

भारत सरकार
भारतीय मौसम विज्ञान विभाग
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GOVERNMENT OF INDIA
INDIA METEOROLOGICAL DEPARTMENT
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From: REGIONAL METEOROLOGICAL CENTRE, CHENNAI

To:

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Special bulletin No. 11/02BOB

**Cyclonic Storm 'Burevi' over southwest Bay of Bengal:
Cyclone Warning for South Tamil Nadu and South Kerala coasts**

The **Cyclonic Storm 'Burevi'** over southwest Bay of Bengal moved west-northwestwards with a speed of 25 kmph during past six hours and lay centered at 1130 hrs IST of today, the 02nd December 2020 over southwest Bay of Bengal near Lat. 8.7°N and Long. 82.5°E, about 140 km nearly east of Trincomalee (Sri Lanka), 370 km east-southeast of Pamban (India) and 550 km nearly east-northeast of Kanniyakumari (India).

It is very likely to move west-northwestwards and cross Sri Lanka coast around latitude 9.0°N, to north of Trincomalee during evening/night of 2nd December as a Cyclonic Storm with a wind speed of 80-90 kmph gusting to 100 kmph. It is very likely to move nearly west-northwestwards thereafter, emerge into Gulf of Mannar and adjoining Comorin area on 3rd December morning.

The Cyclonic Storm with wind speed of 70-80 gusting to 90 kmph would be centered very close to Pamban around noon of 3rd December.

It would then move nearly west-southwestwards across Pamban area by afternoon and cross south Tamilnadu coast between Pamban and Kanniyakumari during 3rd December night and 4th December early morning as a Cyclonic Storm with wind speed of 70-80 gusting to 90 kmph. Thus its impact on south Tamilnadu coastal

districts is very likely to commence from 3rd December forenoon initially over Ramanathapuram district and gradually towards Kanniyakumari district.

(i) Heavy rainfall warning:

02.12.2020: Rainfall at most places with heavy to very heavy rain at a few places with extremely heavy falls at isolated places is very likely over **Kanniyakumari, Tirunelveli, Thoothukudi, Tenkasi, Ramanathapuram and Sivagangai** districts. Heavy to very heavy rain is likely at isolated places over Pudukottai, Thanjavur, Thiruvarur, Nagapattinam, Karaikal, Myladudurai, Cuddalore, Puducherry and Villupuram districts. Heavy rain is also likely at isolated places over Kanchipuram and Chengalpattu districts.

03.12.2020: Rainfall at most places with heavy to very heavy rain at a few places with extremely heavy falls at isolated places is very likely over **Kanniyakumari, Tirunelveli, Thoothukudi, Tenkasi, Ramanathapuram and Sivagangai** districts. Heavy to very heavy rain is likely at isolated places over Virudhunagar, Madurai, Theni and Dindigul districts.

(ii) Wind warning

- Gale wind speed reaching 80-90 kmph gusting to 100 kmph would continue to prevail over southwest Bay of Bengal and along & off Sri Lanka coast during next 12 hours. It will gradually decrease thereafter.
- Squally wind speed reaching 45-55 kmph gusting to 65 kmph very likely over Comorin Area, Gulf of Mannar and along and off south Tamilnadu coast (**Ramanathapuram, Thoothukudi, Tirunelveli and Kanniyakumari districts**) and south Kerala coast.
- It will gradually increase becoming 55-65 kmph gusting to 75 kmph from 2nd December evening and 70-80 kmph gusting to 90 kmph from 3rd December forenoon for subsequent 24 hours and decrease thereafter.
- Squally wind speed reaching 45-55 kmph gusting to 65 kmph very likely over Lakshadweep-Maldives area and adjoining southeast Arabian Sea from 3rd December morning for next 48 hours.

(iii) Sea condition

- Sea conditions is very rough to high over southwest Bay of Bengal and along & off east Sri Lanka coast and the same will continue till mid-night of 3rd December morning and gradually improve thereafter.
- It will be rough to very rough over Comorin Area, Gulf of Mannar, along & off south Tamilnadu-Kerala and west Sri Lanka coast on 2nd and very rough to high on 3rd and 4th December.
- Sea condition will be rough to very rough over Lakshadweep-Maldives area and adjoining southeast Arabian Sea during 3rd – 5th December.

(iv) Storm Surge warning:

- Storm surge of about **1.0 m height above astronomical tide** is very likely to inundate low lying areas of **Ramanathapuram, Thoothukudi, Tirunelveli and Kanniyakumari** districts during the time of landfall.

(v) Damages expected over Kanniyakumari, Tirunelveli, Thoothukudi and Ramanathapuram districts

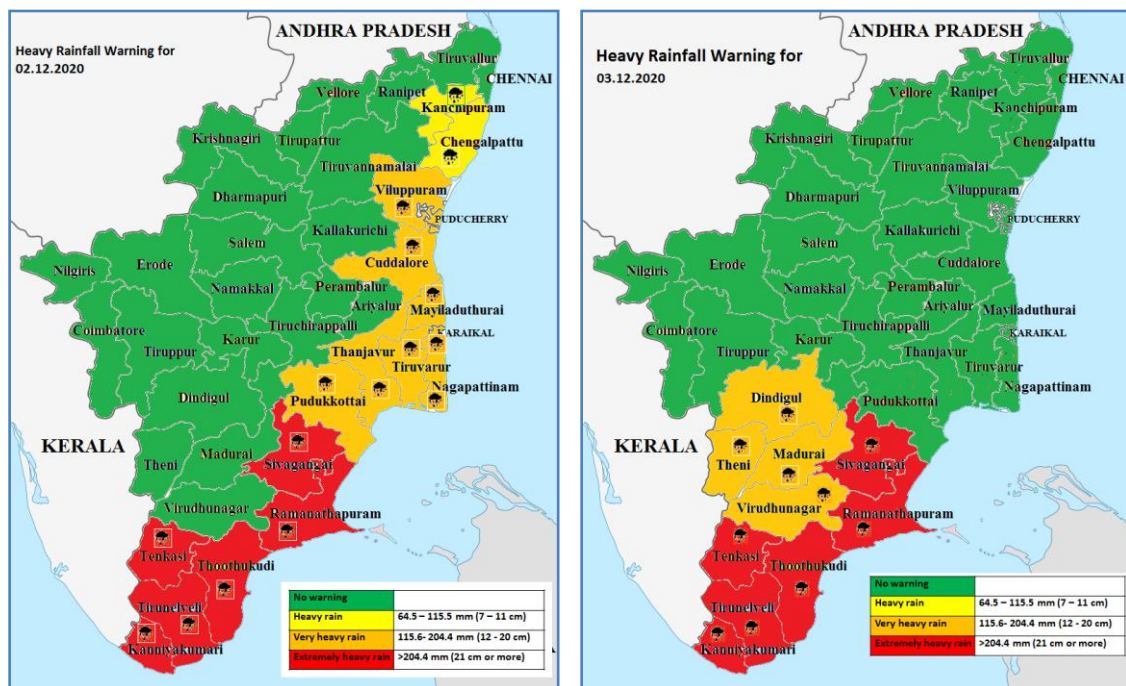
- Damage to thatched huts.
- Minor damage to power and communication lines due to breaking of branches.
- Major damage to Kutcha and minor damage to Pucca roads.
- Some damage to paddy crops, banana, papaya trees and orchards.
- Sea water inundation in low lying areas after erosion of Kutcha embankments.

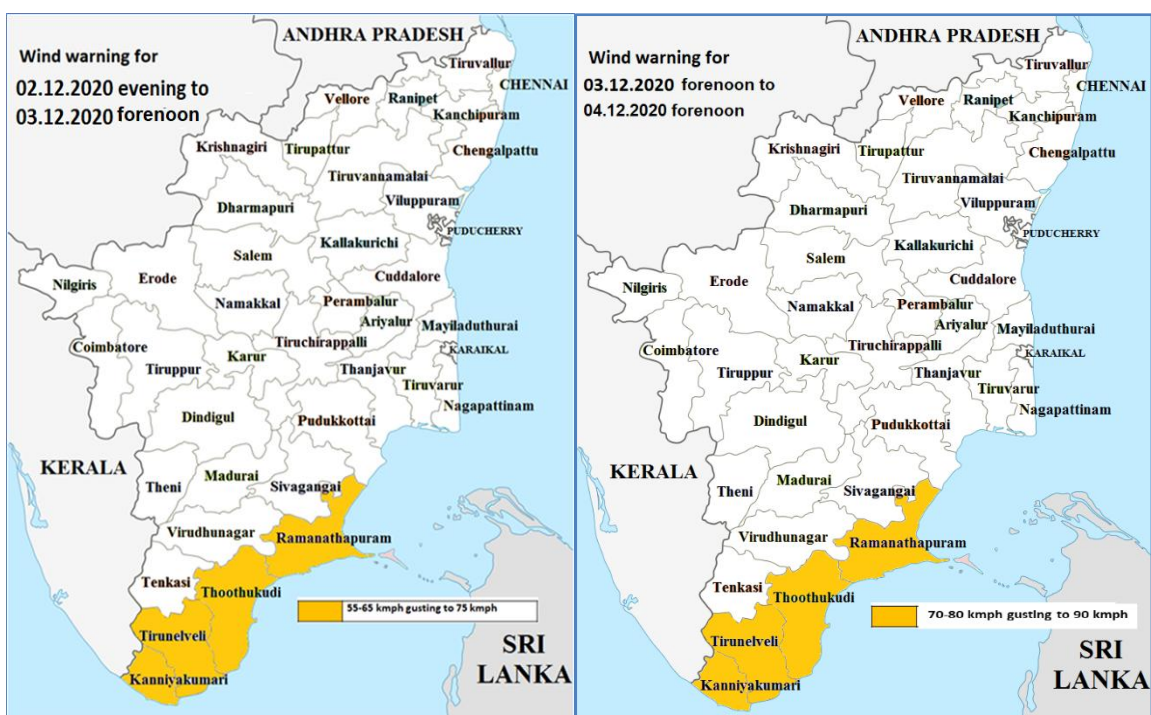
(vi) Fishermen Warning & Action suggested

- Total suspension of fishing operation during 2nd to 5th December over the areas as mentioned below.
- Fishermen are advised not to venture into southwest Bay of Bengal and along & off east Sri Lanka coast from 2nd to 3rd December; Comorin Area, Gulf of Mannar and south Tamilnadu-Kerala and west Sri Lanka coasts from 2nd to 4th December, over Lakshadweep-Maldives area & adjoining southeast Arabian Sea from 3rd to 5th December.

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.

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





LEGEND:

Spatial rainfall distribution:

% Stations reporting Rainfall	Category
76-100	Widespread (WS/ most places)
51-75	Fairly Widespread (FWS/ many places)
26-50	Scattered (SCT/ few places)
1 -25	Isolated (ISOL)
No Rain	Dry

Rainfall intensity:

Light rain	0.1-7.6 mm (upto 1 cm)
Moderate rain	7.7-64.4 mm (2- 6 cm)
Heavy rain	64.5 – 115.5 mm (7 – 11 cm)
Very heavy rain	115.6- 204.4 mm (12 - 20 cm)
Extremely heavy rain	>204.4 mm (21 cm or more)

Districts:

North Tamil Nadu (NTN) districts	Chennai, Kancheepuram, Chengalpattu, Tiruvallur, Cuddalore, Villupuram, Kallakurichi, Thanjavur, Tiruvarur, Nagapattinam, Pudukkottai, Vellore, Thirupattur, Ranipet, Tiruvannamalai, Krishnagiri, Salem, Dharmapuri, Namakkal, Nilgiris, Tiruppur, Coimbatore, Erode, Karur, Tiruchirappalli, Ariyalur, Perambalur.
South Tamil Nadu (STN) districts	Ramanathapuram, Tirunelveli, Thenkasi, Thoothukudi, Theni, Kanyakumari, Sivagangai, Virudhunagar, Dindigul, Madurai.
Coastal Tamil Nadu (CTN) districts	Chennai, Kancheepuram, Chengalpattu, Tiruvallur, Cuddalore, Villupuram, Thanjavur, Tiruvarur, Nagapattinam, Pudukkottai, Ramanathapuram, Tirunelveli, Thoothukudi, Kanyakumari.

Interior Tamil Nadu (ITN) districts	Vellore, Tiruvannamalai, Kallakurichi, Krishnagiri, Dharmapuri, Salem, Namakkal, Nilgiris, Tiruppur, Coimbatore, Erode, Karur, Tiruchirapalli, Ariyalur, Perambalur, Sivagangai, Virudhunagar, Theni, Dindigul, Madurai, Thenkasi.
North Interior Tamil Nadu (NITN) districts	Vellore, Thirupattur, Ranipet, Tiruvannamalai, Kallakurichi, Krishnagiri, Dharmapuri, Salem, Namakkal, Nilgiris, Tiruppur, Coimbatore, Erode, Karur, Tiruchirapalli, Ariyalur, Perambalur.
South Interior Tamil Nadu (SITN) districts	Sivagangai, Virudhunagar, Theni, Dindigul, Madurai, Thenkasi.
North Coastal Tamil Nadu (NCTN) districts	Chennai, Kancheepuram, Chengalpattu, Tiruvallur, Cuddalore, Villupuram, Kallakurichi, Thanjavur, Tiruvarur, Nagapattinam, Pudukottai.
South Coastal Tamil Nadu (SCTN) districts	Ramanathapuram, Tirunelveli, Thoothukudi, Kanyakumari.
Delta districts	Thanjavur, Tiruvarur, Nagapattinam
Puducherry (PDC)	Puducherry and Karaikal