



**Government of India**  
**Ministry of Earth Sciences**  
**India Meteorological Department**

**Press Release**  
**Date: 11<sup>th</sup> July, 2022**  
**Time of Issue: 1300 hrs IST**

**Subject: The intense wet spell over Gujarat, Konkan and north Madhya Maharashtra likely to continue till 14<sup>th</sup> July.**

**Weather observed during past 24 hours ending at 0830 hrs IST of today:**

- **Extremely heavy rainfall** at isolated places occurred over Himachal Pradesh, West Madhya Pradesh and Gujarat region; **heavy to very heavy rainfall** at isolated places occurred over, East Rajasthan, East Madhya Pradesh, Andaman & Nicobar Islands, Madhya Maharashtra, Saurashtra & Kutch, Konkan & Goa, Vidarbha, Telangana, Coastal & South Interior Karnataka, Tamilnadu and Kerala & Mahe and **heavy rainfall** at isolated places over West Rajasthan, Haryana-Chandigarh, West Uttar Pradesh, Chhattisgarh, Odisha, Coastal Andhra Pradesh & Yanam, North Interior Karnataka and Assam. (**Annexure I**)

**Rainfall/thunderstorm Forecast & Warnings: (Multi-hazard warning is given in Annexure II)**

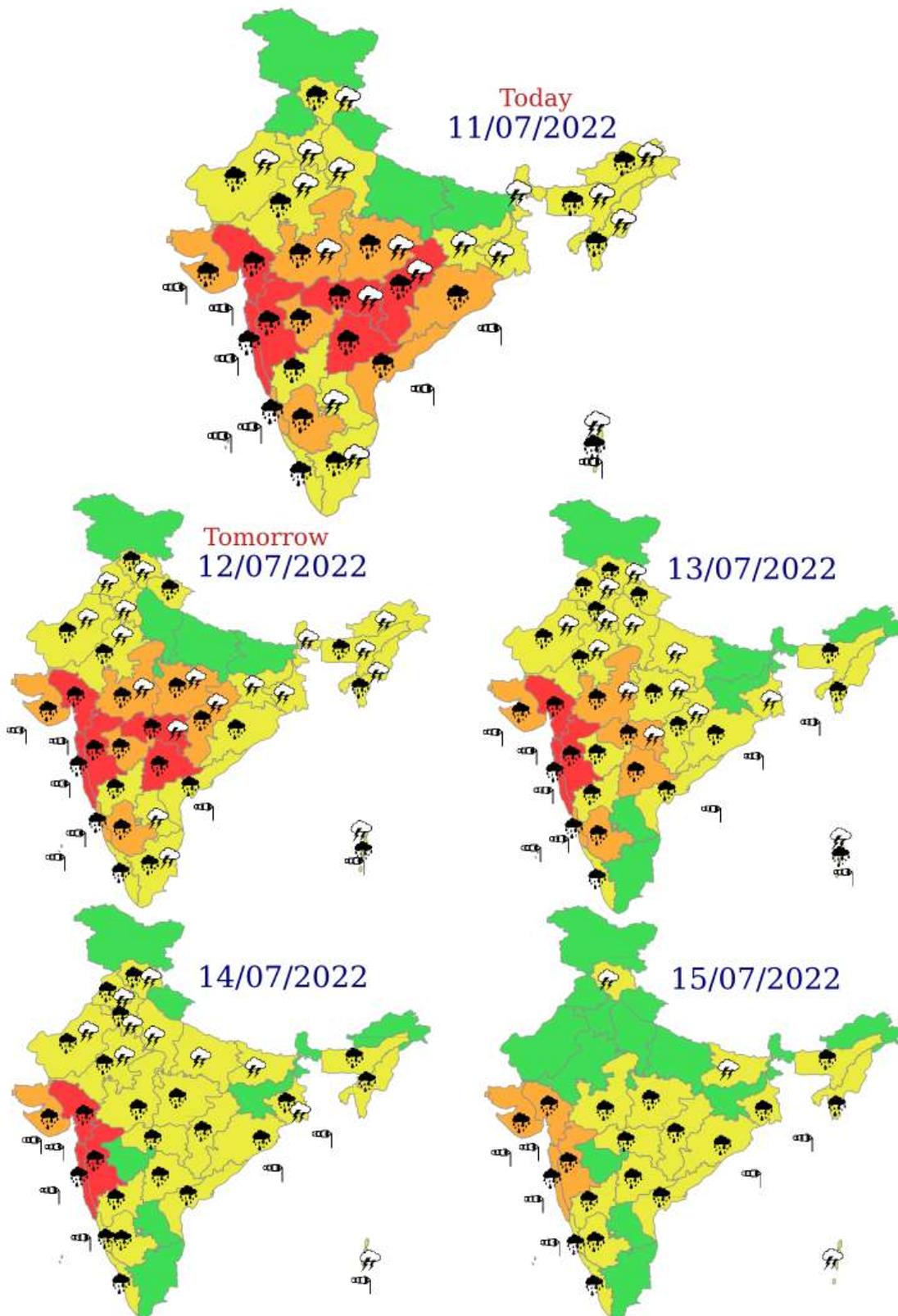
- The **Low Pressure Area** lies over Northwest Bay of Bengal off Odisha coast with the associated cyclonic circulation extending upto upper tropospheric levels tilting southwestwards with height.
- The monsoon trough is active and south of its normal position.
- An east-west shear zone runs roughly along 20°N in lower & mid tropospheric levels tilting southwestwards with height across North Peninsular India.
- An off-shore trough at mean sea level runs from Gujarat coast to Karnataka coast.
- **Under their influence;**
  - Fairly widespread/widespread light/moderate rainfall & **thunderstorm/lightning** with isolated **heavy rainfall** very likely over Chhattisgarh, Vidarbha, Madhya Pradesh, Odisha, Maharashtra, Gujarat State, Kerala & Mahe, Coastal Andhra Pradesh & Yanam, Telangana and Karnataka during next 4-5 days.
    - **Isolated very heavy rainfall** very likely over East Madhya Pradesh & Marathwada on 11<sup>th</sup> & 12<sup>th</sup>; West Madhya Pradesh, Saurashtra & Kutch, Coastal & South Interior Karnataka during 11<sup>th</sup>-13<sup>th</sup>; Odisha & Coastal Andhra Pradesh & Yanam on 11<sup>th</sup>, 14<sup>th</sup> & 15<sup>th</sup>; Telangana & Vidarbha on 13<sup>th</sup>; Chhattisgarh on 12<sup>th</sup> & 15<sup>th</sup>; Konkan & Goa, Madhya Maharashtra & Gujarat Region on 15<sup>th</sup> July, 2022.
    - **Isolated/scattered heavy to very heavy rainfall with isolated extremely heavy falls also very likely over south Gujarat Region, ghat areas of Madhya Maharashtra and Konkan & Goa during 11<sup>th</sup>- 14<sup>th</sup>; Saurashtra & Kutch on 14<sup>th</sup> & 15<sup>th</sup>; Chhattisgarh on 11<sup>th</sup>; Telangana and Vidarbha on 11<sup>th</sup> & 12<sup>th</sup> July, 2022.**

- Isolated/scattered light/moderate rainfall activity very likely over Rayalaseema and Tamil Nadu, Puducherry & Karaikal during next 5 days with isolated **heavy rainfall** also likely over Tamil Nadu, Puducherry & Karaikal on 11<sup>th</sup> & 12<sup>th</sup> July, 2022.
- Scattered to fairly widespread light/moderate rainfall & isolated **thunderstorm/lightning** during next 5 days with:
  - Isolated **heavy rainfall** very likely over Himachal Pradesh during 11<sup>th</sup>-14<sup>th</sup> and over Uttarakhand on 12<sup>th</sup> & 13<sup>th</sup> July, 2022.
- Isolated/scattered light/moderate rainfall activity with isolated **thunderstorm/lightning** very likely over Uttar Pradesh during next 5 days and over Punjab, Haryana-Chandigarh & Rajasthan on 11<sup>th</sup> & 12<sup>th</sup> and fairly widespread to widespread on 13<sup>th</sup> & 14<sup>th</sup> July, 2022.
  - Isolated **heavy rainfall** likely over Punjab & Haryana-Chandigarh on 13<sup>th</sup> & 14<sup>th</sup> and over south Rajasthan during 11<sup>th</sup>-14<sup>th</sup> July, 2022.

**Rainfall (in cm):**

- ❖ **Telangana:** Venkatapuram (dist Mulugu) 18, Kotapalle (dist Mancherial) 15, Bejjur (dist Kumaram Bheem) 13, Pinapaka (dist B. Kothagudem) 12, Bhupalpalle (dist J. Bhupalpally) 11, Gundala (dist B. Kothagudem) 10,
- ❖ **Madhya Maharashtra:** Trimbakshwar (dist Nashik) 18, Surgana (dist Nashik) 17, Harsul - Fmo (dist Nashik) 14, Igatpuri (dist Nashik) 13, Peth (dist Nashik) 12, Gaganbawada (dist Kolhapur) 11, Mahabaleshwar- Imd Obsy (dist Satara) 11;
- ❖ **Vidarbha:** Sironcha (dist Gadchiroli) 17, Ahiri (dist Gadchiroli) 13, Samudrapur (dist Wardha) 8, Ballarpur (dist Chandrapur) 8;
- ❖ **Gujarat Region:** Bodeli (dist Chhota Udepur) 60, Quant (dist Chhota Udepur) 43, Jambughoda (dist Panchmahal) 43, Jetpur Pavi (dist Chhota Udepur) 40, Chhota Udepur (dist Chhota Udepur) 33, Waghai (dist Dangs) 29, Dangs (ahwa) (dist Dangs) 27, Dharampur (dist Valsad) 23, Subir (dist Dangs) 21, Vansda (dist Navsari) 21;
- ❖ **East Madhya Pradesh:** Sausar (dist Chindwara) 17, Amarwara (dist Chindwara) 8, Harrai (dist Chindwara) 8, Tamia (dist Chindwara) 7;
- ❖ **Chhattisgarh:** Tokapal (dist Bastar) 11, Bijapur (dist Bijapur) 8, Pakhanjur (dist Kanker) 8;
- ❖ **Coastal Karnataka:** Subramanya (dist Dakshina Kannada) 16, Castle Rock (dist Uttara Kannada) 15, Kota (dist Udupi) 12, Siddapura (dist Udupi) 11;
- ❖ **South Interior Karnataka:** Bhagamandala (dist Kodagu) 13, Koppa (dist Chikkamagaluru) 10, Sringeri Hms (dist Chikkamagaluru) 10, Jayapura (dist Chikkamagaluru) 9,
- ❖ **Konkan & Goa:** Matheran (dist Raigad) 12, Mokheda - Fmo (dist Palghar) 12, Chiplun (dist Ratnagiri) 11, Jawhar (dist Palghar) 10, Khed (dist Ratnagiri) 9, Khalapur (dist Raigad) 9, Karjat\_agri (dist Raigad) 8, Wada (dist Palghar) 8'
- ❖ **Haryana-Chandigarh:** Kanina (dist Mahendragarh) 8, Ateli (dist Mahendragarh) 7;
- ❖ **West Madhya Pradesh:** Vidisha (dist Vidisha) 20, Alirajpur (dist Alirajpur) 18, Itarsi (dist Narmadapuram) 17, Pipariya (dist Narmadapuram) 16, Sultanpur (dist Raisen) 13, Dolariya (dist Narmadapuram) 12, Godadongri (dist Betul) 11;
- ❖ **Andaman & Nicobar Islands:** Long Island-14, Mayabandar-7;
- ❖ **East Rajasthan:** Bundi: Nainwa-13, Dholpur: Dholpur Tehsil-12, Sikar: Lachmangarh-10, Tonk: Piplu SR-8;
- ❖ **Kerala & Mahe:** Kannur: Taliparamba-12, Thalassery-9, Ernakulam: Idamalayar Dam-8, Kasargod: Vellarikkundu-8, Wayanad: Padinjara Dam-10, Kozhikode: Kakkayam-11, Vada-7, Idukki: Munnar-10, Idukki-9;
- ❖ **Saurashtra & Kutch:** Morbi (dist Morbi) 12, Naliya (dist Kutch) 9;

- ❖ **Coastal Andhra Pradesh & Yanam:** Chintur (dist East Godavari) 9;
- ❖ **West Rajasthan:** Bikaner: Kajuwala SR-9, Churu: Churu-7,
- ❖ **North Interior Karnataka:** Londa (dist Belagavi) 7;
- ❖ **Himachal Pradesh:** Kangra: Dharmsala-23 Dharmsala AWS-14, Hamirpur: Bhoranj-7;
- ❖ **Taminadu, Puducherry & Karaikal:** Chinnakalar (dist Coimbatore) 14, Avalanche (dist Nilgiris) 10, Cincona (dist Coimbatore), Sholayar (dist Coimbatore) 9 each,
- ❖ **Odisha: Keonjhar:** Daitari-8, Dhenkanal: Hindol-7, Ganjam: Jagannath Prasad-7, Mayurbhanj: Kaptipada and Udala-7 Each;
- ❖ **Assam:** Chachar-9, Golaghat, Tinsukia-8 each, Karimganj-7;
- ❖ **West Uttar Pradesh:** Badaun-12;



## EXPECTED IMPACT & ACTION SUGGESTED DUE TO-

(i) **Isolated extremely heavy rainfall** over south Gujarat Region, ghat areas of Madhya Maharashtra and Konkan & Goa during 11<sup>th</sup>- 14<sup>th</sup>; Saurashtra & Kutch on 14<sup>th</sup> & 15<sup>th</sup>; Chhattisgarh on 11<sup>th</sup>; Telangana and Vidarbha on 11<sup>th</sup> & 12<sup>th</sup> July, 2022

(ii) **Isolated very heavy rainfall** over East Madhya Pradesh & Marathwada on 11th & 12th; West Madhya Pradesh, Saurashtra & Kutch, Coastal & South Interior Karnataka during 11th-13th; Odisha & Coastal Andhra Pradesh & Yanam on 11th, 14th & 15th; Telangana & Vidarbha on 13th; Chhattisgarh on 12th & 15th; Konkan & Goa, Madhya Maharashtra & Gujarat Region on 15th July, 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)



Heavy Rain



Strong Winds

### WARNING

WARNING (TAKE ACTION)
ALERT (BE PREPARED)
WATCH (BE UPDATED)
NO WARNING (NO ACTION)

### Probabilistic Forecast

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



Thunderstorm with Lightning



Heat Wave