



**Government of India  
Ministry of Earth Sciences  
India Meteorological Department**

**Press Release  
Date: 03<sup>rd</sup> March, 2022  
Time of Issue: 1215 hrs IST**

**Subject: (I) Depression over southwest Bay of Bengal & adjoining Equatorial Indian Ocean is likely to intensify into a Deep Depression during next 24 hours. It is likely to move northwestwards along & off east coast of Sri Lanka towards north Tamil Nadu Coast during next 48 hours.  
(II) Wet spell over Western Himalayan Region & adjoining plains on today and another fresh wet spell during 06<sup>th</sup> to 08<sup>th</sup> March, 2022 with possibility of isolated heavy falls over Jammu & Kashmir on 06<sup>th</sup> March, 2022 .**

**Weather Systems and associated forecast & warnings:**

1. Yesterday's Low Pressure Area over Central parts of South Bay of Bengal & adjoining Equatorial Indian Ocean has concentrated into a depression over southwest Bay of Bengal & adjoining Equatorial Indian Ocean at 0530 hours IST of today, the 3<sup>rd</sup> March, 2022. It lies over same region at 0830 hrs IST of today, the 3<sup>rd</sup> March 2022, near latitude 5.6°N and longitude 83.7°E, about 420 km south-southeast of Trincomalee (Sri Lanka), 760 km south-southeast of Nagappattinam (Tamil Nadu), 820 km south-southeast of Puducherry (Tamil Nadu) and about 900 km south-southeast of Chennai (Tamil Nadu). It is likely to intensify further into a Deep Depression during next 24 hours. It is likely to move northwestwards along and off east coast of Sri Lanka towards north Tamil Nadu Coast during next 48 hours. Under its influence:

**Rainfall forecast & Warnings:**

- ✓ Light to moderate rainfall/thunder shower at a few places likely over coastal Tamil Nadu, Puducherry & Karaikal on 03<sup>rd</sup> March, 2022.
- ✓ Light to moderate rainfall/thunder shower at many places with **isolated heavy rainfall** likely over coastal Tamil Nadu, Puducherry & Karaikal; light to moderate rainfall/thunder shower at a few places likely over south coastal Andhra Pradesh and Rayalaseema on 04<sup>th</sup> March, 2022.
- ✓ Light to moderate rainfall/thunder shower at most places with **heavy to very heavy rainfall** at isolated places very likely over north coastal Tamil Nadu, Puducherry & Karaikal; light to moderate rainfall/thunder shower at many places with **isolated heavy falls** very likely over south coastal Andhra Pradesh and Rayalaseema on 05<sup>th</sup> & 06<sup>th</sup> March, 2022.

- ✓ Light to moderate rainfall/thunder shower at most places with **heavy to very heavy rainfall** at isolated places very likely over north Tamil Nadu, Puducherry & Karaikal and **isolated heavy falls** very likely over south coastal Andhra Pradesh and Rayalaseema on 07<sup>th</sup> March, 2022.

#### **Wind warning:**

- ✓ Squally winds speed reaching 45-55 kmph gusting to 65 kmph are very likely to prevail over Southwest & adjoining Westcentral Bay of Bengal, Gulf of Mannar and along & off Tamil Nadu, Puducherry coasts. Squally winds speed reaching 40-50 kmph gusting to 60 kmph are very likely over Equatorial Indian Ocean on 03<sup>rd</sup> March, 2022.
- ✓ Squally winds speed would gradually increase becoming 50-60 kmph gusting to 70 kmph over Southwest & adjoining Westcentral Bay of Bengal, Gulf of Mannar and along & off north Tamil Nadu, Puducherry & South Andhra Pradesh coasts on 04<sup>th</sup> & 05<sup>th</sup> March, 2022.
- ✓ Squally winds speed reaching 40-50 kmph gusting to 60 kmph are very likely to prevail over Westcentral & adjoining Southwest Bay of Bengal and along & off north Tamil Nadu, Puducherry and south Andhra Pradesh coasts on 06<sup>th</sup> March, 2022.

#### **Sea condition:**

- ✓ Sea condition will be rough to very rough over Southwest & adjoining westcentral Bay of Bengal, Gulf of Mannar and Comorin area and along & off Tamil Nadu, Puducherry & south Andhra Pradesh coasts during 3<sup>rd</sup> – 6<sup>th</sup> March. Sea condition will be rough to very rough over adjoining Equatorial Indian Ocean on 3<sup>rd</sup> March, 2022.

#### **Fishermen Warning:**

- ✓ Fishermen are advised not to venture into Southwest & adjoining Westcentral Bay of Bengal, adjoining Equatorial Indian Ocean, Gulf of Mannar, Comorin area and along & off Tamil Nadu, Puducherry and south Andhra Pradesh coasts till 6<sup>th</sup> March, 2022.

2. The Western Disturbance as a cyclonic circulation lies over north Pakistan & neighbourhood in lower & middle tropospheric levels and an induced cyclonic circulation lies over West Rajasthan & neighbourhood in lower tropospheric levels. Under their influence:

- Fairly widespread to widespread light/moderate rainfall/snowfall with isolated **thunderstorm/lightning** very likely over Jammu-Kashmir-Ladakh-Gilgit-Baltistan-Muzaffarabad & Himachal Pradesh and Uttarakhand during next 24 hours.
- Isolated light rainfall very likely over Punjab, Haryana-Chandigarh-Delhi and West Uttar Pradesh during next 24 hours.
- **Strong surface Winds (speed 25-35 kmph)** very likely to prevail over Haryana-Chandigarh-Delhi & Rajasthan on 04<sup>th</sup> March and over most parts of plains of northwest India on 05<sup>th</sup> March, 2022.

3. A fresh Western Disturbance is very likely to cause isolated to scattered rainfall/snowfall on 05<sup>th</sup> and fairly widespread to widespread light/moderate rainfall/snowfall over Jammu-Kashmir-Ladakh-Gilgit-Baltistan-Muzaffarabad & Himachal Pradesh; and isolated rainfall/snowfall over Uttarakhand on 06<sup>th</sup> & 07<sup>th</sup> March, 2022. **Isolated heavy rainfall** is also very likely over Jammu-Kashmir-Ladakh-Gilgit-Baltistan-Muzaffarabad on 06<sup>th</sup> March, 2022. Under influence of induced cyclonic circulation; isolated light rainfall likely over adjoining plains on 06<sup>th</sup> & 07<sup>th</sup> March, 2022.

**For more details refer:**

[https://mausam.imd.gov.in/imd\\_latest/contents/subdivisionwise-warning.php](https://mausam.imd.gov.in/imd_latest/contents/subdivisionwise-warning.php)



**Expected impact & action suggested due to very heavy rainfall over north coastal Tamilnadu-Puducherry-Karaikal on 05<sup>th</sup> & 06<sup>th</sup> march, 2022.**

**Impact Expected**

- Localized Flooding of roads, inundation and water logging in low lying areas and closure of underpasses mainly in urban areas of the above region.
- Occasional reduction in visibility due to heavy rainfall.
- Disruption of traffic in major cities due to water logging in roads leading to increased travel time.
- Minor damage to kutcha roads.
- Possibilities of damage to vulnerable structure.
- Localized Landslides/Mudslides
- Damage to horticulture and standing crops in some areas due to inundation.
- It may lead to riverine flooding in some river catchments (for riverine flooding please visit Web page of CWC)

**Action Suggested**

- Check for traffic congestion on your route before leaving for your destination.
- Follow any traffic advisories that are issued in this regard.
- Avoid going to areas that face the water logging problems often.
- Avoid staying in vulnerable structure.

**Legends:**

**Heavy Rain:** 64.5 to 115.5 mm; **Very Heavy Rain:** 115.6 to 204.4 mm; **Extremely Heavy Rain:** >204.4 mm.

**Region wise classification of meteorological Sub-Divisions:**

- 1) **Northwest India:** Western Himalayan Region (Jammu-Kashmir-Ladakh-Gilgit-Baltistan-Muzaffarabad, Himachal Pradesh and Uttarakhand); Punjab, Haryana-Chandigarh-Delhi; West Uttar Pradesh, East Uttar Pradesh, West Rajasthan and East Rajasthan.
- 2) **Central India:** West Madhya Pradesh, East Madhya Pradesh, Vidarbha and Chhattisgarh.
- 3) **East India:** Bihar, Jharkhand, Sub-Himalayan West Bengal & Sikkim; Gangetic West Bengal, Odisha and Andaman & Nicobar Islands.
- 4) **Northeast India:** Arunachal Pradesh, Assam & Meghalaya and Nagaland, Manipur, Mizoram & Tripura.
- 5) **West India:** Gujarat Region, Saurashtra & Kutch, Konkan & Goa, Madhya Maharashtra and Marathwada.
- 6) **South India:** Coastal Andhra Pradesh & Yanam, Telangana, Rayalaseema, Coastal Karnataka, North Interior Karnataka, South Interior Karnataka, Kerala & Mahe, Tamil Nadu, Puducherry & Karaikal and Lakshadweep.

<b>SPATIAL DISTRIBUTION</b> (% of Stations reporting)			
% Stations	Category	% Stations	Category
76-100	Widespread (WS/Most Places)	26-50	Scattered (SCT/ A Few Places)
51-75	Fairly Widespread (FWS/ Many Places)	1-25	Isolated (ISOL)



<b>WARNING</b>	
WARNING (TAKE ACTION)	
ALERT (BE PREPARED)	
WATCH (BE UPDATED)	
NO WARNING (NO ACTION)	

<b>Probabilistic Forecast</b>	
Terms	Probability of Occurrence (%)
Unlikely	< 25
Likely	25 - 50
Very Likely	50 - 75
Most Likely	> 75

