



Government of India
Ministry of Earth Sciences
India Meteorological Department

Press Release
Date: 10th September, 2022
Time of Issue: 1345 hrs IST

Subject: (i) The Well Marked Low Pressure Area over Westcentral & adjoining Northwest Bay of Bengal off north Andhra Pradesh-south Odisha coasts. It is likely to concentrate into a depression during next 24 hours.

(ii) Heavy/Very heavy rainfall spell likely over Gujarat, Maharashtra during next 5 days and over West Bengal, Odisha, Telangana & Andhra Pradesh during next 3 days.

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

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

- The **monsoon trough** runs south of its normal position. It is likely to remain so during next 3-4 days.
- Yesterday's **Low Pressure Area** over Westcentral & adjoining Northwest Bay of Bengal off north Andhra Pradesh-south Odisha coasts now lies as a **Well Marked Low Pressure Area** over the same region and the associated cyclonic circulation extends upto mid-tropospheric levels. It is likely to concentrate into a depression over Northwest & adjoining Westcentral Bay of Bengal and south Odisha - north Andhra Pradesh coasts during next 24 hours.
- A shear zone runs roughly along Lat.15°N over south Peninsular India in middle tropospheric levels. It will gradually shift northwards during next 3-4 days.
- A trough runs from east central Arabian Sea off Konkan coast to the Well Marked Low Pressure Area over Westcentral & adjoining Northwest Bay of Bengal off north Andhra Pradesh-south Odisha coasts in lower levels.

Under the influence of the above systems:

- Fairly widespread/widespread rainfall with isolated **heavy falls** and **thunderstorm/lightning** very likely over South Interior Karnataka and Rayalaseema on 10th; Tamilnadu, Puducherry & Karaikal and Coastal Andhra Pradesh & Yanam on 10th & 11th; Coastal & North Interior Karnataka and Kerala & Mahe during 10th-12th; Telangana during 10th -13th. **Isolated very heavy rainfall also likely over Coastal Andhra Pradesh & Yanam on 10th; over Telangana on 10th & 11th September, 2022.**
- Fairly widespread/widespread rainfall with **isolated heavy falls & thunderstorm/lightning** very likely over Chhattisgarh, Gangetic West Bengal and Marathwada during 10th -12th; Vidarbha and Odisha during 10th - 13th; Sub-Himalayan West Bengal on 12th; Madhya Pradesh and Jharkhand during 12th -14th; Bihar on 13th & 14th; Gujarat State, Madhya Maharashtra and Konkan & Goa during next 5 days. **Isolated very heavy rainfall also likely over Odisha on 10th & 11th; Gangetic West Bengal on 11th & 12th; over Madhya Maharashtra during 11th - 14th; Gujarat Region on 12th & 14th; Saurashtra & Kutch during 12th - 14th; and over Konkan & Goa during next 5 days. Isolated extremely heavy rainfall also likely over Gujarat region on 13th September, 2022.**

- Fairly widespread/widespread rainfall with **isolated heavy falls** and thunderstorm/lightning very likely over Assam & Meghalaya and Nagaland, Manipur, Mizoram & Tripura during 10th - 13th September, 2022.
- Fairly widespread to widespread light/moderate rainfall with isolated **heavy falls** and **thunderstorm/lightning** very likely over Jammu & Kashmir on 10th; Himachal Pradesh 10th, 13th & 14th; East Rajasthan on 13th & 14th; Punjab, Haryana, Chandigarh & Delhi, Uttar Pradesh, West Rajasthan on 14th; Uttarakhand during next 5 days. **Isolated very heavy rainfall also likely over Uttarakhand during 11th -14th and over Himachal Pradesh on 14th September, 2022.**

(i) Wind warning

Squally winds speed reaching 40-50 kmph gusting to 60 kmph are very likely to prevail over northwest & westcentral Bay of Bengal and along & off North Andhra Pradesh, Odisha and West Bengal coasts on 10th and 11th September, 2022.

(ii) Sea condition

Sea condition will be rough to very rough over northwest & westcentral Bay of Bengal and along & off Andhra Pradesh, Odisha and West Bengal coasts on 10th and 11th September, 2022.

(iv) Fishermen Warning (Warning graphics in Annexure III)

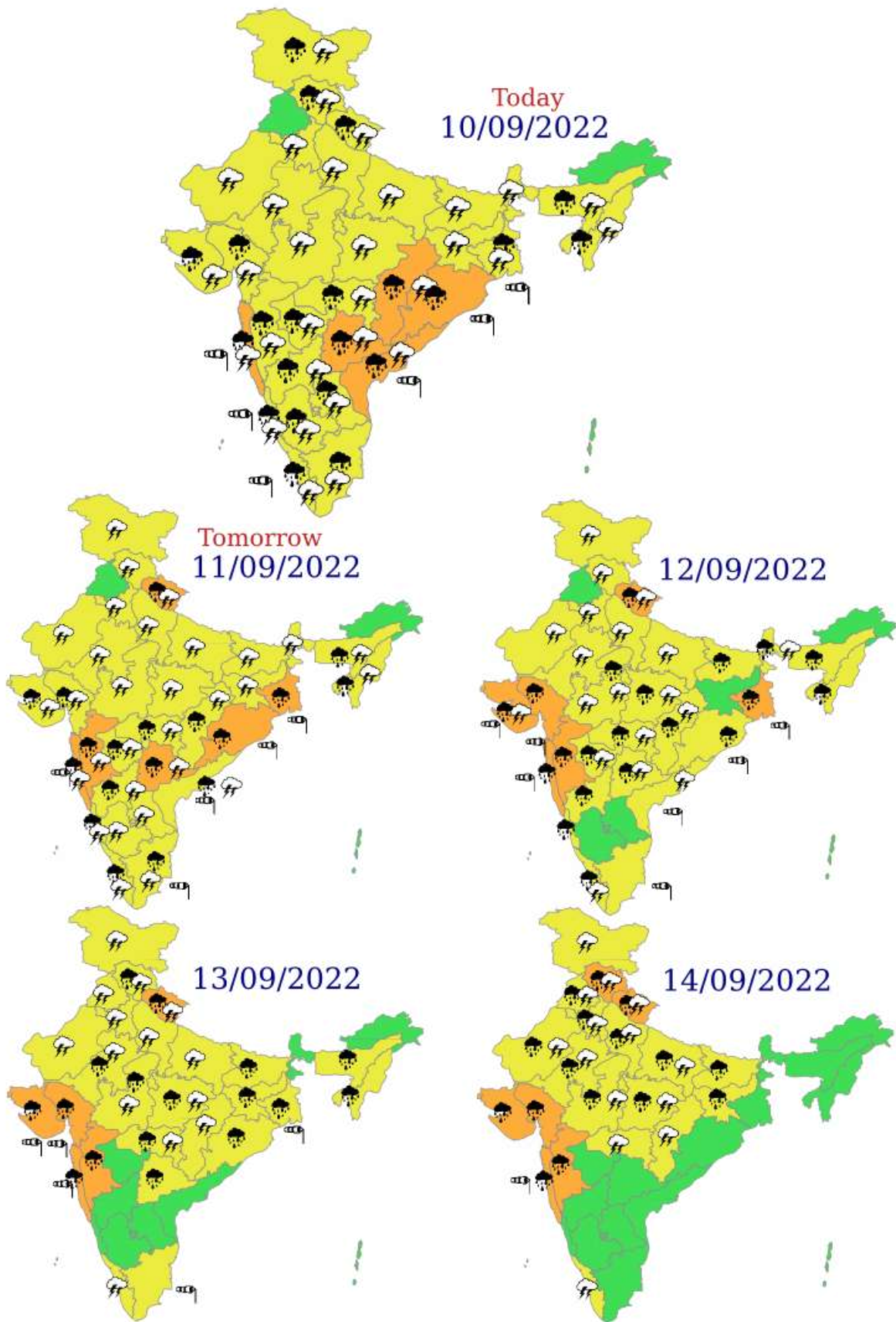
Fishermen are advised not to venture into northwest & westcentral Bay of Bengal and along & off Andhra Pradesh, Odisha and West Bengal coasts on 10th and 11th September, 2022.

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

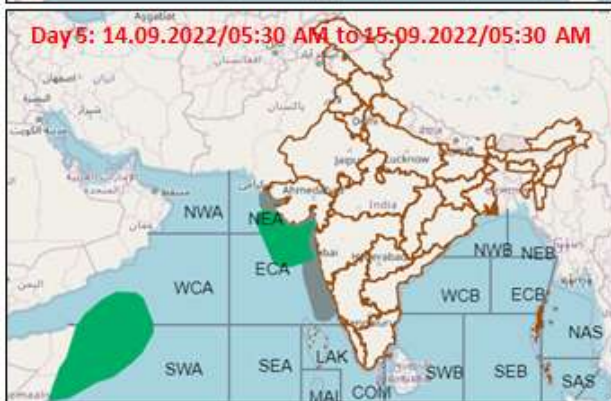
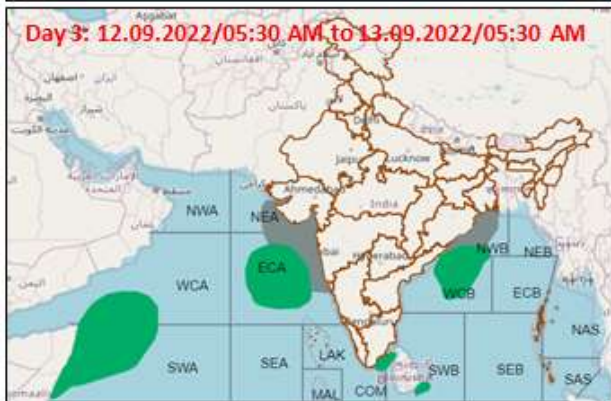
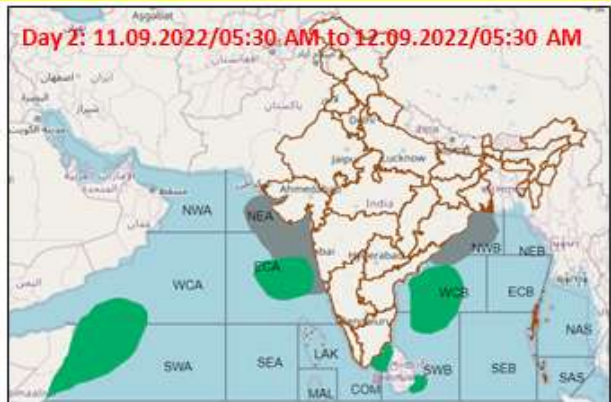
Heavy to very heavy rainfall at isolated places over Uttarakhand, Coastal Andhra Pradesh & Yanam, Odisha and Telangana and **heavy rainfall** at isolated places over Rayalaseema, Gujarat State, Konkan & Goa, Vidarbha, Chhattisgarh, Madhya Maharashtra, Konkan & Goa, Marathwada, Rayalaseema, Coastal & North Interior Karnataka and Tamilnadu.

Rainfall (in cm):

- ❖ **Coastal Andhra Pradesh & Yanam:** Bheemavaram (dist West Godavari) 13, Palakoderu (dist West Godavari) 12, Velairpad (dist West Godavari) 11, Palasa (dist Srikakulam) 11, Amalapuram (dist East Godavari) 10, Mandasa (dist Srikakulam) 10, Vararamachandrapur (dist East Godavari) 9, Sompeta (dist Srikakulam) 9, Kukunoor (dist West Godavari) 8, Kunavaram (dist East Godavari) 8, Bheemunipatnam (dist Vishakhapatnam) 7, Gajapathinagaram (dist Vizianagaram) 7, Kalingapatnam (dist Srikakulam) 7, Tadepalligudem (dist West Godavari) 7, Parvathipuram (dist Vizianagaram) 7.
- ❖ **Telangana:** Palawancha (dist B. Kothagudem) 17, Kathlapur (dist Jagtial) 14, Gudurwrgl (dist Mahabubabad) 13, Kothagudem (dist B. Kothagudem) 12, Mallial (dist Jagtial) 12, Gangadhara (dist Karimnagar) 11, Dharmaram (dist Peddapalle) 11, Venkatapuram (dist Mulugu) 11, Ramgundam (dist Peddapalle) 11, Kammar Palle (dist Nizamabad) 11, Kotgiri (dist Nizamabad) 11, Metpalle (dist Jagtial) 10, Pegadapalle (dist Jagtial) 10, Varni (dist Nizamabad) 9, Thimmapur (dist Karimnagar) 9, Munipalli (dist Sangareddy) 9, Manuguru (dist B. Kothagudem) 9, Mulakalapalle (dist B. Kothagudem) 9, Rudrur(a) (dist Nizamabad) 9, Aswapuram (dist B. Kothagudem) 8, Bhupalpalle (dist J. Bhupalpally) 8, Bheemgal (dist Nizamabad) 8, Shayampet (dist Warangal_rural) 8, Kotapalle (dist Mancherial) 8, Velagatoor (dist Jagtial) 7, Navipet (dist Nizamabad) 7, Mortad (dist Nizamabad) 7, Sadasivanagar (dist Kamareddy) 7, Tekulapalle (dist B. Kothagudem) 7, Sarangapur (dist Jagtial) 7, Gundala (dist B. Kothagudem) 7, Tadwai Mlg (dist Mulugu) 7, Parkal (dist Warangal_rural) 7, Karimnagar (dist Karimnagar) 7, Chennur (dist Mancherial) 7, Velpur (dist Nizamabad) 7.
- ❖ **Uttarakhand:** Rudraprayag: Ukhimath-14, Pithoragarh: Dharchula-13, Dehradun: Jollygrant-11, Garhwal Tehri-7.
- ❖ **Rayalaseema:** Atmakur (dist Kurnool) 7.
- ❖ **Gujarat Region:** Umerpada (dist Surat) 8.
- ❖ **Saurashtra & Kutch:** Kalyanpur (dist Devbhoomi Dwarka) 9, Khambhaliya_arg (dist Devbhoomi Dwarka) 8.
- ❖ **Konkan & Goa:** Kalyan (dist Thane) 11, Thane (dist Thane) 9, Ambernath (dist Thane) 8, Ulhasnagar (dist Thane) 7, Tbia Imd Part Time (dist Thane) 7.
- ❖ **Chhattisgarh:** Konta (dist Sukma) 8, Bhopalpatnam (dist Bijapur) 7, Chhindgarh (dist Sukma) 7.
- ❖ **Marathwada:** Umari (dist Nanded) 7.
- ❖ **Tamil Nadu:** Coimbatore: Chinnakalar-9, The Nilgiris: Avalanche-8, Taluk Office Pandalur-7.
- ❖ **Coastal Karnataka:** Ankola (dist Uttara Kannada) 7.
- ❖ **North Interior Karnataka:** Londa (dist Belagavi) 7.
- ❖ **Odisha:** Gajapati: Mehendragarh-12; Gosani-10.



Fishermen warning graphics



Squally WX with wind speed 40-50 kmph gusting to 60 kmph
Squally wind speed 45-55 kmph gusting to 65 kmph

Fishermen are advised not to venture into these marked areas.

IMPACT EXPECTED & ACTION SUGGESTED DUE TO-

- i) Isolated **extremely heavy rainfall** also likely over Gujarat region on 13th September, 2022.
- ii) Isolated **very heavy rainfall** over Coastal Andhra Pradesh & Yanam on 10th; Telangana & Odisha on 10th & 11th; Gangetic West Bengal on 11th & 12th; Madhya Maharashtra & Uttarakhand during 11th - 14th; Gujarat Region on 12th & 14th; Saurashtra & Kutch during 12th - 14th; Himachal Pradesh on 14th September, 2022 and over Konkan & Goa during next 5 days.

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:

- 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.
- Central India:** West Madhya Pradesh, East Madhya Pradesh, Vidarbha and Chhattisgarh.
- East India:** Bihar, Jharkhand, Sub-Himalayan West Bengal & Sikkim; Gangetic West Bengal, Odisha and Andaman & Nicobar Islands.
- Northeast India:** Arunachal Pradesh, Assam & Meghalaya and Nagaland, Manipur, Mizoram & Tripura.
- West India:** Gujarat Region, Saurashtra & Kutch, Konkan & Goa, Madhya Maharashtra and Marathwada.
- 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)



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

