



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

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TIME OF ISSUE: 0830 HOURS IST

DATED: 13.09.2021

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Sub: Depression intensified into a Deep Depression over northwest Bay of Bengal and adjoining Odisha coast

The Depression over northwest Bay of Bengal & adjoining Odisha coast moved west-northwestwards during past 6 hours with a speed of 5 kmph, intensified into a **Deep Depression** and lay centred at 0530 hrs IST of today, the 13th September, 2021, over northwest Bay of Bengal, very close to north Odisha coast, near latitude 20.5°N and longitude 86.9°E, close to southeast of Chandbali (Odisha).

Latest coastal observations indicate that it further moved west-northwestwards and crossed north Odisha coast, close to south of Chandbali between 0530 & 0630 hrs IST as a Deep Depression with maximum sustained wind speed of 30 knots and lay centred at 0630 hrs IST over north coastal Odisha, very close to Chandbali. It is very likely to continue to move west-northwestwards across north Odisha, north Chhattisgarh & Madhya Pradesh during next 48 hours. It is very likely to weaken into a Depression during the next 24 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 and Chhattisgarh on 13th September.

- Light to moderate rainfall at many places with isolated heavy to very heavy falls very likely over north coastal Andhra Pradesh, Gangetic West Bengal, Jharkhand and Telangana on 13th, over Madhya Pradesh on 13th & 14th September.
- Light to moderate rainfall at most places with heavy to very heavy falls at isolated places also very likely over south Gujarat, north Konkan, north interior Maharashtra (including Vidarbha) on 13th & 14th Sept.

(ii) Wind warning

- Squally wind speed reaching 50-60 kmph to gusting 70 kmph very likely over north & adjoining westcentral Bay of Bengal and along & off Odisha, West Bengal and North Andhra Pradesh coasts during next 12 hours and decrease gradually becoming 40 -50 kmph gusting to 60 kmph during the subsequent 12 hours.

(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 12 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 12 hours.

(v) EXPECTED IMPACT & ACTION SUGGESTED Due to very Heavy/Extremely heavy Rainfall over Odisha & Chhattisgarh on 13th, Madhya Pradesh on 13th & 14th, north Konkan, Madhya Maharashtra and Vidarbha during 13th-14th 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 kutcha 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 1130 hrs IST of 13thSeptember, 2021.

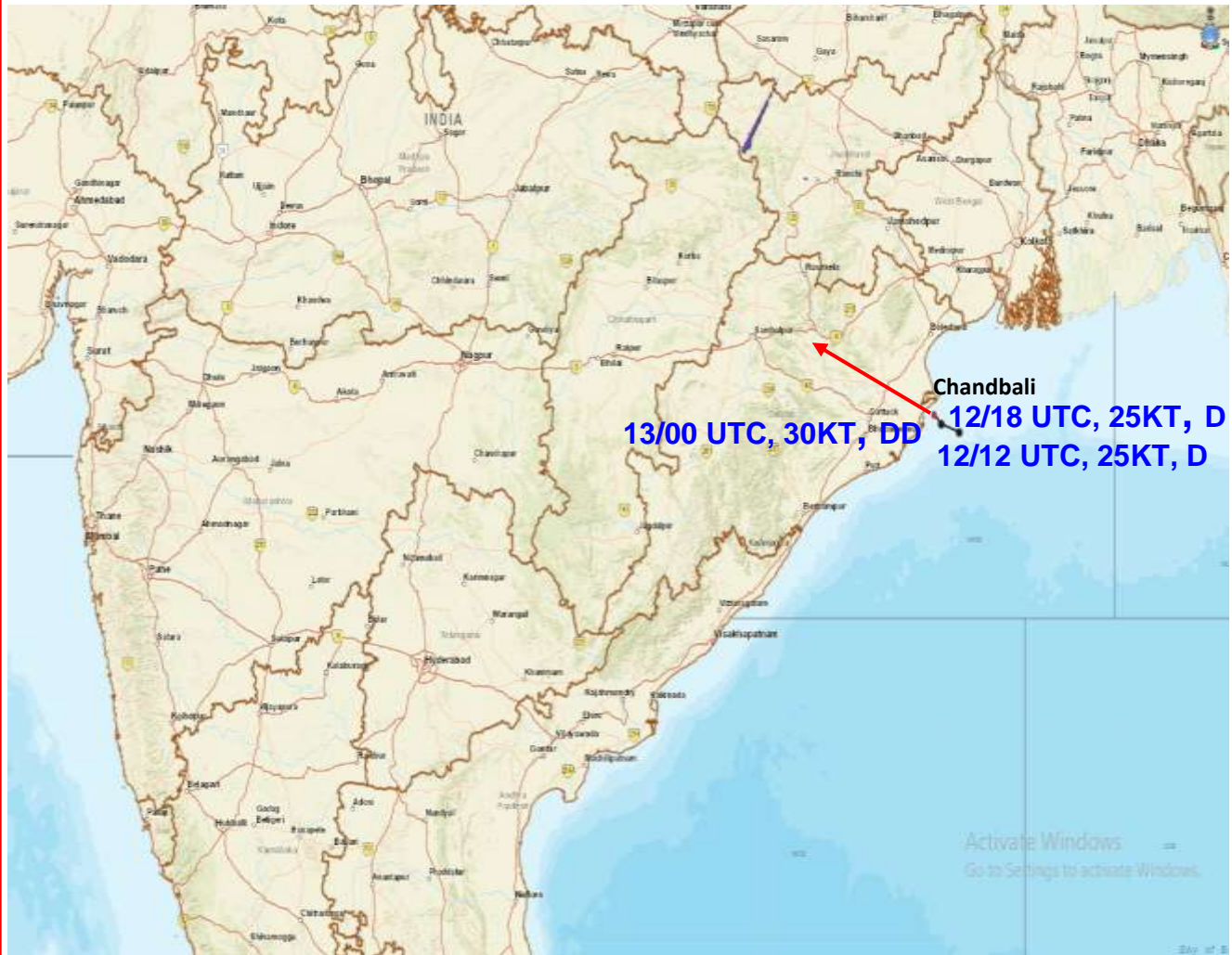
(Sunitha Devi)
Scientist-F, RSMC, New Delhi

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

<p>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</p>



OBSERVED AND FORECAST TRACK OF DEEP DEPRESSION OVER NORTHWEST BAY OF BENGAL AND ODISHA COAST BASED ON 0000 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

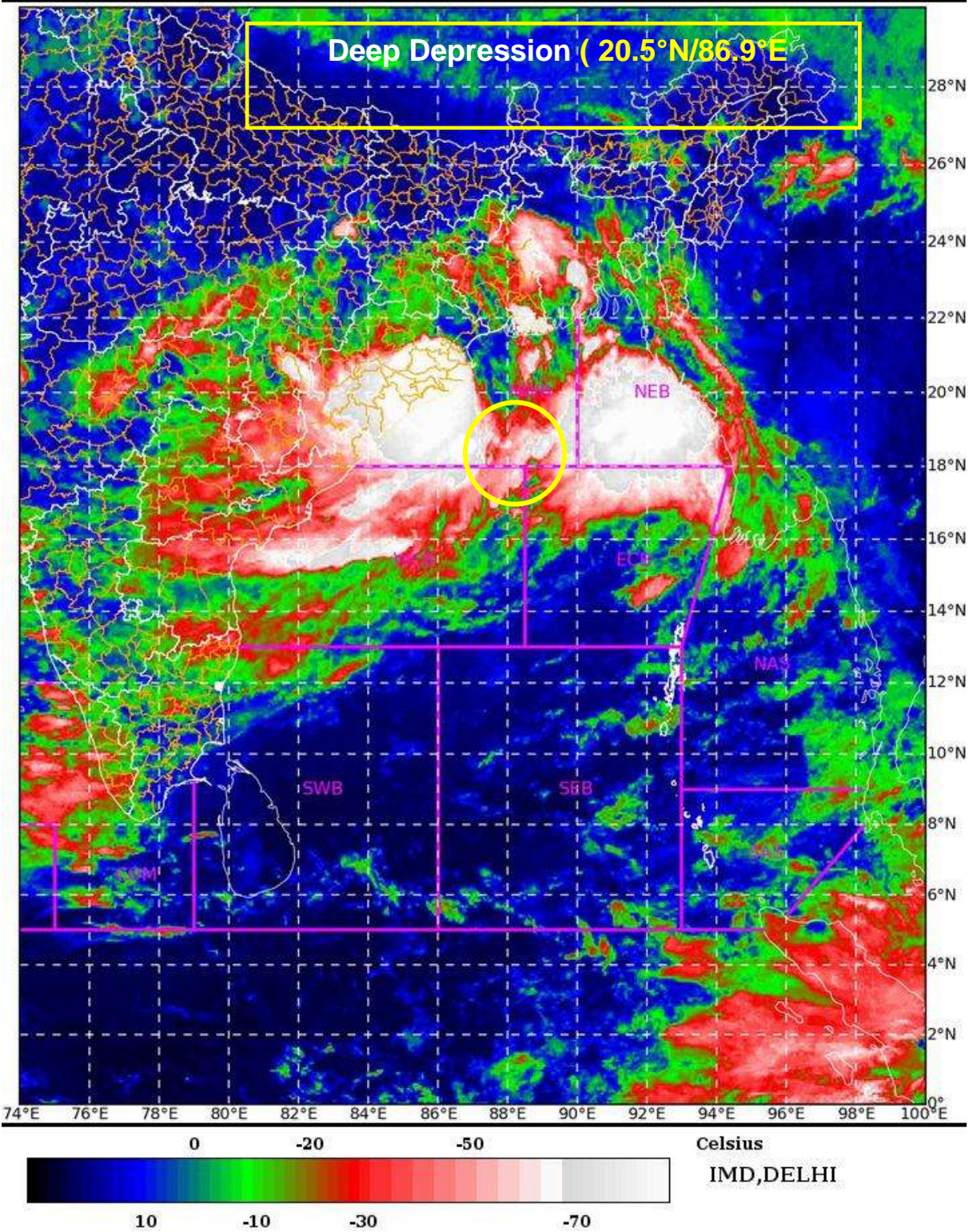
■ FORECAST TRACK

▲ CONE OF UNCERTAINTY

SAT : INSAT-3D IMG 13-09-2021/(0200 to 0226) GMT

IMG_TIR1_TEMP 10.8 um 13-09-2021/(0730 to 0756) IST

L1C Mercator



Meteorological Sub-division level heavy rainfall warning

