GUSTING TO 65 KMPH
- 55-65 KMPH GUSTING TO 70 KMPH
- 65-75 KMPH GUSTING TO 85 KMPH

EXPECTED IMPACT & ACTION SUGGESTED for Andaman and Nicobar Islands

A. Impact Expected

- Breaking of tree branches and uprooting of small trees.
- Partial disruption of power and communication lines.
- Localized Flooding of roads, inundation and water logging in low lying areas.
- Occasional reduction in visibility due to heavy rainfall.
- Disruption of traffic due to water logging in roads leading to increased travel time.
- Adverse impact on marine and tourist activities along the coasts.
- Damage to kutcha roads.
- Possibilities of damage to vulnerable structure.
- Localized Landslides/Mudslides
- Damage to horticulture and standing crops in some areas due to squally wind and inundation.

B. Action Suggested

- Total suspension of fishing and tourism activities during 21st to 22nd March.
- Avoid going to areas that face the water logging problems often.
- People are advised to be in safe areas and avoid staying in vulnerable structure.
- Regulate and suspend off-shore activities during 21st to 22nd March.
- Regulate air-traffic on 21st March, 2022.
- Check for traffic congestion on your route before leaving for your destination.
- Follow any traffic advisories that are issued in this regard.

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

