



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

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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)
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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)
CHIEF SECRETARY, MAHARASHTRA (FAX NO 022-22028594)
CHIEF SECRETARY, GUJARAT (FAX NO 079-23250305)
ADMINISTRATOR, DAMAN, DIU, DADRA & NAGAR HAVELI (FAX NO 0260-2230775)
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CHIEF SECRETARY, KARNATAKA (FAX NO 080-22258913)
CHIEF SECRETARY, KERALA (FAX NO 0471-2327176)
ADMINISTRATOR, LAKSHADWEEP (FAX NO 04896-26284)
CHIEF SECRETARY, ANDAMAN & NICOBAR ISLANDS (FAX NO. 03192- 232656)
CHIEF SECRETARY, ANDHRA PRADESH (FAX NO. 0863-2441029, 08645-246600)
CHIEF SECRETARY, TAMIL NADU (FAX NO 044-25672304)
CHIEF SECRETARY, PUDUCHERRY (FAX NO 0413-2334145)**

Sub: (a) Depression over east-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 9th – 11th November 2021.

(a) Depression over east-central Arabian Sea

Latest Satellite and Ships & Buoy observations indicate that a Depression has formed over eastcentral Arabian Sea and lay centred at 0830 hrs IST of today, the 7th November, 2021, near latitude 14.0°N and longitude 67.5°E, about 800 km southwest of Mumbai (Maharashtra) & 700 km west-southwest of Panjim (Goa). It is likely to move west-northwestwards and maintain the intensity of a Depression during next 48 hours and weaken gradually thereafter.

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

Forecast track and intensity are given in the following table:

Date/Time (IST)	Position (Lat. °N/ long. °E)	Maximum sustained surface wind speed (Kmph)	Category of cyclonic disturbance
07.11.21/0830	14.0/67.5	40-50 gusting to 60	Depression
07.11.21/1730	14.3/66.8	45-55 gusting to 65	Depression
08.11.21/0830	14.5/66.3	45-55 gusting to 65	Depression
08.11.21/1730	14.7/65.0	40-50 gusting to 60	Depression

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 east-central Arabian Sea during next 12 hours and increase marginally becoming 45 – 55 kmph gusting to 65 kmph over east-central & adjoining west-central Arabian Sea during the subsequent 24 hours. It would gradually decrease thereafter.

(iii) Sea condition

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

(iv) Fishermen Warning

- Fishermen are advised not to venture into east-central & adjoining west-central 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

A cyclonic circulation lies over Southeast Bay of Bengal and adjoining equatorial Indian Ocean extending up to 4.5 Km above mean sea level. Under its influence, a low pressure area is likely to form over southeast Bay of Bengal and neighbourhood around 09th November 2021. It is likely to become more marked and move towards north Tamil Nadu coast during the subsequent 48 hrs.

In association with this formation, there would be a continuation of the ongoing active rain spell over Tamil Nadu during 7th – 12th November.

Warnings:

(i) Rainfall (warning graphics enclosed)

7th Nov.: Light to moderate rainfall at most places with heavy to very heavy rainfall & extremely heavy falls at isolated places very likely over Tamil Nadu and heavy to very heavy falls at isolated places over south coastal Andhra Pradesh.

8th Nov.: Light to moderate rainfall at most places with heavy to very heavy rainfall falls at isolated places very likely over Tamil Nadu and south coastal Andhra Pradesh.

9th Nov.: Light to moderate rainfall at most places with heavy to very heavy rainfall at isolated places very likely over Tamil Nadu.

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 heavy to very heavy falls & extremely heavy falls at isolated places over south coastal Andhra Pradesh.

11th 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 heavy to very heavy falls & extremely heavy falls at isolated places over south coastal Andhra Pradesh.

(ii) Wind warning

- Squally wind speed reaching 40-50 kmph gusting to 60 kmph likely to prevail over southeast Bay of Bengal on 9th & 10th November, over southwest Bay of Bengal during 10th – 12th November and along & off Tamil Nadu & adjoining south Andhra Pradesh coasts on 11th & 12th 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 – 12th November and along & off Tamil Nadu & adjoining south Andhra Pradesh coasts on 11th & 12th 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 – 12th November and along & off Tamil Nadu & adjoining south Andhra Pradesh coasts on 11th & 12th November. (graphics enclosed).
- Fishermen out in the sea are advised to return 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 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 kutchha 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.

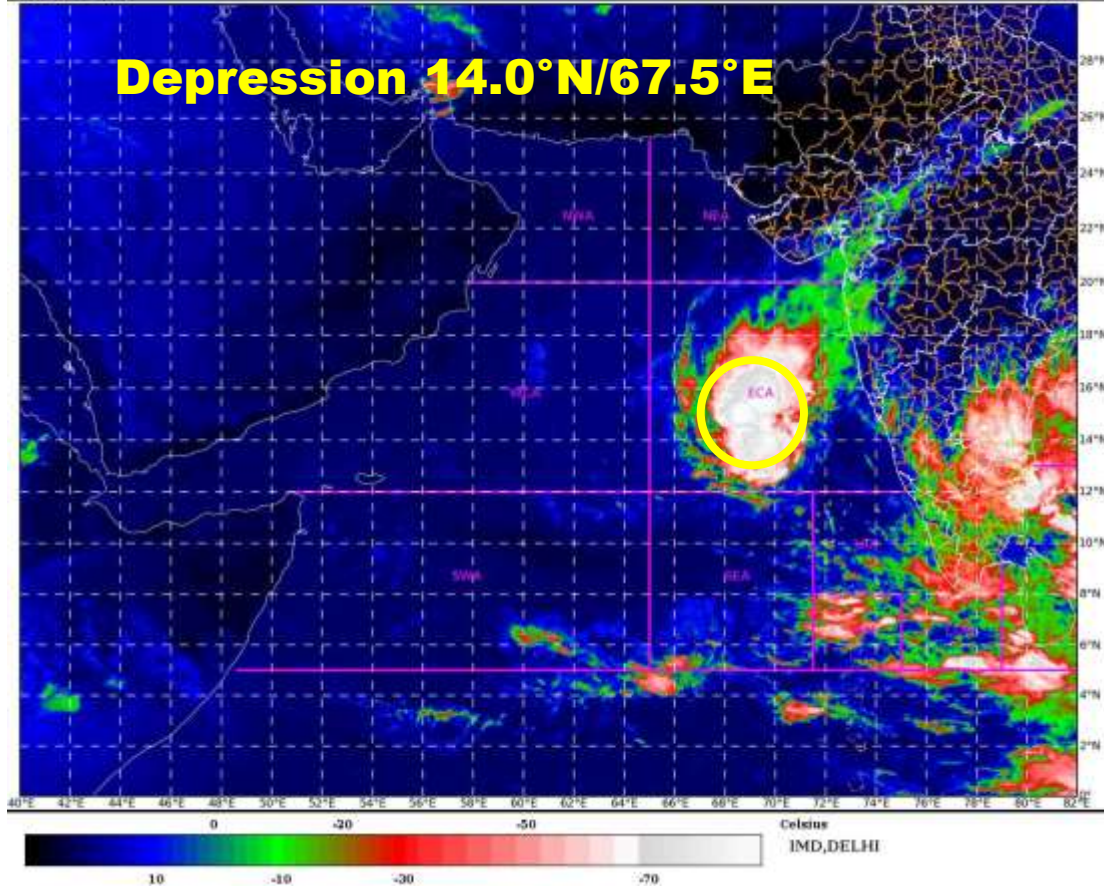
IMD is continuously monitoring the situation and updates would be sent regularly based on its development and further movement.

The next bulletin will be issued at 1430 hrs IST of 7th November, 2021.

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

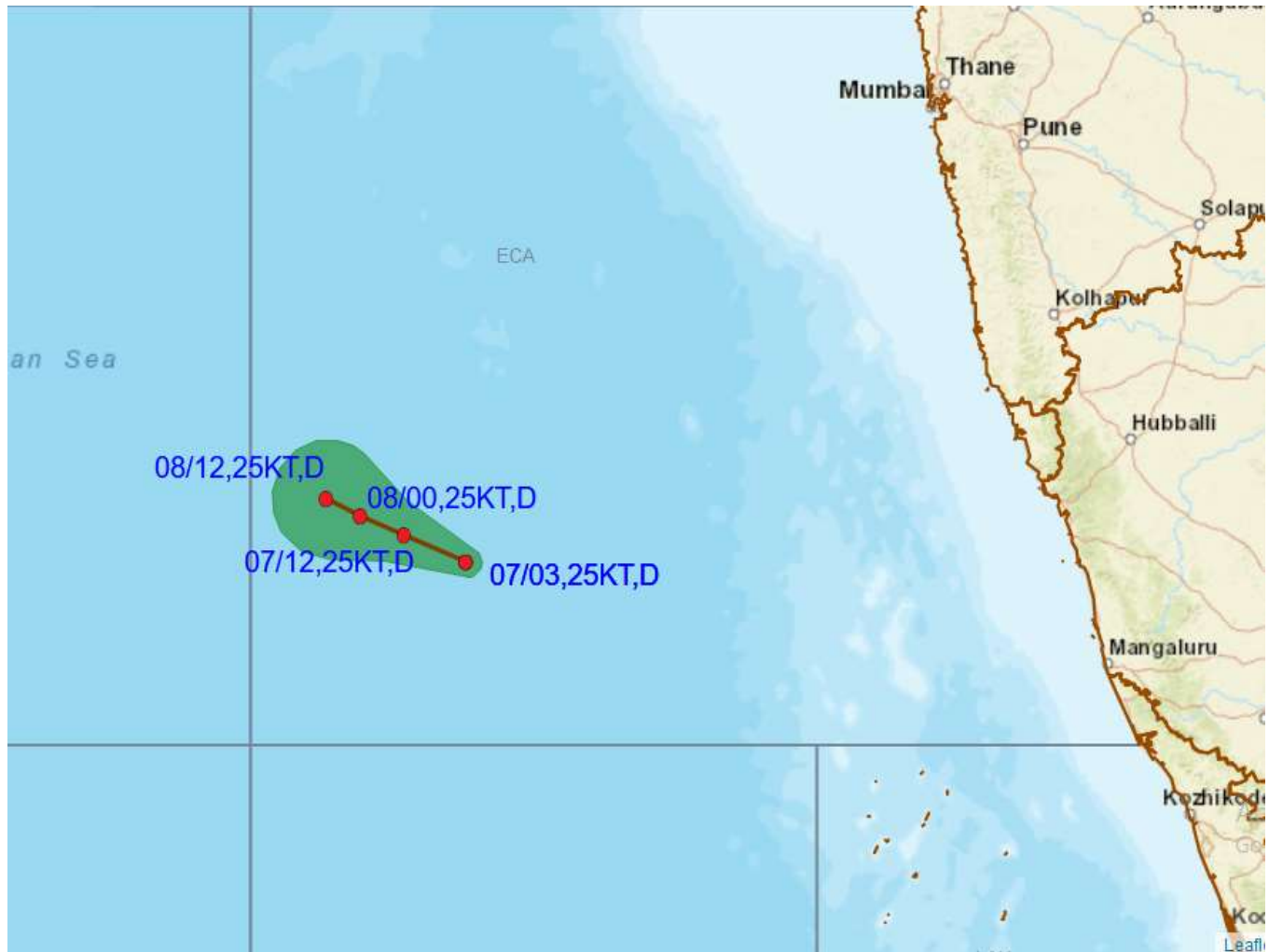
Copy to: ACWC Mumbai/ CWC Ahmedabad/ MC Goa/ CWC Thiruvananthapuram

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



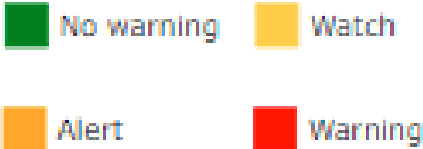


OBSERVED AND FORECAST TRACK OF DEPRESSION OVER EAST-CENTRAL ARABIAN SEA BASED ON 0300 UTC OF 07TH NOVEMBER, 2021

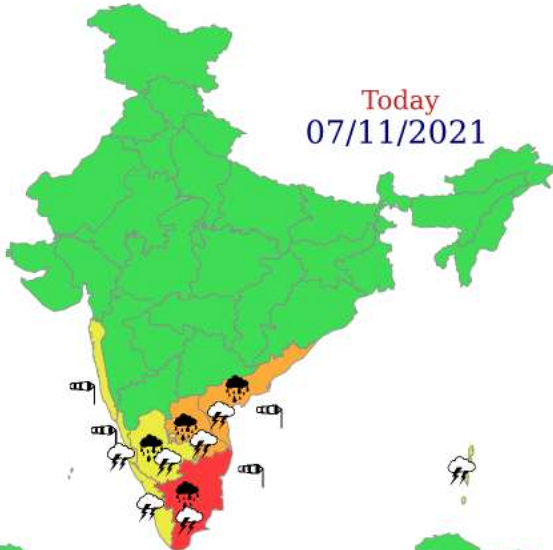


DATE/TIME IN UTC
IST=UTC + 0530
L: LOW PRESSURE AREA
WML: WELL MARKED LOW PRESSURE AREA
D: DEPRESSION (17-27 KT)
DD: DEEP DEPRESSION (28-33 KT)
CS: CYCLONIC STORM (34-47 KT)
SCS: SEVERE CYCLONIC STORM (48-63KT)
VSCS: VERY SEVERE CYCLONIC STORM (64-89 KT)
ESCS: EXTREMELY SEVERE CYCLONIC STORM (90-119 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



Today
07/11/2021



Tomorrow
08/11/2021



09/11/2021



10/11/2021

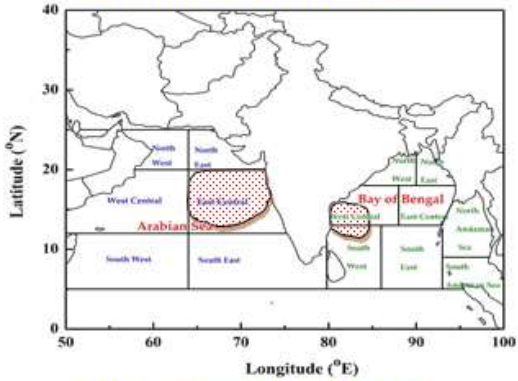


11/11/2021

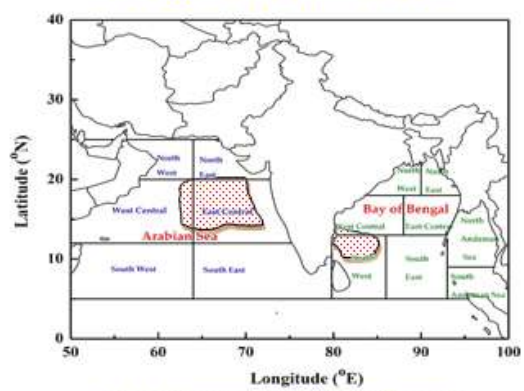


INDIA METEOROLOGICAL DEPARTMENT
FISHERMAN WARNING FOR BAY OF BENGAL AND ARABIAN SEA

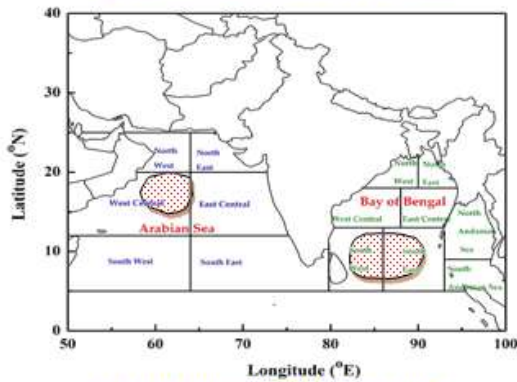
DAY-1: 07.11.2021/0600 UTC TO 08.11.2021/0600 UTC



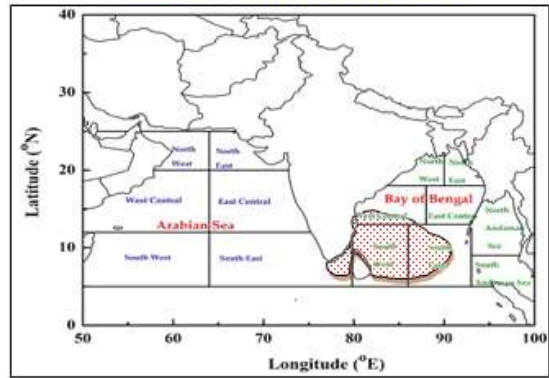
DAY-2: 08.11.2021/0600 UTC TO 09.11.2021/0600 UTC



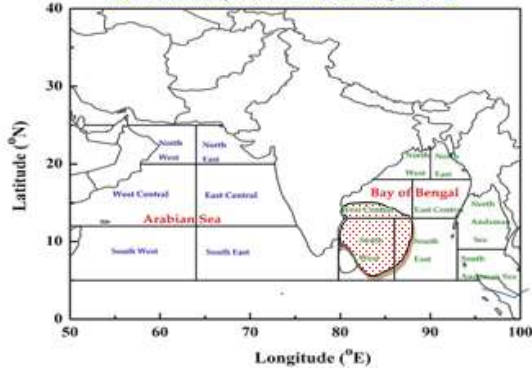
DAY-3: 09.11.2021/0600 UTC TO 10.11.2021/0600 UTC



DAY-4: 10.11.2021/0600 UTC TO 11.11.2021/0600 UTC



DAY-5: 11.11.2021/0600 UTC TO 12.11.2021/0600 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)