



**India Meteorological Department
(Ministry of Earth Sciences)**

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Sub: Deep Depression over north interior Odisha

The Deep Depression over north Odisha moved further west-northwestwards during past 6 hours with a speed of 12 kmph and lay centred at 2330 hrs IST of 13th September, 2021, over north interior Odisha, near latitude 21.6°N and longitude 84.8°E, about 80 km southeast of Jharsiguda and about 85 km east of Sambalpur (Odisha).

It is very likely to continue to move west-northwestwards across north Chhattisgarh & Madhya Pradesh during next 48 hours. It is very likely to weaken into a Depression during the next 06 hours.

Warnings:

(i) Rainfall

- Light to moderate rainfall at most places: with heavy to very heavy rainfall at a few places & extremely heavy falls at isolated places very likely over Odisha & Saurashtra and heavy to very heavy rainfall & extremely heavy falls at isolated places very likely over Chhattisgarh, South Gujarat region and north Konkan (Palghar District) during next 12 hours and heavy to very heavy rainfall at isolated places likely north Konkan, north Madhya Maharashtra, Gujarat State & Madhya Pradesh and heavy rainfall at isolated places over Marathawada, Vidharbha, East Rajasthan, Odisha and Chhattisgarh during subsequent 24 hours.

- Light to moderate rainfall at many places: with isolated heavy to very heavy with extremely heavy falls very likely over Gujarat State & West Madhya Pradesh; very heavy rainfall at isolated places over East Madhya Pradesh & East Rajasthan and heavy rainfall at isolated places over north Konkan on 15th September.

(ii) Wind warning

- Squally weather with wind speed reaching 40 -50 kmph gusting to 60 kmph very likely over north & adjoining westcentral Bay of Bengal and along & off Odisha, West Bengal and North Andhra Pradesh coasts during next 06 hours and decrease gradually thereafter.

(iii) Sea condition

- Sea condition will be rough to very rough over north & adjoining westcentral Bay of Bengal and along & off Odisha, West Bengal & North Andhra Pradesh coasts during next 06 hours.

(iv) Fishermen Warning

- The fishermen are advised not to venture into north & adjoining westcentral Bay of Bengal and along & off Odisha, West Bengal & North Andhra Pradesh coasts during next 06 hours.

- (v) EXPECTED IMPACT & ACTION SUGGESTED: Due to very Heavy/Extremely heavy Rainfall** over Odisha, Gujarat state and Chhattisgarh during next 12 hours and north Konkan, Madhya Maharashtra on 14th and Madhya Pradesh & Gujarat state during 14th-15th September 2021.

A. Impact Expected

- Localized Flooding of roads, inundation and 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 due to water logging in roads leading to increased travel time.
- Minor damage to kutch roads. Possibilities of damage to vulnerable structure.
- Localized Landslides/Mudslides
- Damage to horticulture and standing crops in some areas due to inundation and strong winds.
- It may lead to riverine flooding in some river catchments (for riverine flooding please visit Web page of Central Water Commission)

B. Action Suggested

- 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.
- Follow IMD warnings for updates

The next bulletin will be issued at 0830 hrs IST of 14th September, 2021.

(Surendra Pratap Singh)
Scientist-C, RSMC, New Delhi

Copy to: ACWC Kolkata/ Chennai/Mumbai CWC Bhubaneswar/CWC Visakhapatnam/CWC Ahmedabad/ MC Ranchi/MC Hyderabad/MC Raipur/MC Goa/MC Bhopal

LEGEND: Heavy Rainfall: 64.5 to 115.5mm, **Very Heavy Rainfall:** 115.6 to 204.4mm, **Extremely Heavy Rainfall:** 204.5mm or more. **Many Places:** 51% to 75% of the stations, **Most Places:** more than 76% of total stations, **Isolated Places:** Less than 25% of total stations

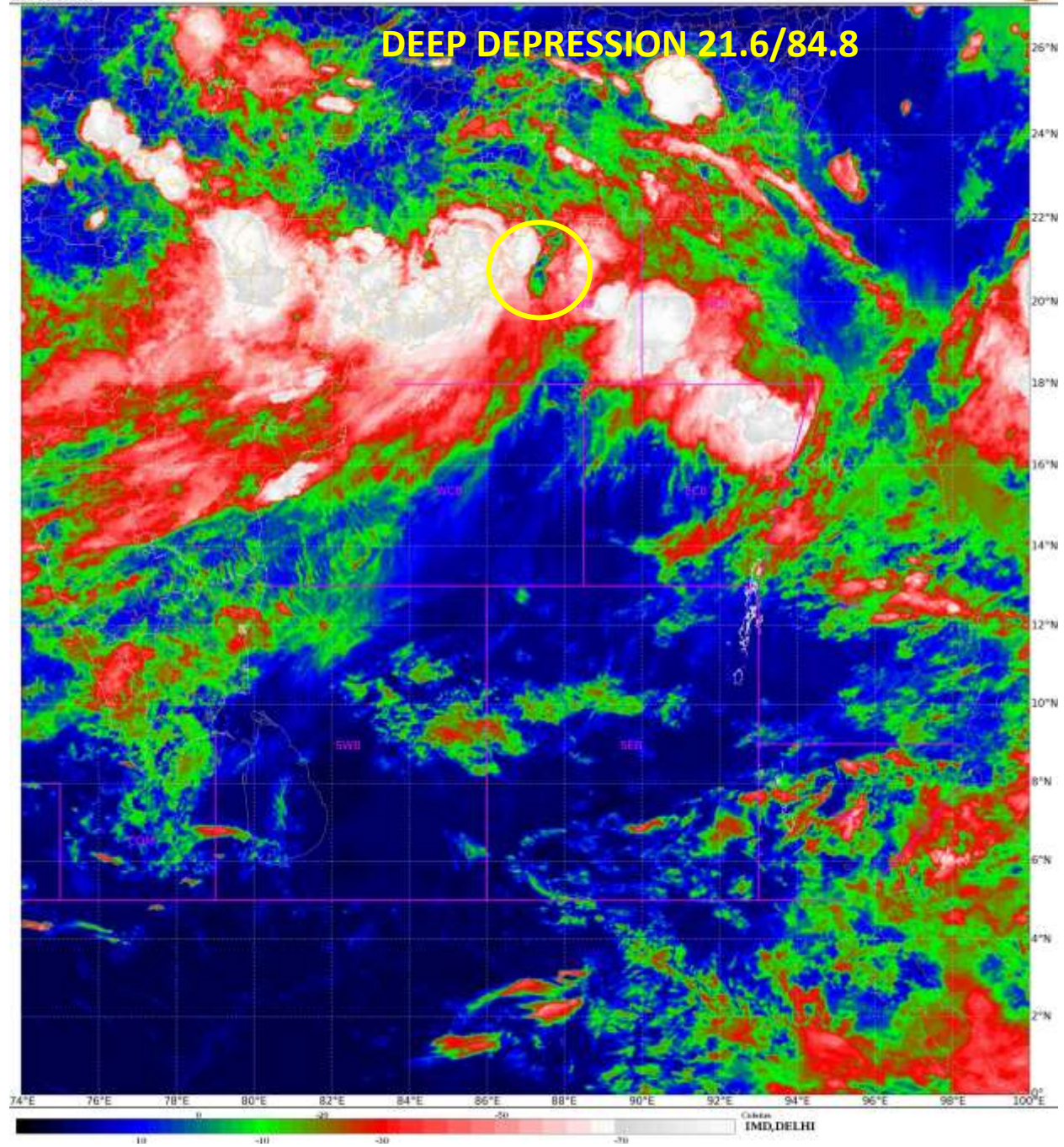


OBSERVED AND FORECAST TRACK OF DEEP DEPRESSION OVER NORTH ODISHA BASED ON 1800 UTC OF 13TH SEPTEMBER, 2021

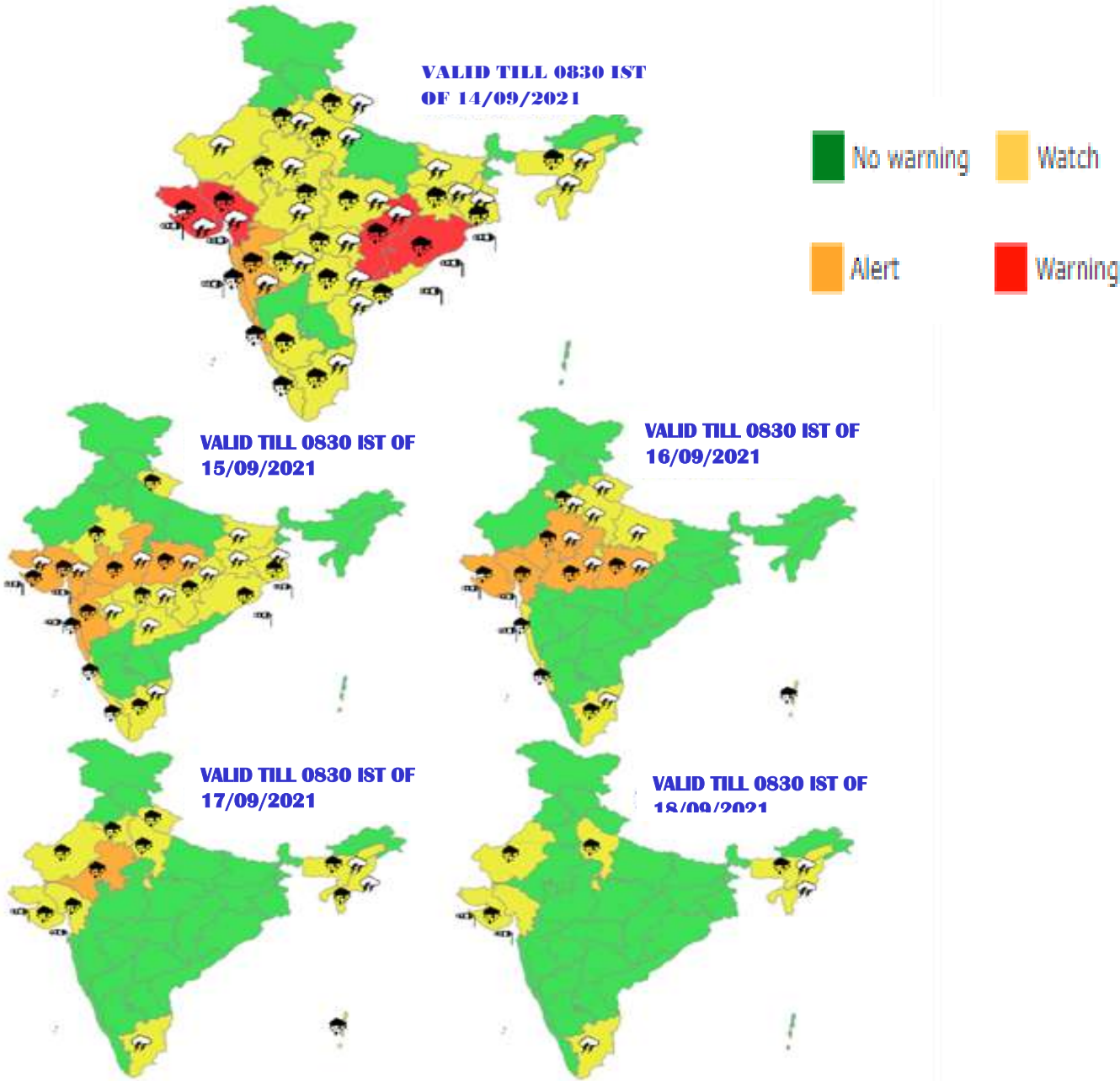


DATE/TIME IN UTC
IST=UTC + 0530
L: LOW PRESSURE AREA
WML: WELL MARKED LOW PRESSURE AREA
D: DEPRESSION (17-27 KT)
DD: DEEP DEPRESSION (28-33 KT)
CS: CYCLONIC STORM (34-47 KT)
SCS: SEVERE CYCLONIC STORM (48-63KT)
VSCS: VERY SEVERE CYCLONIC STORM (64-89 KT)
ESCS: EXTREMELY SEVERE CYCLONIC STORM (90-119 KT)
SuCS: SUPER CYCLONIC STORM (≥ 120 KT)

- LESS THAN 34 KT
- ⊖ 34-47 KT
- ⊖ ≥ 48 KT
- OBSERVED TRACK
- FORECAST TRACK
- ▲ CONE OF UNCERTAINTY



Meteorological Sub-division level heavy rainfall warning



District level level heavy rainfall warning

