

## PRESS RELEASE

Date: 1<sup>st</sup> 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 3<sup>rd</sup>, 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 4<sup>th</sup> 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 5<sup>th</sup> Dec, 2021.

### **Warnings:**

Heavy Rainfall Warning	Impact & action suggested
<b>Day-3 (Valid from 0830 Hrs IST of 03.12.21 to 0830 Hrs IST of 04.12.21 ):</b>	
<b>Yellow Warning (Be updated)</b> Heavy rainfall very likely to occur at isolated places over the districts of Gajapati, Ganjam, Puri and Jagatsinghpur.	
<b>Day-4 (Valid from 0830 Hrs IST of 04.12.21 to 0830 Hrs IST of 05.12.21 ):</b>	
<b>Red warning (Take action)</b> 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	i) Localized flooding /Water logging and inundation in low lying areas. ii) Minor Damage to Kutcha roads and vulnerable structure and wall collapsed of vulnerable kutcha houses iii) Temporary disruption of municipal services, Water logging in underpass road and occasional reduction of visibility causing traffic congestion in urban areas.
<b>Orange warning (Be Prepared)</b> 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	iv) Damage to horticulture/standing crops in some areas due to inundation. v) Localized Landslides in hilly areas.
<b>Yellow Warning (Be updated)</b> Heavy rainfall very likely to occur at isolated places over the districts of Balasore, Bhadrak, Jajpur and Malkangiri.	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.
<b>Day-5(Valid from 0830 Hrs IST of</b>	

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 2<sup>nd</sup> 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 3<sup>rd</sup> December and gradually increase becoming 90-100 kmph gusting to 110 kmph over northwest & adjoining west-central Bay of Bengal from the morning of 4<sup>th</sup> 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 3<sup>rd</sup> December and increase gradually becoming 70-80 kmph gusting to 90 kmph from 4<sup>th</sup> 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 2<sup>nd</sup> December. Sea condition would be High over central Bay of Bengal on 3<sup>rd</sup> December and High to very High over west-central & northwest Bay of Bengal from the early morning of 4<sup>th</sup> 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 3<sup>rd</sup> December and become High to very High from 4<sup>th</sup> Afternoon, for the subsequent 12 hours.

**(ii) Fishermen Warning:**

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

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

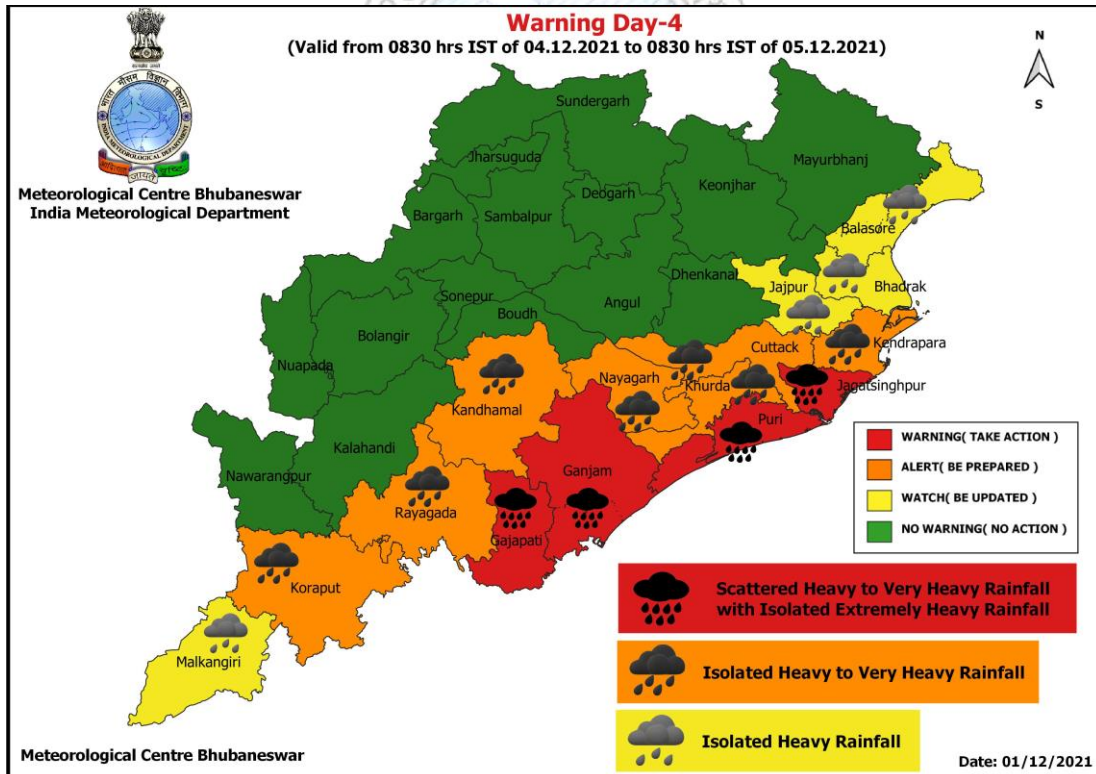
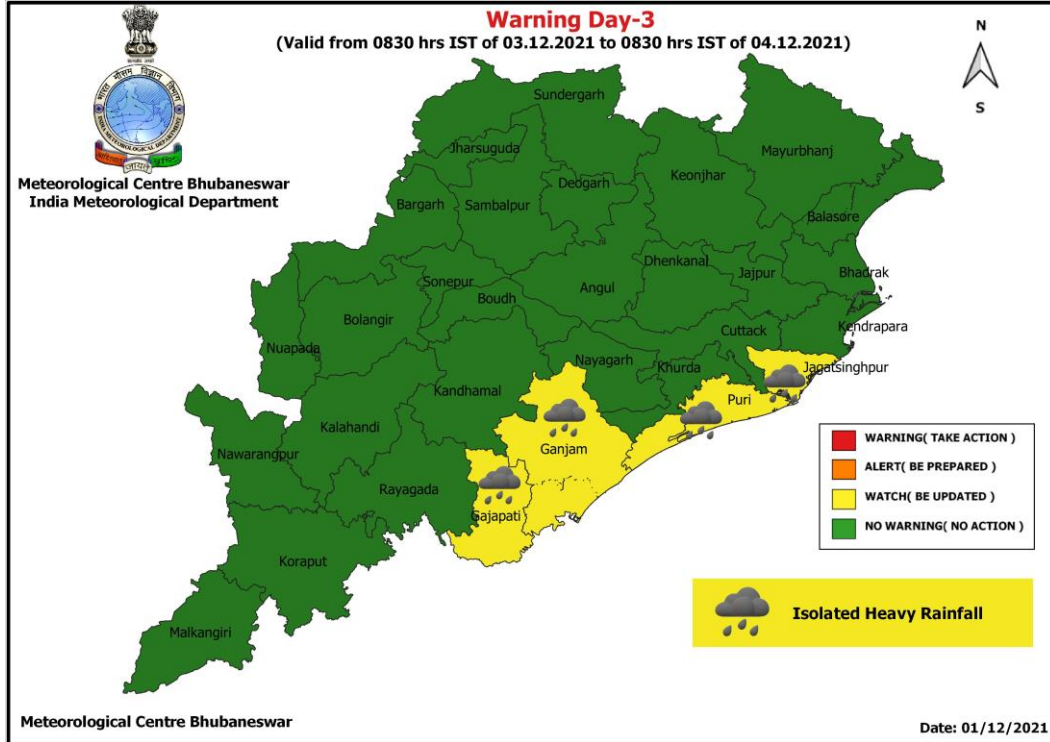
**(v) Advisory to along & off shore Installations**

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 3<sup>rd</sup> December and to be suspended on 4<sup>th</sup> 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%



**Rainfall Warning Maps for Day-3 to Day-5**

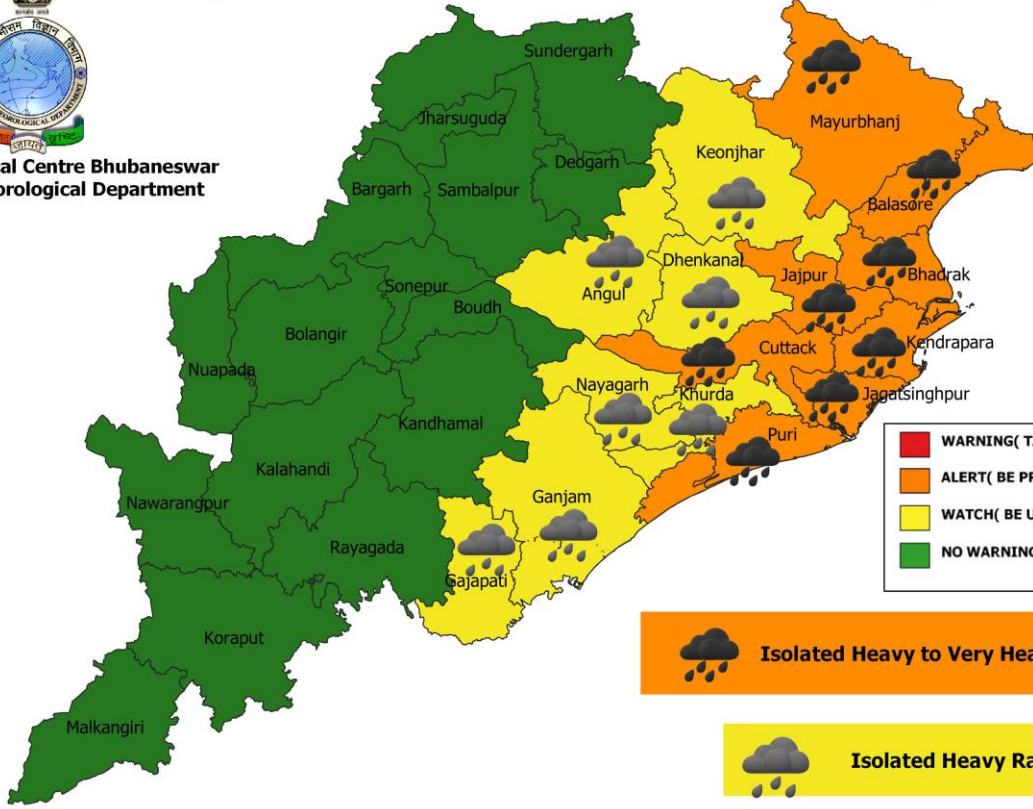






Meteorological Centre Bhubaneswar  
India Meteorological Department

### Warning Day-5 (Valid from 0830 hrs IST of 05.12.2021 to 0830 hrs IST of 06.12.2021)



Meteorological Centre Bhubaneswar

Date: 01/12/2021

