



India Meteorological Department

(Ministry of Earth Sciences)

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Sub: Depression over Odisha coast

The depression over Northwest and adjoining Westcentral Bay of Bengal off Odisha and adjoining north Andhra Pradesh coasts moved nearly west-northwestwards with a speed of 3 kmph during past 6 hours and lay centered at 0530 hours IST of today, the 20th July, 2024 over Odisha coast near Chilika Lake at latitude 19.6°N and longitude 85.4°E, about 40 km south-southwest of Puri (Odisha) and 70 km East-Northeast of Gopalpur (Odisha).

It is likely to move further west-northwestwards across Odisha & Chhattisgarh and weaken gradually during next 24 hours.

Warnings:

(i) Rainfall warning

Odisha:

- ❖ **South Odisha:** Light to moderate rainfall at most places with heavy to very heavy rainfall at a few places is very likely over South Odisha on 20th July
- ❖ **North Odisha:** Light to moderate rainfall is very likely at most places with heavy to very heavy rainfall at isolated places on 20th July.

Gangetic West Bengal: Light to moderate rainfall is very likely at most places on 20th July.

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.

Andhra Pradesh:

- ❖ **North Coastal Andhra Pradesh:** Light to moderate rainfall at most places with heavy to very heavy rainfall at a few places is most likely on 20th July
- ❖ **South Coastal Andhra Pradesh:** Light to moderate rainfall at most places with heavy rainfall at isolated places is likely over South Coastal Andhra Pradesh on 20th July.

Jharkhand: Light to moderate rainfall at most places with heavy rainfall at isolated places is very likely on 20th July.

Chattisgarh: Light to moderate rainfall at most places with heavy to very heavy rainfall at isolated places is very likely on 20th July.

Telangana & Vidarbha: Light to moderate rainfall at most places with heavy to extremely heavy rainfall at isolated places is very likely on 20th July.

(ii) Wind warning

Squally weather with wind speed reaching 45-55 kmph gusting to 65 kmph is very likely to prevail over northwest and adjoining westcentral Bay of Bengal and along and off North Andhra Pradesh, Odisha, West Bengal & adjoining Bangladesh coasts on 20th July and would decrease gradually thereafter.

(iv) Sea Condition: Rough to very rough sea condition is very likely to prevail over northwest and adjoining westcentral Bay of Bengal and along and off North Andhra Pradesh, Odisha, West Bengal & adjoining Bangladesh coasts on 20th July and would improve gradually thereafter.

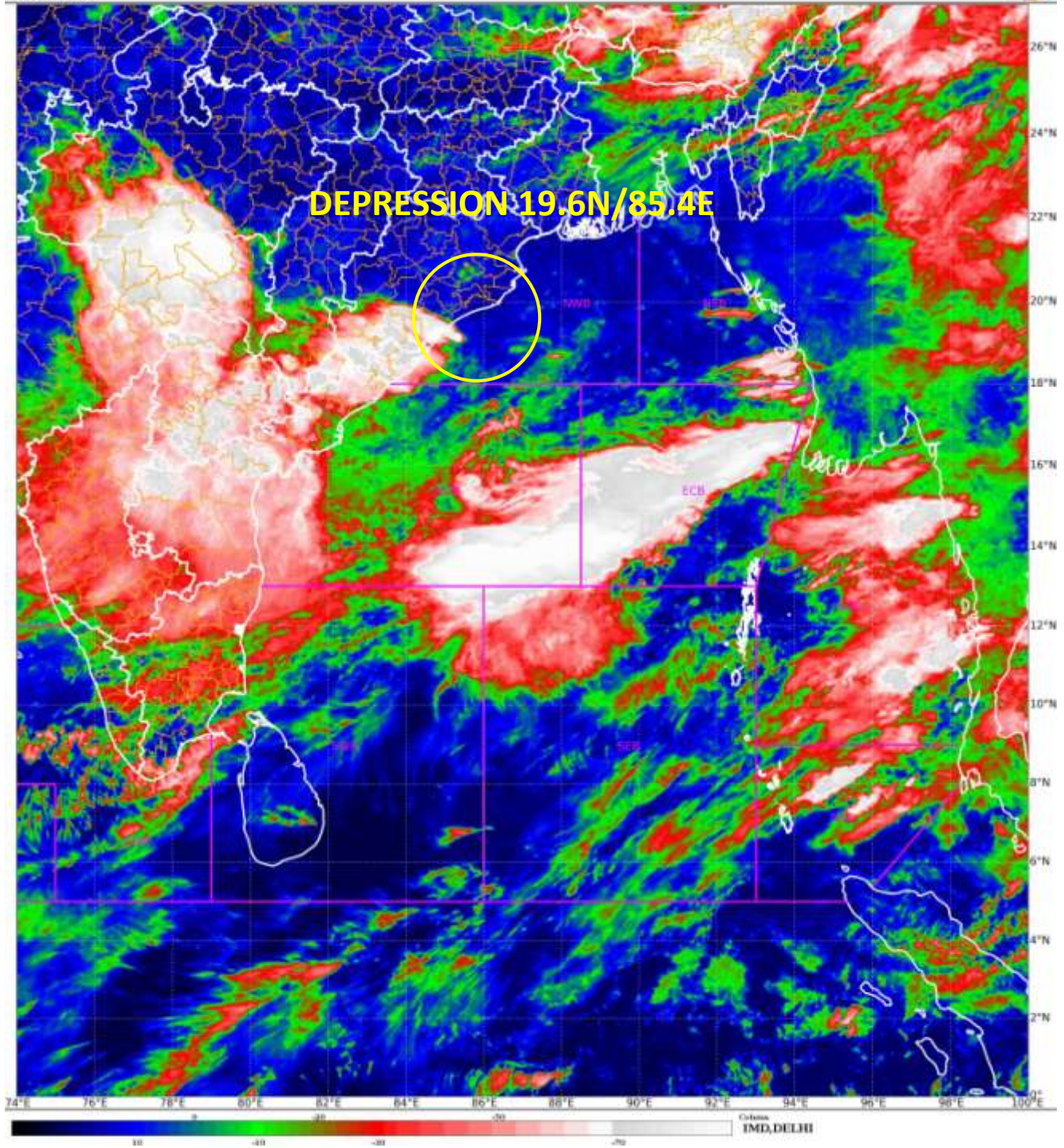
(v) Fishermen Warning

Fishermen are advised not to venture into northwest and adjoining westcentral Bay of Bengal and along & off North Andhra Pradesh, Odisha, West Bengal & adjoining Bangladesh coasts on 20th July.

The next bulletin will be issued at 1130hrs IST of today, 20th July, 2024.

(A.K. DAS)
Scientist-F, RSMC, New Delhi

*Copy to: CRS, Pune/ACWC Kolkata/Chennai/Mumbai/CWC Bhubaneswar/CWC
Visakhapatnam/CWC Ahmedabad/MC Hyderabad/MC Raipur/MC Amravati/MC Ranchi/RMC Nagpur*



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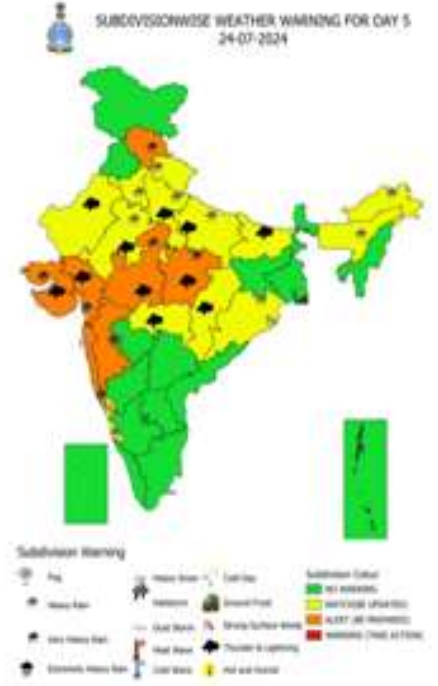
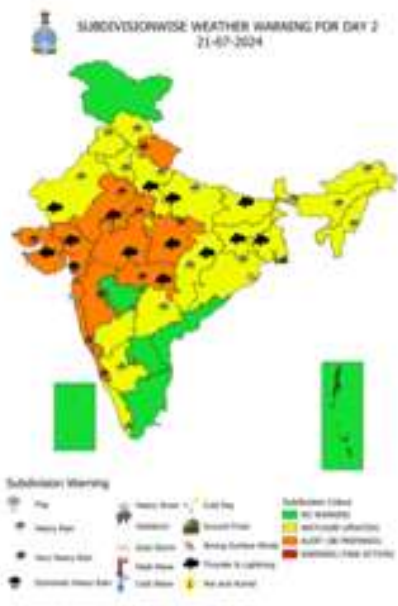
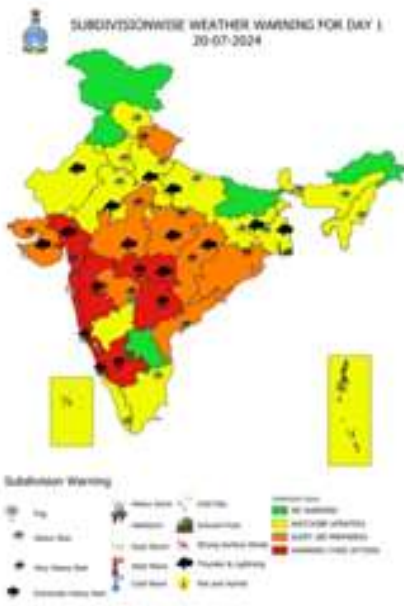
OBSERVED AND FORECAST TRACK OF DEPRESSION OVER ODISHA COAST BASED ON 0000 UTC OF 20TH JULY, 2024.



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 (\geq 120 KT)

- LESS THAN 34 KT
- 34-47 KT
- \geq 48 KT
- OBSERVED TRACK
- FORECAST TRACK
- CONE OF UNCERTAINTY

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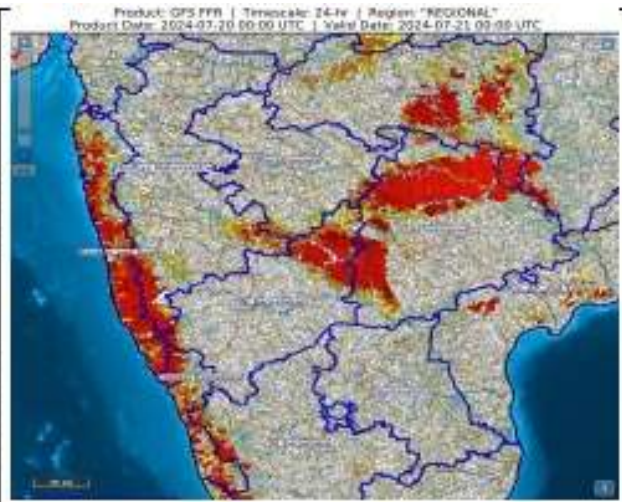
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24 hours Outlook for the Flash Flood Risk (FFR) till 0530 IST of 21-07-2024 :

Moderate flash flood risk likely over few watersheds & neighbourhoods of **Vidarbha, Telangana & adjoining Eastern parts of NI Karnataka and Coastal AP & Yanam Met** Sub-divisions during next 24 hours.

Low to Moderate flash flood risk likely over few watersheds & neighbourhoods of **Konkan & Goa, Coastal Karnataka & adjoining SI Karnataka Met** Sub-divisions during next 24 hours.

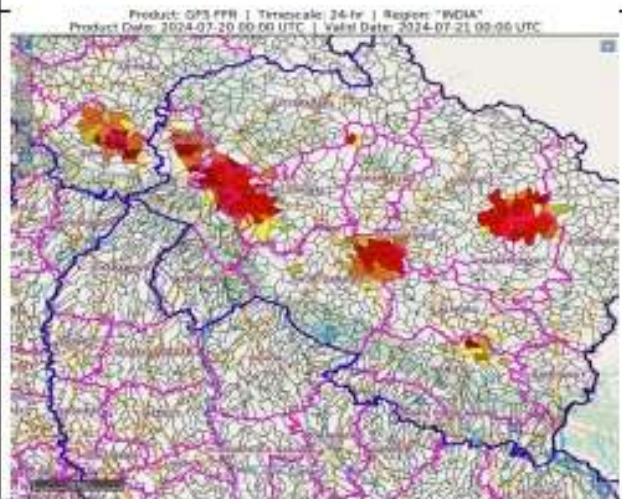
Surface runoff/ Inundation may occur at some fully saturated soils & low-lying areas over AoC as shown in map due to expected rainfall occurrence in next 24 hours.



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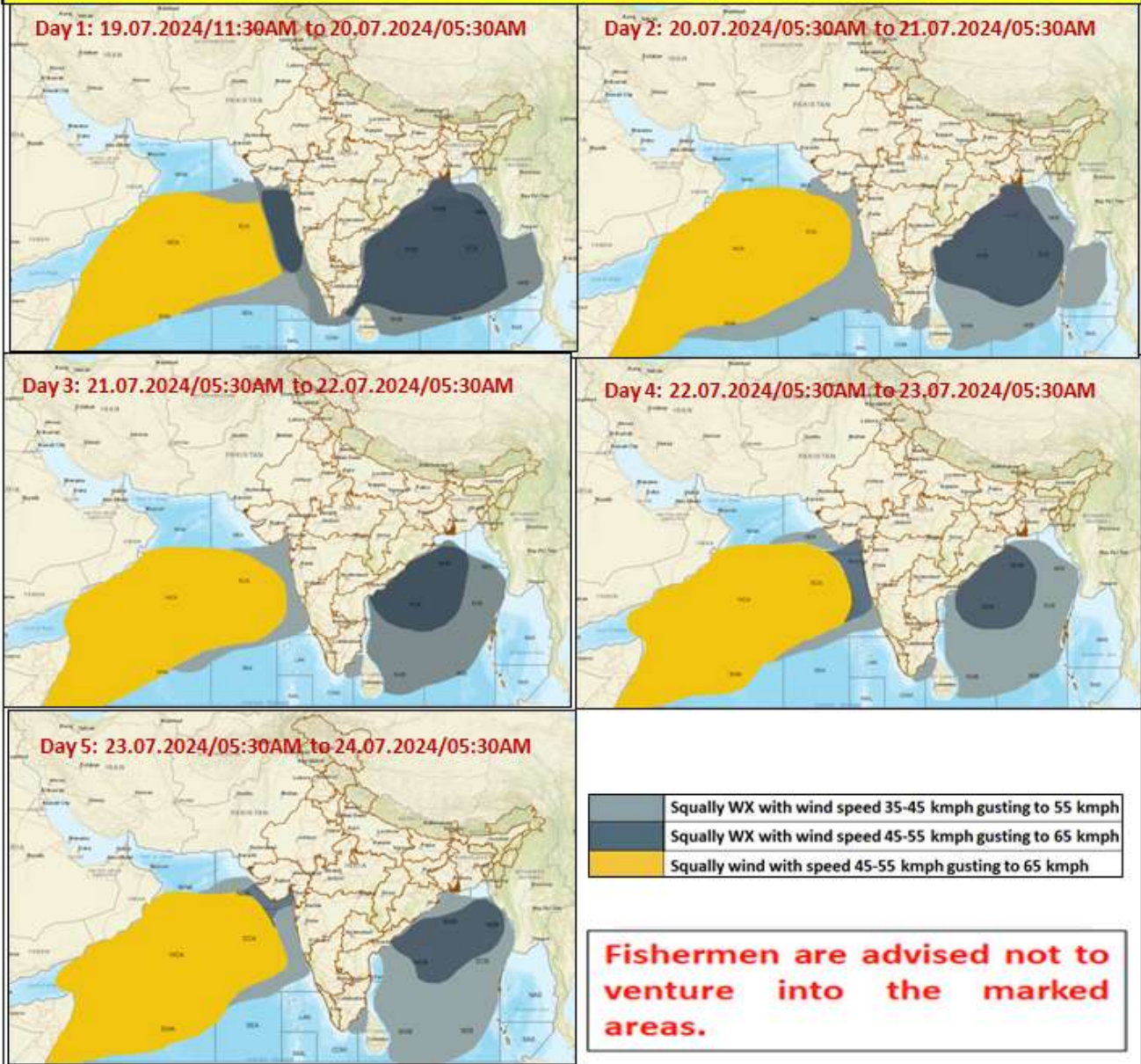
Low to Moderate flash flood risk likely over few watersheds & neighbourhoods of **Uttrakhand & adjoining parts of Himachal Pradesh Met** Sub-divisions during next 24 hours.

Surface runoff/ Inundation may occur at some fully saturated soils & low-lying areas over AoC as shown in map due to expected rainfall occurrence in next 24 hours.



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Fishermen Warning Graphics



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