



India Meteorological Department  
(Ministry of Earth Sciences)

NATIONAL BULLETIN NO. 27 (BOB/06/2024)

TIME OF ISSUE: 0200 HOURS IST

DATED: 26.10.2024

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**Subject: Depression (remnant of severe cyclonic storm "DANA") over north Odisha**

The deep depression (remnant of severe cyclonic storm "DANA") over north Odisha remained practically stationary during past 6 hours, weakened into a Depression over the same region and lay centred at 2330 hrs IST of yesterday, the 25th October near latitude 21.4°N and longitude 86.2°E about 50 km northwest of Bhadrak and 70 km east-southeast of Keonjhar.

It is likely to move nearly westwards across north Odisha and weaken gradually into a well marked low pressure area during next 12 hours.

The system is under continuous surveillance of the doppler weather radar at Paradip.

**Warnings:**

**(i) Rainfall Warning:**

- ❖ Light to moderate rainfall at many places with **heavy rainfall** at isolated places is very likely over north Odisha on 26<sup>th</sup> October.
- ❖ Light to moderate rainfall at many places with **heavy rainfall** at isolated places over Gangetic West Bengal on 26<sup>th</sup> October.

**(ii) Wind Warning: Northwest Bay of Bengal:** Squally wind speed reaching 30-40 gusting to 50 kmph is likely to prevail during next 6 hours.

**Along & off Odisha-West Bengal coasts and adjoining interior districts:** Squally wind speed reaching 40-50 kmph gusting to 60 kmph would prevail over Balasore, Mayurbhanj, Keonjhar, Bhadrak, Kendrapara districts of Odisha and East Medinipur and Jhargram districts of West Bengal during next 6 hours.

**(iii) Sea Condition:**

**Northwest Bay of Bengal and along & off Odisha-west Bengal coasts:** Sea condition is likely to be **Rough** during next 6 hours and improve gradually thereafter.

**(v) Fishermen Warning:**

Fishermen are advised not to venture into Northwest Bay of Bengal and along & off Odisha and West Bengal coasts during next 6 hours.

**❖ Impact Expected over districts of Odisha (Balasore, Bhadrak, Mayurbhanj, Keonjhar, Dhenkanal, Kendrapara, Cuttack and Jajpur) and West Bengal (South 24-Parganas, East & West Medinipur and Jhargram) during next 06 hours.**

- Damage to thatched houses/ huts. Unattached metal sheets may fly.
- Breaking of tree branches and uprooting of trees.
- Partial damage to power and communication lines.
- Damage to Kutcha roads. Damage to vulnerable structure.
- Damage to standing crops including banana, papaya, horticultural and vegetable crops due to inundation and wind.
- 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 and roadways due to water logging in roads and poor visibility due to heavy rain leading to increased travel time and incidents
- Localized Landslides/Mudslides/landslips/mud slips/land sinks/mud sinks.
- It may lead to riverine flooding in some river catchments (for riverine flooding please visit Webpage of Central Water Commission)

**❖ Action Suggested for districts of Odisha (Balasore, Bhadrak, Mayurbhanj, Keonjhar, Dhenkanal, Kendrapara, Cuttack and Jajpur) and West Bengal (South 24-Parganas, East & West Medinipur and Jhargram) during next 06 hours.**

- Fishermen are advised not to venture into Northwest Bay of Bengal and along & off Odisha and West Bengal coasts during next 6 hours.
- People in affected areas to remain indoors.
- Judicious regulation of tourism activities in coastal areas.
- Judicious regulation of surface transports including railways and roadways.
- 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.

**Next bulletin will be issued at 0800 hours IST of today, the 26<sup>th</sup> October, 2024.**

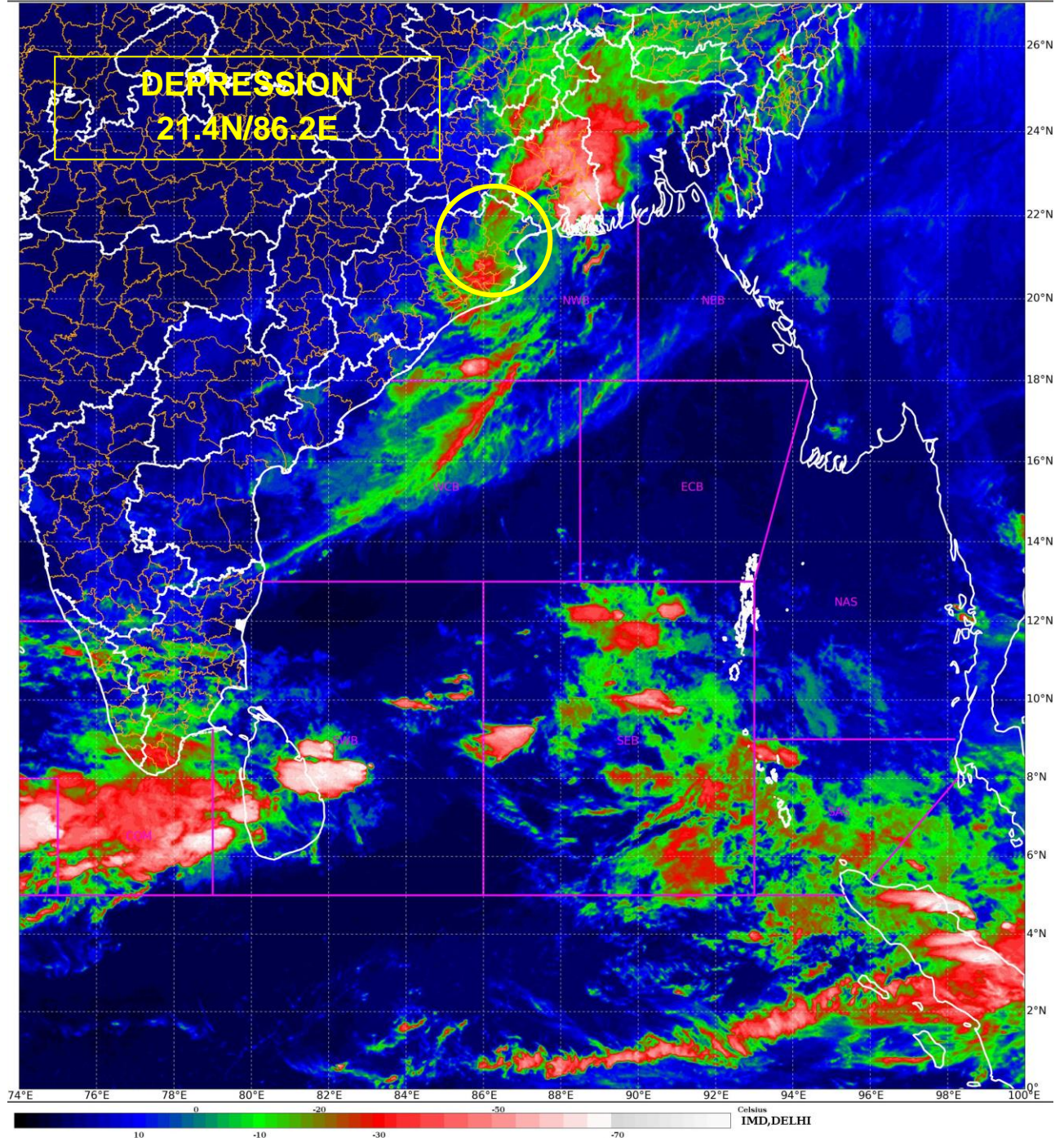
**(Shashi Kant)**  
**Scientist-D, IMD, New Delhi**

*Copy to: ACWC Kolkata/ACWC Chennai/CWC Bhubaneswar/CWC Vishakhapatnam/Meteorological Centre Port Blair/MC Ranchi*

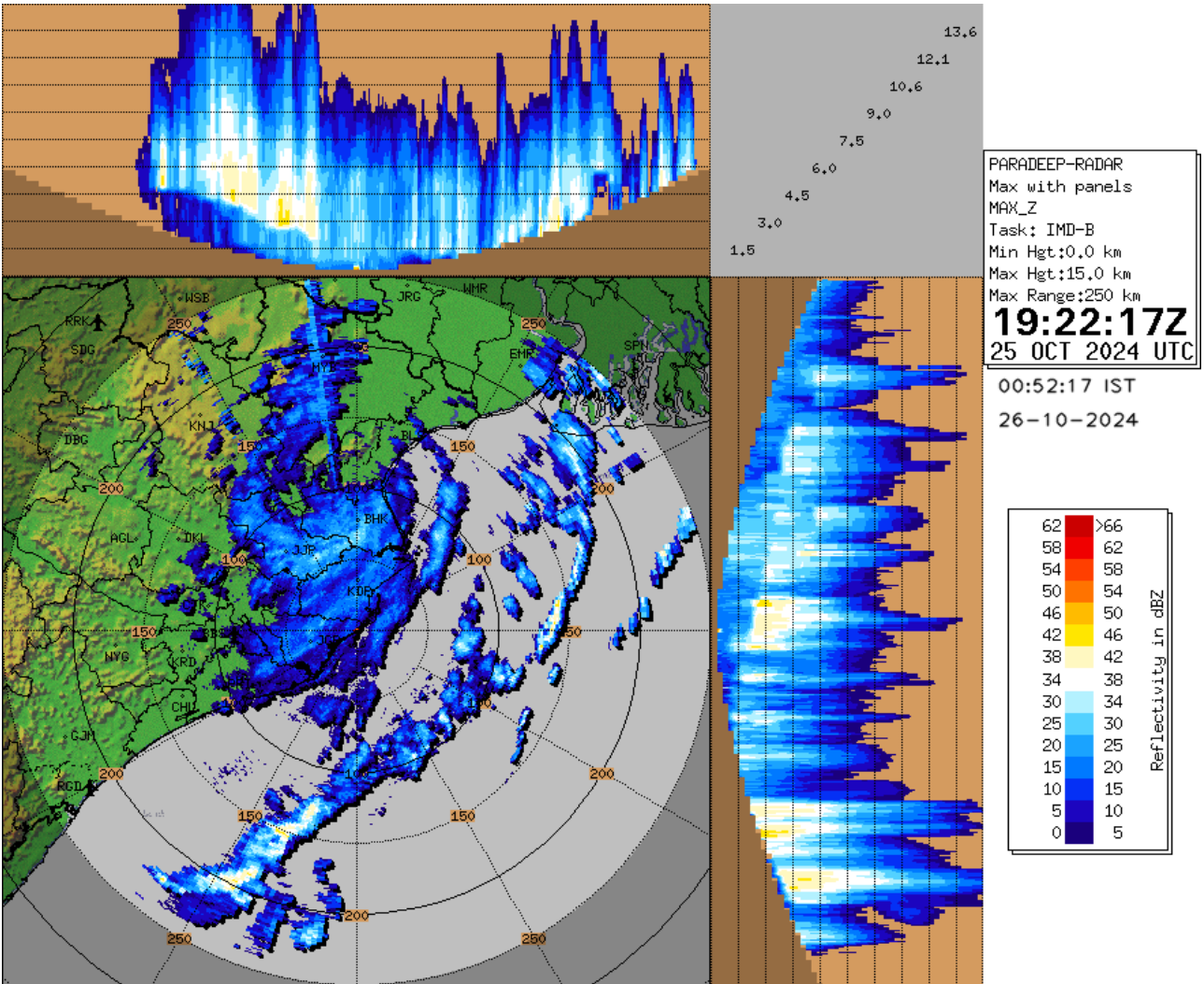
# SATELLITE IMAGERY

SAT : INSAT-3DR IMG  
IMG\_TIR1\_TEMP 10.8 um  
LIC Mercator

25-10-2024/(1645 to 1712) GMT  
25-10-2024/(2215 to 2242) IST

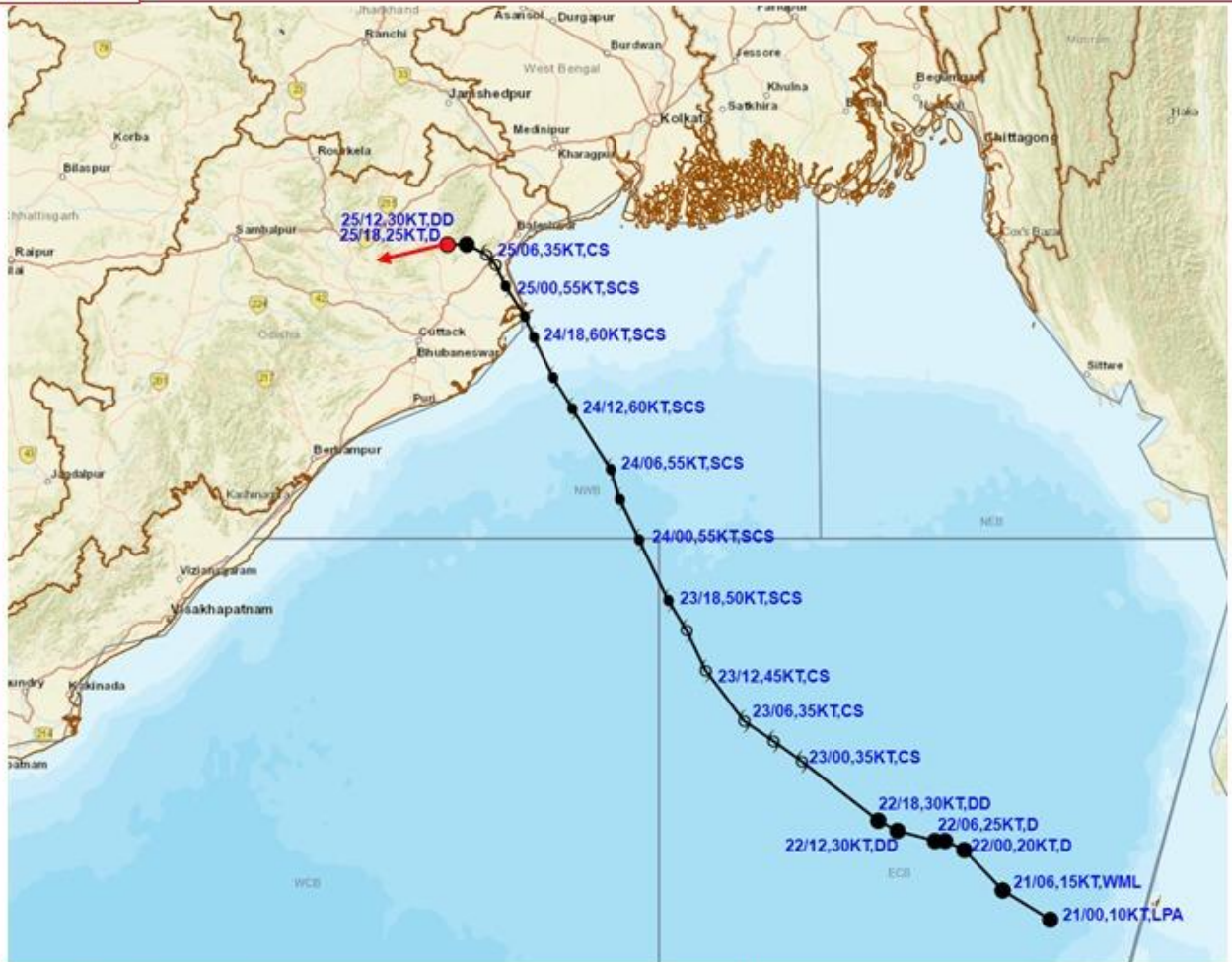


# RADAR OBSERVATIONS (MAX\_Z) OF DWR PARADIP



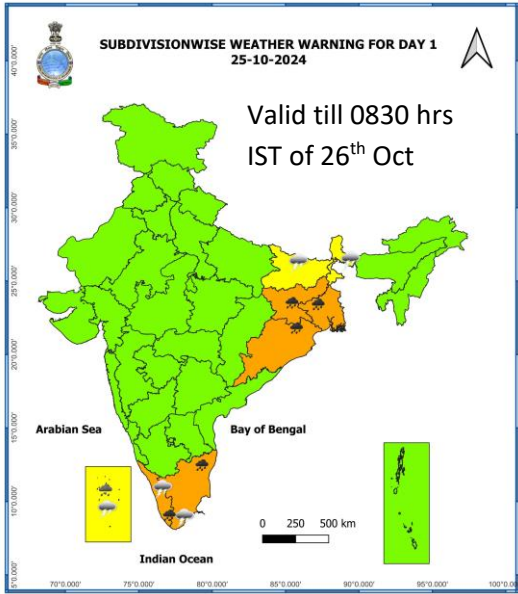


**OBSERVED AND FORECAST TRACK OF DEPRESSION (REMNANT OF SEVERE CYCLONIC STORM 'DANA') OVER NORTH ODISHA BASED ON 1800 UTC (2330 Hrs. IST) OF 25<sup>th</sup> OCTOBER 2024**



**DATE/TIME** : IN UTC  
**IST** : UTC + 0530  
**KT** : NAUTICAL MILE S/HOUR = 1.85 KM/HOUR  
**LPA** : 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 (48-63 KT)  
**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



Heavy Rain

Very Heavy Rain

Extremely Heavy Rain

**COLOUR CODED WARNING**

**No Warning (No Action)**

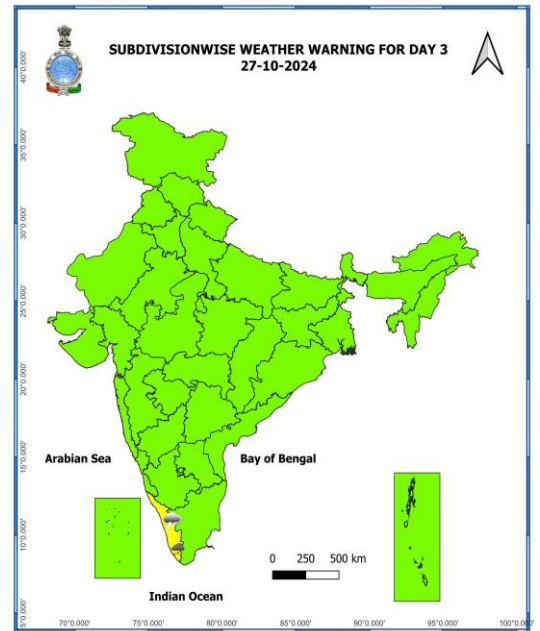
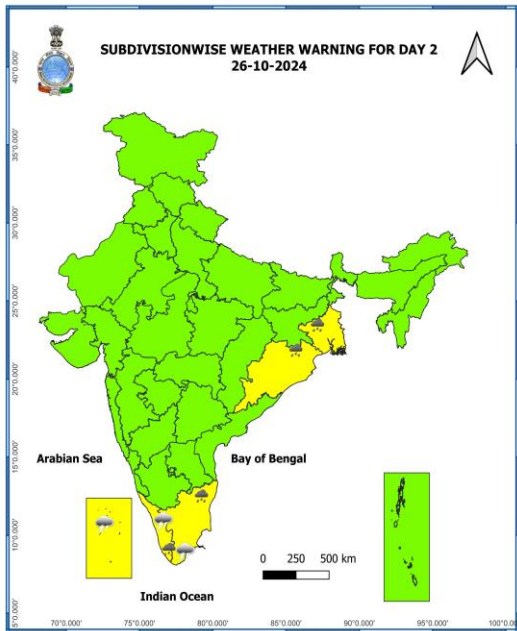
**Watch (Be Aware)**

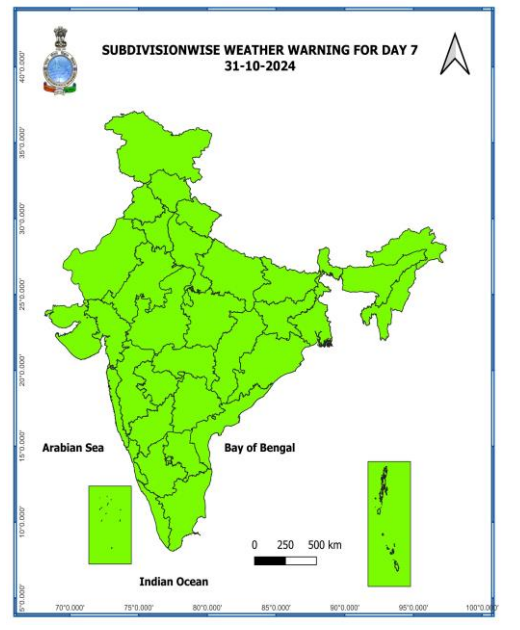
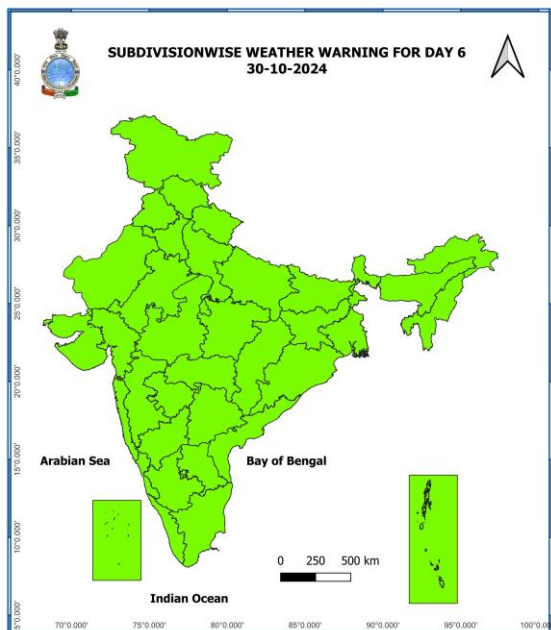
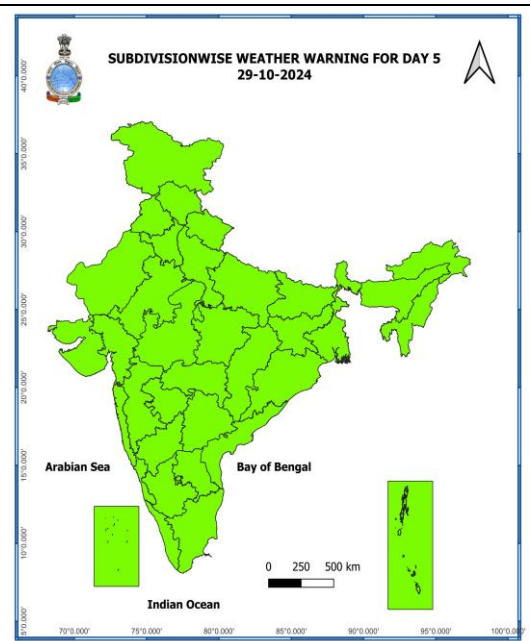
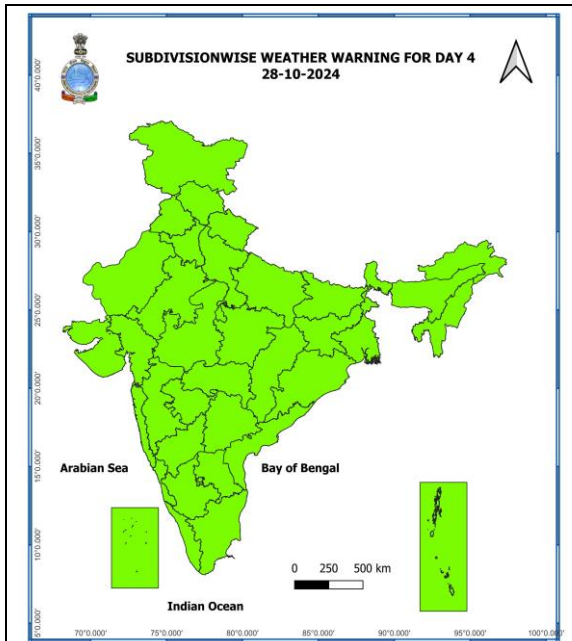
**Alert (Be Prepared To Take Action)**

**Warning (Take Action)**

**Probabilistic Forecast**

| Terms       | Probability of Occurrence (%) |
|-------------|-------------------------------|
| Unlikely    | < 25                          |
| Likely      | 25 - 50                       |
| Very Likely | 50 - 75                       |
| Most Likely | > 75                          |





- Action may be taken based on **ORANGE AND RED** COLOUR warnings.
- Vulnerable regions likely urban and hilly areas action may be initiated for heavy rainfall warning.
- As the lead period increases forecast accuracy decreases.

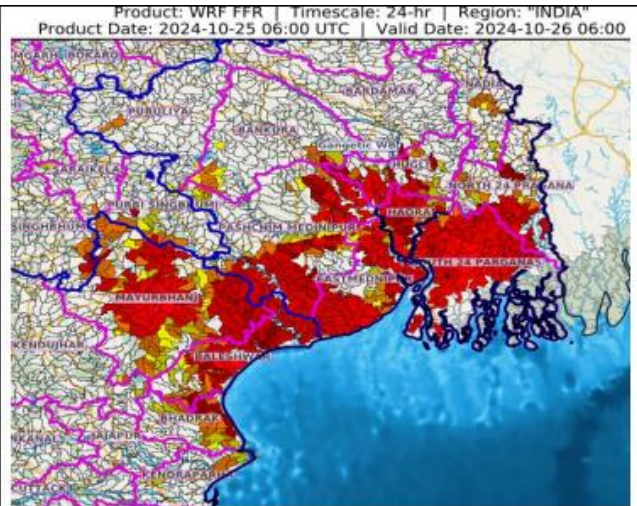
## 24 HOURS OUTLOOK FOR THE FLASH FLOOD RISK

### **24 hours Outlook for the Flash Flood Risk (FFR) till 1130 IST of 26-10-2024 :**

**Moderate flash flood risk** likely over few watersheds & neighbourhoods of following Met Sub-divisions during next 24 hours.

**Odisha** - Baleshwar, Bhadrak, Kendraparha and Mayurbhanj districts.  
**Gangetic West Bengal** - Bankura, Eastmednipur, Haora, Hugli, Nadia, North 24 Pragana, Pashchim Medinipur, Puruliya and South 24 Parganas districts.

Surface runoff/ Inundation may occur at some fully saturated soils & low-lying areas over AoC as shown in map due to expected rainfall occurrence in next 24 hours.



### **Flash Flood Risk**

**High Risk (Take Action)**

**Moderate Risk (Be Prepared)**

**Low Risk (Be Updated)**



## Fishermen Warning Graphics

