

India Meteorological Department (Ministry of Earth Sciences)

BULLETIN NO.8 (BOB/02/2022)

TIME OF ISSUE: 1450 HOURS IST DATED: 21.03.2022

FROM: INDIA METEOROLOGICAL DEPARTMENT (FAX NO. 24643965/24699216/24623220)

TO: CONTROL ROOM, NDM, MINISTRY OF HOME AFFAIRS (FAX.NO. 23093750)

CONTROL ROOM NDMA (FAX.NO. 26701729)

CABINET SECRETARIAT (FAX.NO.23012284, 23018638)

PS TO HON'BLE MINISTER FOR S & T AND EARTH SCIENCES (FAX NO.23316745)

SECRETARY, MOES (FAX NO. 24629777)

H.Q. (INTEGRATED DEFENCE STAFF AND CDS) (FAX NO. 23005137/23005147)

DIRECTOR GENERAL, DOORDARSHAN (23385843)

DIRECTOR GENERAL, AIR (23421105, 23421219)

PIB MOES (FAX NO. 23389042)

UNI (FAX NO. 23355841)

D.G. NATIONAL DISASTER RESPONSE FORCE (NDRF) (FAX NO. 26105912, 2436 3260)

DIRECTOR, PUNCTUALITY, INDIAN RAILWAYS (FAX NO. 23388503)

ADMINISTRATOR, ANDAMAN & NICOBAR ISLANDS (FAX NO. 03192-232656)

CHIEF SECRETARY, TAMIL NADU (FAX NO 044-25672304)

CHIEF SECRETARY, PUDUCHERRY (FAX NO 0413-2334145)

CHIEF SECRETARY, ANDHRA PRADESH (FAX NO. 0863-2441029, 08645-246600)

CHIEF SECRETARY, ODISHA (FAX NO. 0674-2536660)

CHIEF SECRETARY, WEST BENGAL (FAX NO. 033-22144328)

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

The Deep Depression over north Andaman Sea and adjoining southeast Bay of Bengal, moved nearly northwards with a speed of 13 kmph during last 06 hours, and lay centered at 1130 hours IST of today, 21st March, over the same region, near latitude 12.6°N and longitude 93.9°E, about 110 km east-southeast of Mayabundar (Andaman Islands), 170 km northeast of Port Blair (Andaman Islands), 530 km south-southwest of Yangon (Myanmar) and 650 km south of Thandwe (Myanmar).

It is likely to intensify further into a cyclonic storm during evening hours of today. It would continue to move nearly northwards along & off Andaman Islands towards Myanmar coast during next 48 hrs and cross Myanmar coast between latitude 18⁰N & 19⁰N around Thandwe (Myanmar) during early hours of 23rd March.

Forecast track and intensity are given in the following table:

Date/Time(IST)	Position	Maximum sustained surface	Category of cyclonic
	(Lat. ⁰N/ long. ºE)	wind speed (Kmph)	disturbance
21.03.22/1130	12.6/93.9	55-65 gusting to 75	Deep Depression
21.03.22/2330	14.3/94.0	65-75 gusting to 85	Cyclonic Storm
22.03.22/1130	15.9/93.8	65-75 gusting to 85	Cyclonic Storm
22.03.22/2330	17.6/94.0	55-65 gusting to 75	Deep Depression
23.03.22/1130	19.5/94.7	35-45 gusting to 55	Well-Marked Low

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 is very likely over north Andaman Islands and heavy rainfall at isolated places over South Andaman Islands during next 12 hours. Light to moderate rainfall at a few places is likely over Nicobar Islands.

(ii) Wind warning

- **21**st **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.

(v) 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.

Next bulletin will be issued at 2030 hours IST of today, the 21st March, 2022.

(Ananda Kumar Das) Scientist-E, RSMC, New Delhi

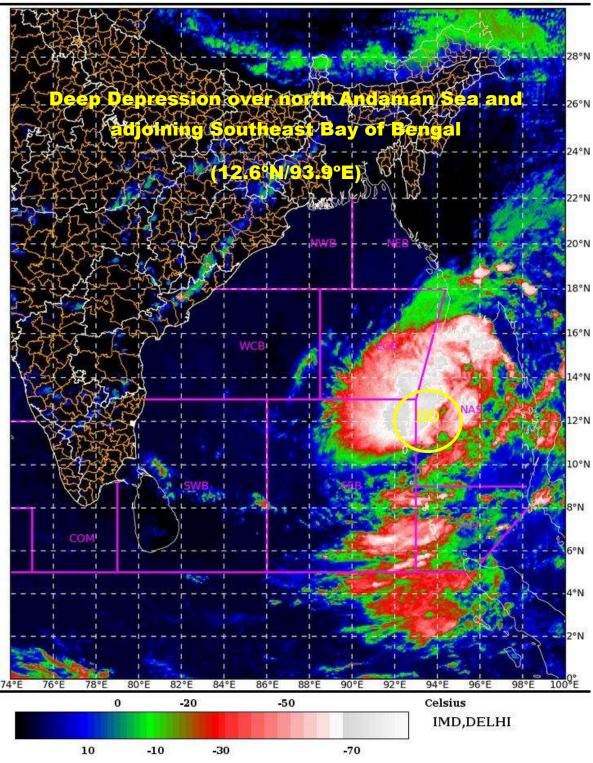
Copy to: ACWC Kolkata/ ACWC Chennai/ CWC Bhubaneswarr/CWC Vishakhapatnam/MO Port Blair

LEGEND: **Heavy Rainfall**: 64.5 to 115.5mm, **Very Heavy Rainfall**: 115.6 to 204.4mm **Most Places**: more than 76% of total stations, **Isolated Places**: Less than 25% of total

21-03-2022/(0830 to 0857) GMT IMG_TIR1_TEMP 10.8 um 21-03-2022/(1400 to 1427) IST

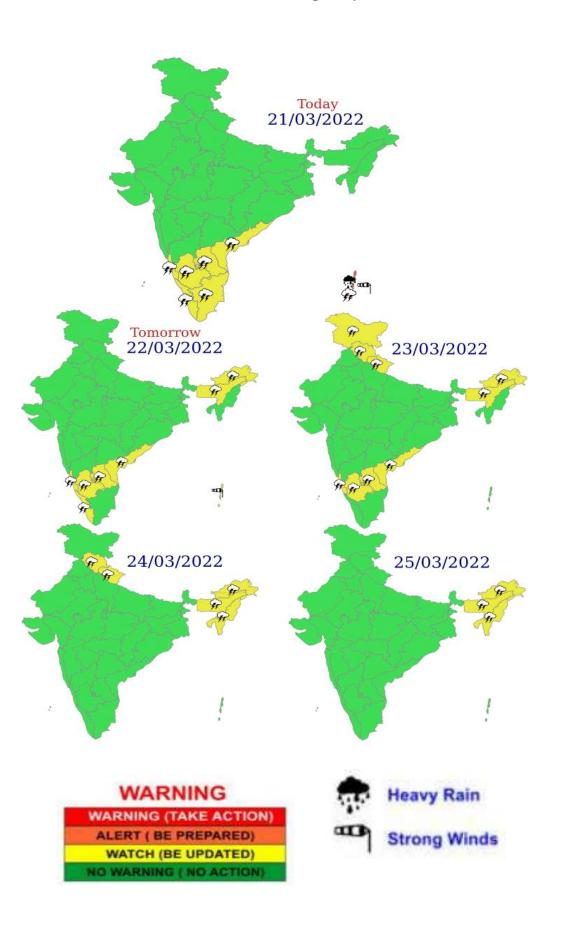


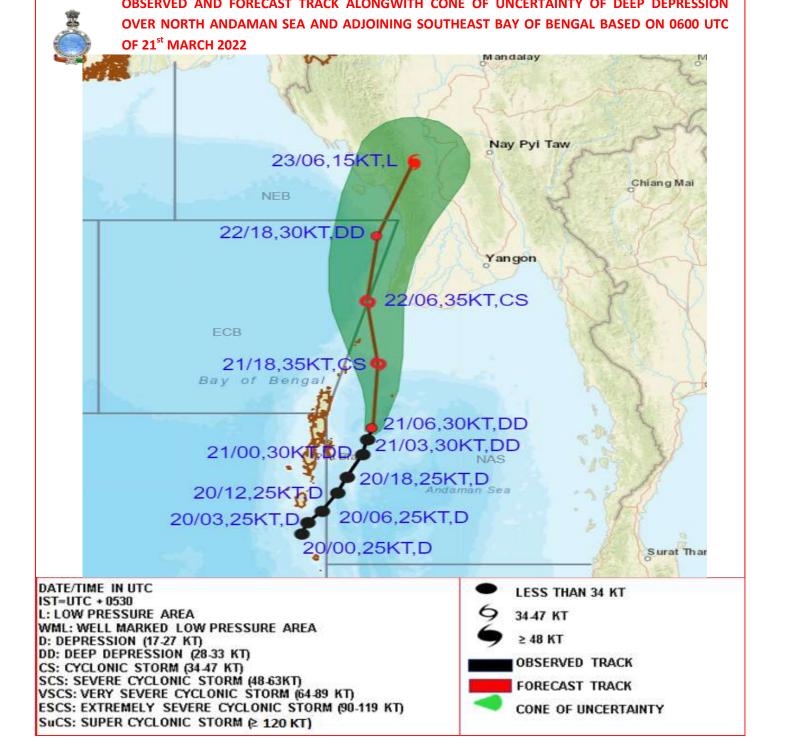
L1C Mercator



DD: DEEP DEPRESSION

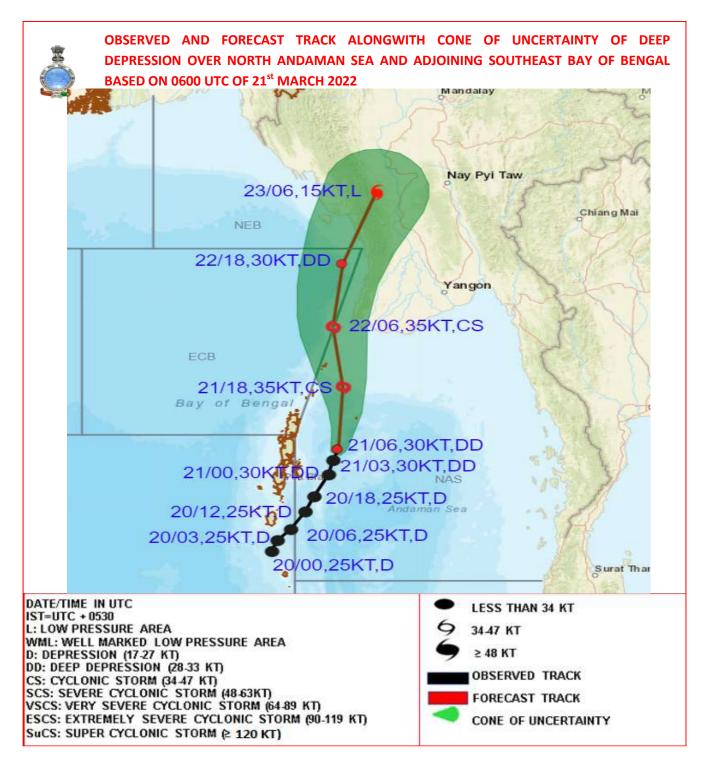
Rainfall Warning Graphics





STATIONS	DISTANCE(I	DISTANCE(KM) AND DIRECTION FROM STATIONS			
SIATIONS	21.03.22/0600	22.03.22/0600	23.03.22/0600		
Yangon	520,SSW	270,WSW	340,NNW		
Thandwe	650,S	1050,ESE	1100,E		
Hut bay	270,NNE	610,NNE	1020,NNE		
Portblair	170,NE	490,NNE	900,NNE		
Maya bundar	110,ESE	350,NNE	760,NNE		

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

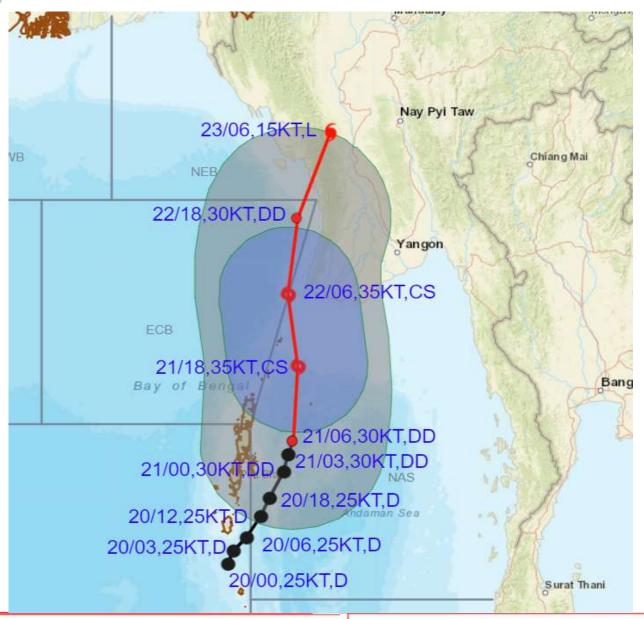


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OBSERVED AND FORECAST TRACK ALONGWITH QUADRANT WIND DISTRIBUTION OF DEPRESSION OVER NORTH ANDAMAN SEA AND ADJOINING SOUTHEAST BAY OF BENGAL BASED ON 0600 UTC OF 21st MARCH 2022



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
6	34-47 KT
6	≥ 48 KT
	OBSERVED TRACK
	FORECAST TRACK
	CONE OF UNCERTAINTY
AREA	OF MAXIMUM SUSTAINED WIND SPEED:
(h)	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

Fishermen warning Graphics

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

