



**India Meteorological Department**

**(Ministry of Earth Sciences)**

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**DATED: 19.07.2024**

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**Sub: Depression over Northwest and adjoining Westcentral Bay of Bengal off Odisha and adjoining North Andhra Pradesh coasts**

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 7 kmph during past 6 hours and lay centered at 1730 hours IST of today, the 19th July, 2024 over the same region near latitude 19.4°N and longitude 85.7°E, about 50 km south-southwest of Puri (Odisha), 90 km East of Gopalpur (Odisha), 140 km southwest of Paradip (Odisha) and 200 km northeast of Kalingapatnam (Andhra Pradesh).

It is likely to move further west-northwestwards and cross Odisha coast to the south of Puri near Chilika Lake as a depression during early morning hours of tomorrow, the 20th July, 2024. Continuing to move further west-northwestwards across Odisha & Chhattisgarh it would weaken gradually during subsequent 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 19<sup>th</sup> and 20<sup>th</sup> July and extremely heavy rainfall at isolated places on 19<sup>th</sup> July.
- ❖ **North Odisha:** Light to moderate rainfall is very likely at most places with heavy to very heavy rainfall at isolated places on 19<sup>th</sup> and 20<sup>th</sup> 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.**

**Gangetic West Bengal:** Light to moderate rainfall is very likely at most places on 19<sup>th</sup> and 20<sup>th</sup> July.

**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 19<sup>th</sup> & 20<sup>th</sup> July and extremely heavy rainfall at isolated places on 19<sup>th</sup> 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 19<sup>th</sup> and 20<sup>th</sup> July.

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

**Chattisgarh:** Light to moderate rainfall at most places with heavy to very heavy rainfall at isolated places is very likely on 19<sup>th</sup> and 20<sup>th</sup> July and extremely heavy rainfall at isolated places on 19<sup>th</sup> July.

**Telangana & Vidarbha:** Light to moderate rainfall at most places with heavy to very heavy rainfall at a few places and extremely heavy rainfall at isolated places is very likely on 19<sup>th</sup> July. Light to moderate rainfall at most places with heavy to extremely heavy rainfall at isolated places is very likely on 20<sup>th</sup> 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 19<sup>th</sup> and 20<sup>th</sup> 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 19<sup>th</sup> and 20<sup>th</sup> July and would improve gradually thereafter.

**(v) Fishermen Warning**

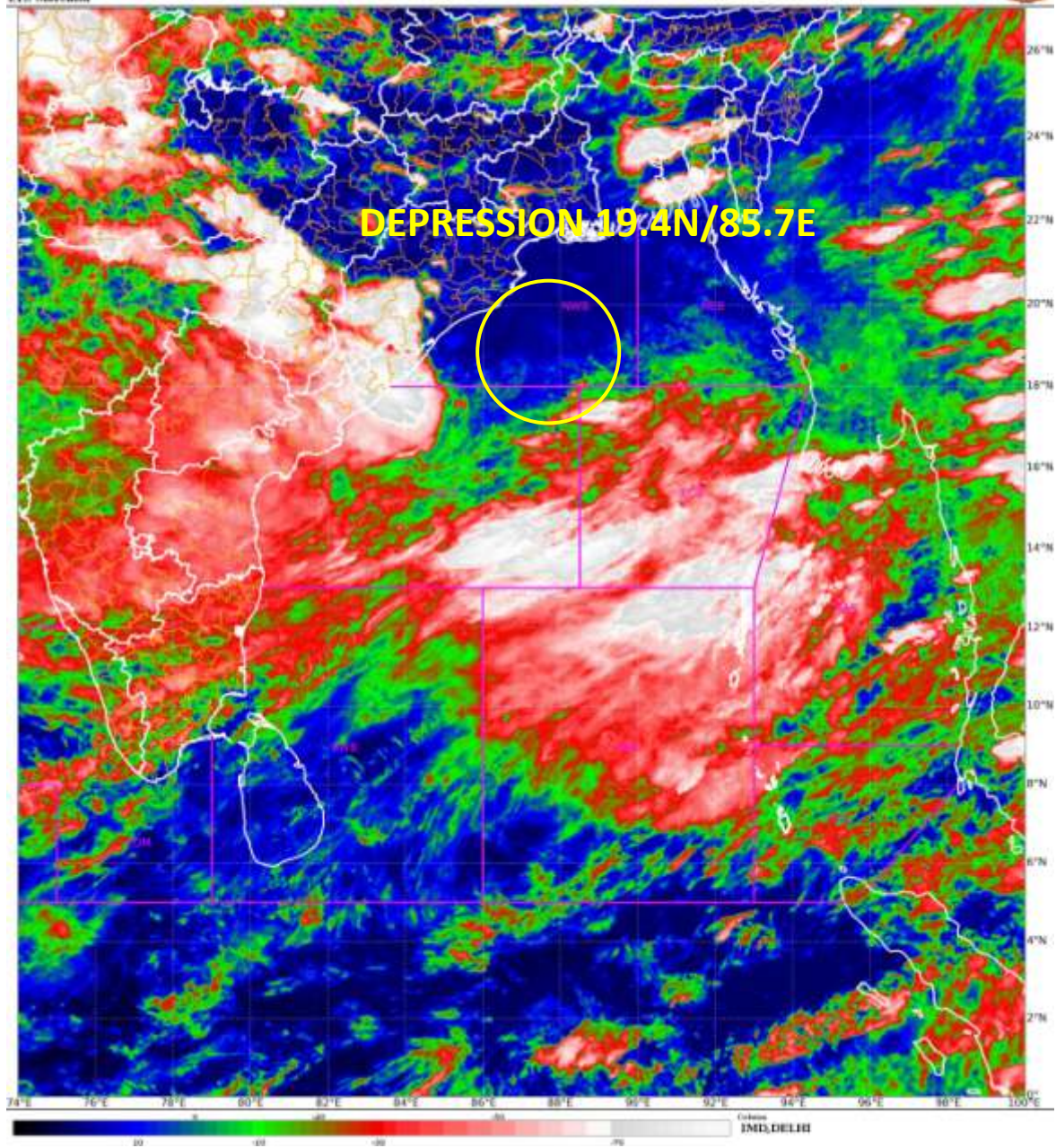
Fishermen are advised not to venture into northwest and adjoining westcentral Bay of Bengal and along & off North Andhra Pradesh, Odisha, West Bengal & adjoining Bangladesh coasts on 19<sup>th</sup> and 20<sup>th</sup> July.

***The next bulletin will be issued at 0230hrs IST of tomorrow, 20<sup>th</sup> 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 NORTHWEST AND ADJOINING WESTCENTRAL BAY OF BENGAL OFF ODISHA AND ADJOINING NORTH ANDHRA PRADESH COASTS BASED ON 1200 UTC OF 19TH JULY, 2024.**

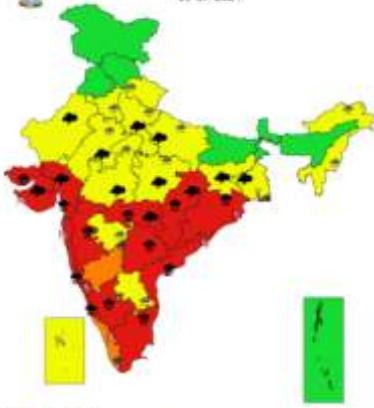


DATE/TIME IN UTC  
 IST=UTC + 0530  
 L: LOW PRESSURE AREA  
 WML: WELL MARKED LOW PRESSURE AREA  
 D: DEPRESSION (17-27 KT)  
 DD: DEEP DEPRESSION (28-33 KT)  
 CS: CYCLONIC STORM (34-47 KT)  
 SCS: SEVERE CYCLONIC STORM (48-63KT)  
 VSCS: VERY SEVERE CYCLONIC STORM (64-89 KT)  
 ESCS: EXTREMELY SEVERE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

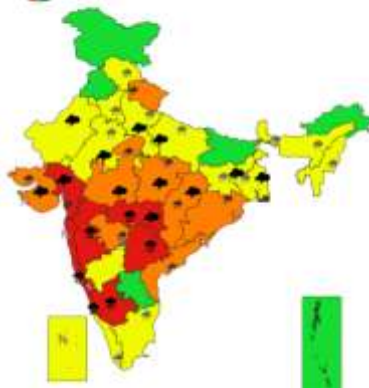
- LESS THAN 34 KT
- 34-47 KT
- ≥ 48 KT
- OBSERVED TRACK
- FORECAST TRACK
- CONE OF UNCERTAINTY

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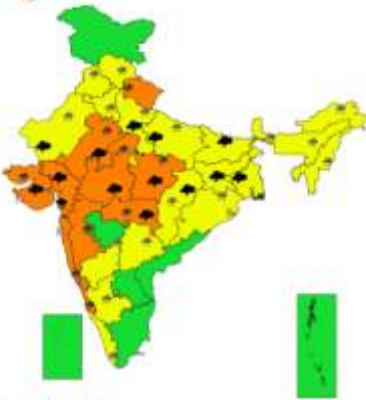
SUBDIVISIONWISE WEATHER WARNING FOR DAY 1  
19-07-2024



SUBDIVISIONWISE WEATHER WARNING FOR DAY 2  
20-07-2024



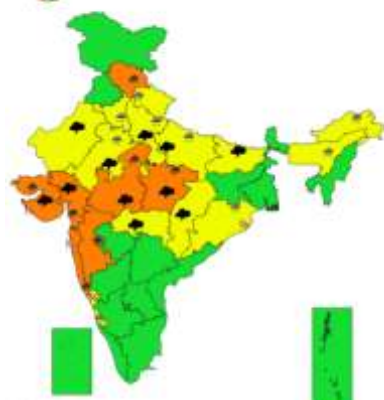
SUBDIVISIONWISE WEATHER WARNING FOR DAY 3  
21-07-2024



SUBDIVISIONWISE WEATHER WARNING FOR DAY 4  
22-07-2024

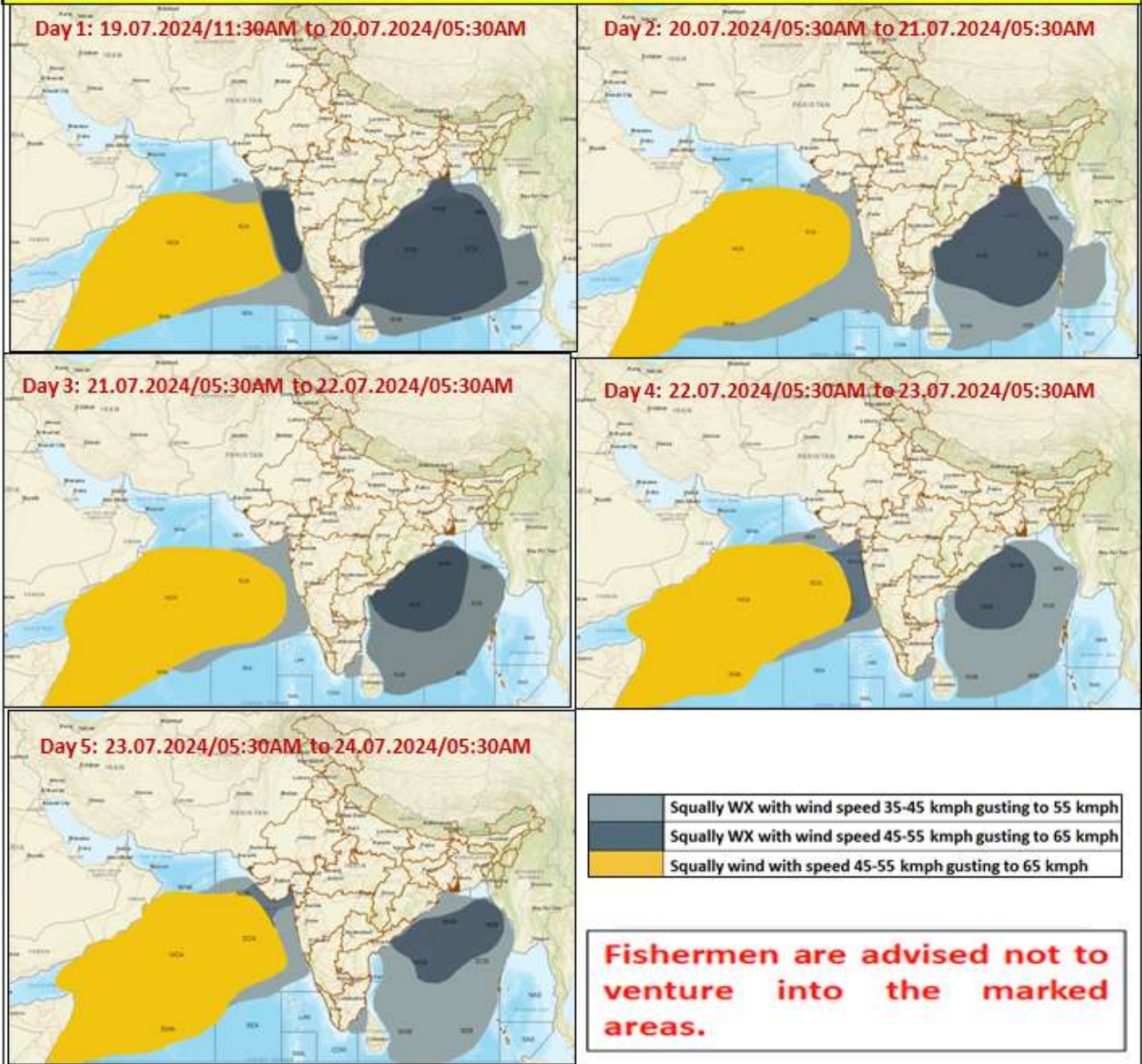


SUBDIVISIONWISE WEATHER WARNING FOR DAY 5  
23-07-2024



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.

### Fishermen Warning Graphics



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