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Ministry of Home Affairs
Disaster Management Division
(National Emergency Response Centre)

Advisory-29
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Fax Message

To : Chief Secretary, Kerala, Odisha, Andhra Pradesh, Tamilnadu, Telangana, Andaman & Nicobar Islands, West Bengal and Puducherry
Info : Relief Commissioner, Kerala, Odisha, Andhra Pradesh, Tamilnadu, Telangana, Andaman & Nicobar Islands, West Bengal and Puducherry
From : NERC, Ministry of Home Affairs, New Delhi

Sub: Very Severe Cyclonic Storm "NIVAR" over southwest Bay of Bengal—(Cyclone Warning for Tamilnadu and Puducherry coasts- Red Message)

The very **severe cyclonic storm NIVAR** over southwest Bay of Bengal moved northwestwards with a speed of 16 kmph during past six hours and lay centred at 2330 hrs IST of 25th November, 2020 over southwest Bay of Bengal near latitude 12.0°N and longitude 80.1°E, about 45 km east-northeast of Cuddalore, about 30 km east of Puducherry and 110 km south-southwest of Chennai.

Latest observation indicates that landfall process continues. Majority of convective clouds have entered into land and system is interacting with land surface. The center of the cyclone very likely to cross coast near Puducherry within 1-2 hours with wind speed of 120-130 kmph gusting to 145 kmph.

The Cyclone is being monitored by Doppler Weather Radar at Chennai, Karaikal and Sriharikota. Forecast track and intensity are given below:

Date/Time(IST)	Position (Lat. °N/ long. °E)	Maximum sustained surface wind speed (Kmph)	Category of cyclonic disturbance
25.11.20/2330	12.0/80.1	120-130 gusting to 145	Very Severe Cyclonic Storm
26.11.20/0530	12.5/79.5	80-90 gusting to 100	Cyclonic Storm
26.11.20/1130	13.0/79.0	55-65 gusting to 75	Deep Depression
26.11.20/1730	13.5/78.6	35-45 gusting to 55	Depression
27.11.20/2330	13.9/78.2	20-30 gusting to 40	Low Pressure Area

Warnings:

(i) Rainfall

Fairly widespread to widespread rainfall/thunderstorm activity very likely over coastal and north interior Tamilnadu, Puducherry & Karaikal, south coastal Andhra Pradesh and Rayalaseema during 25th and 26th November and southeast Telangana during 26th November, 2020. Isolated extremely heavy rainfall activity also very likely over coastal & north interior Tamilnadu & Puducherry (**Thanjavur, Tiruvarur, Nagapattinam, Cuddalore, Chennai, Kanchipuram, Chengalpattu, Myladuthirai, Ariyalur, Perambalur, Kallakurchi, Villupuram, Tiruvannamalai, Puducherry and Karaikal districts**) during 25th; over **Nellore and Chittoor districts** of Andhra Pradesh on 25th and over **Ranipet, Tiruvannamalai, Tirupattur, Vellore districts** of Tamilnadu; **Chittoor, Kurnool, Prakasam and Cuddappa districts** of Andhra Pradesh and adjoining southeast Telangana on 26th November, 2020.

(ii) Wind warning

- Gale wind speed reaching 120-130 kmph gusting to 145 kmph is prevailing over Southwest Bay of Bengal. Wind speed of 120-130 kmph gusting to 145 kmph very likely to prevail during next 03 hours and gradually reduce to 80-90 kmph gusting to 100 kmph by early morning of 26th November.
- Gale wind speed reaching 90-100 kmph gusting to 110 kmph is prevailing along & off north Tamil Nadu, and Puducherry Karaikal coast. Gale wind speed reaching 120-130 kmph gusting to 145 kmph likely along & off coastal districts of north Tamil Nadu & Puducherry (**Puducherry, Villupuram & Chengalpattu**) and 80-90 gusting to 100 kmph very likely over **Nagapattinam, Karaikal, Myladuthurai, Cuddalore, Tiruvarur, Kanchipuram, Chennai & Tiruvallur districts** of Tamilnadu during next 03 hours and gradual decrease thereafter.

- Squally wind speed reaching 60-70 kmph gusting to 80 kmph along and off south Tamilnadu and south Andhra Pradesh coast and over Gulf of Mannar.
- Gale wind speed reaching 65-75 kmph gusting to 85 kmph very likely over adjoining westcentral Bay of Bengal and along & off South Andhra Pradesh (Nellore & Chittoor districts), Gulf of Mannar and along and off south coastal districts of Tamil Nadu during next 06 hours and decrease thereafter.

(iii) Sea condition

- Sea condition is very high to phenomenal over Southwest Bay of Bengal, along & off Tamil Nadu, Puducherry, south Andhra Pradesh coasts and over Gulf of Mannar. It will become high to very high after 03 hours for subsequent 03 hours and improve thereafter.

(iv) Storm Surge Warning

- Tidal wave of about 1-1.5m height above the astronomical tide is very likely to inundate the low lying areas of north coastal districts of Tamilnadu & Puducherry near the place of landfall.

(v) (a) Damage expected over Nagapattinam, Myladuthurai, Cuddalore, Villupuram & Chengalpattu districts of Tamilnadu and Karaikal & Puducherry:

- Total destruction of thatched houses/ extensive damage to kutcha houses. Some damage to old pucca houses. Potential threat from flying objects.
- Bending/ uprooting of power and communication poles.
- Major damage to Kutcha and Pucca roads. Flooding of escape routes. Disruption of railways, overhead power lines and signaling systems.
- Widespread damage to standing crops, plantations, orchards, falling of green coconuts and tearing of palm fronds. Blowing down of bushy trees like mango.
- Small boats, country crafts may get detached from moorings.
- Visibility severely affected.

(b) Damage expected over Tiruvarur, Kanchipuram, Chennai, Tiruvallaur districts of Tamilnadu and adjoining Andhra Pradesh:

- Damage to thatched houses/ huts with possibility of roof tops being blown off and unattached metal sheets may fly.
- Damage to power and communication lines.
- Damage to Kutcha and some damage to Pucca roads. Flooding of escape routes.
- Breaking of tree branches, uprooting of trees. Severe damage to banana and papaya trees, horticulture and crops & orchards. Large dead limbs blown from trees.
- Major damage to coastal crops. Damage to embankments/ salt pans.

(vi) Fishermen Warning & Action Suggested:

- Total suspension of fishing operations.
- Mobilise evacuation from coastal areas. Coastal hutment dwellers to be moved to safer places.
- People in affected areas to remain in safe places and indoors.
- Judicious regulation of rail, road and air traffic.
- Movement in motor boats and small ships unsafe.


(vii) POST LANDFALLOUTLOOK FOR INTERIOR DISTRICTS (RANIPET, TIRUVANNAMALAI, TIRUPATTUR, VELLORE AND CHITTOOR)

1. Even after landfall, the system is likely to maintain its cyclone intensity for about 6 hours and weaken gradually.
2. Under its influence rainfall at most/many places with heavy to very heavy falls at a few places with isolated extremely heavy falls likely to occur over Ranipet, Tiruvannamalai, Tirupattur, Vellore districts of Tamilnadu and Chittoor, Kurnool, Prakasam; Cuddappa districts of Andhra Pradesh and adjoining southeast Telangana on 26.th Nov. Heavy to very heavy rainfall at isolated paces likely over remaining districts of north interior Tamilnadu, south Andhra Pradesh and southeast Telangana.
3. Gale wind speed reaching 65-75 kmph gusting to 85 kmph very likely to prevail over interior districts (Ranipet, Tiruvannamalai, Tirupattur, Vellore) of Tamilnadu and Chittoor district of Andhra Pradesh during 26th Nov early morning to forenoon.
4. **Damage expected over Ranipet, Tiruvannamalai, Tirupattur, Vellore districts of Tamilnadu and Chittoor, Kurnool, Prakasam and Cuddappa districts of Andhra Pradesh:**

- Partial damage to thatched houses/ huts with possibility of roof tops being blown off and unattached metal sheets may fly.
- Partial damage to power and communication lines.
- Damage to Kutcha and some damage to Pucca roads. Flooding of escape routes.
- Breaking of tree branches, uprooting of small trees. Damage to banana and papaya trees, horticulture and crops & orchards.

5. People are advised to remain indoors/in safe places and cooperate with state government officials and disaster management agencies.

2. In view of above, State Governments are advised to keep a close watch, monitor the situation in their areas regularly and take appropriate precautionary measures. District authorities are to be advised accordingly. It is also requested that MHA may be kept informed about any developments in this regard at NERC Control Room telephone numbers- 23438252, 23438253, and Fax No- 23438254.


26/11/2020
Officer-In-Charge
NERC, MHA

Copy to:

- 1. Resident Commissioner, Kerala, Odisha, Andhra Pradesh, Tamilnadu, Telangana, Andaman & Nicobar Islands, West Bengal and Puducherry**
- 2. PPS to HS, PPS to Member Secretary NDMA, PPS to AS (UT)/PS to JS (DM), DG NDRF**