



**India Meteorological Department
(Ministry of Earth Sciences)**

SPECIAL MESSAGE

TIME OF ISSUE: 1350 HOURS IST

DATED: 02.12.2021

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

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CHIEF SECRETARY, TAMIL NADU (FAX NO 044-25672304)
CHIEF SECRETARY, PUDUCHERRY (FAX NO 0413-2334145)**

Sub: Likely formation of a Cyclonic Storm over central Bay of Bengal around 3rd December 2021. – Pre-cyclone watch for north Andhra Pradesh – Odisha coasts

Yesterday's Low Pressure area over central parts of Andaman Sea moved west-northwestwards and became a Well marked Low Pressure Area over southeast Bay of Bengal & adjoining Andaman Sea in the early morning (0530 hrs IST) of today, the 2nd December 2021. It lay over southeast Bay of Bengal at 0830 hrs IST of today. It is likely to move west-northwestwards and concentrate into a Depression over southeast & adjoining east-central Bay of Bengal during next 12 hours. Then it is likely to move northwestwards and intensify into a Cyclonic Storm over central parts of the Bay of Bengal during the subsequent 24 hours. It is likely to reach west-central Bay of Bengal off north Andhra Pradesh – south Odisha coasts around 4th December morning. Thereafter it is likely to move north-northeastwards.

Warnings:

(i) Rainfall (warning graphics enclosed)

2nd Dec.: Light to moderate rainfall at most places **with heavy rainfall** at isolated places likely over Andaman & Nicobar Islands.

3rd Dec.: Light to moderate rainfall at many places with **heavy to very heavy rainfall** at isolated places over south coastal Odisha and heavy rainfall at isolated places over north coastal Andhra Pradesh.

4th Dec.: Light to moderate rainfall at most places **with heavy to very heavy rainfall & extremely heavy falls** at isolated places very likely over **south Odisha and north coastal Andhra Pradesh** and **heavy to very heavy rainfall** at isolated places over **north coastal Andhra Pradesh**, north & interior districts of Odisha and also over **Gangetic west Bengal**.

5th Dec.: Light to moderate rainfall at many places with **heavy to very heavy rainfall** at isolated places likely over West Bengal & Odisha and heavy rainfall at isolated places over Assam & Meghalaya and Tripura.

6th Dec.: Light to moderate rainfall at many places with **heavy to very heavy rainfall** at isolated places likely over Assam & Meghalaya, Mizoram and Tripura.

(ii) Wind warning

- Squally wind speed reaching 45-55 kmph gusting to 65 kmph likely to prevail over southeast Bay of Bengal & adjoining Andaman Sea during next 6 hours.
- It would further increase to wind speed reaching 50-60 kmph gusting to 70 kmph over southeast & adjoining east-central Bay of Bengal, from today, the 2nd December evening.
- Gale winds speed reaching 65-75 kmph gusting to 85 kmph likely to prevail over central Bay of Bengal from the morning of 3rd December and gradually increase becoming 90-100 kmph gusting to 110 kmph over northwest & adjoining west-central Bay of Bengal from the morning of 4th December for the subsequent 24 hours.
- Squally wind speed reaching 45-55 kmph gusting to 65 kmph likely to commence along & off North Andhra Pradesh – Odisha coasts from the mid-night of 3rd December and increase gradually becoming 70-80 kmph gusting to 90 kmph from 4th morning, for the subsequent 12 hours.
- Squally wind speed reaching 45-55 kmph gusting to 65 kmph also likely to commence along & off West Bengal coast from 4th December morning and become Gale wind speed reaching 60-70 kmph gusting to 80 kmph from the evening of 4th December for the subsequent 12 hours.

(iii) Sea condition

- Sea condition will be rough to very rough over Andaman Sea, along & off Andaman & Nicobar Islands and adjoining southeast Bay of Bengal, during next 6 hours.
- Sea condition would become very rough to High over southeast & adjoining east-central Bay of Bengal, Andaman & Nicobar Islands & Andaman Sea from today evening for the subsequent 12 hours.
- Sea condition would be High over central Bay of Bengal on 3rd December and High to very High over west-central & northwest Bay of Bengal from the early morning of 4th December for the subsequent 24 hours.
- Sea condition will be rough to very rough over along & off North Andhra Pradesh – Odisha coast from the mid-night of 3rd December and become High to very High from 4th Afternoon, for the subsequent 12 hours. It will be very rough to High along & off West Bengal coast from 4th morning and High to very High from the same evening for the subsequent 12 hours.

(iv) Fishermen Warning (in association with the likely intensification of the system)

- Fishermen are advised not to venture into Andaman Sea on 2nd December 2021, into southeast & adjoining east-central Bay of Bengal on 2nd & 3rd December, over west-central & northwest Bay of Bengal and along & off north Andhra Pradesh - Odisha- West Bengal coasts during 3rd - 5th December 2021 (Graphics enclosed).
- Fishermen out at Sea are advised to return to coast with immediate effect.

(v) Advisory to along & off shore Installations

The off-shore & alongshore operations along north Andhra Pradesh, Odisha & West Bengal coasts are advised to be judiciously regulated on 3rd December and to be suspended on 4th December 2021, to ensure safety of life & property.

(vi) EXPECTED IMPACT & ACTION SUGGESTED

A. Impact Expected

- Localized Flooding of roads, inundation and water logging in low lying areas and closure of underpasses mainly in urban areas of the affected 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)

B. Action Suggested

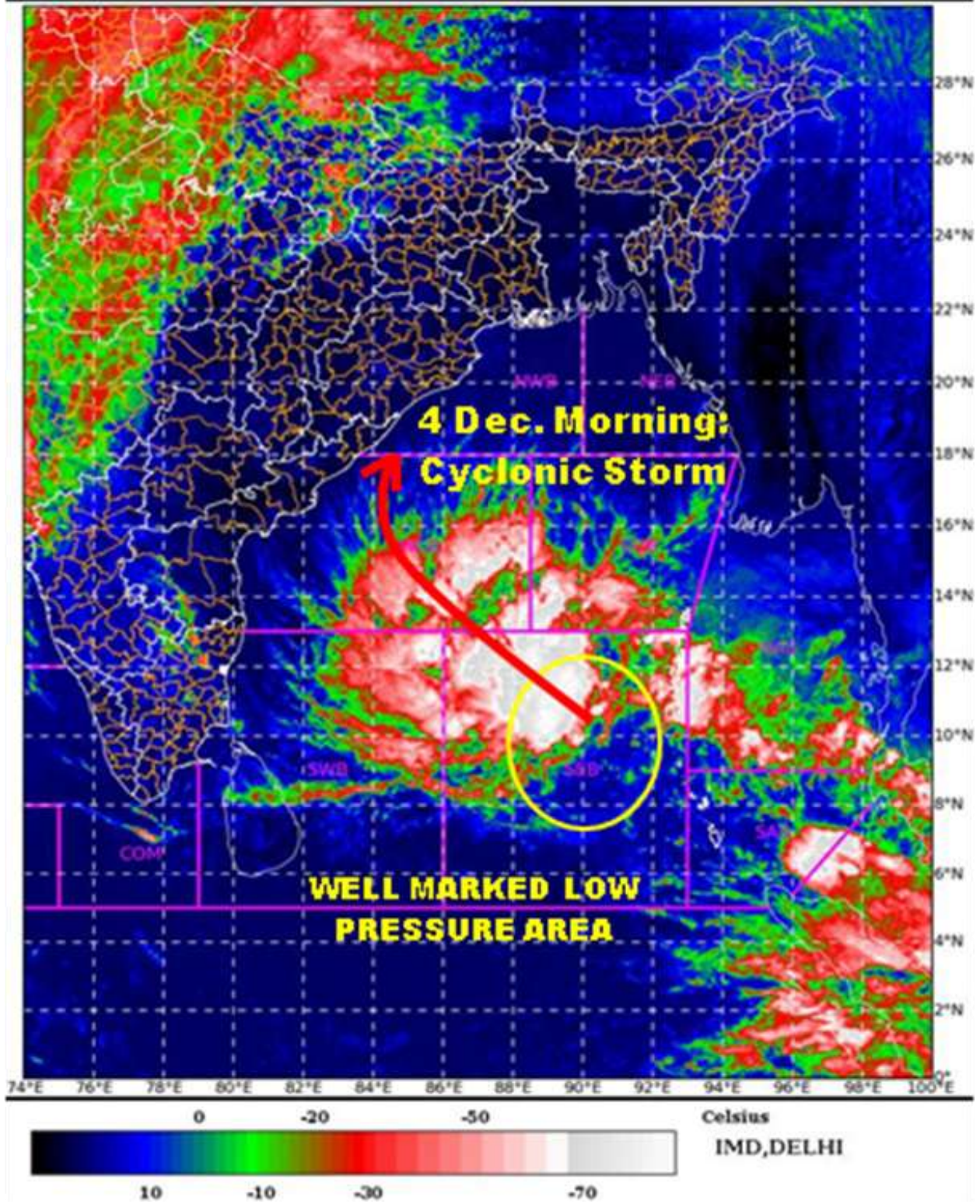
- Check for traffic congestion on your route before leaving for your destination.
- Follow any traffic advisories that are issued in this regard.
- Avoid going to areas that face the water logging problems often.
- Avoid staying in vulnerable structure.
- Harvest the ripen crops like Paddy & Horticultural crops and also secure the harvested crops securely from the damage due to rain and strong winds.

Next update will be provided on formation of the Depression over the Bay of Bengal.

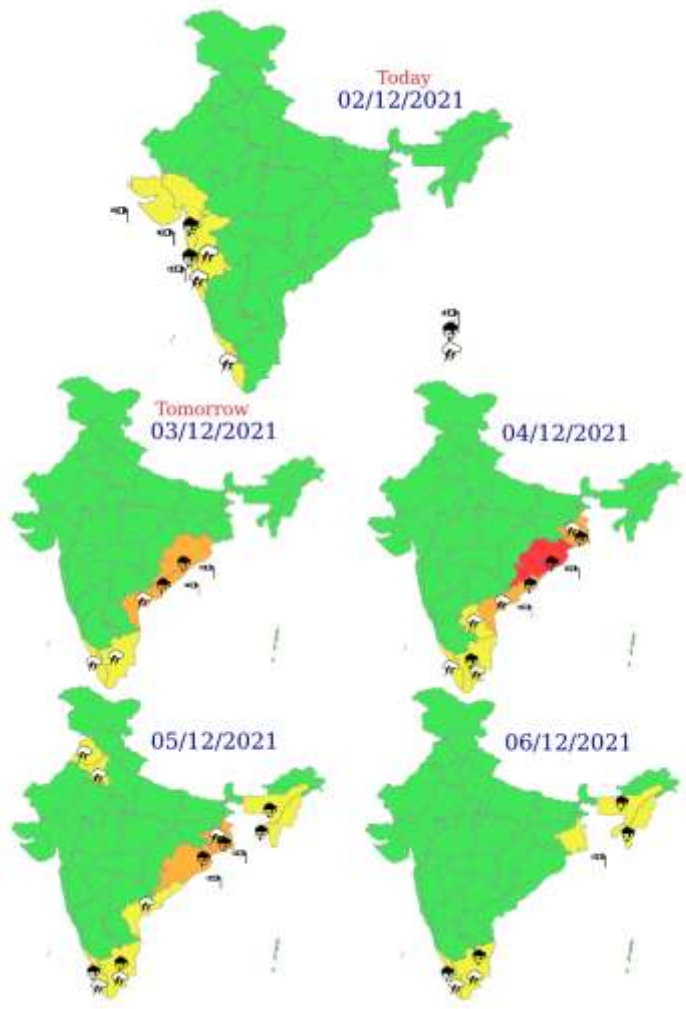
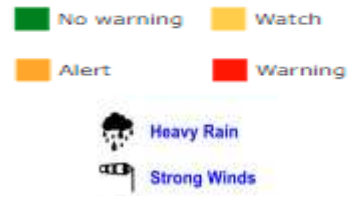
(Sunitha Devi. S)
Scientist-F, RSMC, New Delhi

Copy to: ACWC Kolkata/ ACWC Chennai/CWC Vishakhapatnam/CWC Bhubaneswar
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 stations

SAT : INSAT-3D IMG 02-12-2021/(0530 to 0557) GMT
IMG_TIR1_TEMP 10.8 um 02-12-2021/(1100 to 1127) IST
LIC Mercator

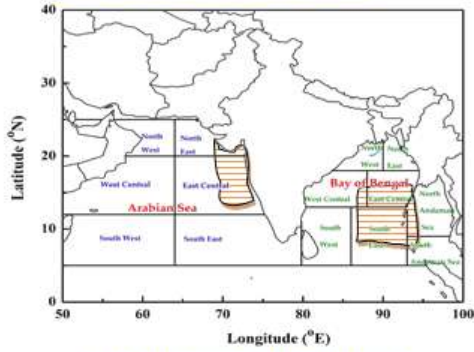


Meteorological Sub-division level heavy rainfall warning

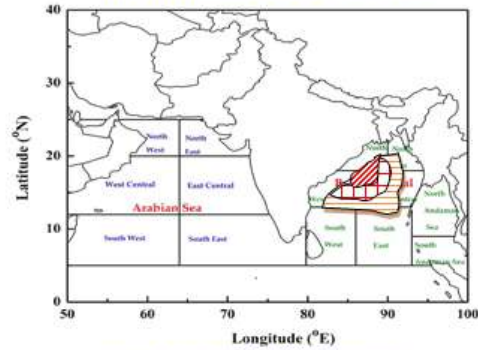


INDIA METEOROLOGICAL DEPARTMENT
FISHERMAN WARNING FOR BAY OF BENGAL AND ARABIAN SEA

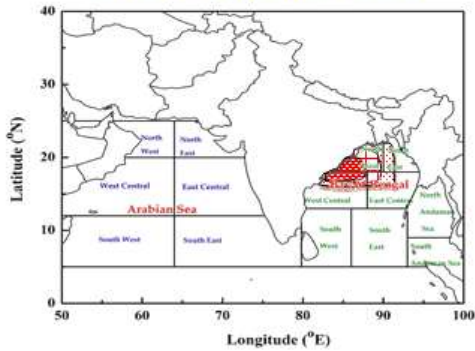
DAY-1: 02-12.2021/0600 UTC TO 03.12.2021/0600 UTC



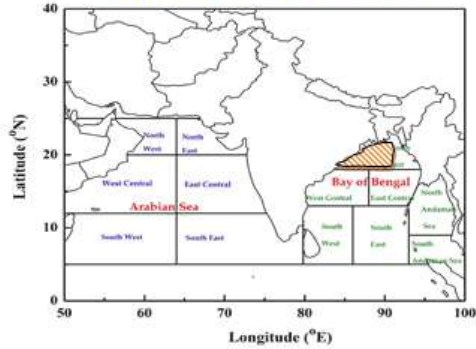
DAY-2: 03.12.2021/0600 UTC TO 04.12.2021 /0600 UTC



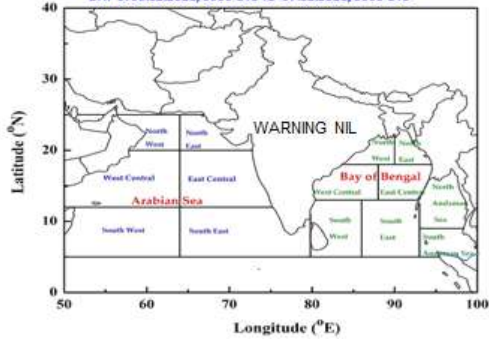
DAY-3: 04.12.2021/0600 UTC TO 05.12.2021/0600 UTC



DAY-4 05.12.2021/0600 UTC TO 06.12.2021/0600 UTC



DAY-5: 06.12.2021/0600 UTC TO 07.12.2021/0600 UTC



AREA UNDER FISHERMEN WARNING

- 40-50 KMPH G TO 60 KMPH (SQ.WEATHER)
- 45-55 KMPH GUSTING TO 65 KMPH
- 50-60 KMPH G TO 70 KMPH
- 60-70 KMPH G TO 80 KMPH
- 70-80 KMPH G TO 90 KMPH
- 80-90 KMPH G TO 95 KMPH
- 90-100 KMPH G TO 110 KMPH