

No. 40-4/2017-DM-1(A)
Ministry of Home Affairs
Disaster Management Division
(National Emergency Response Centre)

Advisory-20
Time of Issue: 2300 hours
Dated 24 November'2020

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

The cyclonic storm 'NIVAR' over southwest Bay of Bengal moved westwards with a speed of 05 kmph during past six hours and lay centred at 2030 hrs IST of 24th November, 2020 over southwest Bay of Bengal near latitude 10.0°N and longitude 82.3°E, about 340 km east-southeast of Cuddalore, about 350 km southeast of Puducherry and 400 km east southeast of Chennai. It is very likely to intensify further into a severe cyclonic storm during next 06 hours and into a very severe cyclonic storm during subsequent 12 hours.

It is very likely to move west-northwestwards for next 06 hours and then northwestwards. It is very likely to cross Tamil Nadu and Puducherry coasts between Karaikal and Mamallapuram around Puducherry during 25th November 2020 late evening as a very severe cyclonic storm with a wind speed of 120-130 kmph gusting to 145 kmph.

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
24.11.20/2030	10.0/82.3	85-95 gusting to 105	Cyclonic Storm
24.11.20/2330	10.1/82.0	95-105 gusting to 115	Severe Cyclonic Storm
25.11.20/0530	10.4/81.4	110-120 gusting to 135	Severe Cyclonic Storm
25.11.20/1130	11.0/80.7	120-130 gusting to 145	Very Severe Cyclonic Storm
25.11.20/1730	11.5/80.1	120-130 gusting to 145	Very Severe Cyclonic Storm
26.11.20/0530	12.3/79.2	70-80 gusting to 90	Very Severe Cyclonic Storm
26.11.20/1730	13.1/78.3	50-60 gusting to 70	Deep Depression
27.11.20/0530	13.9/77.4	35-45 gusting to 55	Depression

Warnings:

(i) Rainfall

Fairly widespread to widespread rainfall/thunderstorm activity very likely over coastal and north interior Tamilnadu, Puducherry & Karaikal during 24th to 26th November and over south coastal Andhra Pradesh, Rayalaseema during 25th to 26th and southeast Telangana during 26th November, 2020. Isolated extremely heavy rainfall activity also very likely over coastal & north interior Tamilnadu & Puducherry (Pudukottai, Thanjavur, Tiruvarur, Karaikal, Nagapattinam, Cuddalore, Chennai, Kanchipuram, Chengalpattu, Myladuthirai, Ariyalur & Perambalur districts during 24th and Kadalur, Kallakurchi, Puducherry,

Villupuram, Tiruvannamalai, Myladuthirai, Chennai, Kanchipuram, Chengalpattu, Ariyalur, Perambalur and Karaikal districts during 25th; over Nellore and Chittoor districts of Andhra Pradesh on 25th and over Rayalseema & southeast Telangana on 26th November, 2020.

(ii) Wind warning

- Gale wind speed reaching 85-95 kmph gusting to 105 kmph is prevailing over Southwest Bay of Bengal. It would further increase becoming 110-120 kmph gusting to 135 kmph over the southwest Bay of Bengal from 25th November morning increasing to 120-130 kmph gusting to 145 kmph during noon to night of 25th November.
- Squally wind speed reaching 35-45 kmph gusting to 55 kmph is prevailing along & off Tamil Nadu, Puducherry and adjoining South Andhra Pradesh coast and over Gulf of Mannar. It will gradually increase and become gale wind speed reaching 65-75 kmph gusting to 85 kmph from morning of 25th November and 120-130 kmph gusting to 145 kmph along & off coastal districts of north Tamil Nadu and Puducherry (**Nagapattinam, Karaikal, Myladuthurai, Cuddalore, Puducherry, Villupuram & Chengalpattu districts**; 80-90 gusting to 100 kmph very likely over Tiruvarur, Kanchipuram, Chennai, Tiruvallur districts) during noon to night of 25th November, 2020.
- 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 forenoon to night of 25th November, 2020.

(iii) Sea condition

- Sea condition is high over Southwest Bay of Bengal and rough to very rough along & off Tamil Nadu, Puducherry, south Andhra Pradesh coasts and over Gulf of Mannar. It would gradually become very high over the southwest Bay of Bengal from 24th November night and phenomenal over the same area from noon to night of 25th November.

(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 and Pucca roads. Flooding of escape routes. Disruption of railways, overhead powerlines and signalling 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.

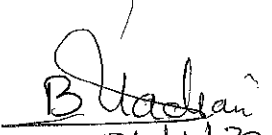
(v) (b) Damage expected over Tiruvarur, Kanchipuram, Chennai, Tiruvallaur districts of Tamilnadu and adjoining Andhra Pradesh:

- 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.

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.


24/11/20
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**