



Government of India
Ministry of Earth Sciences
India Meteorological Department

Press Release
Date: 19th September, 2022
Time of Issue: 1530 hrs IST

Subject: (i) Conditions are becoming favorable for withdrawal of Southwest Monsoon from parts of northwest India and Kutch during next 2 days.
(ii) Heavy rainfall spell over Odisha, Coastal Andhra Pradesh and Chhattisgarh till 21st and over Vidarbha and East Madhya Pradesh during 20th to 22nd September, 2022 in association with the Low Pressure Area over Northwest & adjoining Westcentral Bay of Bengal.

Weather observed during past 24 hours ending at 0830 hrs IST of today: (Refer Annex. II)

Withdrawal of Southwest Monsoon

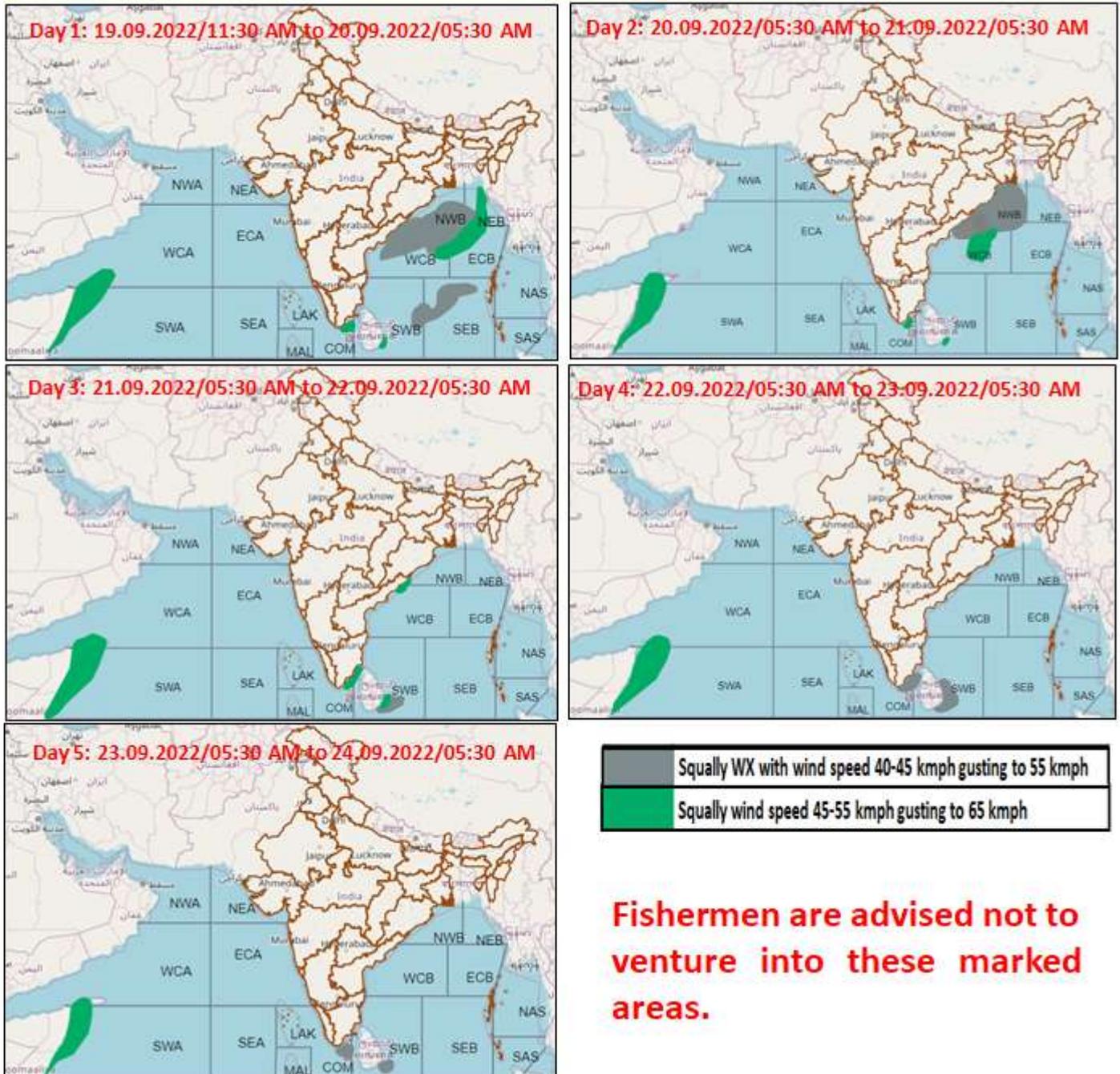
- Due to anti-cyclonic flow over northwest India at lower tropospheric levels, dry weather is very likely over West Rajasthan, Punjab and adjoining areas of Haryana during next 05 days.
- Conditions are becoming favorable for withdrawal of Southwest Monsoon from parts of Northwest India and Kutch during next 2 days.

Weather systems, rainfall/thunderstorm Forecast & Warnings: (Warning Graphics in Annexure III)

- Under the influence of yesterday's cyclonic circulation over Northwest & adjoining Westcentral Bay of Bengal, a Low Pressure Area has formed over the same region. It is likely to move northwestwards towards Odisha coast and become more marked during next 24 hours.
- A cyclonic circulation lies over central parts of south Uttar Pradesh in lower tropospheric levels.
- A fresh Western Disturbance seen as a trough in middle tropospheric westerlies with its axis in middle tropospheric levels runs roughly along Long.62°E to the north of Lat. 28°N.
- **Under their influence:**
 - Fairly Widespread/Widespread light/moderate rainfall with **isolated heavy falls & thunderstorm/lightning** very likely over Odisha and Chhattisgarh during 19th-21st; Jharkhand on 20th; Gangetic West Bengal on 19th; Vidarbha on 21st & 22nd; East Madhya Pradesh during 20th-23rd; West Madhya Pradesh on 22nd & 23rd and over Gujarat region, Marathwada, ghat areas of Madhya Maharashtra and north Konkan on 19th September, 2022. **Isolated very heavy rainfall also likely over Odisha during 19th-21st September, 2022.**
 - Fairly Widespread light/moderate rainfall with **isolated heavy falls & thunderstorm/lightning** very likely over Coastal Andhra Pradesh & Yanam on 19th & 20th and over Telangana during 19th-21st September, 2022. **Isolated very heavy rainfall also likely over Coastal Andhra Pradesh & Yanam on 19th September, 2022.**
 - Widespread light/moderate rainfall with **isolated heavy falls & thunderstorm/lightning** very likely over Uttarakhand on 19th and over south East Uttar Pradesh on 21st September, 2022.
 - Fairly Widespread light/moderate rainfall with **isolated heavy falls & thunderstorm/lightning** very likely over Arunachal Pradesh during 20th-23rd; Assam & Meghalaya during 19th-23rd and over Nagaland, Manipur, Mizoram & Tripura on 19th & 20th September, 2022. **Isolated very heavy rainfall also likely over Arunachal Pradesh on 22nd & 23rd September, 2022.**
- **Fishermen Warning: Squally weather** (wind speed 40-45 kmph gusting to 55 kmph) is very likely over Central Bay of Bengal adjoining northwest and adjoining west-central and adjoining northeast Bay of Bengal, along & off north Andhra Pradesh, Odisha and West Bengal coasts on 20th September, 2022. **(Refer Annexure 1)**

For more details kindly refer: https://mausam.imd.gov.in/imd_latest/contents/all_india_forecast_bulletin.php

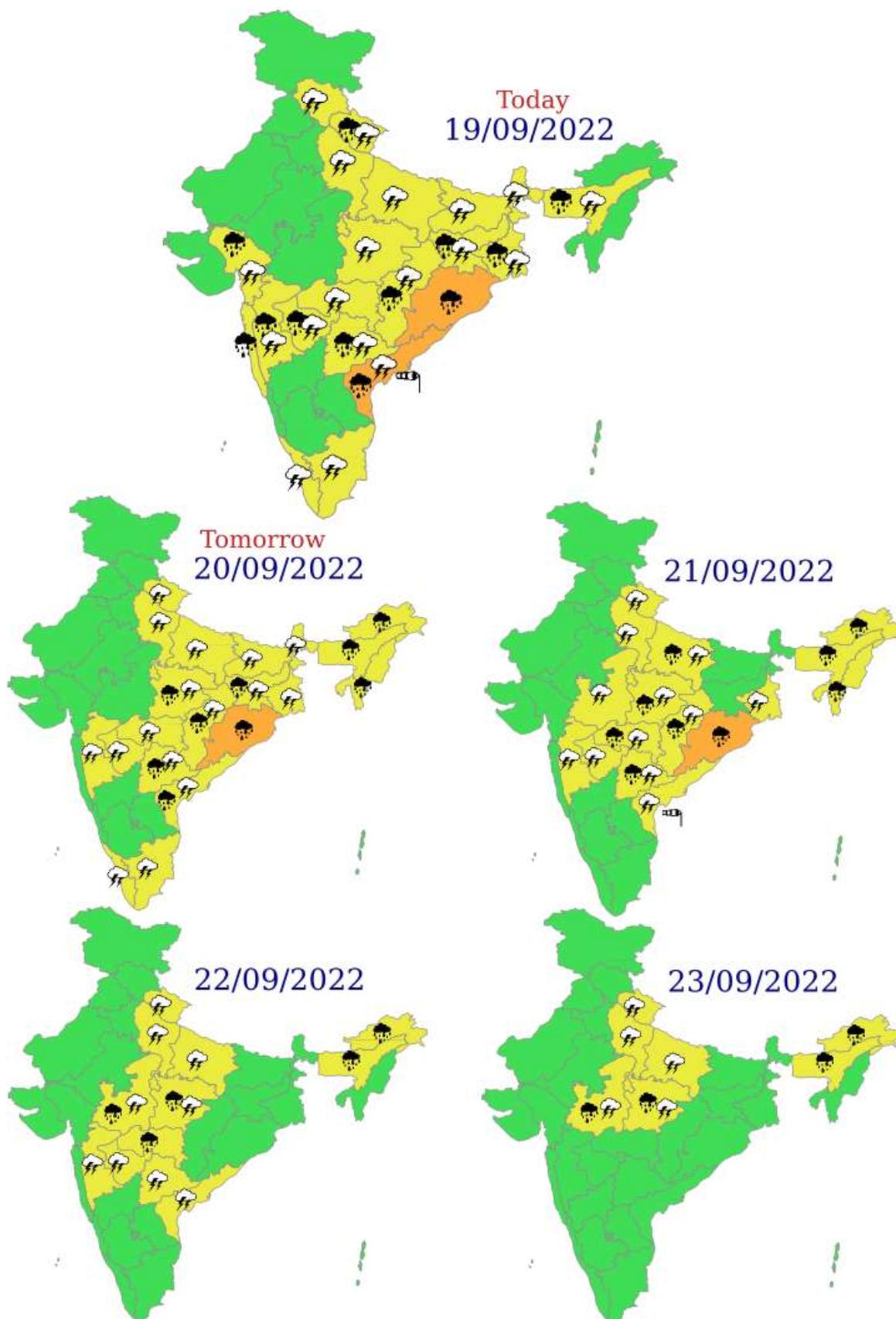
Fishermen warning graphics



Very heavy rainfall occurred at isolated places over Gujarat Region, Coastal Andhra Pradesh, Andaman & Nicobar Islands and **heavy rainfall** at isolated places over West Uttar Pradesh, Odisha, Chhattisgarh, Marathawada, ghat areas of Madhya Maharashtra & Konkan.

Rainfall (in cm):

- ❖ **Coastal Andhra Pradesh:** Vararamachandrapur (dist East Godavari) 13, Eluru (dist West Godavari) 11;
- ❖ **Andaman & Nicobar Islands:** Mayabunder-12;
- ❖ **Gujarat Region:** Umergam (dist Valsad) 12, Waghai (dist Dangs) 11, Sagbara (dist Narmada) 11, Daman (dist Daman) 9;
- ❖ **Marathawada:** Soegaon (dist Aurangabad) 9, Kannad (dist Aurangabad) 7;
- ❖ **Chhattisgarh:** Makadi (dist Kondagaon) 9, Bastar (dist Bastar) 7, Bilaigarh (dist Baloda Bazar) 7, Nagari (dist Dhamtari) 7;
- ❖ **West Uttar Pradesh:** Mirganj (dist Bareilly) 9;
- ❖ **Odisha:** Tentulikhunti & Raigarh (Dist Nawarangpur) 8, Mathili (Dist Malkangiri) 8, Lamataput (Dist Koraput) 8, Kotpad & Jeypore (Dist Koraput) 7, Banki (Dist Cuttack) 7, Madanpur Rampur (Dist Kalahandi) 7, Khordha Pto (Dist Khurda) 7, Nawarangpur Pto & Nawarangpur (Dist Nawarangpur)7, Rairakhol & Naktideul (Dist Sambalpur) 7;
- ❖ **Konkan & Goa:** Imd Obsy (dist Palghar) 8, Murbad (dist Thane) 7;
- ❖ **Madhya Maharashtra:** Chandwad (dist Nashik) 8, Pachora (dist Jalgaon) 8, Peth (dist Nashik) 8.



IMPACT EXPECTED & ACTION SUGGESTED DUE TO-

Isolated **very heavy rainfall** over Odisha during 19th-21st and over Coastal Andhra Pradesh & Yanam on 19th September, 2022.

A. Impact Expected

- Localized Flooding of roads, 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.
- It may lead to riverine flooding in some river catchments (for riverine flooding please visit Web page of CWC)

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.

Legends:

Heavy Rain: 64.5 to 115.5 mm; **Very Heavy Rain:** 115.6 to 204.4 mm; **Extremely Heavy Rain:** >204.4 mm.

Region wise classification of meteorological Sub-Divisions:

- 1) **Northwest India:** Western Himalayan Region (Jammu-Kashmir-Ladakh-Gilgit-Baltistan-Muzaffarabad, Himachal Pradesh and Uttarakhand); Punjab, Haryana-Chandigarh-Delhi; West Uttar Pradesh, East Uttar Pradesh, West Rajasthan and East Rajasthan.
- 2) **Central India:** West Madhya Pradesh, East Madhya Pradesh, Vidarbha and Chhattisgarh.
- 3) **East India:** Bihar, Jharkhand, Sub-Himalayan West Bengal & Sikkim; Gangetic West Bengal, Odisha and Andaman & Nicobar Islands.
- 4) **Northeast India:** Arunachal Pradesh, Assam & Meghalaya and Nagaland, Manipur, Mizoram & Tripura.
- 5) **West India:** Gujarat Region, Saurashtra & Kutch, Konkan & Goa, Madhya Maharashtra and Marathwada.
- 6) **South India:** Coastal Andhra Pradesh & Yanam, Telangana, Rayalaseema, Coastal Karnataka, North Interior Karnataka, South Interior Karnataka, Kerala & Mahe, Tamil Nadu, Puducherry & Karaikal and Lakshadweep.

SPATIAL DISTRIBUTION (% of Stations reporting)			
% Stations	Category	% Stations	Category
76-100	Widespread (WS/ Most Places)	26-50	Scattered (SCT/ A Few Places)
51-75	Fairly Widespread (FWS/ Many Places)	1-25	Isolated (ISOL)



 **Thunderstorm with Lightning**



Probabilistic Forecast	
Terms	Probability of Occurrence (%)
Unlikely	< 25
Likely	25 - 50
Very Likely	50 - 75
Most Likely	> 75