



Government of Odisha
Office of Special Relief Commissioner

No. 5076/R&DM(DM)

Date: 21.10.2024

MESSAGE

TO: ALL COLLECTORS

FROM: SPECIAL RELIEF COMMISSIONER & ADDITIONAL CHIEF SECRETARY TO GOVT.

INFO: PRINCIPAL SECRETARY TO GOVT., HOUSING & URBAN DEVELOPMENT DEPT./ PR & DW DEPT./ FISHERIES & ARD DEPT./ DEPT. OF WATER RESOURCES/ SECRETARY TO GOVT., AGRICULTURE & FE DEPT./ DIRECTOR, AGRICULTURE & FP/ DIRECTOR, MUNICIPAL ADMINISTRATION / ALL RDCs/ ADG, LAW & ORDER/ IG, FIRE SERVICES/ COMMANDANT, NDRF 03 BN, MUNDALI/ EXECUTIVE DIRECTOR, OSDMA (.)

WELL MARKED LOW PRESSURE AREA OVER EAST CENTRAL BAY OF BENGAL: PRE-CYCLONE WATCH FOR ODISHA COASTS (.)

1. **AS PER THE SPECIAL BULLETIN ISSUED BY IMD TODAY (DT.21.10.2024)**, THE LOW PRESSURE AREA OVER THE EAST CENTRAL BAY OF BENGAL AND ADJOINING NORTH ANDAMAN SEA MOVED WEST-NOR WESTWARDS AND LAY AS A WELL-MARKED LOW PRESSURE AREA OVER EAST CENTRAL BAY OF BENGAL AT 1130 HOURS IST OF TODAY, THE 21ST OCTOBER 2024 (.)

IT IS VERY LIKELY TO MOVE WEST-NORTHWESTWARDS AND INTENSIFY INTO A DEPRESSION BY 22ND OCTOBER MORNING AND INTO A CYCLONIC STORM BY 23RD OCTOBER, 2024 OVER EAST CENTRAL BAY OF BENGAL. THEREAFTER, IT IS VERY LIKELY TO MOVE NORTH WESTWARDS AND REACH NORTHWEST BAY OF BENGAL OFF ODISHA-WEST BENGAL COASTS BY 24TH OCTOBER MORNING. CONTINUING TO MOVE NORTH WESTWARDS, IT IS VERY LIKELY TO CROSS NORTH ODISHA AND WEST BENGAL COASTS BETWEEN PURI AND SAGAR ISLAND DURING NIGHT OF 24TH AND EARLY MORNING 25TH OCTOBER, 2024 AS A SEVERE CYCLONIC STORM WITH A WIND SPEED OF 100-110 KMPH GUSTING 120 KMPH (.)

2. **WEATHER WARNING :**

DAY 1 & 2 (VALID UP TO 0830 HRS IST OF 22.10.2024) UP TO 0830 HRS IST OF 23.10.2024):
NIL

DAY 3 (VALID FROM 0830 HRS IST OF 23.10.2024 UP TO 0830 HRS IST OF 24.10.2024):

YELLOW WARNING: HEAVY RAINFALL (7 TO 11CM) & THUNDERSTORM WITH LIGHTNING VERY LIKELY TO OCCUR AT ISOLATED PLACES IN THE DISTRICTS OF **BALASORE, JAJPUR, BHADRAK, KENDRAPADA, , JAGATSINGHPUR AND PURI** (.)

DAY 4 (VALID FROM 0830 HRS IST OF 24.10.2024 UP TO 0830 HRS IST OF 25.10.2024):

RED WARNING: SCATTERED HEAVY TO VERY HEAVY RAINFALL(7 TO 20CM) WITH ISOLATED EXTREMELY HEAVY RAINFALL (>20CM) FALLS VERY LIKELY TO OCCUR IN THE DISTRICTS OF **MAYURBHANJ, CUTTACK, JAJPUR, BALASORE, BHADRAK, KENDRAPADA, AND JAGATSINGHPUR** (.)

ORANGE WARNING: HEAVY TO VERY HEAVY RAINFALL (7 TO 20CM) VERY LIKELY TO OCCUR AT ISOLATED PLACES IN THE DISTRICTS OF **KEONJHAR, ANGUL, DHENKANAL, NAYAGARH, KHORDHA PURI AND GANJAM** (.)

YELLOW WARNING: HEAVY RAINFALL (7 TO 11CM) VERY LIKELY TO OCCUR AT ISOLATED PLACES IN THE DISTRICTS OF **SUNDARGARH, JHARSUGUDA, DEOGARH, SAMBALPUR, SONEPUR, BOUDH, KANDHAMAL AND GAJAPATI** (.)

DAY 5 (VALID FROM 0830 HRS IST OF 25.10.2024 UP TO 0830 HRS IST OF 26.10.2024):

RED WARNING: SCATTERED HEAVY TO VERY HEAVY FALLS (7 TO 20CM) WITH ISOLATED EXTREMELY HEAVY RAINFALL (>20CM) VERY LIKELY TO OCCUR AT ISOLATED PLACES IN THE DISTRICTS OF **MAYURBHANJ, KEONJHAR, BALASORE AND BHADRAK** (.)

ORANGE WARNING: HEAVY TO VERY HEAVY RAINFALL (7 TO 20CM) VERY LIKELY TO OCCUR AT ISOLATED PLACES IN THE DISTRICTS OF **SUNDARGARH, DEOGARH, ANGUL, DHENKANAL, JAJPUR, CUTTACK, KENDRAPADA AND JAGATSINGHPUR** (.)

YELLOW WARNING: HEAVY RAINFALL (7 TO 11CM) VERY LIKELY TO OCCUR AT ISOLATED PLACES IN THE DISTRICTS OF **BARGARH, JHARSUGUDA, SAMBALPUR, SONEPUR, BOUDH, NAYAGARH, KHORDHA, PURI AND GANJAM** (.)

3. FISHERMEN WARNING: FISHERMEN ARE ADVISED NOT TO VENTURE INTO ALONG & OFF ODISHA COASTS, NORTH BAY OF BENGAL & ADJOINING AREAS OF WESTCENTRAL BAY OF BENGAL UP TO 26TH OCT, 2024. FISHERMEN WHOEVER OUT AT SEA ARE ADVISED TO RETURN TO COASTS BY 21ST OCT, 2024 (.)

IMD HAS ISSUED RED, ORRANGE & YELLOW WARNING IN RESPECT OF THE ABOVE DISTRICTS (.) COPY OF THE IMD'S **SPECIAL BULLETIN** IS ATTACHED, WHICH MAY BE REFERRED TO (.)

4. ADVISORY TO COLLECTORS:

- DISTRICTS UNDER RED, ORANGE & YELLOW WARNING TO REMAIN IN READINESS TO MEET ANY EVENTUALITY PARTICULARLY WATER LOGGING/ LANDSLIDE IN HILLY AREAS (.)
- CONTINUOUS VIGIL OF LOWLYING AREAS, DEWATERING WHEREVER REQUIRED INCLUDING URBAN AREAS MAY BE TAKEN UP(.)
- AVOID MOVEMENT IN AFFECTED AREAS, STAY IN SAFE PLACE.
- WATER LOGGING IN UNDERPASS ROAD AND OCCASIONAL REDUCTION OF VISIBILITY CAUSING TRAFFIC CONGESTION IN URBAN AREAS.
- POSTPONED FERTILIZER/CHEMICALS APPLICATION IN AGRICULTURAL FIELD, KEEP LIVESTOCK IN SAFE PLACE.
- ADVICE FOR FISHERMEN TO BE STRICTLY IMPLEMENTED (.)
- SITUATION MAY BE CLOSELY MONITORED (.)


ADDITIONAL SPECIAL RELIEF COMMISSIONER

Special Weather Bulletin

Date: 21st Oct 2024
Time: 1500 Hrs IST

SUB: Well Marked Low Pressure Area over east central Bay of Bengal: **Pre-Cyclone Watch for Odisha coasts**

The Low Pressure Area over the East central Bay of Bengal and adjoining north Andaman Sea moved west-nor westwards and lay as a **well-marked low pressure** area over east central Bay of Bengal at 1130 hours IST of today, the 21st October 2024.

It is very likely to move west-northwestwards and **intensify into a depression** by 22nd October morning and into a **cyclonic storm** by 23rd October, 2024 over east central Bay of Bengal. Thereafter, it is very likely to move north westwards and reach northwest Bay of Bengal off Odisha-West Bengal coasts by 24th October morning. Continuing to move north westwards, it is very likely to cross north Odisha and West Bengal coasts between **Puri and Sagar Island** during night of 24th and early morning 25th October, 2024 as a **severe Cyclonic Storm** with a wind speed of **100-110 kmph gusting 120 kmph**.

Forecast track and intensity are given in the following table:

Date/Time (IST)	Position (Lat. °N/ Long. °E)	Maximum Sustained Surface Wind Speed (Kmph)	Category Of Cyclonic Disturbance
21.10.24/1130	15.0/92.0	25-35 gusting to 45	Well Marked Low Pressure Area
21.10.24/2330	15.3/91.2	30-40 gusting to 50	Well Marked Low Pressure Area
22.10.24/1130	15.6/90.3	40-50 gusting to 60	Depression
22.10.24/2330	16.1/89.4	50-60 gusting to 70	Deep Depression
23.10.24/1130	16.8/88.7	60-70 gusting to 80	Cyclonic Storm
23.10.24/2330	18.1/88.1	80-90 gusting to 100	Cyclonic Storm
24.10.24/1130	19.4/87.6	90-100 gusting to 110	Severe Cyclonic Storm
24.10.24/2330	20.7/87.0	100-110 gusting to 120	Severe Cyclonic Storm
25.10.24/1130	21.3/86.4	75-85 gusting to 95	Cyclonic Storm
25.10.24/2330	21.8/85.7	45-55 gusting 65	Depression

Forecast for next five days:

Day-1 :(Valid up to 0830 Hrs IST of 22.10.24):

Light to moderate rain/thundershower very likely to occur at one or two places in the districts of Malkangiri, Koraput, Nawarangpur, Rayagada, Gajapati & dry weather very likely to prevail over the rest districts of Odisha.

Day -2 :(Valid from 0830 Hrs IST of 22.10.24 to 0830 Hrs IST of 23.10.24)

Light to moderate rain/thundershower very likely to occur at one or two places in the districts of Koraput, Malkangiri & dry weather very likely to prevail in the rest districts of Odisha.

Day -3 :(Valid from 0830 Hrs IST of 23.10.24 to 0830 Hrs IST of 24.10.24)

Light to moderate rain/thundershower very likely to occur at most places over the districts of north Odisha and at many places over the districts of south Odisha, north interior Odisha and at one or two places over the districts of south interior Odisha.

Day -4 :(Valid from 0830 Hrs IST of 24.10.24 to 0830 Hrs IST of 25.10.24)

Light to moderate rain/thundershower very likely to occur at most places in the districts of Odisha & at a few places in the districts of Interior Odisha.

Day -5 :(Valid from 0830 Hrs IST of 25.10.24 to 0830 Hrs IST of 26.10.24)

Light to moderate rain/thundershower very likely to occur at most places in the districts of Odisha.

Heavy rainfall warning for next five days as follows:

Days	Heavy Rainfall Warning
Day-1: (Valid up to 0830 Hrs IST of 22.10.24)	<u>NIL</u>
Day-2: (Valid from 0830 Hrs IST of 22.10.24 to 0830 Hrs IST of 23.10.24.)	
Day-3: (Valid from 0830 Hrs IST of 23.10.24 to 0830 Hrs IST of 24.10.24.)	Yellow Warning (Be Aware) Heavy rainfall (7 to 11cm) & thunderstorm with lightning very likely to occur at isolated places in the districts of Balasore, Jajpur, Bhadrak, Kendrapada, Kendrapada, Jagatsinghpur, Puri.
Day-4: (Valid from 0830 Hrs IST of 24.10.24 to 0830 Hrs IST of 25.10.24.)	Red warning (Take Action) Scattered heavy to very heavy rainfall(7 to 20cm) with isolated extremely heavy rainfall (>20cm) falls very likely to occur in the districts of Mayurbhanj, Cuttack, Jajpur, Balasore, Bhadrak, Kendrapada, and Jagatsinghpur. Orange warning (Be Prepared to take action) Heavy to very heavy rainfall (7 to 20cm) very likely to occur at isolated places in the districts of Keonjhar, Angul, Dhenkanal, Nayagarh, Khordha Puri, Ganjam. Yellow Warning (Be Aware) Heavy rainfall (7 to 11cm) very likely to occur at isolated places in the districts of Sundargarh, Jharsuguda, Deogarh, Sambalpur, Sonapur, Boudh, Kandhamal, Gajapati.
Day-5: (Valid from 0830 Hrs IST of 25.10.24 to 0830 Hrs IST of 26.10.24.)	Red warning (Take Action) Scattered heavy to very heavy falls (7 to 20cm) with isolated extremely heavy rainfall (>20cm) very likely to occur at isolated places in the districts of Mayurbhanj, Keonjhar, Balasore, Bhadrak . Orange warning (Be Prepared to take action) Heavy to very heavy rainfall (7 to 20cm) very likely to occur at isolated places in the districts of Sundargarh, Deogarh, Angul, Dhenkanal, Jajpur, Cuttack, Kendrapada, Jagatsinghpur. Yellow Warning (Be Aware) Heavy rainfall (7 to 11cm) very likely to occur at isolated places in the districts of Bargarh, Jharsuguda, Sambalpur, Sonapur, Boudh, Nayagarh, Khordha, Puri, Ganjam.

N.B.: District wise Wind Warning for land area of Odisha state is depicted in the picture in picture attached
Wind Warning:

Andaman Sea: Squally weather with wind speed reaching 35-45 gusting to 55 kmph is very likely over Andaman Sea on 21st October.

Eastcentral Bay of Bengal: Squally wind speed reaching 35-45 gusting to 65 kmph is very likely on 21st October, 55-65 gusting to 75 kmph by 22nd evening, 70-90 kmph gusting to 100 kmph from 23rd evening till 24th morning.

Adjoining areas of Westcentral Bay of Bengal: Squally wind speed reaching 45-55 gusting to 65 kmph is very likely on 23rd and 24th Oct.

North Bay of Bengal: Squally wind speed reaching 40-50 gusting to 60 kmph is very likely to commence from 23rd morning. It would gradually increase becoming gale wind speed reaching 100-110 kmph gusting to 120 kmph from 24th Oct evening to 25th Oct morning and decrease thereafter.

Along & off Odisha-west Bengal coasts: Squally wind speed reaching 40-50 gusting to 60 kmph is very likely to commence from 23rd Oct evening. It would gradually increase becoming gale wind speed reaching 100-110 kmph gusting to 120 kmph from 24th Oct night till 25th Oct morning.

Along & off Odisha-west Bengal coasts: Sea condition is likely to be Rough to Very Rough from 23rd evening and would become High from 24th October evening to 25th Oct forenoon.

Sea Conditions: Andaman Sea: Sea condition is likely to be Moderate to Rough on 21st October.

Eastcentral Bay of Bengal: Sea condition is likely to become Rough to Very Rough from 21st October morning to 22nd October evening, becoming very rough to high thereafter till 24th October morning.

Adjoining areas of Westcentral Bay of Bengal: Sea condition is likely to be Rough to Very Rough on 23rd and 24th October.

North Bay of Bengal: Sea condition is likely to be Rough to Very Rough from 23rd morning and would become High from 24th October morning till 25th Oct forenoon.

Along & off Odisha-west Bengal coasts: Sea condition is likely to be Rough to Very Rough from 23rd evening and would become High from 24th October evening to 25th Oct forenoon.

Fishermen Warning:

Fishermen are advised not to venture into

- **Andaman Sea till 21st October.**
- **Eastcentral Bay of Bengal during 21st-24th October.**
- **Adjoining areas of Westcentral Bay of Bengal on 23rd and 24th Oct.**
- **North Bay of Bengal and along & off Odisha, West Bengal and Bangladesh coasts during 23rd to 25th October.**

Fishermen out at sea are advised to return to coasts by 21st Oct.

(v) Impact Expected over districts of Odisha (Balasore, Bhadrak, Kendrapara, Jagatsinghpur, Puri, Khorda, Mayurbhanj, Kendujhar, Jajpur, Cuttack, Dhenkanal)

- Major damage to thatched houses/ huts. Roof tops may blow off. Unattached metal sheets may fly.
- Minor damage to power and communication lines.
- Major damage to Kutcha and some damage to Pucca roads. Flooding of escape routes.
- Possibilities of damage to vulnerable structure. Breaking of tree branches and uprooting of trees.
- Moderate damage to banana and papaya trees. Large dead limbs blown from trees.
- Damage to horticulture and standing crops in some areas due to inundation and wind.
- Damage to embankments/ salt pans.
- 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.
- Likely disruption of marine and inland water transportation like small boats and trawlers.
- It may lead to riverine flooding in some river catchments (for riverine flooding please visit Webpage of Central Water Commission)

- **Action Suggested Balasore, Bhadrak, Kendrapara, Jagatsinghpur, Puri, Khorda,**

Mayurbhanj, Kendujhar, Jajpur, Cuttack, Dhenkanal)

- TOTAL SUSPENSION OF FISHING OPERATIONS DURING 22ND TO 25TH OCT OVER CENTRAL AND NORTH BAY OF BENGAL.
- Movement in motor boats unsafe
- Coastal hutment dwellers to be moved to safer places.
- People in affected areas to remain indoors.
- Judicious regulation of onshore/offshore, Port and maritime activities including shipping.
- Judicious regulation of tourism activities in Andaman & Nicobar Islands.
- 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 1300 hrs IST of 22nd Oct 2024.

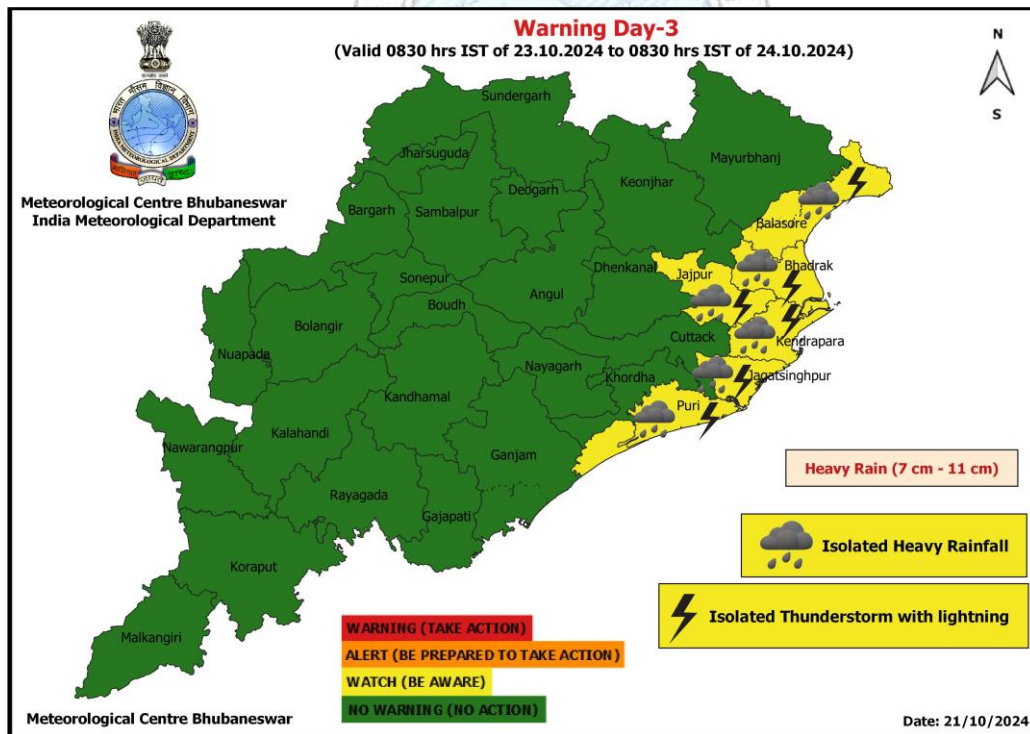
N.B: 1. Spatial rainfall distribution: Isolated :=< 25%, A few: 26-50%, Many: 51-75%, Most: 76-100%, Rainfall amount (mm): Heavy rain: 64.5 – 115.5, Very heavy rain: 115.6 – 204.4, extremely heavy rain: 204.5 or more. Probabilistic forecast: Unlikely =< 25%, likely 26-50%, Very likely 51-75%, Most likely > 7

DR. MANORAMA MOHANTY
HEAD & SC-F, MC BHUBANESWAR

To

1. Chief Secretary, Govt. Of Odisha.
2. Principal Secretary, Revenue & Disaster Management, Govt. Of Odisha.
3. Principal Secretary, Dept. Of Agriculture, Govt. Of Odisha.
4. Principal Secretary, Department Of Water Resources, Govt. Of Odisha.
5. Special Relief Commissioner (SRC), Govt. Of Odisha Bhubaneswar.
6. Revenue Secretary, Govt. Of Odisha, Bhubaneswar.
7. M.D., OSDMA, Govt. Of Odisha, Bhubaneswar.
8. RDC, Central Division/ Southern Division/ Northern Division.
9. Air Cuttack / Doordarshan.

Warning Maps

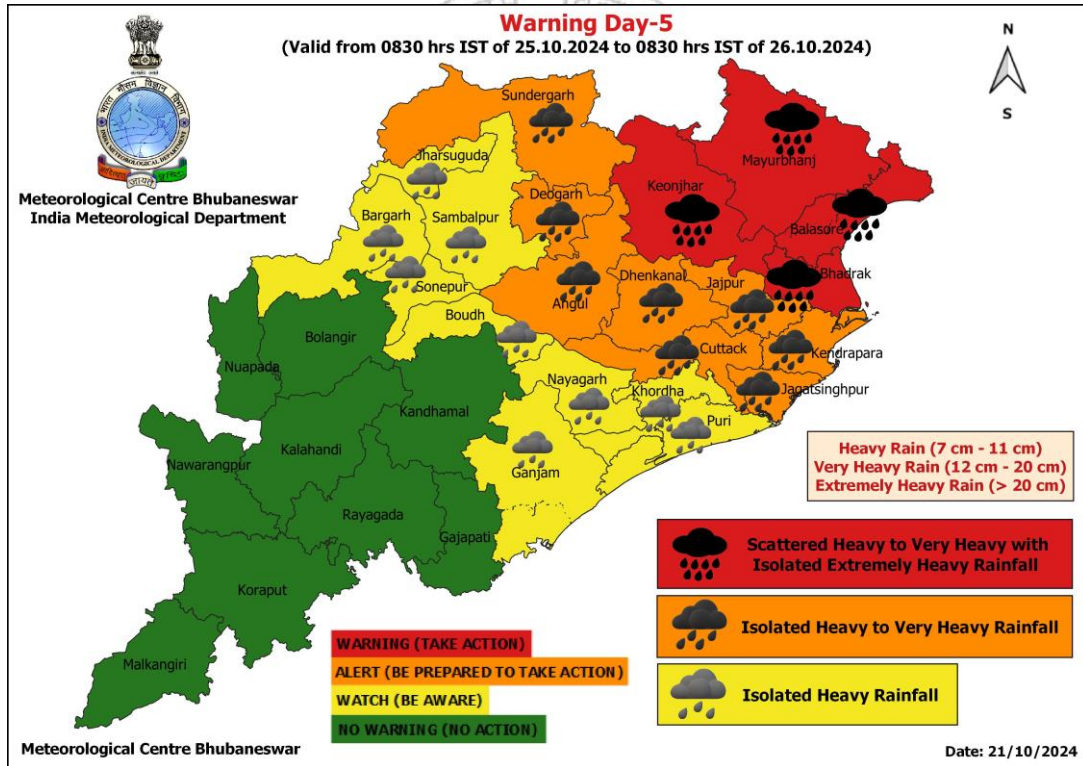
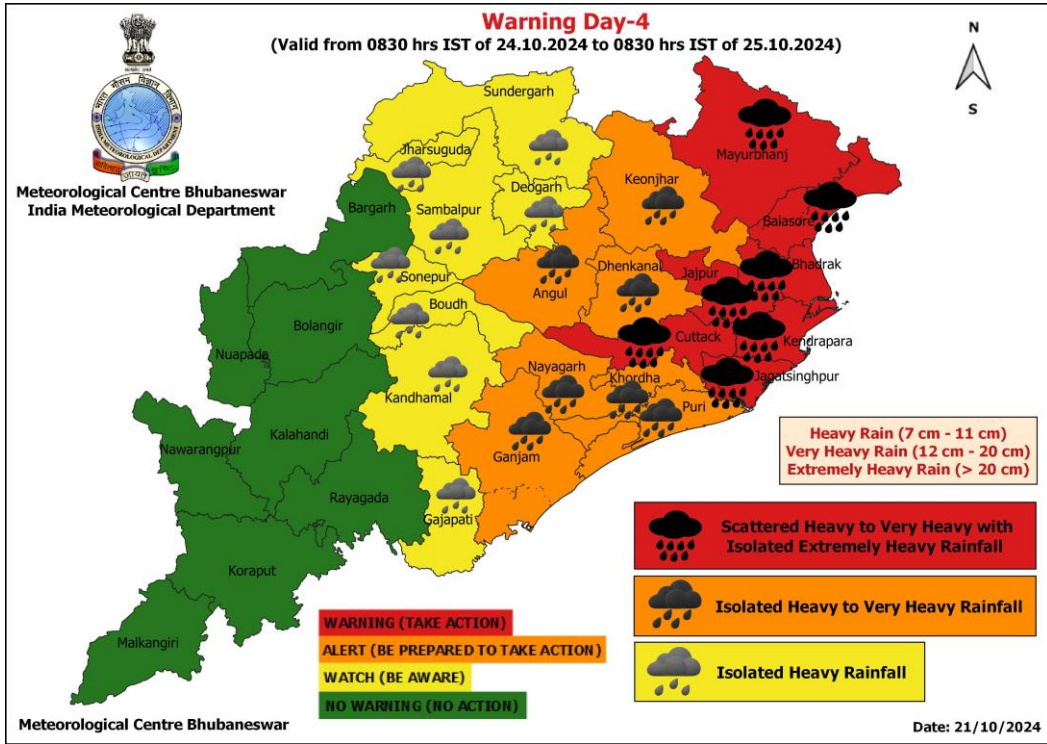


भारतसरकार
 पृथ्वीविज्ञानमंत्रालय
 भारतमौसमविज्ञानविभाग
 मौसमविज्ञानकेंद्र
 भुवनेश्वर, ओडिशा-751020

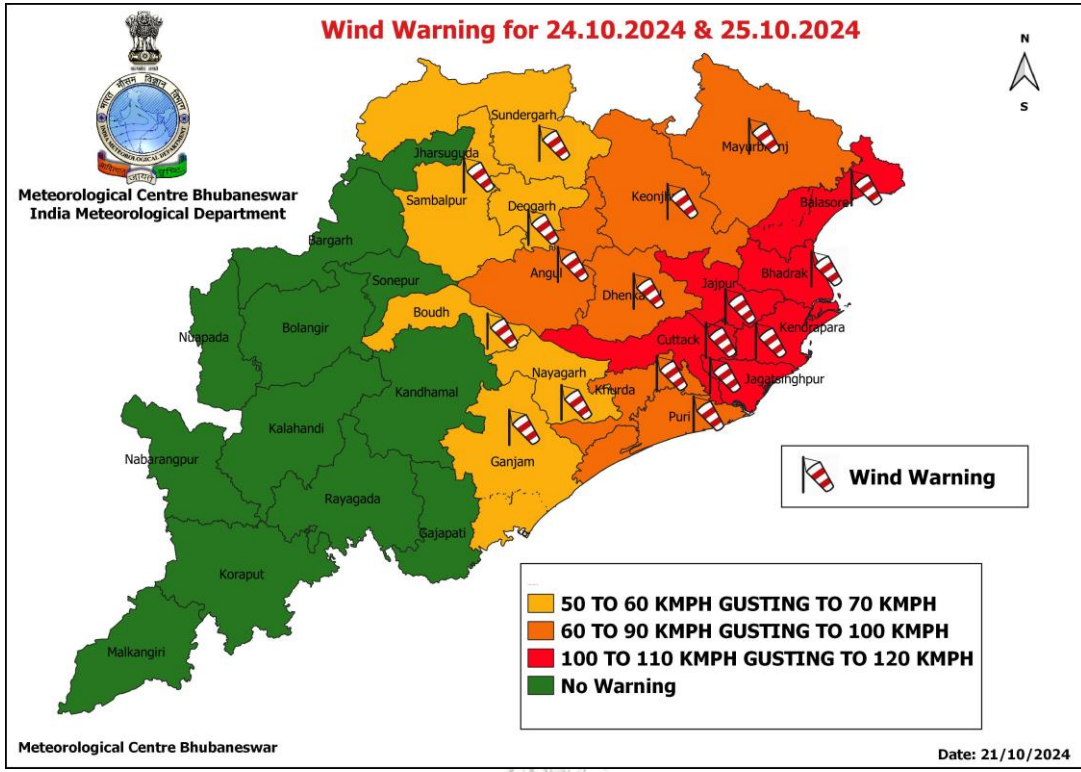


GOVERNMENT OF INDIA
 MINISTRY OF EARTH SCIENCES
 INDIA METEOROLOGICAL DEPARTMENT
 METEOROLOGICAL CENTRE
 BHUBANESWAR, ODISHA-751020

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 ପୃଥିବୀବିଜ୍ଞାନ ମନ୍ତ୍ରାଳୟ
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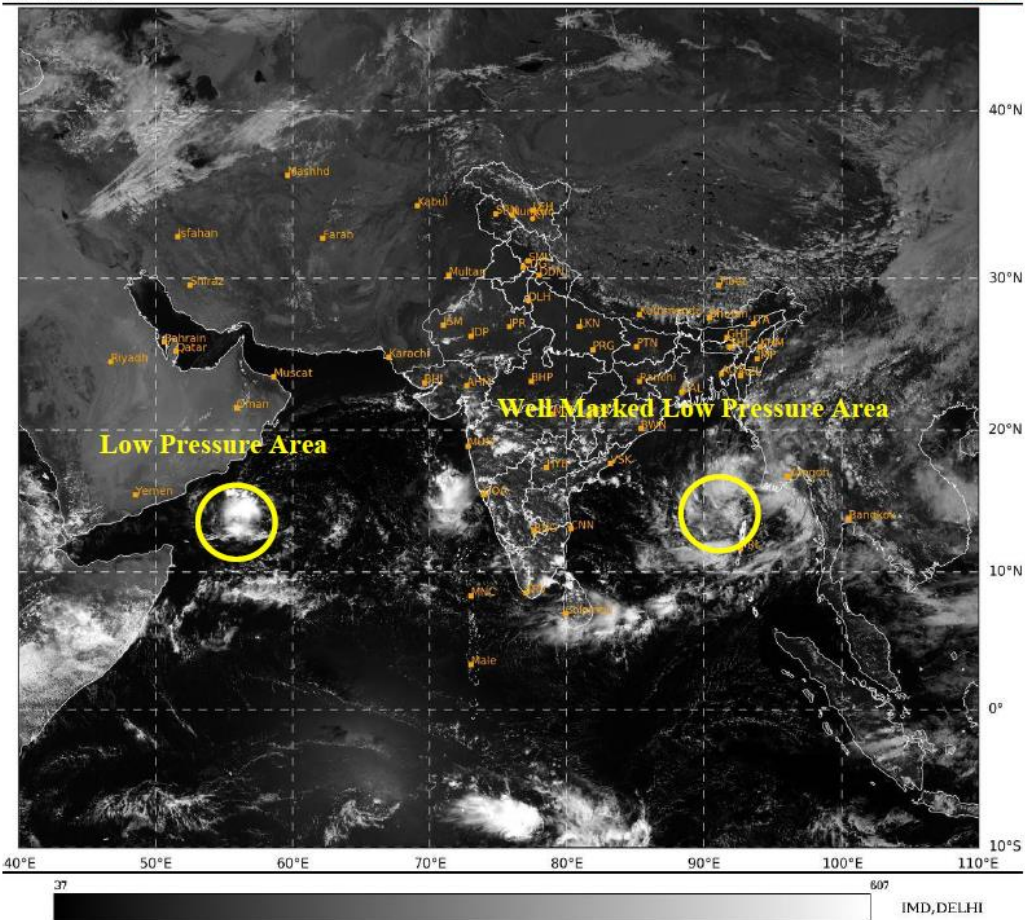


WIND WARNING

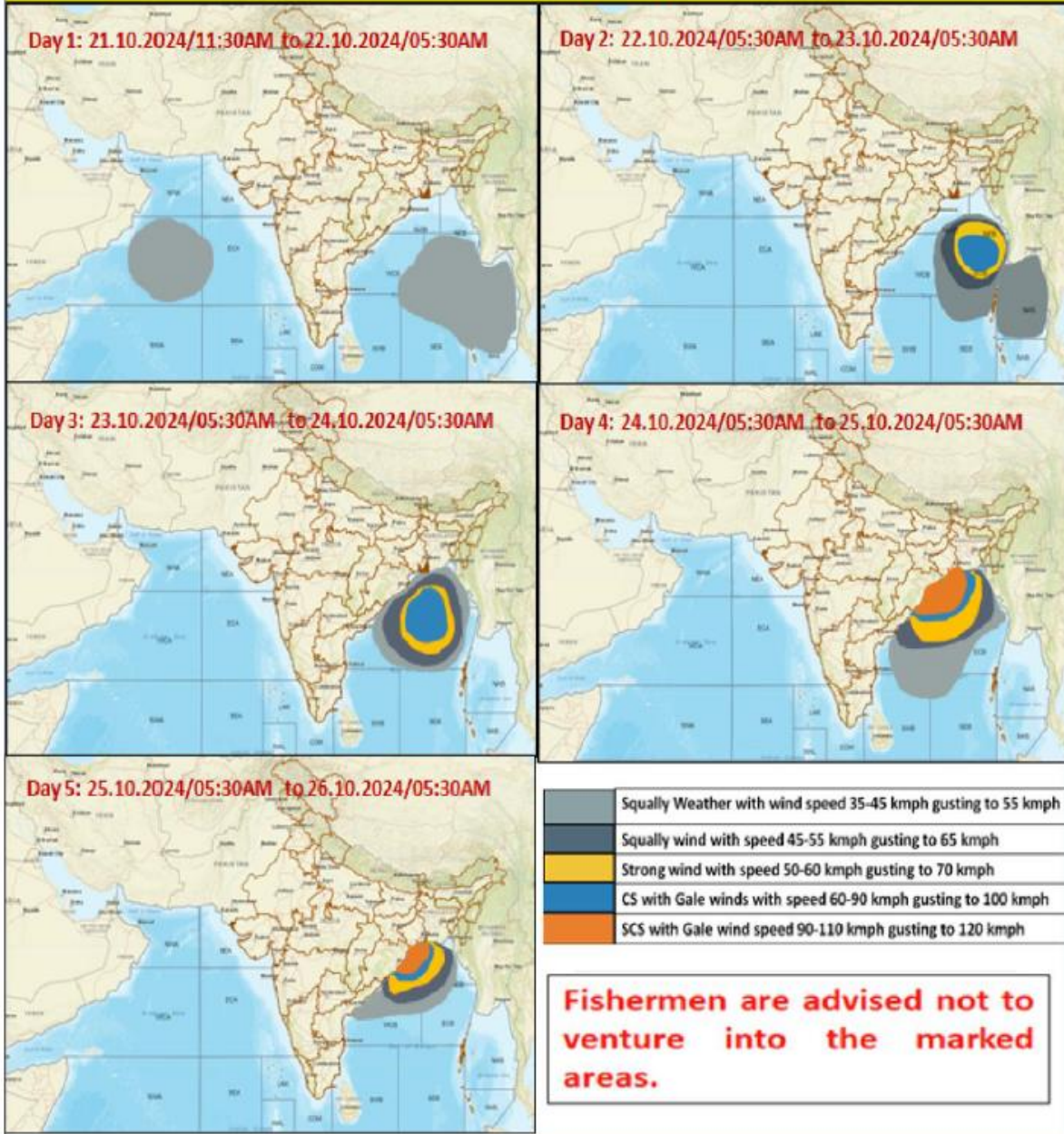


SAT : INSAT-3DR IMG
Visible Count 0.65 um
LIC Mercator

21-10-2024/(0745 to 0812) GMT
21-10-2024/(1315 to 1342) IST

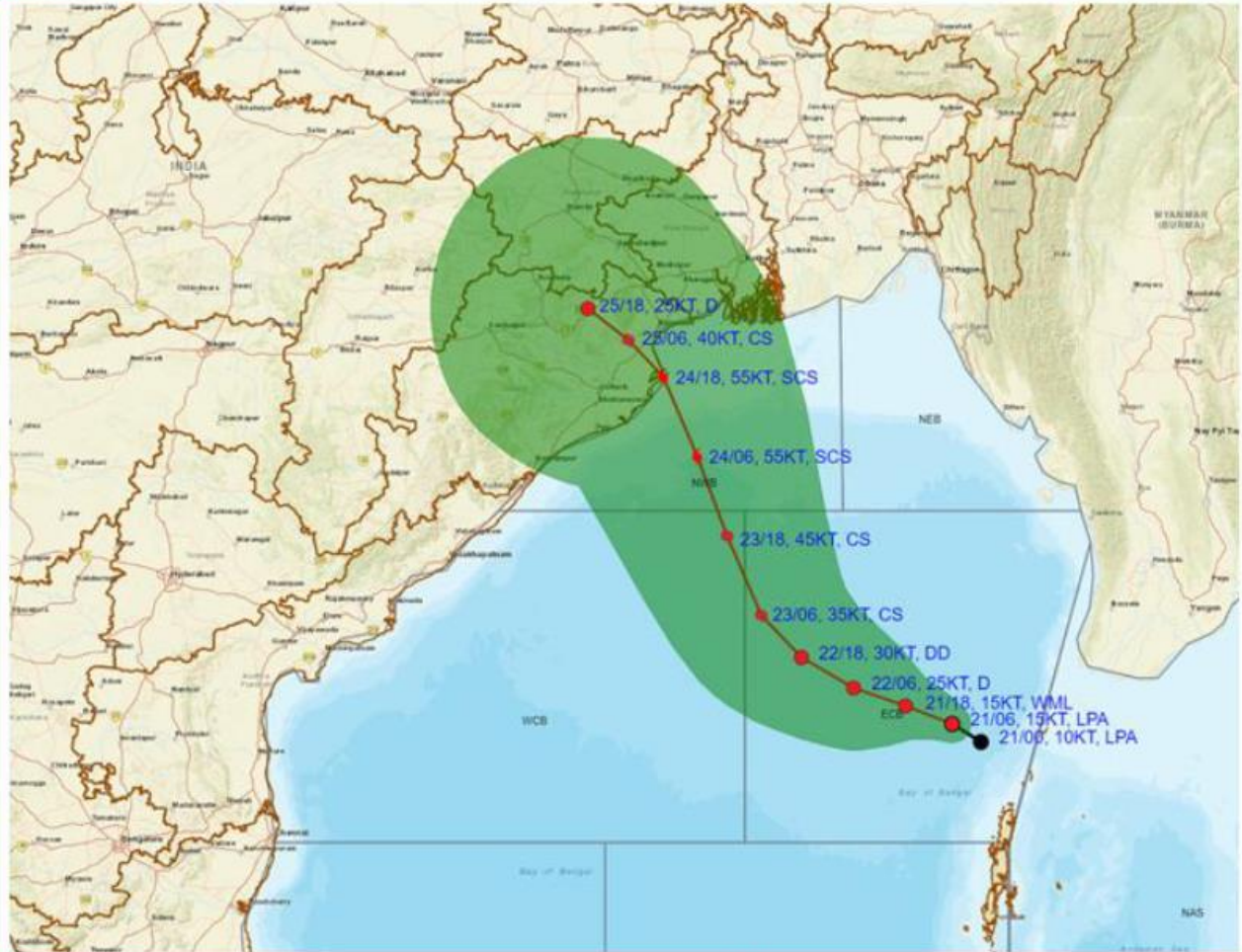


Fishermen Warning Graphics





OBSERVED AND FORECAST TRACK ALONGWITH CONE OF UNCERTAINTY OF LOW-PRESSURE AREA OVER EASTCENTRAL BAY OF BENGAL AND ADJOINING NORTH ANDAMAN SEA BASED ON 0600 UTC (1130 Hrs. IST) OF 21ST OCTOBER 2024



DATE/TIME IN UTC
IST=UTC + 0530

1KT=1.85 KMPH

L: LOW PRESSURE AREA
WML: WELL MARKED LOW PRESSURE AREA
D: DEPRESSION (17-27 KT)

● LESS THAN 34 KT

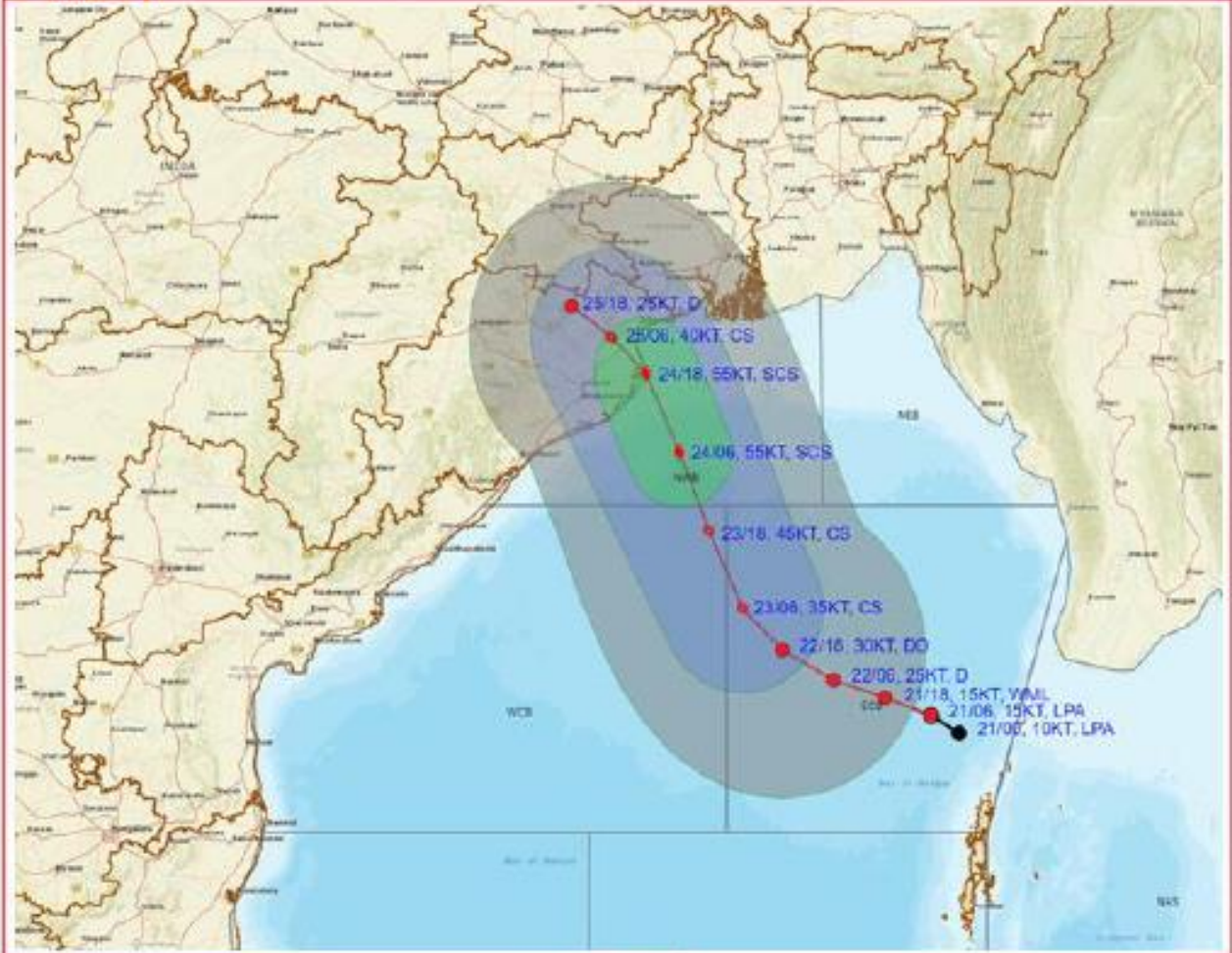
○ 34-47 KT

○ ≥ 48 KT





OBSERVED AND FORECAST TRACK ALONGWITH QUADRANT WIND DISTRIBUTION OF LOW-PRESSURE AREA OVER EASTCENTRAL BAY OF BENGAL AND ADJOINING NORTH ANDAMAN SEA BASED ON 0600 UTC (1130 Hrs. IST) OF 21ST OCTOBER 2024



DATE/TIME IN UTC
 IST=UTC + 0530
 1KT=1.85 KMPH
 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
 AREA OF MAXIMUM SUSTAINED WIND SPEED:
 ■ 28-33 KT (52-61 KMPH)
 ■ 34-49 KT (62-91 KMPH)
 ■ 50-63 KT (92-117 KMPH)
 ■ ≥ 64 KT (≥118 KMPH)

IMPACT OVER THE SEA

MSW (knot/kmph)	Impact	Action
28-33 (52-61)	Very rough seas	Total suspension of fishing operations
34-49 (62-91)	High to very high seas	Total suspension of fishing operations
50-63 (92-117)	Very high seas	Total suspension of fishing operations
≥ 64 (≥118)	Phenomenal	Total suspension of fishing operations