

भारतसरकार  
भारतीयमौसमविज्ञानविभाग  
प्रादेशिकमौसमविज्ञानकेन्द्र  
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GOVERNMENT OF INDIA  
INDIA METEOROLOGICAL DEPARTMENT  
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Date: 02<sup>nd</sup> December 2020

Time of Issue: 12:15 IST

**From: REGIONAL METEOROLOGICAL CENTRE, CHENNAI**

**To:**

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**Special bulletin No. 10/02BOB**

**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 18 kmph during past six hours and lay centered at 0830 hrs IST of today, the 02<sup>nd</sup> December 2020 over southwest Bay of Bengal near Lat. 8.6°N and Long. 83.0°E, about 200 km east of Trincomalee (Sri Lanka), 420 km east-southeast of Pamban (India) and 600 km nearly east-northeast of Kanniyakumari (India).

It is very likely to intensify further during next 12 hours. 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 2<sup>nd</sup> 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 3<sup>rd</sup> 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 3<sup>rd</sup> December.

It would then move nearly west-southwestwards very close to coast slowly and cross south Tamilnadu coast between Kanniyakumari and Pamban during 3<sup>rd</sup> December night and 4<sup>th</sup> December early morning as a Cyclonic Storm with wind speed of 70-80 gusting to 90 kmph. Thus its impact on south Tamil Nadu coastal districts is

very likely to commence from 3<sup>rd</sup> 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, Virudhunagar, Madurai, Thanjavur, Thiruvarur, Nagapattinam, Karaikal, Myladudurai, Cuddalore, Ariyalur and Perambalur districts. Heavy rain is also likely at isolated places over Kanchipuram, Thrivallur, Namakkal, Karur, Dindugal 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 district.

**(ii) Wind warning**

- Gale wind speed reaching 75-85 kmph gusting to 95 kmph prevails over southwest Bay of Bengal and along & off Sri Lanka coast. It is very likely to increase becoming 80-90 kmph gusting to 100 kmph from afternoon for subsequent 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 2<sup>nd</sup> December evening and 70-80 kmph gusting to 90 kmph from 3<sup>rd</sup> 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 3<sup>rd</sup> 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 3<sup>rd</sup> 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 2<sup>nd</sup> and very rough to high on 3<sup>rd</sup> and 4<sup>th</sup> December.
- Sea condition will be rough to very rough over Lakshadweep-Maldives area and adjoining southeast Arabian Sea during 3<sup>rd</sup> – 5<sup>th</sup> 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**

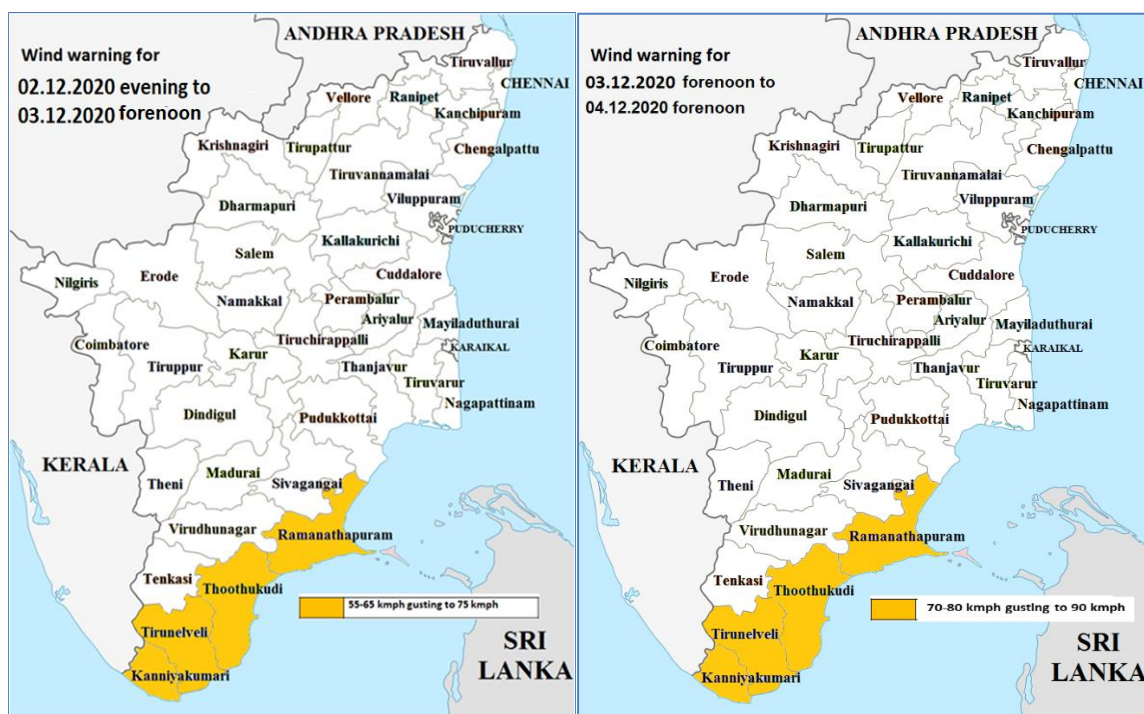
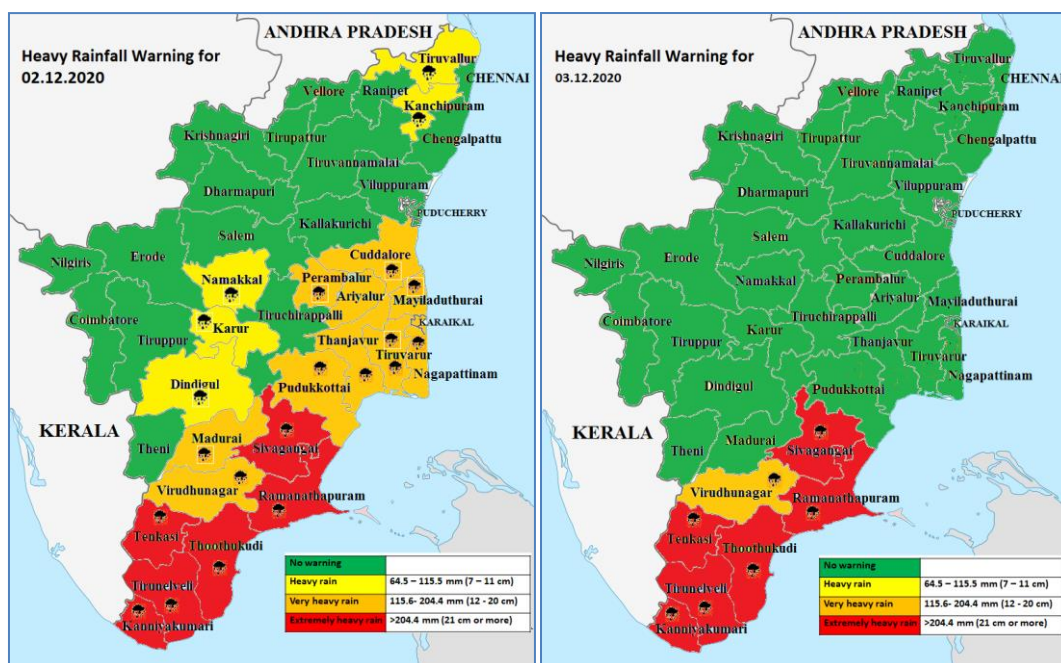
- Damage to thatched huts.
- Minor damage to power and communication lines due to breaking of branches.
- Major damage to Kutcha and minor damage to Pucca roads.
- Some damage to paddy crops, banana, papaya trees and orchards.
- Sea water inundation in low lying areas after erosion of Kutcha embankments.

**(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](http://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, Pudukottai, Vellore, Thirupattur, Ranipet, Tiruvannamalai, Krishnagiri, Salem, Dharmapuri, Namakkal, Nilgiris, Tiruppur, Coimbatore, Erode, Karur, Tiruchirapalli, 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, Pudukottai, 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