

भारत सरकार  
भारतीय मौसम विज्ञान विभाग  
प्रादेशिक मौसम विज्ञान केन्द्र  
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GOVERNMENT OF INDIA  
INDIA METEOROLOGICAL DEPARTMENT  
**Regional Meteorological Centre**  
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**Date : 24<sup>th</sup> November 2020**

**Time of Issue: 15:30 IST**

**From: REGIONAL METEOROLOGICAL CENTRE, CHENNAI**

**To:**

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The Chief Secretary, Puducherry  
The Commissioner-cum-Secretary (Revenue), Puducherry  
The Special Secretary to Government-cum- District Collector, Puducherry  
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**Special weather bulletin No. 4**

**Cyclonic storm 'Nivar' over southwest Bay of Bengal—Cyclone Warning for Tamil Nadu and Puducherry coasts**

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 1130 hrs IST of 24<sup>th</sup> November, 2020 over southwest Bay of Bengal near latitude 10.0°N and longitude 82.7°E, about 380 km east-southeast of Puducherry and 430 km south-southeast of Chennai. It is very likely to intensify further into a severe cyclonic storm during next 12 hours and into a very severe cyclonic storm during subsequent 12 hours.

It is very likely to move west-northwestwards for next 12 hours and then northwestwards. It is very likely to cross Tamil Nadu and Puducherry coasts between Karaikal and Mamallapuram around Puducherry during 25<sup>th</sup> November 2020 late evening as a very severe cyclonic storm with a wind speed of 120-130 kmph gusting to 145 kmph.

**(i) Heavy Rainfall Warning**

**24.11.2020:** Extremely heavy rainfall is likely to occur at isolated places over Nagapattinam, Myladuthurai districts and Karaikal area. Heavy to very heavy rain is likely to occur at isolated places over Tiruvarur, Thanjavur, Cuddalore, Villupuram, Chengalpattu, Kanchipuram, Chennai, and Thiruvallur districts and Puducherry. Heavy rain is also likely at isolated places over Ariyalur, Kallakuruchi and Thiruvannamalai districts.

**25.11.2020:** Extremely heavy rainfall is likely to occur at isolated places over Myladuthurai, Ariyalur, Perambalur, Cuddalore, Villupuram. Kallapurichi, Thiruvannamalai districts and Puducherry. Heavy to very heavy rain is likely to occur at isolated places over Nagapattinam, Tiruvarur, Thanjavur, Trichy, Salem, Erode, Namakkal, Dharmapuri, Krishnagiri, Vellore, Tirupattur, Ranipet, Chengalpattu, Kanchipuram, Chennai and Tiruvallur districts.

**26.11.2020:** Heavy rain at isolated places is likely over Chengalpattu, Villupuram, Nagapattinam, Tiruvarur, Thanjavur and Pudukkottai districts.

#### **(ii) Wind warning**

- Gale wind speed reaching 75-85 kmph gusting to 95 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 25<sup>th</sup> November morning increasing to 120-130 kmph gusting to 145 kmph during noon to night of 25<sup>th</sup> November.
- Squally wind speed reaching 30-40 kmph gusting to 50 kmph is prevailing along & off Tamil Nadu and Puducherry coasts and over Gulf of Mannar. Wind speed will gradually increase and become gale wind speed reaching 65-75 kmph gusting to 85 kmph from morning of 25<sup>th</sup> 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 25<sup>th</sup> 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 25<sup>th</sup> 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 24<sup>th</sup> November night and phenomenal over the same area from noon to night of 25<sup>th</sup> 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 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, Tiruvallur districts of Tamilnadu:**

- 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.

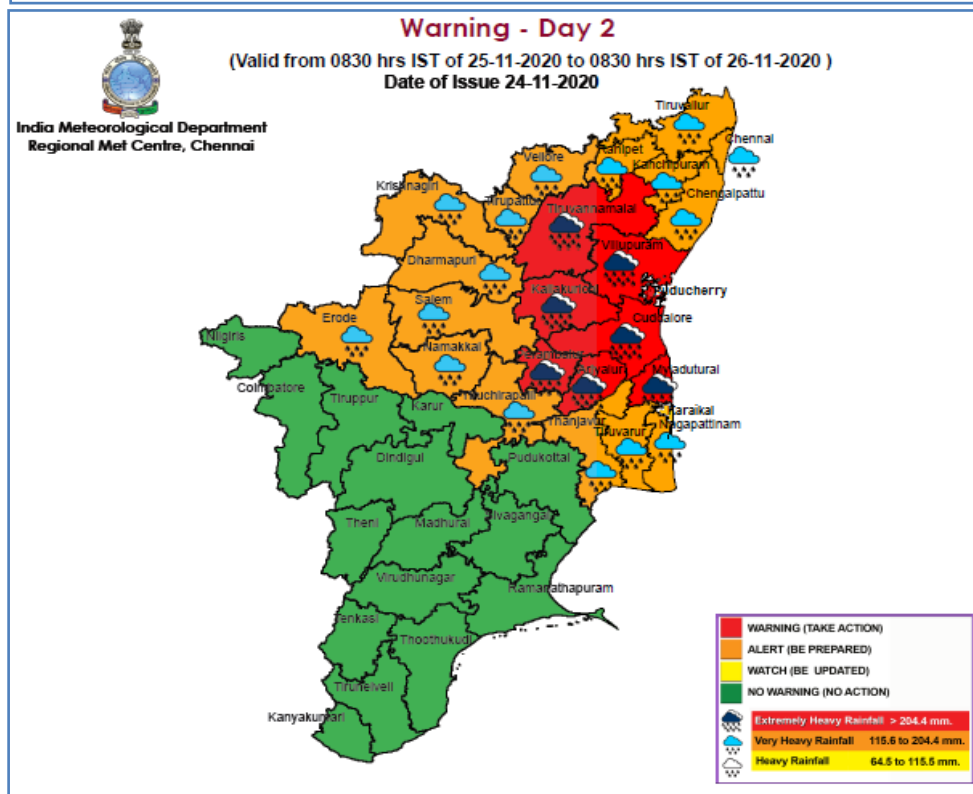
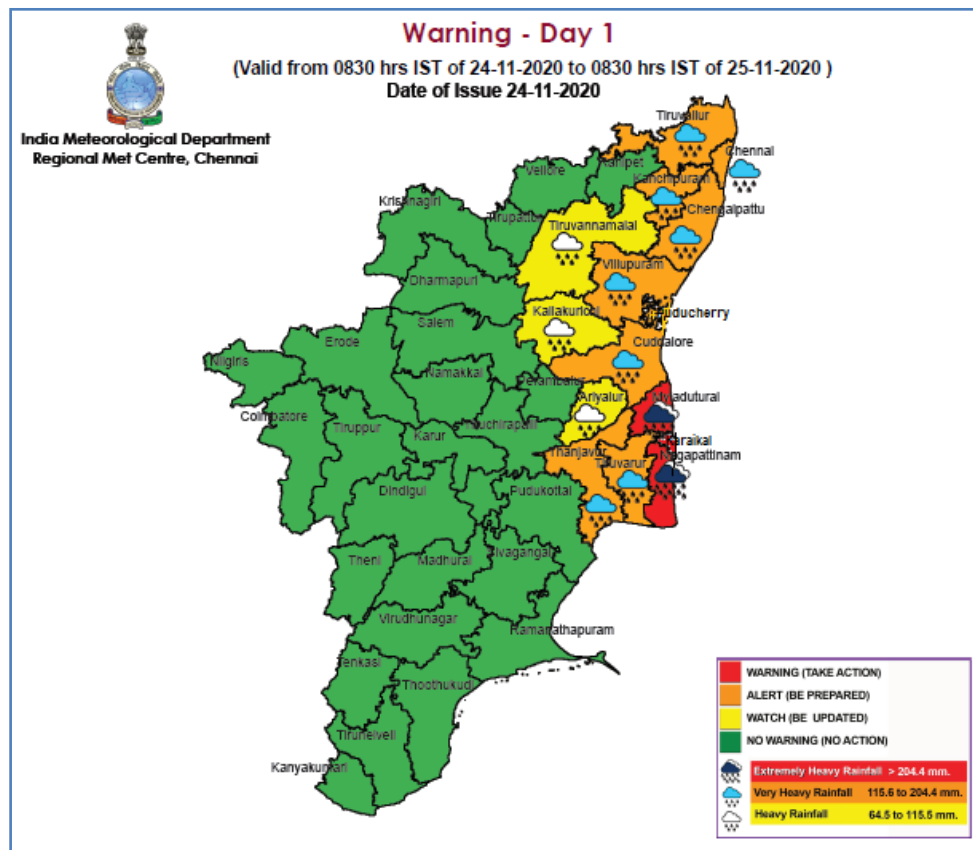
**(vi) Fishermen Warning & Action Suggested:**

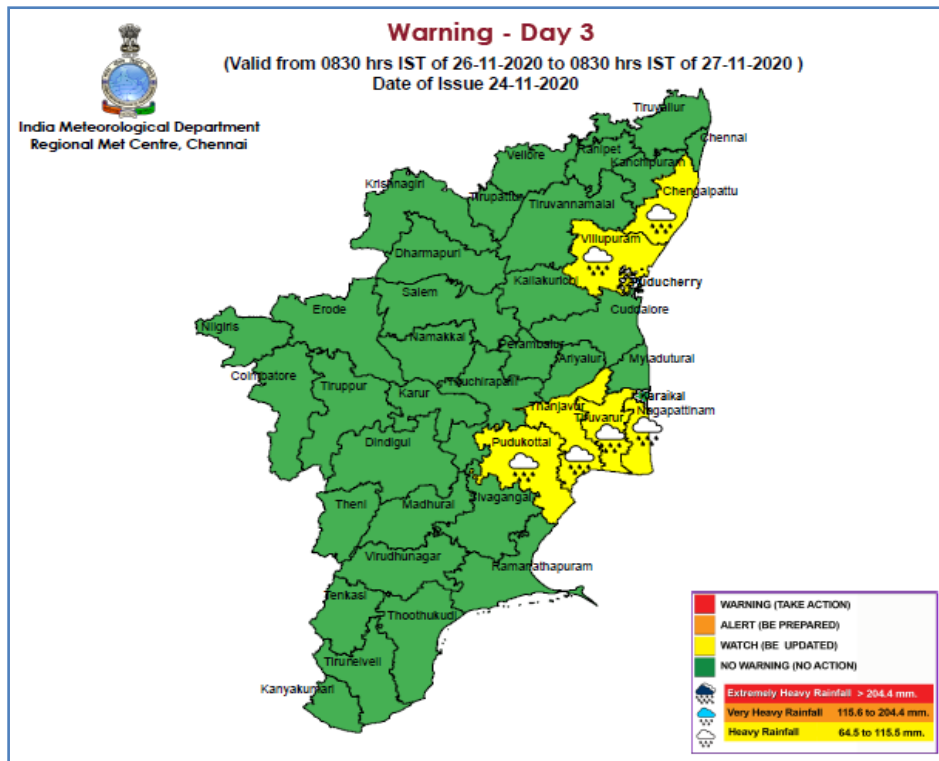
- Total suspension of fishing operations.
- Mobilise evacuation from coastal areas. Coastal hutment dwellers to be moved to safer places.
- People in affected areas to remain in safe places and indoors.
- Judicious regulation of rail, road and air traffic.
- Movement in motor boats and small ships unsafe.

IMD is continuously monitoring the weather situation and updates would be sent as and when required. For further details kindly visit [www.imdchennai.gov.in](http://www.imdchennai.gov.in)

**S.BALACHANDRAN**  
**Scientist-F & Head**  
**Regional Meteorological Centre, Chennai**

## Heavy Rainfall Warning





### Wind warning:

