



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

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DATED: 09.11.2021

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**Sub: (a) Depression over Eastcentral & adjoining west-central Arabian Sea
(b) Likely formation of a Low Pressure Area over southeast Bay of Bengal,
its intensification & movement towards north Tamil Nadu coast during
09th-11th November 2021.**

(a) Depression over Eastcentral & adjoining west-central Arabian Sea

The Depression over eastcentral Arabian Sea moved southwestwards with a speed of 05 kmph during past 6 hours and lay centred at 2330 hrs IST of 8th November, 2021, over Eastcentral & adjoining west-central Arabian Sea near latitude 14.5°N and longitude 65.8°E, about 910 km west-southwest of Mumbai (Maharashtra) & 870 km west-southwest of Panjim (Goa). It is likely to move west-southwestwards and weaken into a Well Marked Low Pressure Area by today morning.

As the system is very likely to move away from the Indian coast no adverse impact is likely over the Indian landmass.

Warnings:

(i) Rainfall

- No heavy rainfall warning in association with the system.

(ii) Wind warning

- Squally wind speed reaching 40-50 kmph gusting to 60 kmph likely to prevail over eastcentral & adjoining westcentral Arabian Sea for next 06 hours. It would further decrease becoming 30-40 kmph gusting to 50 kmph over west-central Arabian Sea from 09th November morning.

(iii) Sea condition

- Sea condition will be rough to very rough over eastcentral & adjoining westcentral Arabian Sea till the early morning of 9th November 2021.

(iv) Fishermen Warning

- Fishermen are advised not to venture into eastcentral & adjoining westcentral Arabian Sea till the early morning of 9th November 2021. (Graphics enclosed).

(b) Likely formation of a Low Pressure area over southeast Bay of Bengal

The cyclonic circulation over southeast Bay of Bengal and adjoining south Andaman Sea, extending up to 5.8 Km above mean sea level persisted there at 2330 hrs IST of 08th November. Under its influence, a low pressure area is very likely to form over southeast Bay of Bengal and neighbourhood during next 24 hours. It is likely to move west – northwestwards, **concentrate into a Depression and reach near north Tamilnadu coast by the early morning of 11th November, 2021.**

In association with this formation, there would be a continuation of the ongoing active rain spell over Tamil Nadu till 11th November.

Warnings:

(i) Rainfall (warning graphics enclosed)

9th Nov.: Light to moderate rainfall at most places with **heavy to very heavy rainfall falls** at isolated places very likely over Tamil Nadu and **heavy rainfall** at isolated places over south coastal Andhra Pradesh.

10th Nov.: Light to moderate rainfall at most places with **heavy to very heavy rainfall** at a few places & extremely heavy falls at isolated places very likely over coastal Tamil Nadu and south coastal Andhra Pradesh.

11th Nov.: Light to moderate rainfall at most places **with heavy to very heavy rainfall & extremely heavy falls** at isolated places very likely over coastal Tamil Nadu south coastal Andhra Pradesh.

12th Nov. Light to moderate rainfall at most places with **heavy rainfall** at isolated places very likely over Tamil Nadu.

(ii) Wind warning

- Squally wind speed reaching 45-55 kmph gusting to 65 kmph likely to prevail over southeast Bay of Bengal on 9th & 10th November, over southwest Bay of Bengal during 10th – 11th November and along & off Tamil Nadu & adjoining south Andhra Pradesh coasts on 11th November.

(iii) Sea condition

- Sea condition will be rough to very rough over southeast Bay of Bengal on 9th & 10th November, over southwest Bay of Bengal during 10th – 11th November and along & off Tamil Nadu & adjoining south Andhra Pradesh coasts on 11th November.

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

- Fishermen are advised not to venture into southeast Bay of Bengal on 9th & 10th November, over southwest Bay of Bengal during 10th – 11th November and along & off Tamil Nadu & adjoining south Andhra Pradesh coasts on 11th November. (Graphics enclosed).
- Fishermen out in the Sea are advised to return to coast by 9th November.

(v) EXPECTED IMPACT & ACTION SUGGESTED

Localized Flooding of roads, inundation and water logging in low lying areas and closure of underpasses mainly in urban areas.

- 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 kutchra 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)
- Recreational & Tourism activities along the coastal belt may be restricted.

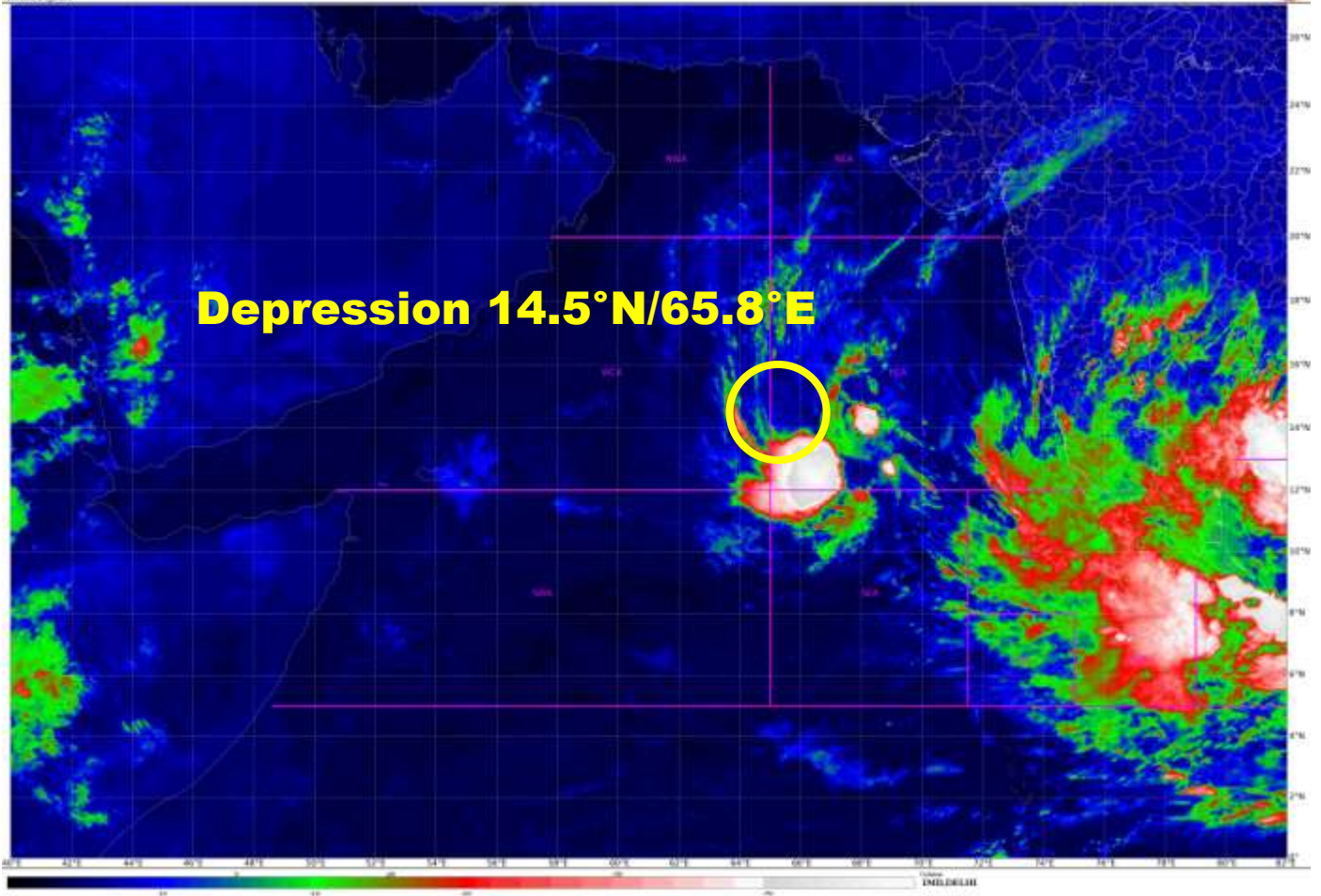
IMD is continuously monitoring the situation and updates would be sent regularly based on its development and further movement.

The next bulletin will be issued at 0830 hrs IST of 09th November, 2021.

(Shobhit Katiyar)
Scientist-C, RSMC, New Delhi

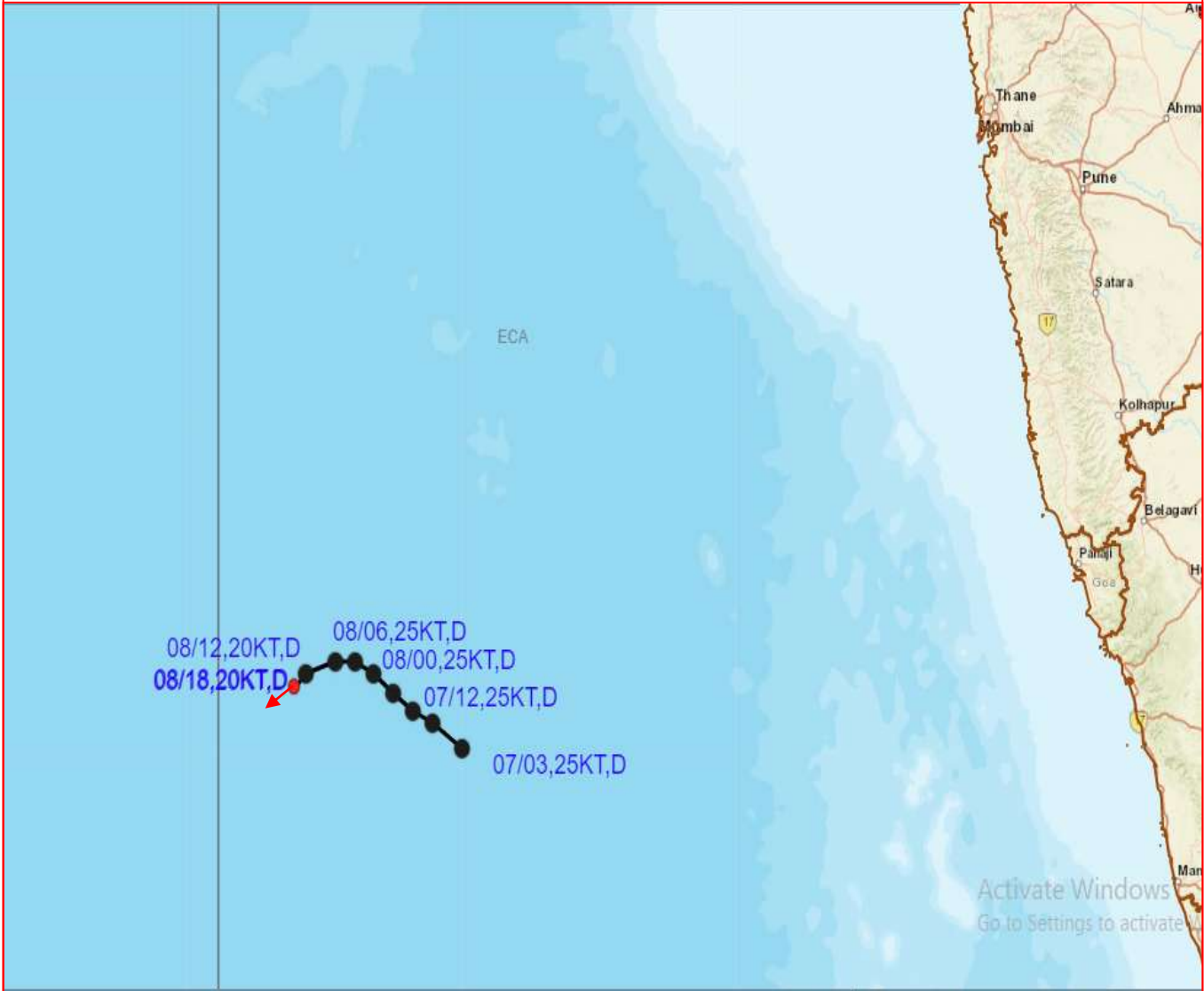
Copy to: ACWC Mumbai/ CWC Ahmedabadr/MC Goa/CWC Thiruvananthapuram

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





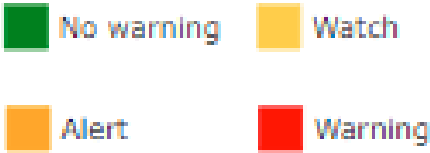
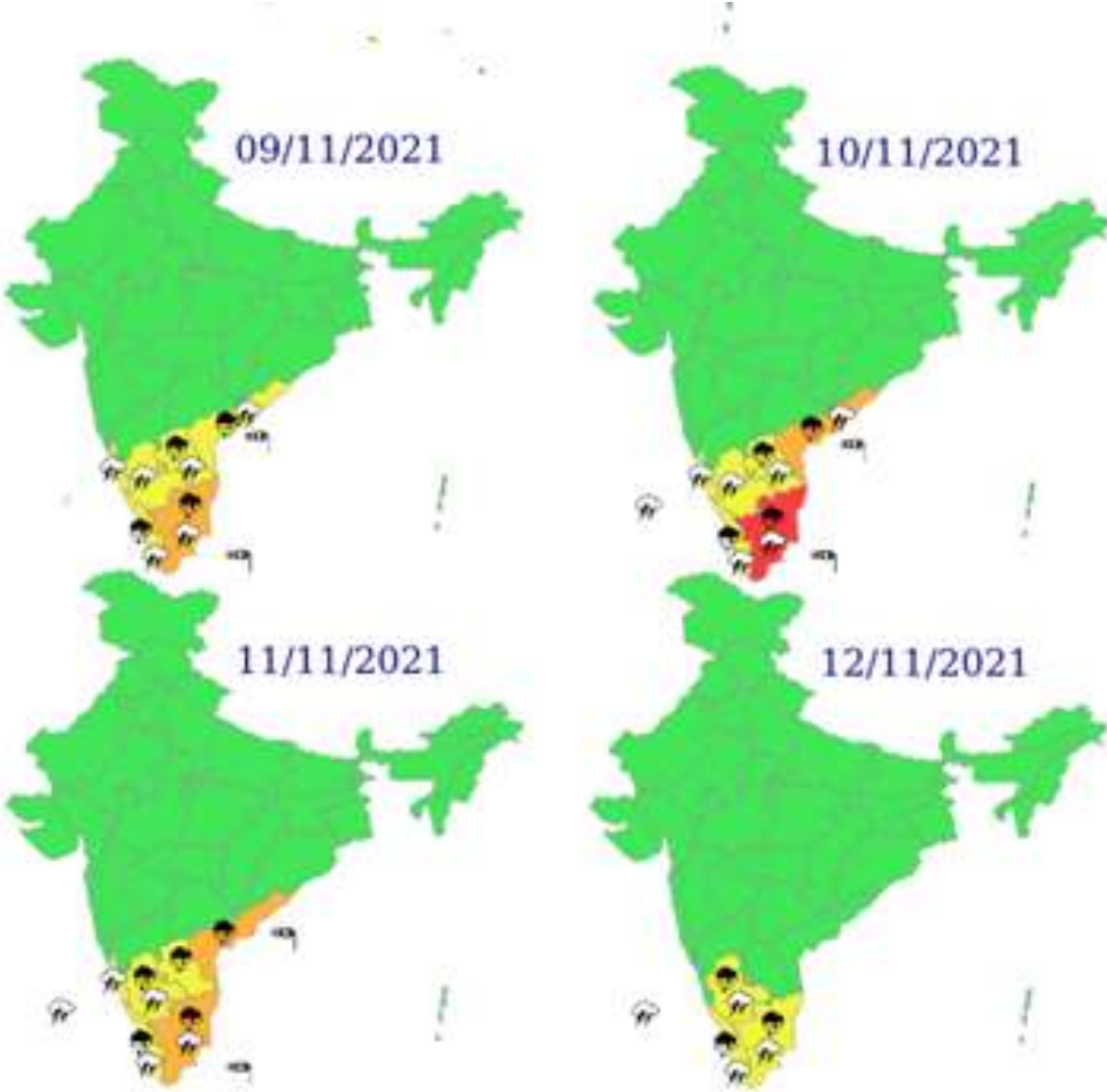
OBSERVED AND FORECAST TRACK ALONGWITH CONE OF UNCERTAINTY OF DEPRESSION OVER EAST CENTRAL & ADJOINING WESTCENTRAL ARABIAN SEA BASED ON 1800 UTC OF 08TH NOVEMBER, 2021



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)

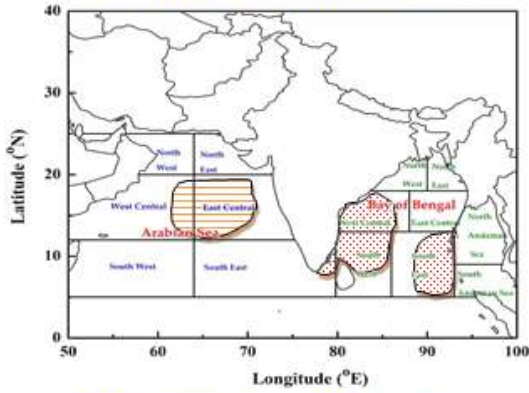
-  LESS THAN 34 KT
-  34-47 KT
-  \geq 48 KT
-  OBSERVED TRACK
-  FORECAST TRACK
-  CONE OF UNCERTAINTY

Meteorological Sub-division level heavy rainfall warning

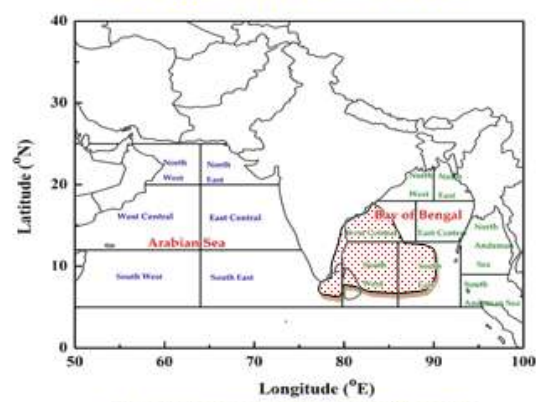


INDIA METEOROLOGICAL DEPARTMENT
FISHERMAN WARNING FOR BAY OF BENGAL AND ARABIAN SEA

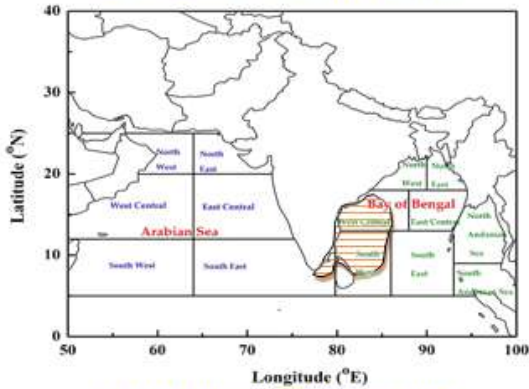
DAY-1: 08.11.2021/0600 UTC TO 09.11.2021/0600 UTC



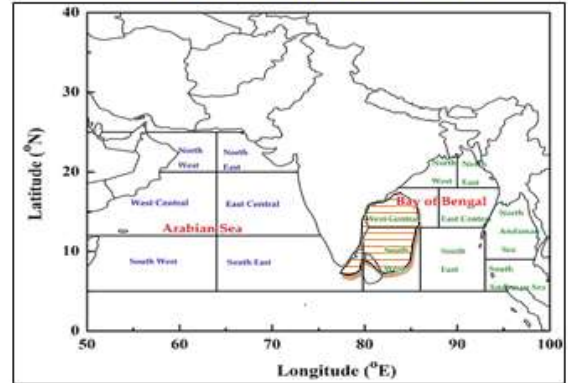
DAY-2: 09.11.2021/0600 UTC TO 10.11.2021/0600 UTC



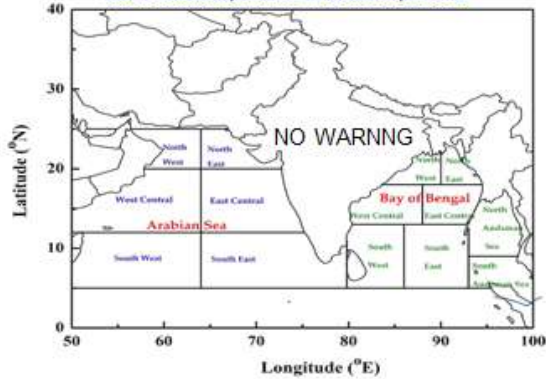
DAY-3: 10.11.2021/0600 UTC TO 11.11.2021/0600 UTC



DAY-4: 11.11.2021/0600 UTC TO 12.11.2021/0600 UTC



DAY-5: 12.11.2021/0600 UTC TO 13.11.2021/0600 UTC



AREA UNDER FISHERMEN WARNING

- 40-50 KMPH GUSTING TO 60 KMPH (SQUALLY WEATHER)
- 45-55 KMPH GUSTING TO 60 KMPH (SQUALLY WEATHER)
- 50-60 KMPH GUSTING TO 70 KMPH (STRONG WIND)