भारतसरकार पृथ्वीविज्ञानमंत्रालय भारतमौसमविज्ञानविभाग मौसमविज्ञानकेंद्र भुवनेश्वर, ओडिशा-751020

GOVERNMENT OF INDIA MINISTRY OF EARTH SCIENCES INDIA METEOROLOGICAL DEPARTMENT METEOROLOGICAL CENTRE BHUBANESWAR, ODISHA-751020 ଭାରତସରକାର ପୃଥିବୀବିଜ୍ଞାନମନ୍ତ୍ରାଳୟ ଭାରତପାଣିପାଗବିଜ୍ଞାନବିଭାଗ ପାଣିପାଗବିଜ୍ଞାନକେନ୍ଦ୍ର ଭୁବନେଶ୍ୱର, ଓଡିଶା-୭୫ ୧ ୦ ୨ ୦

PRESS RELEASE

Date:3rd December 2021 Time: 1300 Hrs IST

Sub:Deep Depression over westcentral Bay of Bengal: Cyclone Alert for north Andhra Pradesh and Odisha coasts.

The Deep Depression over westcentral and adjoining south Bay of Bengal moved north-northwestwards with a speed of 30 kmph during past 06 hours, and lay centered at 0830 hrs IST of today, the 3rd December 2021, over westcentral of Bengal near Lat. 14.0°N and Long. 86.0°E, about 480 km south-southeast of Vishakhapatnam (Andhra Pradesh), 600 km south-southeast of Gopalpur (Odisha) and 700 km south-southwest of Paradip (Odisha).

It is likely to move northwestwards and intensify into a Cyclonic Storm during next 06 hours. It is likely to reach west-central Bay of Bengal off north Andhra Pradesh – south Odisha coasts by tomorrow, the 4th December morning. Thereafter it is likely to recurve north-northeastwards and move along Odisha coast during the subsequent 24 hours with a maximum sustained wind speed of 80-90 kmph gusting to 100 kmph.

Date/Time(IST)	Position	Maximum sustained surface	Category of cyclonic
	(Lat. ⁰ N/ long. ⁰ E)	wind speed (Kmph)	disturbance
03.12.21/0830	14.0/86.0	55-65 gusting to 75	DEEP DEPRESSION
03.12.21/1130	14.6/85.5	60-70 gusting to 80	CYCLONIC STORM
03.12.21/1730	15.2/85.0	70-80 gusting to 90	CYCLONIC STORM
03.12.21/2330	15.7/84.6	75-85 gusting to 95	CYCLONIC STORM
04.12.21/0530	16.5/84.3	80-90 gusting to 100	CYCLONIC STORM
04.12.21/1730	17.8/84.3	90-100 gusting to 110	SEVERE CYCLONIC STORM
05.12.21/0530	19.0/85.1	80-90 gusting to 100	CYCLONIC STORM
05.12.21/1730	19.8/86.1	60-70 gusting to 80	CYCLONIC STORM

Forecast track and intensity are given in the following table:

Details Forecast and warning as follows: ROLOGICAN

Rainfall Forecast and warnings:

Day	Forecast	Heavy Rainfall Warning
Day-1	Light to moderate rain or	Yellow Warning (Be updated)
(Valid upto	thundershower very likely	Heavy to very heavy rainfall very likely to occur at one or two
0830 Hrs	to occur at many places	places over the districts of Ganjam , Gajapati with
IST of	over the districts of coastal	heavyrainfall very likely to occur at one or two places over the
04.12.21):	Odisha & at a few places	districts of Koraput, Rayagada, Puri Jagatsinghpur and
	over rest districts Odisha.	Kendrapada.
Day-2	Light to moderate rain or	Red warning (Take action)
(Valid from	thundershower very likely	Heavy to very heavy rainfall very likely to occur at a few
(, and from	inunucionovci very intery	Heavy to very neavy rannan very fikely to occur at a few
0830 Hrs	to occur at most places over	places with isolated extremely heavy falls (more than 20 cm)
0830 Hrs IST of	e e	
0830 Hrs IST of 04.12.21 to	to occur at most places over	places with isolated extremely heavy falls (more than 20 cm)
0830 Hrs IST of	to occur at most places over districts of coastal Odisha	places with isolated extremely heavy falls (more than 20 cm) over the districts of Gajapati, Ganjam, Puri, and

		 Heavy to very heavy rainfall very likely to at one or two places over the districts of Kendrapada, Cuttack, Khordha, Nayagarh, Kandhamal, and Rayagada <u>Yellow Warning (Be updated)</u> Heavyrainfall very likely to occur at isolated places over the districts of Balasore, Bhadrak, Jajpur, Koraput and Malkangiri.
Day-3 (Valid from 0830 Hrs IST of 05.12.21 to 0830 Hrs IST of 06.12.21):	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	Orange warning (Be Prepared)Heavy to very heavy rainfall very likely to occur at one or twoplaces over the districts of Mayurbhanj, Balasore, Bhadrak,Kendrapada, Jagatsinghpur, Jajpur, Cuttack, and Puri.Yellow Warning (Be updated)Heavyrainfall very likely to occur at isolated places over thedistricts of Keonjhar, Angul, Dhenkanal, Nayagarh,Khordha, Ganjam and Gajapati
Day-4 (Valid from 0830 Hrs IST of 06.12.21 to 0830 Hrs IST of 07.12.21):	Light to moderate rain or thundershower very likely to occur at isolated places over the districts of Odisha	NIL

Wind warning:

Squally wind speed reaching 55-65 kmph gusting to 75 kmph over westcentral and adjoining southeast & Eastcentral Bay of Bengal during next 06 hours. Gale winds speed reaching 70-80 kmph gusting to 90 kmph likely to prevail over westcentral & adjoining northwest Bay of Bengal from today evening and gradually increase becoming 90-100 kmph gusting to 110 kmph over northwest & adjoining west-central Bay of Bengal from the evening of 4th December for the subsequent 12 hours.

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 today, the 3rd December and increase gradually becoming 80-90 kmph gusting to 100 kmph from 4th evening, for the subsequent 12 hours.

For district-wise wind warning please see attached warning maps

Sea conditions

OROLOGIC Sea condition will be rough to very rough over westcentral and adjoining southeast & Eastcentral Bay of Bengal during next 6 hours. Sea condition would be High over central Bay of Bengal from the afternoon of today, the 3rd December for subsequent 12 hours 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.

Fishermen Warning:

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

Port warning:

Replace Distant Cautionary Signal No.1(DC-1) by Local Cautionary Signal No.3 (LC-3) at Gopalpur and Puri ports of Odisha and Keep Hoisted Distance Cautionary Signal No.1 at Paradeep and Dhamara ports of Odisha.

भारतसरकार पृथ्वीविज्ञानमंत्रालय भारतमौसमविज्ञानविभाग मौसमविज्ञानकेंद्र भुवनेश्वर, ओडिशा-751020

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Expected impact and action suggested:

Gajapati, Puri, Khordha, Jagatsinghpur, Cuttacki) Major damage to thatched houses huts. ii) Breaking of tree branches, uprooting of trees. iii)Minor damage to power and communication lines. iv)Localized Flooding of roads inundation and water logging in low lying areas and closure of underpased mainly in urban areas of the affected region. v)Occasional reduction in visibility due to heavy rainfall. v)Disruption of traffic in major cities due to water logging in roads leading to harvest ther opps composited travel time. will Minor Damage to Kutcha roads and vulnerable structure and wall collased in hilly areas ix) Damage to horticulture and standing crops in some areas due to in some areas	Districts	Expected Impact	Action suggested
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Advisory to along & off shore Installations

The off-shore & alongshore operations along Odisha coast(Viz., All ports of Odisha,ITRChandipur, Army Defence College, Gopalpur, INS Chilika, Chilika Development Authority establishment, ICZMP activity, Bhitarkanika wildlife sanctuary, Kendrapada, ONGC Odishaetc) 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%

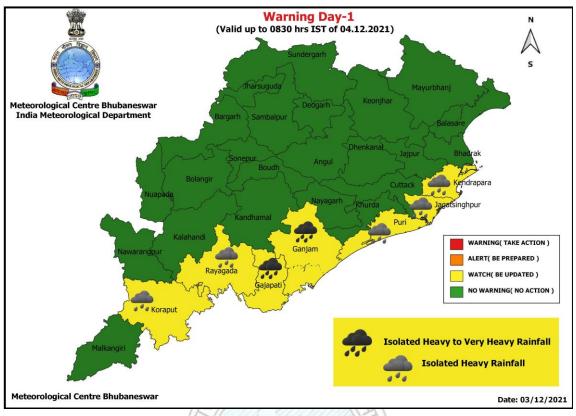
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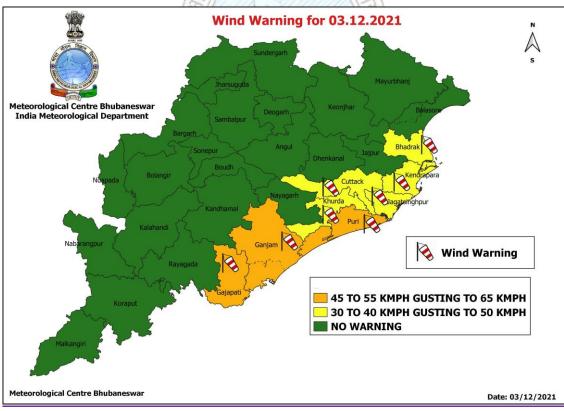
GOVERNMENT OF INDIA MINISTRY OF EARTH SCIENCES INDIA METEOROLOGICAL DEPARTMENT METEOROLOGICAL CENTRE

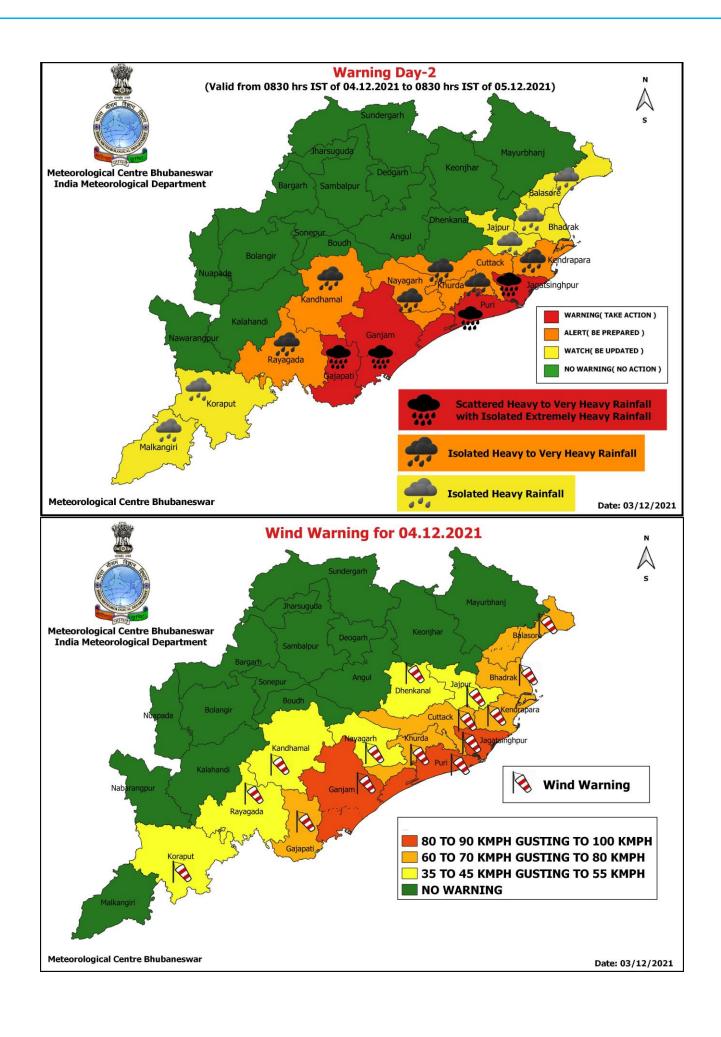
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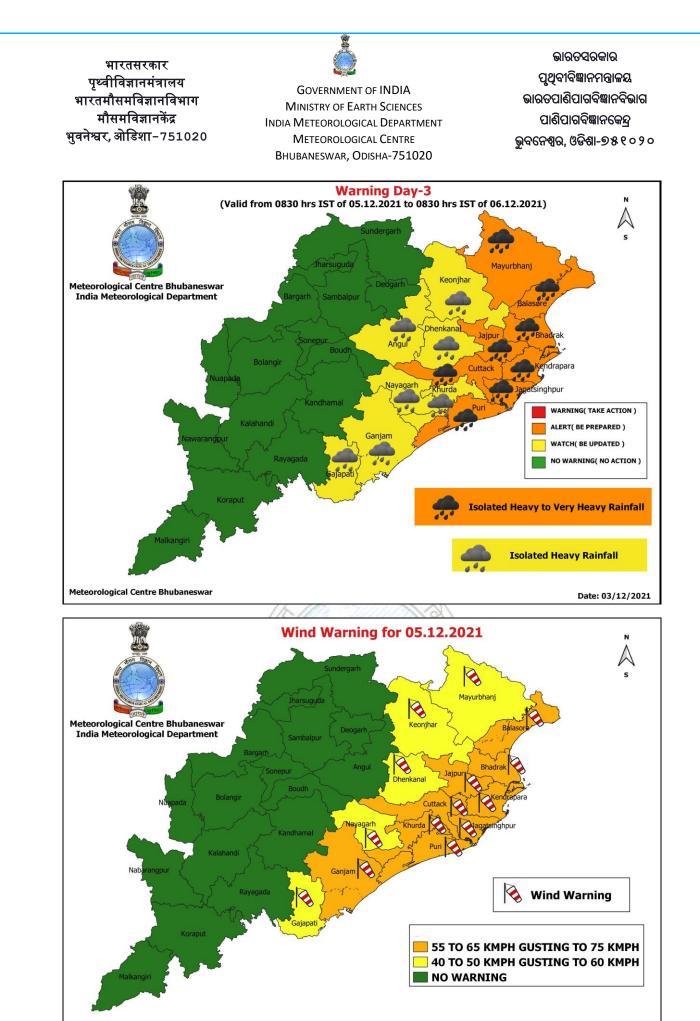
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Rainfall & Wind Warning Maps for Day-1 to Day-3









Meteorological Centre Bhubaneswar

Date: 03/12/2021

