



**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)
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)
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)
CHIEF SECRETARY, KERALA (FAX NO 0471-2327176)
CHIEF SECRETARY, KARNATAKA (FAX NO 080-22258913)
CHIEF SECRETARY, MAHARASHTRA (FAX NO 022-22028594)
CHIEF SECRETARY, GUJARAT (FAX NO 079-23250305)
ADMINISTRATOR, DAMAN, DIU, DADRA & NAGAR HAVELI (FAX NO 0260-2230775)
CHIEF SECRETARY, GOA (FAX NO 0832-2415201)**

Sub: a)Depression over north Tamil Nadu and neighbourhood & b)Well marked low pressure area over East Central Arabian Sea

a)Depression over north Tamil Nadu and neighbourhood

The Depression over north coastal Tamil Nadu moved west-northwestwards with a speed of 12 kmph during past 6 hours and lay centred at 0830 hrs IST of today, the 19th November 2021, over north Tamil Nadu and neighbourhood, near Lat. 12.7°N and Long. 79.7°E, about 60 km east-southeast of Vellore. It is very likely to continue to move west-northwestwards and weaken gradually into a Well Marked Low Pressure Area during next 06 hours.

(i) Rainfall (warning graphics enclosed)

19th Nov.: Light to moderate rainfall at most places with **heavy to very heavy rainfall** at isolated places very likely over Rayalaseema and south interior Karnataka and **heavy rainfall** at isolated places over north interior Tamil Nadu south, coastal Andhra Pradesh, Telangana, Coastal and north interior Karnataka and Kerala.

(ii) Wind warning

- Squally wind speed reaching 40-50 kmph gusting to 60 kmph likely to prevail over southwest & adjoining west-central Bay of Bengal, Gulf of Mannar, Comorin Area and along & off Tamil Nadu, Puducherry and adjoining south Andhra Pradesh coasts during next 06 hours and decrease gradually thereafter.

(iii) Sea condition

- Sea condition will be rough to very rough over southwest & adjoining west-central Bay of Bengal, Gulf of Mannar, Comorin Area and along & off Tamil Nadu, Puducherry and adjoining south Andhra Pradesh coasts during next 06 hours and improve gradually thereafter.

(iv) Fishermen Warning

- Fishermen are advised not to venture into southwest & adjoining west-central Bay of Bengal, Gulf of Mannar, Comorin Area and along & off Tamil Nadu, Puducherry and adjoining south Andhra Pradesh coasts during next 06 hours. (Graphics enclosed).

(v) EXPECTED IMPACT (Rayalaseema and south interior Karnataka on 19th November) & 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 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 kutch roads.
- Possibilities of damage to vulnerable structure.
- Localized Landslides/Mudslides
- Damage to horticulture and standing crops in some areas due to flood water inundation.

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.

b) Well marked low pressure area over East Central Arabian Sea

Yesterday's low pressure area over Eastcentral Arabian Sea lay as a well marked low pressure area at 0830 hours IST of today, the 19th November over the same region. It is likely to concentrate into a depression over the same area during next 24 hours. **As the system will move away from Indian coast, no adverse weather likely over Indian landmass.**

(i) Wind warning

- Squally wind speed reaching 40-50 kmph gusting to 60 kmph very likely over Eastcentral Arabian Sea on 19th and 20th and then decrease gradually thereafter.

(ii) Sea condition

- Sea condition will be rough to very rough over Eastcentral Arabian Sea on 19th and 20th and then improve gradually thereafter.

(iii) Fishermen Warning

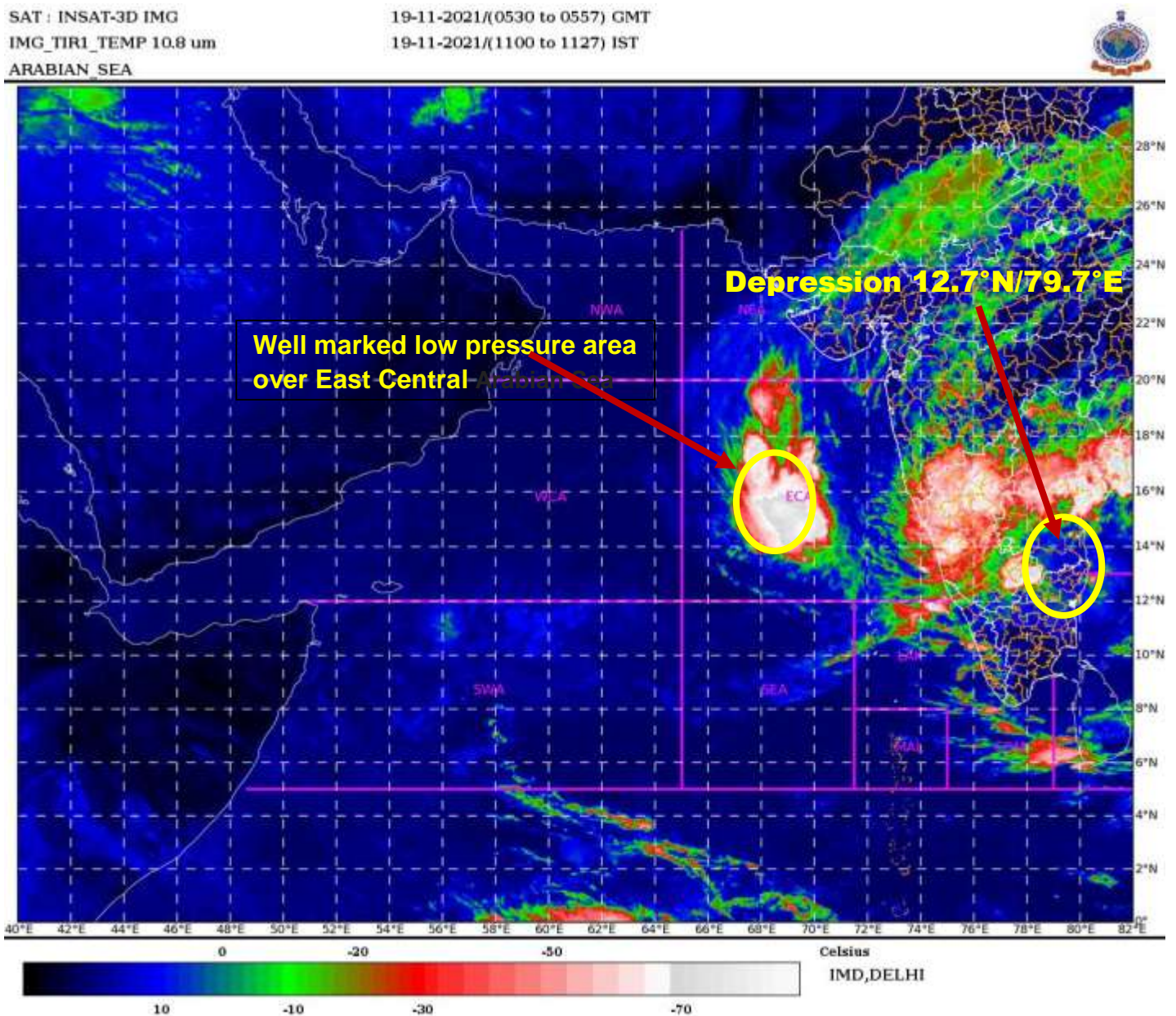
- Fishermen are advised not to venture into Eastcentral Arabian Sea on 19th and 20th .
(Graphics enclosed).

Next Bulletin will be issued at 1430 IST of today, the 19th November 2021.

(DR RK JENAMANI)
Scientist-F, RSMC, New Delhi

Copy to: ACWC Mumbai/ CWC Ahmedabadr/MC Goa/CWC Thiruvananthapuram.MC
Amarawati/CWC Visakhapatnam

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





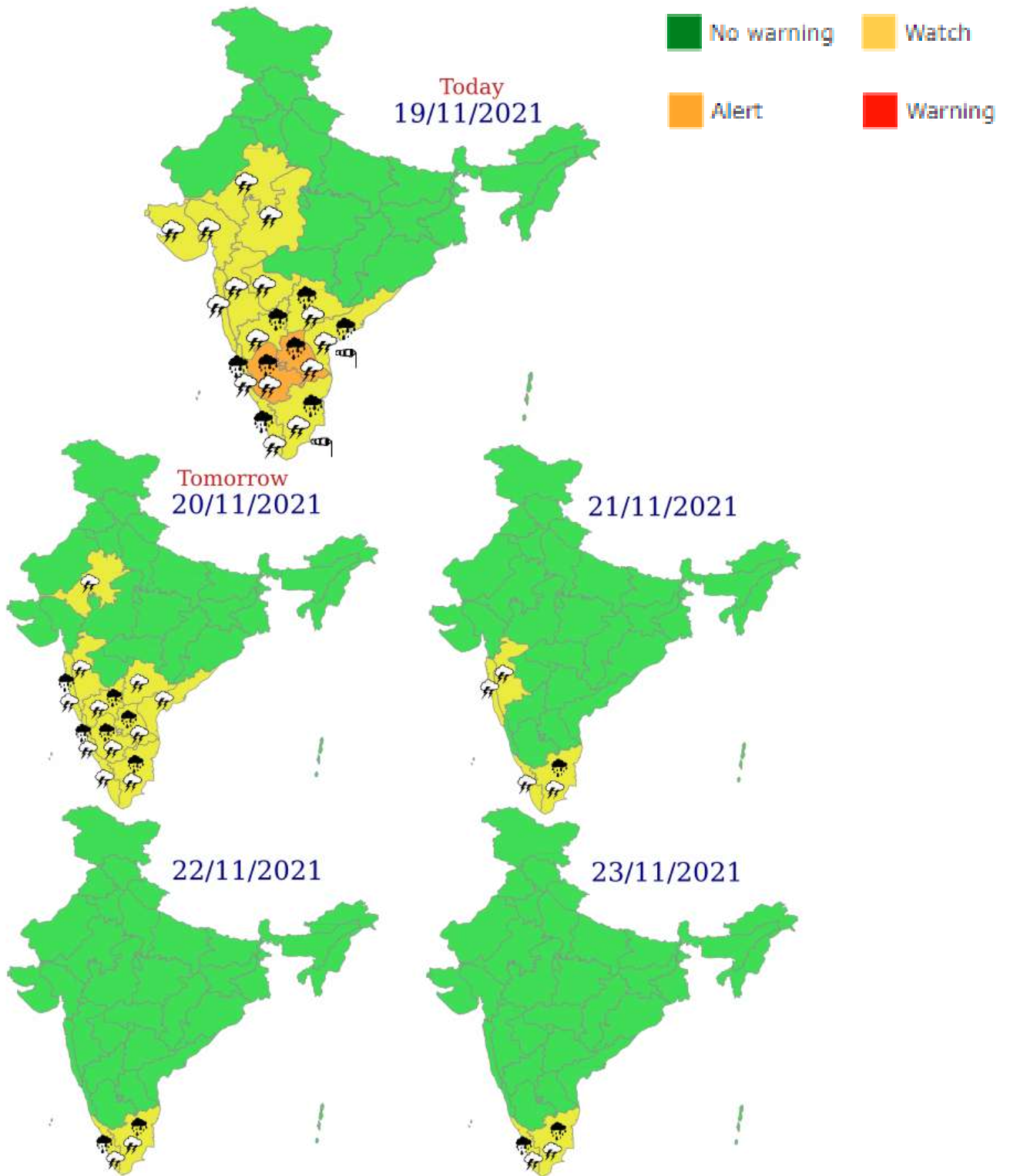
OBSERVED AND FORECAST TRACK OF DEPRESSION OVER NORTH TAMILNADU AND NEIGHBOURHOOD BASED ON 0300 UTC OF 19TH NOVEMBER, 2021



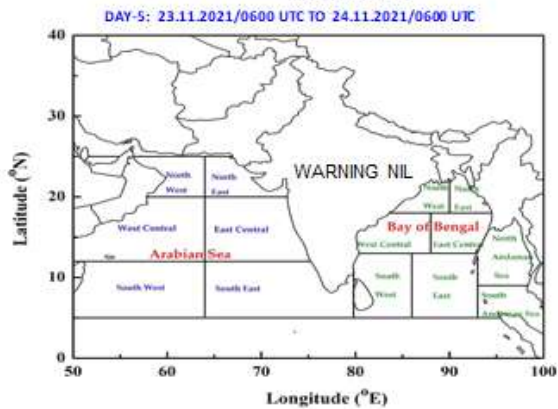
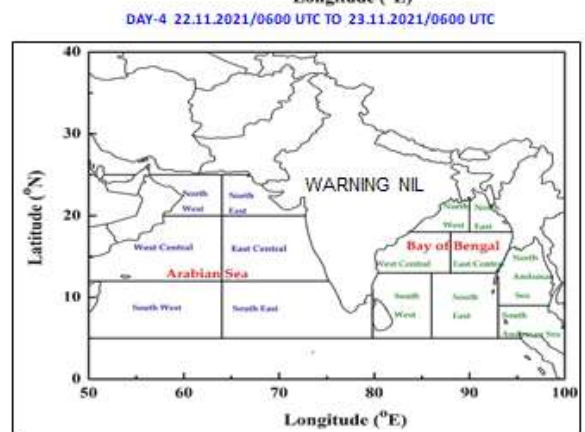
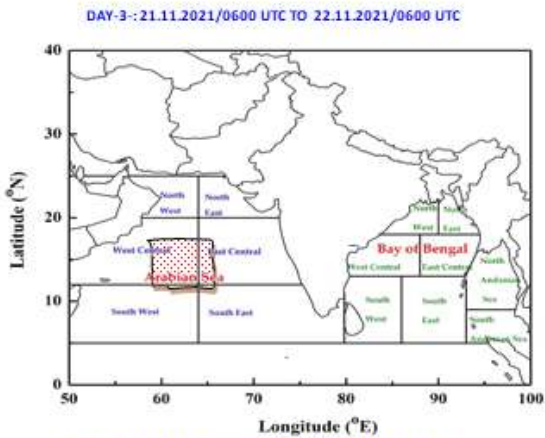
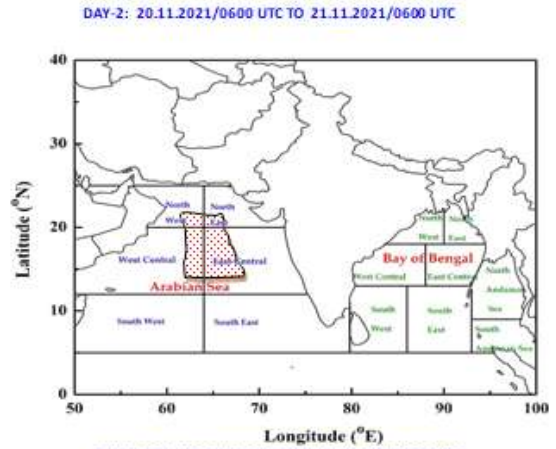
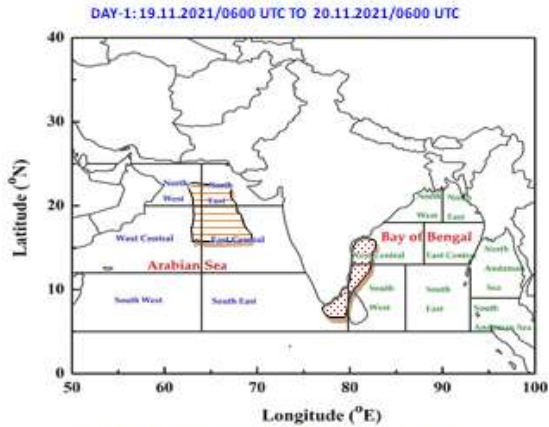
DATE/TIME IN UTC
IST=UTC + 0530
L: LOW PRESSURE AREA
WML: WELL MARKED LOW PRESSURE AREA
D: DEPRESSION (17-27 KT)
DD: DEEP DEPRESSION (28-33 KT)
CS: CYCLONIC STORM (34-47 KT)
SCS: SEVERE CYCLONIC STORM (48-63KT)
VSCS: VERY SEVERE CYCLONIC STORM (64-89 KT)
ESCS: EXTREMELY SEVERE CYCLONIC STORM (90-119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



AREA UNDER FISHERMEN WARNING

- 40-50 KMPH GUSTING TO 60 KMPH (SQUALLY WEATHER)
- 45-55 KMPH GUSTING TO 60 KMPH (SQUALLY WEATHER)
- 55-65 KMPH GUSTING TO 70 KMPH (STRONG WIND)