



MESSAGE

**FROM: ESSO-INDIAN NATIONAL CENTRE FOR OCEAN INFORMATION SERVICES
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INCOIS-IMD JOINT BULLETIN

To: Senior MET Officer, Eastern Naval Command, Indian Navy
Commandant, Indian Coast Guard, East Region
Commandant, Indian Coast Guard, North East Region
Commandant, Indian Coast Guard, A & N Region
Ports in AP, Odisha & West Bengal
Chief Secretary, Odisha
Chief Secretary, West Bengal
Chief Secretary, Andaman & Nicobar
Chief Secretary, Government of AP
State Disaster Management Authority, Odisha
State Disaster Management Authority, Andhra Pradesh
Basanti Devi College (INCOIS Project), Kolkata
IKSL- Odisha, Andhra Pradesh and West Bengal
Andhra University (INCOIS Project), Visakhapatnam
Chief Secretary, Government of Kerala
KSDMA, Thiruvananthapuram
Administrator, UT of Lakshadweep
Commandant, Indian Coast Guard, Southern Region
DNOM, Indian Navy
Reliance Foundation, Mumbai
MSSRF, Chennai
PMSSS, Puducherry
Administrator, UT Puducherry
Kamaraj College, Tuticorin
Ports in Tamil Nadu, Kerala and Lakshadweep
Ports in Karnataka, Goa, Maharashtra and Gujarat
Chief Secretary, Government of Tamil Nadu
Chief Secretary, Government of Karnataka
Chief Secretary, Government of Goa
Chief Secretary, Government of Gujarat
Chief Secretary, Government of Maharashtra
Shipping Corporation of India.
T.V. & Radio channels and newspapers of relevant states/UT
KUFOS, Kochi

Time of issue: 12:00 hours IST Dated: 09.10.2018, Bulletin No.: INCOIS/09/10/2018/2

Sub: (a) Deep Depression over westcentral Bay of Bengal: Cyclone Alert for Odisha & north Andhra Pradesh coasts (b) Cyclonic Storm, 'LUBAN' over westcentral & adjoining southwest Arabian Sea

(a) Deep Depression over westcentral Bay of Bengal: Cyclone Alert for Odisha & north Andhra Pradesh coasts

The deep depression over westcentral Bay of Bengal remained practically stationary and lay centered at 0830 hrs IST, 9th October 2018 over same area near latitude 14.7°N and longitude 87.1°E, about 560 km southeast of Gopalpur (Odisha) and 510 km southeast of Kalingapatnam (Andhra Pradesh). It is very likely to intensify into a Cyclonic Storm during next 24 hours. It is very likely to move west-northwestwards for some more time and then northwestwards and cross Odisha & adjoining north Andhra Pradesh coasts between Gopalpur & Kalingapatnam around morning of 11th October. It is very likely to re-curve northeastwards, move towards Gangetic West Bengal across coastal Odisha and weaken gradually.

High Wave/Ocean State warning/alert for Andaman & Nicobar, Odisha, North Andhra Pradesh and West Bengal

North Andhra Pradesh (Coastal) : Waves with maximum heights in the range of 3.0 – 4.5 meters are forecasted during 12:30 hours on 09-10-2018 to 23:30 hours of 10-10-2018. Surface Current speeds vary between 80 - 170 cm/sec.

Odisha (Coastal): Waves with maximum heights in the range of 3.0 – 4.0 meters are forecasted during 12:30 hours on 09-10-2018 to 23:30 hours of 10-10-2018. Surface Current speeds vary between 80 - 160 cm/sec.

West Bengal (Offshore): High Ocean State associated with the depression in the open ocean (off West Bengal): Waves with maximum heights in the range of 3.0 - 3.5 meters (approximately 500 Km away from the coast) are forecasted during 12:30 hours on 09-10-2018 to 23:30 hours of 10-10-2018. Surface Current speeds vary between 70 - 180 cm/sec.

Andaman (Coastal): High waves in the range of 3.0 - 3.2 meters are forecasted during 12:30 hours on 09-10-2018 to 23:30 hours of 09-10-2018 along the west coast of Andaman Islands from Ten Degree Channel to Coco Channel. Surface Current speeds vary between 77 - 103 cm/sec.

Nicobar (Coastal): High swell waves in the range of 2.5 - 2.7 meters are forecasted during 12:30 hours on 09-10-2018 to 23:30 hours of 09-10-2018 along the west coast of Nicobar Islands from Ten Degree Channel to Great Channel. Surface Current speeds vary between 41 - 69 cm/sec.

Warnings

Fishermen Warning: Total suspension of fishing operations. The fishermen are advised not to venture into deep sea areas of central Bay of Bengal during 9th to 10th October 2018 and north Bay of Bengal during 9th to 11th October 2018 and into north Andaman Sea during next 12 hours. Those, who are out in deep sea areas are advised return to the coast.

Wind warning: Squally wind speed reaching 40-50 kmph gusting to 60 kmph very likely over north Andaman Sea, southeast & adjoining eastcentral Bay of Bengal and Andaman Islands during next 24 hours. Squally wind speed reaching 55-65 kmph gusting to 75 kmph likely over deep sea areas of central & adjoining north Bay of Bengal during 09th and gradually increase to 80-90 kmph gusting to 100 kmph from 10th evening to 11th forenoon. Squally wind speed reaching 45-55 kmph gusting to 65 kmph is very likely to commence along & off along north Andhra Pradesh, Odisha and West Bengal coast from today, the 9th October night. It is very likely

to increase gradually becoming 80-90 kmph gusting to 100 kmph from 10th October 2018 evening onwards along & off south Odisha & adjoining districts of north Andhra Pradesh coasts and 55-65 kmph gusting to 75 kmph along & off north Odisha, west Bengal and remaining districts of north Andhra Pradesh coasts.

Storm Surge Warning: Storm surge of height of about 0.5 m above astronomical tide is very likely inundate low lying areas of Srikakulam district of Andhra Pradesh; Ganjam, Khurda & Puri districts of Odisha at the time of landfall.

Damage Expected over districts of Visakhapatnam, Vizianagaram and Srikakulam of Andhra Pradesh, Gajapati, Ganjam, Khurda, Nayagarh and Puri districts of Odisha:

Damage to thatched huts; Minor damage to power and communication lines due to breaking of branches and Major damage to Kutcha and minor damage to Pucca roads. Some damage to paddy crops, banana, papaya trees and orchards. Sea water inundation in low lying areas after erosion of Kutcha embankments.

Heavy rainfall warnings:

Region	09 Oct. 2018*	10 Oct. 2018*	11 Oct. 2018*	12 Oct. 2018*
Odisha	Rainfall at many places with heavy falls at Isolated Places over south coastal Odisha from evening/night.	Rainfall at most places with heavy to very heavy falls at a few places and extremely heavy falls at Isolated Places over coastal Odisha.	Rainfall at most places with heavy to very heavy falls at a few places and extremely heavy falls at Isolated Places over coastal & adjoining interior Odisha.	Rainfall at many places with heavy falls at Isolated Places over north Odisha.
North Coastal Andhra Pradesh	Rainfall at a few places with heavy falls at isolated places from evening/night.	Rainfall at many places with heavy falls at Isolated Places.	Rainfall at many places with heavy falls at Isolated Places.	Nil
Gangetic West Bengal	Nil	Rainfall at many places with heavy to very heavy falls at Isolated Places over coastal West Bengal	Rainfall at most places with heavy to very heavy falls at Isolated Places	Rainfall at many places with heavy to very heavy falls at Isolated Places
Assam & Meghalaya	NIL	NIL	Rainfall at most places with heavy falls at isolated places	Rainfall at most places with heavy to very heavy falls at isolated places
Mizoram & Tripura	Rainfall at most places with heavy falls at isolated places	Rainfall at most places with heavy falls at isolated places	Rainfall at most places with heavy to very heavy falls at isolated Places	Rainfall at most places with heavy to very heavy falls at isolated places

Note: * Rainfall till 0830 IST of next day.

Legends: **Red-Take Action; Orange- Be prepared; Yellow- be updated; Green: No warning**

Heavy rain: 64.5-115.5 mm/day; Very heavy rain: 115.6-204.4 mm/day; Extremely heavy rain: more than 204.4 mm/day

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.

(b) Cyclonic Storm, ‘LUBAN’ over westcentral & adjoining southwest Arabian Sea:

The Cyclonic Storm over westcentral & adjoining southwest Arabian Sea remained practically stationary and lay centered at 0830 hrs IST 09th October 2018 over westcentral & adjoining southwest Arabian Sea, near latitude 12.9°N and longitude 60.2°E, about 800 km east-southeast of Salalah (Oman), 680 km east of Socotra Islands (Yemen) and 940 km east-southeast of Al-Ghaidah

(Yemen). It is very likely to intensify into a Severe Cyclonic Storm during next 12 hours. It is very likely to move west-northwestwards towards Yemen & South Oman Coasts during next 5 days.

Warning

Wind warning: Gale wind speed reaching 80-90 kmph gusting to 100 kmph is prevailing over westcentral & adjoining southwest Arabian Sea. It is very likely to increase gradually becoming 110-120 kmph gusting to 135 kmph during 10th to 12th October 2018 over westcentral Arabian Sea around the system centre. The wind speed is very likely to decrease gradually over southwest Arabian Sea during next 24 hours. Squally wind speed reaching 40-50 kmph gusting to 60 kmph is very likely over adjoining areas of southeast and eastcentral Arabian Sea during next 12 hrs.

Fishermen Warning: The fishermen are advised not to venture into deep sea areas of westcentral Arabian Sea & Gulf of Aden till 13th October, adjoining southwest Arabian Sea till 10th October.

**Marine Forecaster
Ocean State Forecast Team
Information Services and Ocean Sciences Group**

For Specific Ocean State forecast for Shipping visit <http://115.113.76.77/shipforecast/shipforecast.html>

Port and Harbours visit (<http://115.113.76.77/OSF>).

For location specific forecast data for any part of Arabian Sea/ Bay of Bengal, visit

([http://115.113.76.77/webmapservice/Indian Ocean Forecast.html](http://115.113.76.77/webmapservice/Indian_Ocean_Forecast.html))

For complete details visit (<http://www.incois.gov.in/portal/osf/osf.jsp>)