



India Meteorological Department

(Ministry of Earth Sciences)

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DATED: 20.07.2024

FROM: INDIA METEOROLOGICAL DEPARTMENT (FAX NO. 24643965/24699216/24623220)

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Sub: Depression over Odisha coast

The depression over Odisha coast near Chilika Lake moved northwestwards with a speed of 3 kmph during past 6 hours and lay centered at 1130 hours IST of today, the 20th July, 2024 over the same region near latitude 19.7°N and longitude 85.4°E, about 50 km west-southwest of Puri (Odisha) and 70 km northeast of Gopalpur (Odisha).

It is likely to move further northwestwards across Odisha & Chhattisgarh and weaken gradually into a well marked low pressure area during next 12 hours.

Warnings:

(i) Rainfall warning

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

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 rainfall at isolated places on 20th July.

Chattisgarh:

- ❖ **South Chattisgarh:** Light to moderate rainfall at most places with heavy to extremely heavy rainfall at isolated places is very likely on 20th and isolated heavy to very heavy rainfall on 21st 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.

- ❖ North Chattisgarh: Light to moderate rainfall at most places with heavy to very heavy rainfall at isolated places is very likely on 20th and isolated heavy rainfall on 21st July.

Andhra Pradesh:

- ❖ **North Coastal Andhra Pradesh:** Light to moderate rainfall at most places with heavy to very heavy rainfall at isolated places is very likely on 20th July and heavy rainfall at isolated places is likely on 21st 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.

Vidarbha: Light to moderate rainfall at most places with heavy to very heavy rainfall at a few places on 20th & 21st July and extremely heavy rainfall at isolated places on 20th July.

Telangana: Light to moderate rainfall at most places with heavy to very heavy rainfall at isolated places is very likely on 20th July and heavy rainfall at isolated places is likely on 21st July.

(ii) Wind warning

Squally weather with wind speed reaching 40-50 kmph gusting to 60 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.

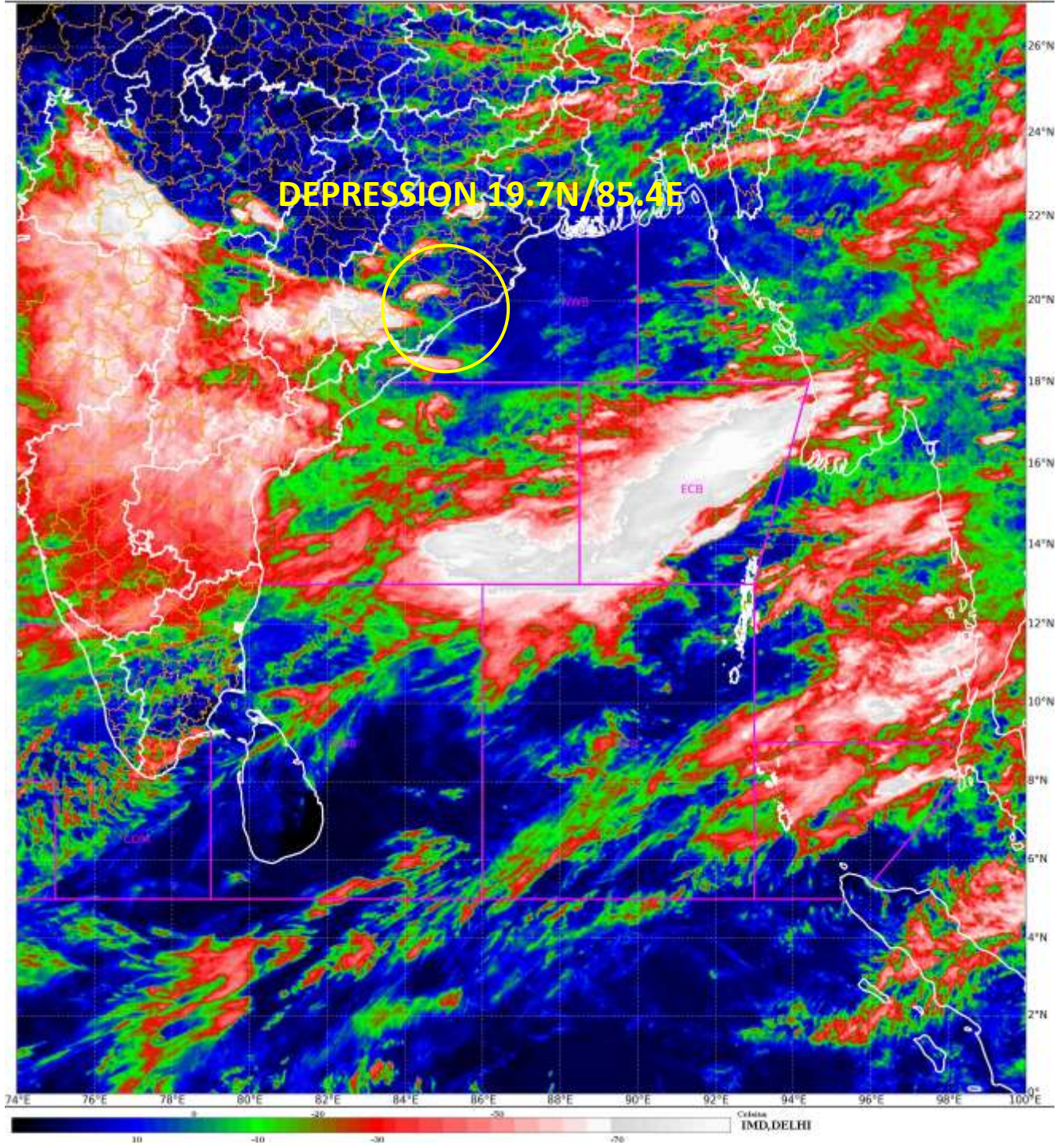
(v) Fishermen Warning

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 2030 hrs IST of today, 20th July, 2024.

**(Monica Sharma)
Scientist-D, 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 0600 UTC OF 20TH JULY, 2024.



DATE/TIME IN UTC

ISL=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 (40-53KT)

YSCS: 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 40 KT

— OBSERVED TRACK

— FORECAST TRACK

▲ CONE OF UNCERTAINTY

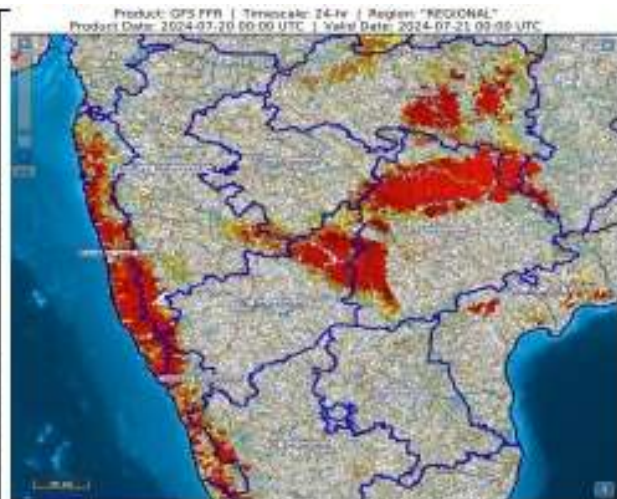
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24 hours Outlook for the Flash Flood Risk (FFR) till 0530 IST of 21-07-2024 :

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.

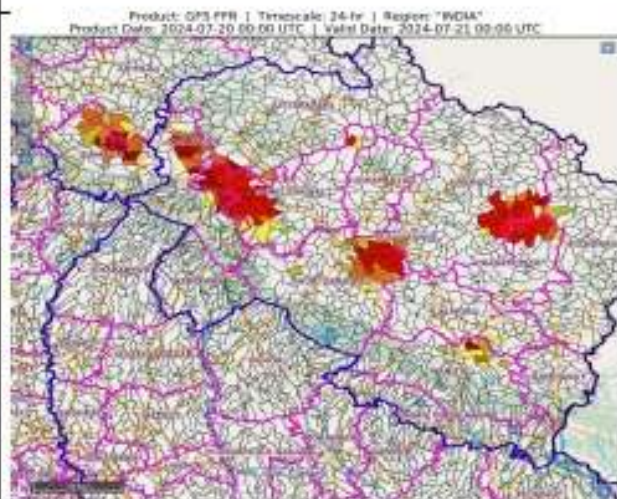
Surface runoff/ Inundation may occur at some fully saturated soils & low-lying areas over AoC as shown in map due to expected rainfall occurrence in next 24 hours.



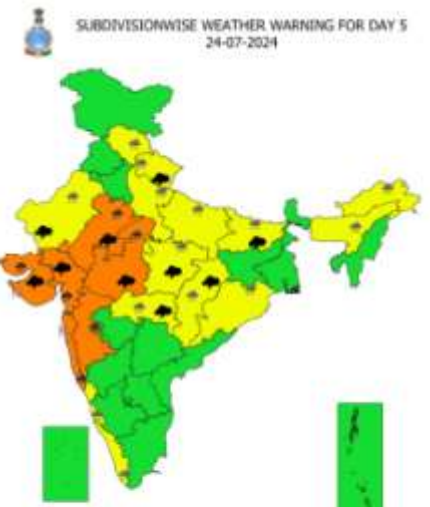
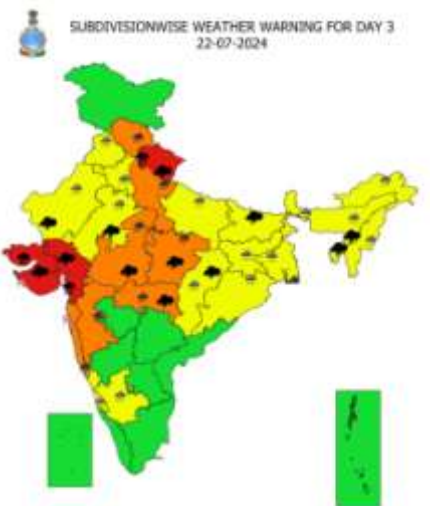
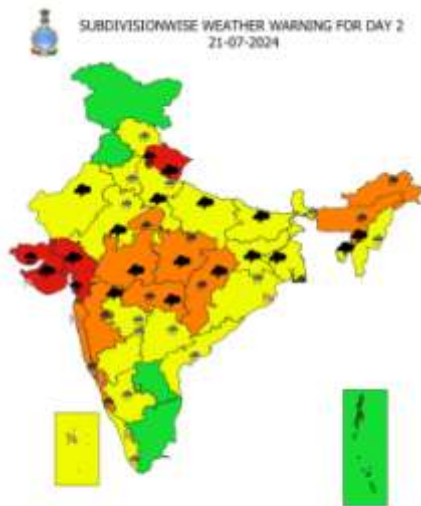
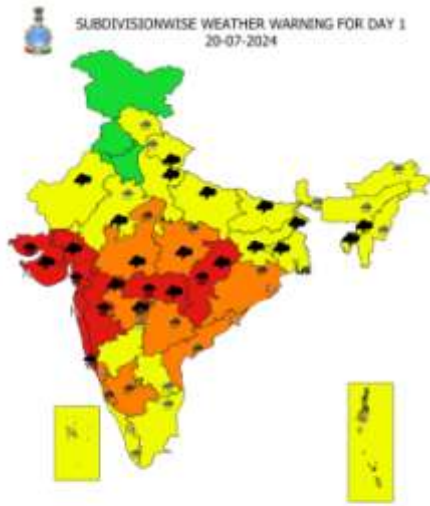
24 hours Outlook for the Flash Flood Risk (FFR) till 0530 IST of 21-07-2024 :

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.

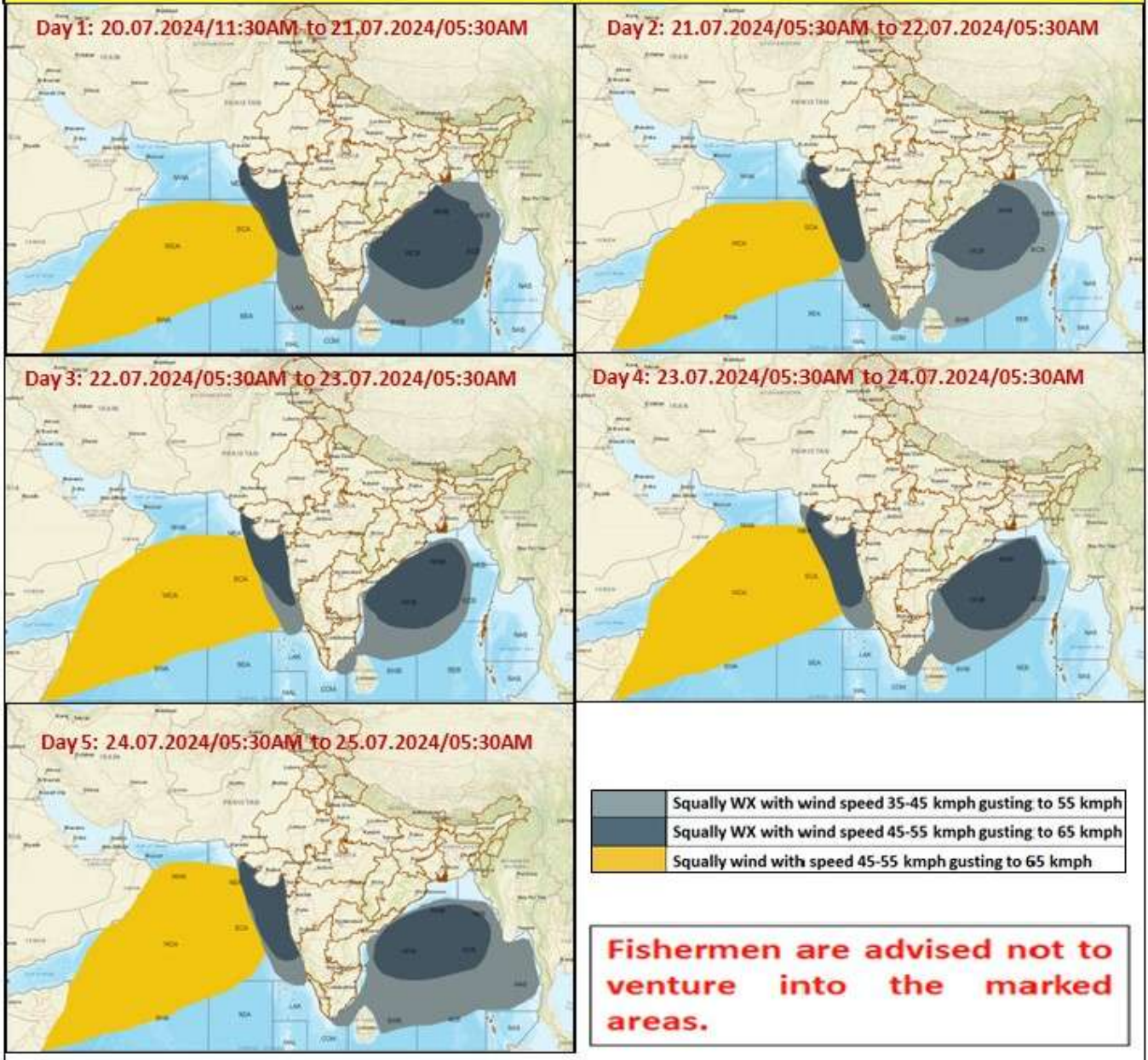


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Fishermen Warning Graphics



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