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भारतीय मौसम विज्ञान विभाग  
प्रदेशिक मौसम विज्ञान केन्द्र  
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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.04/02BOB**

**Deep Depression over Bay of Bengal: Cyclone Alert for South Tamil Nadu and South Kerala coasts**

The **Deep Depression** over southwest and adjoining southeast Bay of Bengal moved westwards with a speed of 11 kmph during past six hours and lay centered at 0830 hrs IST of 01<sup>st</sup> December 2020 over the same region near Lat. 7.8° N and Long. 85.7°E, about 500 km east-southeast of Trincomalee (Sri Lanka) and 900 km east-southeast of Kanniyakumari (India).

It is very likely to intensify further into a cyclonic storm during next 24 hours. It is very likely to move west-northwestwards and cross Sri Lanka coast between latitude 7.5<sup>0</sup>N and 9.0<sup>0</sup>N close to Trincomalee during evening/night of 2<sup>nd</sup> December. It is very likely to move nearly westwards thereafter, emerge into Gulf of Mannar and adjoining Comorin area on 3<sup>rd</sup> December morning and move westward towards south Tamil Nadu coast.

**(i) Heavy rainfall warning:**

**01.12.2020:** Heavy rain is likely to occur at isolated places over Thanjavur, Thiruvavarur, Nagapattinam, Pudukottai, Sivagangai, Ramanathapuram, Thirunelveli, Thoothukudi, and Kanyakumari districts.

**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, Thiruvavarur, 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**

- Squally wind speed reaching 50-60 kmph gusting to 70 kmph very likely over central parts of South Bay of Bengal during next 12 hours.
- It would gradually increase becoming gale wind speed reaching 60-70 kmph gusting to 80 kmph over southwest and adjoining southeast Bay of Bengal from 1<sup>st</sup> December evening. It would gradually increase becoming 70-80 kmph gusting to 90 kmph over southwest Bay of Bengal, along & off Sri Lanka coast from 2<sup>nd</sup> December morning for subsequent 24 hours.
- Squally wind speed reaching 45-55 kmph gusting to 65 kmph very likely over Comorin Area, Gulf of Mannar and south Tamilnadu-Kerala coasts from 2<sup>nd</sup> December forenoon. It will gradually increase becoming 55-65 kmph gusting to 75 kmph over Gulf of Mannar, along & off south Tamilnadu & Kerala coasts, over Comorin Area, Lakshadweep-Maldives area and adjoining southeast Arabian Sea from 3<sup>rd</sup> December morning and 70-80 kmph gusting to 90 kmph from evening of 3<sup>rd</sup> December for subsequent 24 hours.

**(iii) Sea condition**

- Prevailing rough to very rough sea condition over southeast Bay of Bengal will continue during 1<sup>st</sup> December and very rough to high over southeast & adjoining southwest Bay of Bengal and along & off east Sri Lanka coast during 1<sup>st</sup> & 2<sup>nd</sup> December, and rough to very rough over Comorin Area, Gulf of Mannar & along & off south Tamilnadu-Kerala coasts from 2<sup>nd</sup> to 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> – 4<sup>th</sup> December.

**(iv) Fishermen Warning**

- **Total suspension** of fishing operation **during 1<sup>st</sup> December to 4<sup>th</sup> December** over the areas as mentioned below.

- Fishermen are advised not to venture into southeast Bay of Bengal during 1<sup>st</sup> December, southwest Bay of Bengal and along & off east Sri Lanka coast from **1<sup>st</sup> to 3<sup>rd</sup> December**; Comorin Area, Gulf of Mannar and south Tamilnadu-Kerala coasts from **2<sup>nd</sup> to 4<sup>th</sup> December**, over Lakshadweep-Maldives area & adjoining southeast Arabian Sea **from 3<sup>rd</sup> to 4<sup>th</sup> December**.
- Fishermen out at Sea are advised to return to the coast by today.

IMD is continuously monitoring the weather situation and updates would be sent as and when required.

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

### **LEGEND:**

Spatial rainfall distribution:

<b>% Stations reporting Rainfall</b>	<b>Category</b>
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, Tiruchirappalli, 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, Tiruchirappalli, 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

