



Government of India
Ministry of Earth Sciences
India Meteorological Department

Press Release

Date: 14th November, 2023

Time of Issue: 1400 hours IST

Subject: i) Low Pressure Area over Southeast Bay of Bengal is likely to move west-northwestwards and intensify into a Depression on 15th and into a Deep Depression over Westcentral Bay of Bengal off Andhra Pradesh coast on 16th November, 2023.

ii) Isolated heavy to very heavy rainfall is likely over Southeast Peninsular India on 14th November and over coastal Gangetic West Bengal & Odisha on 16th & 17th November, 2023.

Rainfall recorded during past 24 hours till 0830 hours IST of today:

- ❖ Heavy to very heavy rainfall observed at some places over coastal Tamil Nadu, Puducherry & Karaikal.
- ❖ **Significant Rainfall Amount (in cm): Tamil Nadu, Puducherry & Karaikal:** Velankanni (dist Nagapattinam) 17, Nagapattinam (dist Nagapattinam) 15, Karaikal (dist Karaikal) 14, Nannilam (dist Thiruvarur), Cuddalore (dist Cuddalore), Parangipettai (dist Cuddalore), Puducherry (dist Puducherry) 12 each, Vedaranyam (dist Nagapattinam), Tirupoondi (dist Nagapattinam) 11 each

Weather System, forecast & warnings for next 5 days

- ❖ Under the influence of cyclonic circulation over south Andaman Sea, a **Low Pressure Area** has formed over Southeast Bay of Bengal & adjoining Andaman-Nicobar Islands at 0530 hrs IST of today, the 14th November, 2023:
 - It is likely to move west-northwestwards and intensify into a **Depression** over Westcentral Bay of Bengal on 15th November, 2023.
 - Thereafter, it would move northwestwards and may intensify into a **Deep Depression** over Westcentral Bay of Bengal off Andhra Pradesh coast on 16th November.
 - Subsequently, it would recurve north-northeastwards and reach Northwest Bay of Bengal off Odisha coast on 17th November.
- ❖ **Another upper air cyclonic circulation** lies over southwest Bay of Bengal & adjoining Sri Lanka extending upto middle-tropospheric levels. A **trough** runs from this cyclonic circulation to the above Low Pressure Area upto lower tropospheric levels.

Warnings:

(i) Rainfall Warning (Graphics in Annexure I):

- Light to moderate rainfall at many places with **isolated heavy to very heavy rainfall** is very likely over coastal districts of Tamil Nadu & Puducherry on 14th & 15th November and **isolated extremely heavy rainfall** is very likely on 14th November.
- Light to moderate rainfall at many places with **isolated heavy rainfall** is likely over coastal districts of Andhra Pradesh on 14th & 15th November.
- Light to moderate rainfall at a few places is likely over coastal districts of Odisha & West Bengal on 15th November. It would increase becoming light to moderate rainfall at many places with **isolated heavy rainfall** is likely over coastal districts of Odisha & West Bengal on 16th & 17th November and **isolated very heavy rainfall** over coastal districts of Odisha on 16th November.
- Light to moderate rainfall at many places with **isolated heavy rainfall** is likely over Nagaland, Manipur, Mizoram & Tripura during 16th to 18th November and over south Assam and east Meghalaya on 17th November.

(ii) Wind warning (Graphics in Annexure II):

- **Squally weather** with wind speed reaching 35-45 kmph gusting to 55 kmph is likely to prevail over southwest Bay of Bengal along & off Tamil Nadu & Puducherry and Sri Lanka coasts on 14th & 15th November.
- **Squally weather** with wind speed reaching 35-45 kmph gusting to 55 kmph is likely to prevail over southeast Bay of Bengal and adjoining Andaman Sea & eastcentral Bay of Bengal on 14th November.
- **Squally wind** speed reaching 45-55 kmph gusting to 65 kmph is likely over westcentral and adjoining south Bay of Bengal on 15th November and likely to become 50-60 kmph gusting to 70 kmph over westcentral Bay of Bengal on 16th November and over northwest and adjoining westcentral Bay of Bengal on 17th November.
- **Squally wind** speed reaching 40-50 kmph gusting 60 kmph is likely along & off North Andhra Pradesh coast on 15th & 16th November.
- **Squally wind** speed reaching 40-50 kmph gusting 60 kmph is likely along & off Odisha coast during 15th evening. It is likely to increase gradually becoming 45-55 kmph gusting to 65 kmph from 16th morning, 50-60 kmph gusting 70 kmph from 16th evening for subsequent 24 hours.
- **Squally wind** speed reaching 40-50 kmph gusting 60 kmph is likely along & off West Bengal coast on 16th morning. It is likely to increase gradually becoming 50-60 kmph gusting 70 kmph from 16th evening for subsequent 24 hours.
- **Squally wind** speed reaching 45-55 kmph gusting 65 kmph is likely along & off Bangladesh coast from 16th evening for subsequent 24 hours.

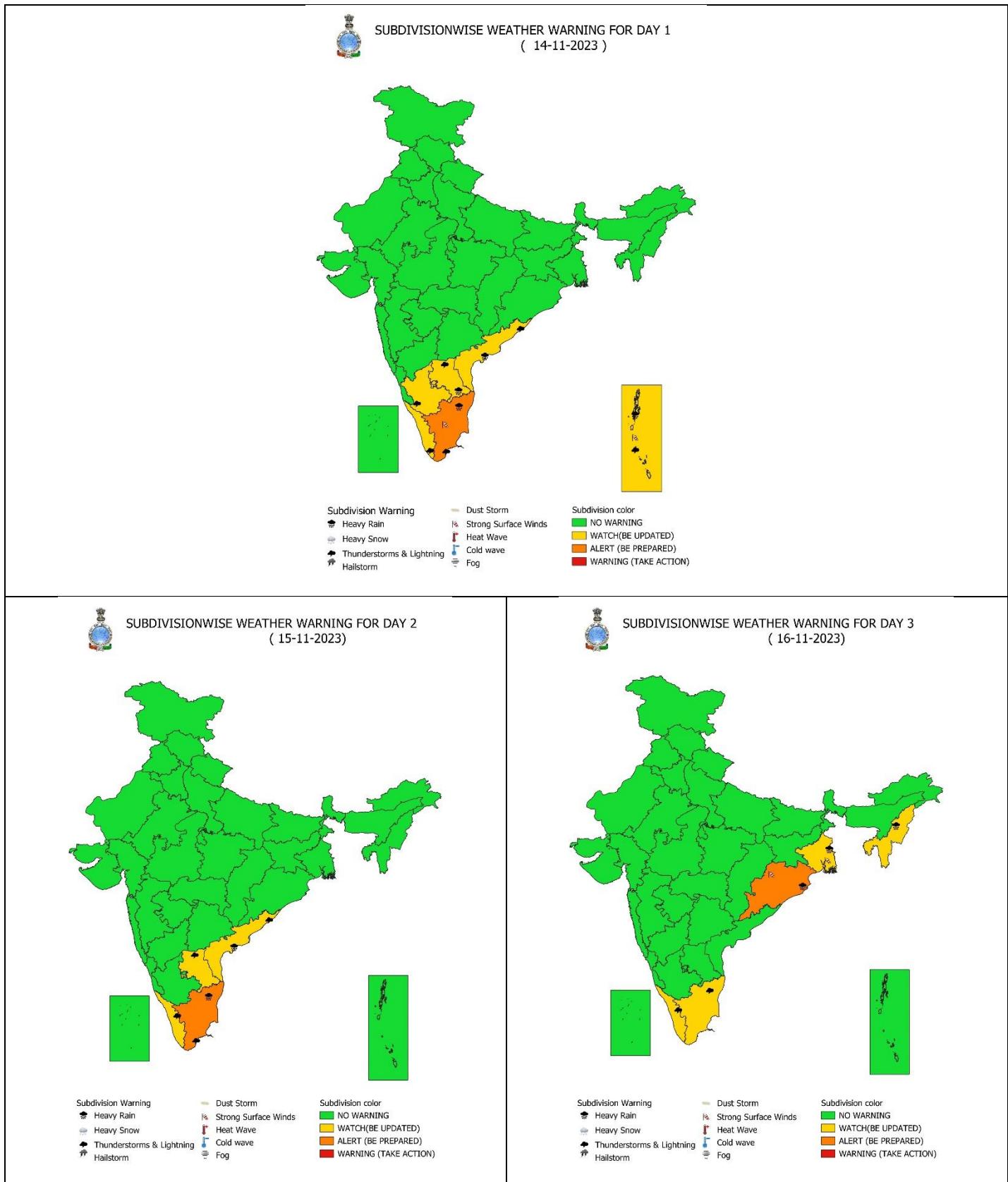
(iii) Fishermen Warning (Graphics in Annexure II):

Fishermen are advised not to venture into:

- Southeast & adjoining eastcentral Bay of Bengal and Andaman Sea during 14th and 15th November.
- Southwest Bay of Bengal during 14th and 15th November.
- Westcentral Bay of Bengal during 15th to 17th November.
- Northwest Bay of Bengal during 16th & 17th November.
- Along & off Andhra Pradesh Coast during 15th & 16th November.
- Along & off Odisha coast during 15th to 17th November.
- Along & off West Bengal coast during 16th to 18th November.
- Along & off Bangladesh coast during 16th to 18th November.
- The Fishermen out at sea are advised to return to coast by 14th November evening.

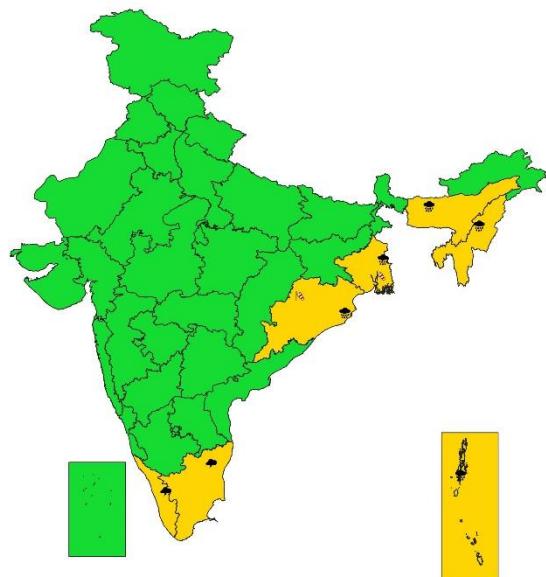
❖ **No significant weather likely over rest parts of the country.**

For more details kindly refer: <https://mausam.imd.gov.in/responsive/all india forcast bulletin.php>





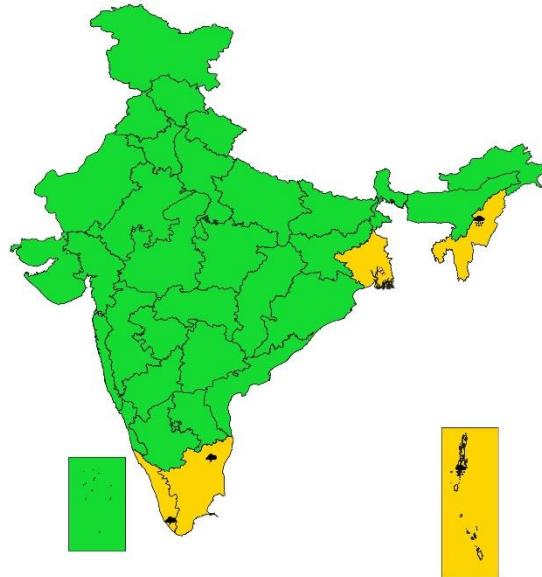
SUBDIVISIONWISE WEATHER WARNING FOR DAY 4
(17-11-2023)



Subdivision Warning	Dust Storm	Subdivision color
Heavy Rain	Strong Surface Winds	NO WARNING
Heavy Snow	Heat Wave	WATCH(BE UPDATED)
Thunderstorms & Lightning	Cold wave	ALERT (BE PREPARED)
Hailstorm	Fog	WARNING (TAKE ACTION)



SUBDIVISIONWISE WEATHER WARNING FOR DAY 5
(18-11-2023)



Subdivision Warning	Dust Storm	Subdivision color
Heavy Rain	Strong Surface Winds	NO WARNING
Heavy Snow	Heat Wave	WATCH(BE UPDATED)
Thunderstorms & Lightning	Cold wave	ALERT (BE PREPARED)
Hailstorm	Fog	WARNING (TAKE ACTION)

Impact & Action Suggested due to very heavy rainfall/extremely heavy falls over coastal Tamil Nadu, Puducherry & Karaikal on 14th – 15th November and coastal Odisha on 16th November.

A. Impact Expected

- ❖ Localized Flooding of roads, 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).

B. 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.

Fishermen warning graphics

Day 1: 14.11.2023/11:30AM to 15.11.2023/05:30AM



Day 2: 15.11.2023/05:30AM to 16.11.2023/05:30AM



Day 3: 16.11.2023/05:30AM to 17.11.2023/05:30AM



Day 4: 17.11.2023/05:30AM to 18.11.2023/05:30AM



Day 5: 18.11.2023/05:30AM to 19.11.2023/05:30AM



Squally WX with wind speed 40-45 kmph gusting to 55 kmph

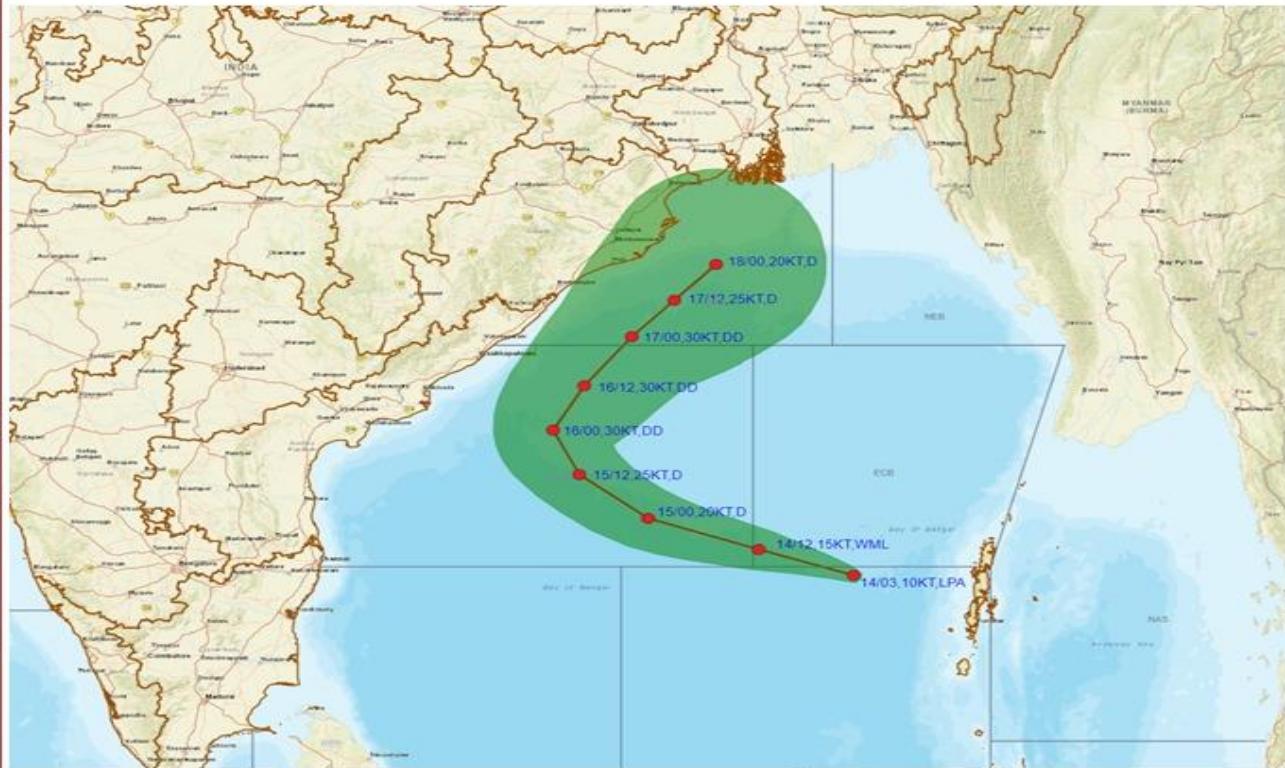
Squally WX with wind speed 45-55 kmph gusting to 65 kmph

Squally wind with speed 50-60 kmph gusting to 70 kmph

Fishermen are advised not to venture into the marked areas.



PREGENESIS TRACK FORECAST IN ASSOCIATION WITH LOW PRESSURE AREA
OVER SOUTHEAST BAY OF BENGAL AND ADJOINING ANDAMAN & NICOBAR
ISLANDS BASED ON 0300 UTC (0830 IST) OF 14TH NOVEMBER 2023.



DATE/TIME IN UTC
IST=UTC + 0530

L: LOW PRESSURE AREA

WML: WELL MARKED LOW PRESSURE AREA

D: DEPRESSION (17-27 KT)

DD: DEEP DEPRESSION (28-33 KT)

CS: CYCLONIC STORM (34-47 KT)

SCS: SEVERE CYCLONIC STORM (48-63KT)

VSCS: VERY SEVERE CYCLONIC STORM (64-89 KT)

ESCS: EXTREMELY SEVERE CYCLONIC STORM (90-119 KT)

SuCS: SUPER CYCLONIC STORM (≥ 120 KT)

- LESS THAN 34 KT
- 34-47 KT
- ≥ 48 KT
- OBSERVED TRACK
- FORECAST TRACK
- CONE OF UNCERTAINTY

Legends:

- ❖ **Heavy Rain:** 64.5 to 115.5 mm; **Very Heavy Rain:** 115.6 to 204.4 mm; **Extremely Heavy Rain:** >204.4mm.
- ❖ **Obsy:** Observatory; **AWS:** Automatic Weather Station; **dist:** District; **NH:** National Highway; **KVK:** Krishi Vigyan Kendra; **DVC:** Damodar Valley Corporation
- ❖ **Region wise classification of meteorological Sub-Divisions:**
 - **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.
 - **Central India:** West Madhya Pradesh, East Madhya Pradesh, Vidarbha and Chhattisgarh.
 - **East India:** Bihar, Jharkhand, Sub-Himalaya West Bengal & Sikkim; Gangetic West Bengal, Odisha and Andaman & Nicobar Islands.
 - **Northeast India:** Arunachal Pradesh, Assam & Meghalaya and Nagaland, Manipur, Mizoram & Tripura.
 - **West India:** Gujarat Region, Saurashtra & Kutch, Konkan & Goa, Madhya Maharashtra and Marathwada.
 - **South India:** Coastal Andhra Pradesh & Yanam, Telangana, Rayalaseema, Coastal Karnataka, North Interior Karnataka, South Interior Karnataka, Kerala & Mahe, Tamil Nadu, Puducherry & Karaikal and Lakshadweep.

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

Subdivision Warning	Dust Storm	Subdivision color
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Heavy Snow	Heat Wave	WATCH(BE UPDATED)
Thunderstorms & Lightning	Cold wave	ALERT (BE PREPARED)
Hailstorm	Fog	WARNING (TAKE ACTION)

Probabilistic Forecast		Flash Flood Risk	
Terms	Probability of Occurrence (%)		
Unlikely	< 25	High Risk (Take Action)	
Likely	25 - 50	Moderate Risk (Be Prepared)	
Very Likely	50 - 75	Low Risk (Be Updated)	
Most Likely	> 75		