



Government of Odisha
Office of Special Relief Commissioner
No. 687AR&DM(DM) Date: 01.12.2021

MESSAGE

TO: ALL COLLECTORS

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

INFO: COMMISSIONER-CUM-SECRETARY TO GOVT. F&ARD/ SECRETARY TO GOVT. AGRICULTURE & FE DEPT./ DIRECTOR, AGRICULTURE & FP/ DIRECTOR, MUNICIPAL ADMINISTRATION/ E.I.C., DEPTT. OF WATER RESOURCES/ ALL RDCS/ ADG, LAW & ORDER/ IG, FIRE SERVICES/ COMMANDANT, NDRF 03 BN, MUNDALI/ EXECUTIVE DIRECTOR (ADMN.), OSDMA

LIKELY FORMATION OF A CYCLONIC STORM OVER CENTRAL BAY OF BENGAL AROUND 3RD DECEMBER (.)

1. **AS PER THE SPECIAL BULLETIN-2 ISSUED BY IMD TODAY (DT.01.12.2021)** YESTERDAY'S LOW PRESSURE OVER SOUTH THAILAND & NEIGHBOURHOOD EMERGED INTO CENTRAL ANDAMAN SEA IN THE SAME EVENING (1730 HRS IST) (.) IT PERSISTED OVER THE SAME REGION AT 0830 HRS IST OF TODAY THE 1ST DECEMBER 2021 (.) IT IS LIKELY TO MOVE WEST-NORTHWESTWARDS AND CONCENTRATE INTO A DEPRESSION OVER SOUTHEAST & ADJOINING EAST-CENTRAL BAY OF BENGAL BY TOMORROW, THE 2ND DECEMBER AND INTENSIFY INTO A CYCLONIC STORM OVER CENTRAL PARTS OF THE BAY OF BENGAL DURING THE SUBSEQUENT 24 HOURS (.) SUBSEQUENTLY, IT IS LIKELY TO MOVE NORTHWESTWARDS, INTENSIFY FURTHER AND REACH NEAR NORTH ANDHRA PRADESH – ODISHA COASTS AROUND 4TH DECEMBER MORNING (.)

2. WEATHER WARNING:

DAY-1 TO DAY -2 VALID UPTO 0830 HRS OF 03.12.2021: NIL

DAY-3: VALID FROM 0830 HRS OF 03.12.2021 TO 0830 HRS OF 04.12.2021 (.)

YELLOW WARNING: HEAVY RAINFALL VERY LIKELY TO OCCUR AT ISOLATED PLACES OVER THE DISTRICTS OF **GAJAPATI, GANJAM, PURI AND JAGATSINGHPUR (.)**

DAY-4: VALID FROM 0830 HRS OF 04.12.2021 TO 0830 HRS OF 05.12.2021 (.)

RED WARNING: HEAVY TO VERY HEAVY RAINFALL VERY LIKELY TO OCCUR AT A FEW PLACES OVER THE DISTRICTS OF **GAJAPATI, GANJAM, PURI AND JAGATSINGHPUR (.)**

ORANGE WARNING: HEAVY TO VERY HEAVY RAINFALL VERY LIKELY TO AT ONE OR TWO PLACES OVER THE DISTRICTS OF **KENDRAPADA, CUTTACK, KHORDHA, NAYAGARH, KANDHAMAL, RAYAGADA AND KORAPUT (.)**

YELLOW WARNING: HEAVY RAINFALL VERY LIKELY TO OCCUR AT ISOLATED PLACES OVER THE DISTRICTS OF **BALASORE, BHADRAK, JAJPUR AND MALKANGIRI (.)**

DAY-5: VALID FROM 0830 HRS OF 05.12.2021 TO 0830 HRS OF 06.12.2021:

ORANGE WARNING:HEAVY TO VERY HEAVY RAINFALL VERY LIKELY TO CONTINUE OVER THE DISTRICTS OF **MAYURBHANJ, BALASORE, BHADRAK, KENDRAPADA, JAGATSINGHPUR, JAJPUR, CUTTACK AND PURI(.)**

YELLOW WARNING:HEAVY RAINFALL VERY LIKELY TO OCCUR AT ISOLATED PLACES OVER THE DISTRICTS OF **KEONJHAR, ANGUL, DHENKANAL, NAYAGARH, KHORDHA, GANJAM AND GAJAPATI (.)**

3. WIND WARNING:

- (I) UNDER ITS INFLUENCE SQUALLY WIND SPEED REACHING 50-60 KMPH GUSTING TO 70 KMPH OVER SOUTHEAST & ADJOINING EAST-CENTRAL BAY OF BENGAL, ON 2ND DECEMBER. GALE WINDS SPEED REACHING 65-75 KMPH GUSTING TO 85 KMPH LIKELY TO PREVAIL OVER CENTRAL BAY OF BENGAL FROM THE EARLY MORNING OF 3RD DECEMBER AND GRADUALLY INCREASE BECOMING 90-100 KMPH GUSTING TO 110 KMPH OVER NORTHWEST & ADJOINING WEST-CENTRAL BAY OF BENGAL FROM THE MORNING OF 4TH DECEMBER FOR THE SUBSEQUENT 24 HOURS (.)
- (II) SQUALLY WIND SPEED REACHING 45-55 KMPH GUSTING TO 65 KMPH LIKELY TO COMMENCE ALONG & OFF NORTH ANDHRA PRADESH – ODISHA COASTS FROM THE MID-NIGHT OF 3RD DECEMBER AND INCREASE GRADUALLY BECOMING 70-80 KMPH GUSTING TO 90 KMPH FROM 4TH MORNING, FOR THE SUBSEQUENT 12 HOURS (.)

(III) SEA CONDITIONS :

SEA CONDITION WOULD BECOME VERY ROUGH TO HIGH OVER SOUTHEAST & ADJOINING EAST-CENTRAL BAY OF BENGAL ON 2ND DECEMBER (.) SEA CONDITION WOULD BE HIGH OVER CENTRAL BAY OF BENGAL ON 3RD DECEMBER AND HIGH TO VERY HIGH OVER WEST-CENTRAL & NORTHWEST BAY OF BENGAL FROM THE EARLY MORNING OF 4TH DECEMBER FOR THE SUBSEQUENT 24 HOURS (.)

SEA CONDITION WILL BE ROUGH TO VERY ROUGH OVER ALONG & OFF NORTH ANDHRA PRADESH – ODISHA COAST FROM THE MID-NIGHT OF 3RD DECEMBER AND BECOME HIGH TO VERY HIGH FROM 4TH AFTERNOON, FOR THE SUBSEQUENT 12 HOURS (.)

4. FISHERMEN WARNING:

FISHERMEN ARE ADVISED NOT TO VENTURE INTO SOUTHEAST & ADJOINING EAST-CENTRAL BAY OF BENGAL ON 2ND & 3RD DECEMBER, WEST-CENTRAL & ADJOINING NORTHWEST BAY OF BENGAL AND ALONG & OFF NORTH ANDHRA PRADESH - ODISHA-WEST BENGAL COASTS DURING 3RD - 5TH DECEMBER 2021 (.)

FISHERMEN WHOEVER OUT AT SEA ARE ADVISED TO RETURN TO COAST BY THE MORNING OF 2ND DECEMBER 2021 (.)

5. ADVISORY TO ALONG & OFF SHORE INSTALLATIONS:

THE OFF-SHORE & ALONGSHORE OPERATIONS ALONG ODISHA COAST (VIZ., ALL PORTS OF ODISHA, ITR CHANDIPUR, ARMY DEFENCE COLLEGE, GOPALPUR, INS CHILIKA, CHILIKA DEVELOPMENT AUTHORITY ESTABLISHMENT, ICZMP ACTIVITY, BHITARKANIKA WILDLIFE SANCTUARY, KENDRAPADA, ONGC ODISHA ETC) ARE ADVISED TO BE JUDICIOUSLY REGULATED ON 3RD DECEMBER AND TO BE SUSPENDED ON 4TH DECEMBER 2021, TO ENSURE SAFETY OF LIFE & PROPERTY (.)

ADVISORY TO COLLECTORS:

- SITUATION MAY BE CLOSELY MONITORED (.)
- DISTRICTS UNDER ORANGE & YELLOW WARNING TO REMAIN PREPARED TO MEET ANY WATER LOGGING / LOCALISED FLOOD LIKE SITUATION INCLUDING URBAN AREAS/ POSSIBILITY OF LANDSLIDES IN HILLY AREAS (.)
- CONTINUOUS VIGIL OF LOW LYING AREAS, DEWATERING WHEREVER REQUIRED IN URBAN AREAS MAY BE TAKEN UP (.)
- ENSURE FUNCTIONING OF CONTROL ROOM ROUND THE CLOCK (.)
- RAINFALL MAY BE REPORTED IMMEDIATELY TO THIS OFFICE (.)
- SITUATION REPORT MAY BE FURNISHED (.)
- ADVICE FOR FISHERMEN TO BE STRICTLY IMPLEMENTED (.)



01.12.2021

OFFICER-IN-CHARGE
STATE EMERGENCY OPERATION CENTRE
O/O SPECIAL RELIEF COMMISSIONER

SPECIAL BULLETIN-02

Date: 1st December 2021

Time: 1400 Hrs IST

Sub: Likely formation of a Cyclonic Storm over central Bay of Bengal around 3rd December 2021. – Pre-cyclone watch for north Andhra Pradesh – Odisha coasts

Yesterday's low pressure over south Thailand & neighbourhood emerged into central Andaman Sea in the same evening (1730 hrs IST). It persisted over the same region at 0830 hrs IST of today the 1st December 2021. It is likely to move west-northwestwards and concentrate into a Depression over southeast & adjoining east-central Bay of Bengal by tomorrow, the 2nd December and intensify into a Cyclonic Storm over central parts of the Bay of Bengal during the subsequent 24 hours. Subsequently, it is likely to move northwestwards, intensify further and reach near north Andhra Pradesh – Odisha coasts around 4th December morning.

Details Forecast and warning as follows:

Rainfall Forecast:

Light to moderate rain or thundershower very likely to occur at many places over the districts of south coastal Odisha & at a few places over rest districts Odisha on 3rd, light to moderate rain or thundershower very likely to occur at most places over districts of coastal Odisha & at many places over the districts of interior Odisha on 4th and light to moderate rain or thundershower very likely to occur at most places over the districts of north coastal Odisha and at many places over rest districts of Odisha on 5th Dec, 2021.

Warnings:

Heavy Rainfall Warning	Impact & action suggested
<p>Day-3 (Valid from 0830 Hrs IST of 03.12.21 to 0830 Hrs IST of 04.12.21):</p> <p>Yellow Warning (Be updated) Heavy rainfall very likely to occur at isolated places over the districts of Gajapati, Ganjam, Puri and Jagatsinghpur.</p>	
<p>Day-4 (Valid from 0830 Hrs IST of 04.12.21 to 0830 Hrs IST of 05.12.21):</p> <p>Red warning (Take action) Heavy to very heavy rainfall very likely to occur at a few places with isolated extremely heavy falls (more than 20 cm) over the districts of Gajapati, Ganjam, Puri, and Jagatsinghpur</p> <p>Orange warning (Be Prepared) Heavy to very heavy rainfall very likely to at one or two places over the districts of Kendrapada, Cuttack, Khordha, Nayagarh, Kandhamal, Rayagada and Koraput</p> <p>Yellow Warning (Be updated) Heavy rainfall very likely to occur at isolated places over the districts of Balasore, Bhadrak, Jajpur and Malkangiri.</p>	<p>i) Localized flooding /Water logging and inundation in low lying areas. ii) Minor Damage to Kutchha roads and vulnerable structure and wall collapsed of vulnerable kutchha houses iii) Temporary disruption of municipal services, Water logging in underpass road and occasional reduction of visibility causing traffic congestion in urban areas. iv) Damage to horticulture/standing crops in some areas due to inundation. v) Localized Landslides in hilly areas. vi) Avoid staying in vulnerable structure and movement in affected areas. vii) Complete harvest of matured paddy crop and the harvested paddy should be shifted to safer places. Also harvest the rabi vegetables like cauliflower and cabbage if heads are ready to use.</p>
<p>Day-5 (Valid from 0830 Hrs IST of</p>	

05.12.21 to 0830 Hrs IST of 06.12.21)

Orange warning (Be Prepared)

Heavy to very heavy rainfall very likely to occur at one or two places over the districts of Mayurbhanj, Balasore, Bhadrak, Kendrapada, Jagatsinghpur, Jajpur, Cuttack, and Puri.

Yellow Warning (Be updated)

Heavy rainfall very likely to occur at isolated places over the districts of Keonjhar, Angul, Dhenkanal, Nayagarh, Khordha, Ganjam and Gajapati

viii) Do arrangement for Drainage of excess water from standings crops in growing stage and vegetable fields.

ix) Postpone sowing of rabi crop like Green gram, black gram and Mustard and vegetables like potato, Onion and coriander.

x) Provide support to young fruit plants like Papaya and Banana and vegetables like ridge gourd. Cover the vegetable nursery with white polythene.

xi) Keep the livestock indoors during rainfall if possible keep them loose inside the shed. Keep feed for 3-5 days, in case of any emergency.

xii) It may lead to riverine flooding in some river catchments (Nagavali, Rushikulya, Vanshadhara) (for riverine flooding please visit Web page of CWC)

Wind warning:

(i) Under its influence Squally wind speed reaching 50-60 kmph gusting to 70 kmph over southeast & adjoining east-central Bay of Bengal, on 2nd December. Gale winds speed reaching 65-75 kmph gusting to 85 kmph likely to prevail over central Bay of Bengal from the early morning of 3rd December and gradually increase becoming 90-100 kmph gusting to 110 kmph over northwest & adjoining west-central Bay of Bengal from the morning of 4th December for the subsequent 24 hours.

(ii) Squally wind speed reaching 45-55 kmph gusting to 65 kmph likely to commence along & off North Andhra Pradesh – Odisha coasts from the mid-night of 3rd December and increase gradually becoming 70-80 kmph gusting to 90 kmph from 4th morning, for the subsequent 12 hours.

(iii) Sea conditions

Sea condition would become very rough to High over southeast & adjoining east-central Bay of Bengal on 2nd December. Sea condition would be High over central Bay of Bengal on 3rd December and High to very High over west-central & northwest Bay of Bengal from the early morning of 4th December for the subsequent 24 hours.

Sea condition will be rough to very rough over along & off North Andhra Pradesh – Odisha coast from the mid-night of 3rd December and become High to very High from 4th Afternoon, for the subsequent 12 hours.

(ii) Fishermen Warning:

Fishermen are advised not to venture into southeast & adjoining east-central Bay of Bengal on 2nd & 3rd December, west-central & adjoining northwest Bay of Bengal and along & off north Andhra Pradesh - Odisha-West Bengal coasts during 3rd - 5th December 2021.

Fishermen whoever out at Sea are advised to return to coast by the morning of 2nd December 2021.

(v) Advisory to along & off shore Installations

The off-shore & alongshore operations along Odisha coast (Viz., All ports of Odisha, ITR Chandipur, Army Defence College, Gopalpur, INS Chilika, Chilika Development Authority establishment, ICZMP activity, Bhitarkanika wildlife sanctuary, Kendrapada, ONGC Odisha etc) are advised to be judiciously regulated on 3rd December and to be suspended on 4th December 2021, to ensure safety of life & property.

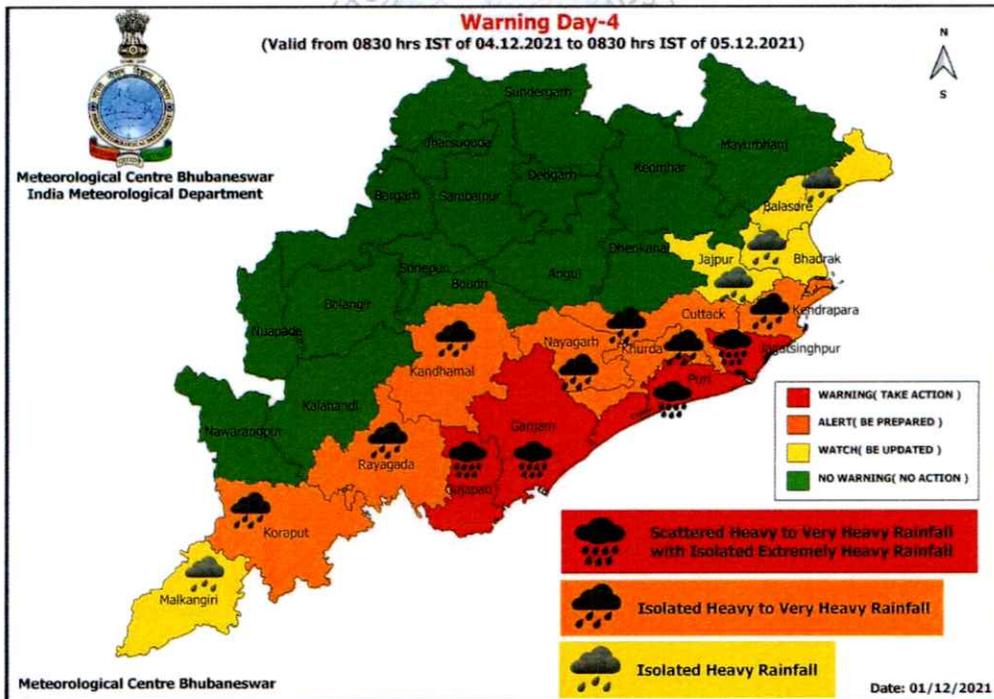
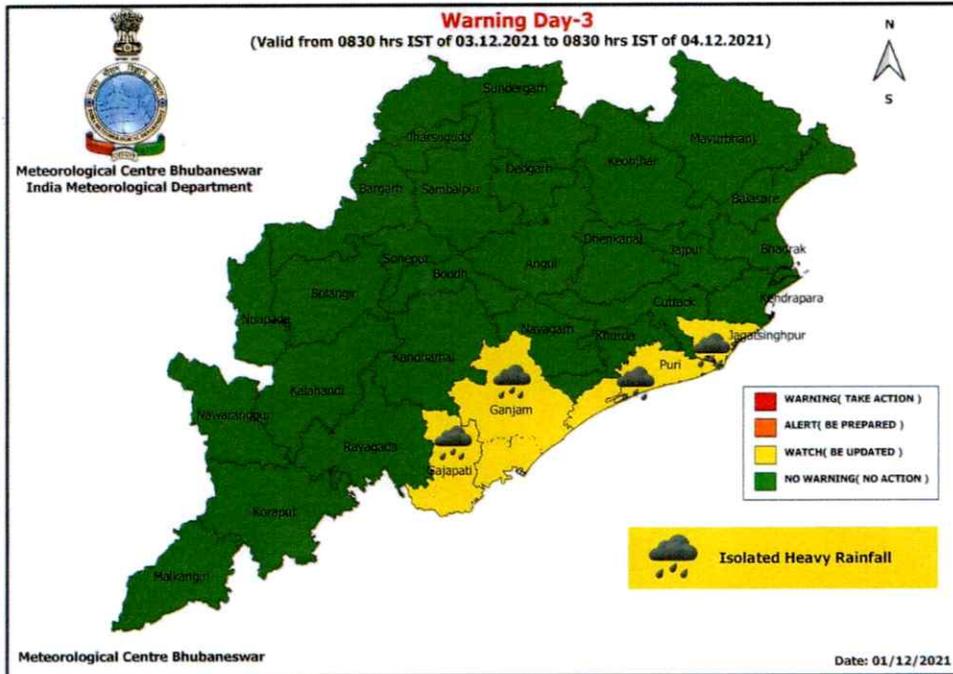
N.B: SPATIAL RAINFALL DISTRIBUTION: ISOLATED :=< 25%, A FEW: 26-50%, MANY: 51-75%, MOST: 76-100%, RAINFALL AMOUNT (MM): HEAVY RAIN: 64.5 – 115.5, VERY HEAVY RAIN: 115.6 – 204.4, EXTREMELY HEAVY RAIN: 204.5 OR MORE. PROBABILISTIC FORECAST: UNLIKELY :=< 25%, LIKELY 26-50%, VERY LIKELY 51-75%, MOST LIKELY > 75%

Dr.H.R. Biswas,
Head & Scientist-E,
Met .Centre 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.

Rainfall Warning Maps for Day-3 to Day-5

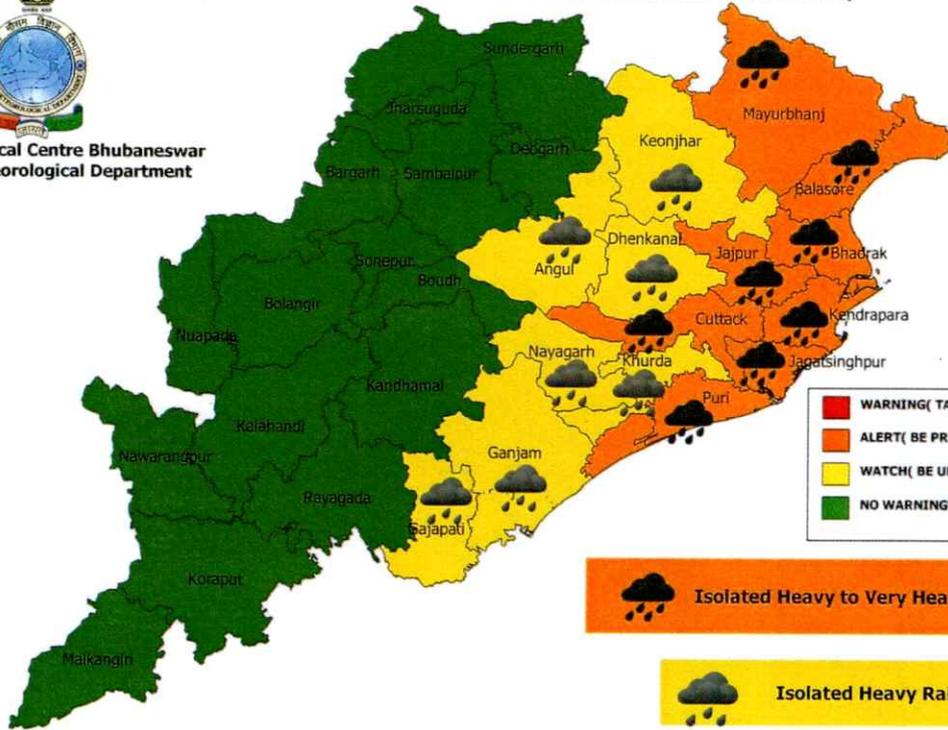




Meteorological Centre Bhubaneswar
India Meteorological Department

Warning Day-5

(Valid from 0830 hrs IST of 05.12.2021 to 0830 hrs IST of 06.12.2021)



- WARNING(TAKE ACTION)
- ALERT(BE PREPARED)
- WATCH(BE UPDATED)
- NO WARNING(NO ACTION)

Isolated Heavy to Very Heavy Rainfall

Isolated Heavy Rainfall

Meteorological Centre Bhubaneswar

Date: 01/12/2021

