



Government of India
Ministry of Earth Sciences
India Meteorological Department

Press Release
Date: 14th July, 2022
Time of Issue: 1250 hrs IST

Subject: i) **Rainfall intensity is likely to reduce over Konkan & Goa, Gujarat Region, Madhya Maharashtra & Telangana from 15th and over Saurashtra & Kutch from 17th July, 2022.**
ii) **Rainfall activity likely to increase over Uttarakhand, Uttar Pradesh, Bihar & Sub-Himalayan West Bengal and Northeastern States from 18th July for subsequent 5 days.**

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

- **Heavy to very heavy rainfall with extremely heavy falls** at isolated places occurred over Gujarat Region, West Madhya Pradesh, Telangana, Konkan & Goa, Madhya Maharashtra, & Tamil Nadu; **heavy to very heavy rainfall** at isolated places occurred over East Madhya Pradesh, Chhattisgarh, East Rajasthan, Saurashtra & Kutch, Marathwada, Odisha, South Interior Karnataka, and Kerala and **heavy rainfall** at isolated places over Himachal Pradesh, Vidarbha, Uttarakhand, Haryana-Chandigarh and Coastal & North Interior Karnataka. **(Annexure I).**

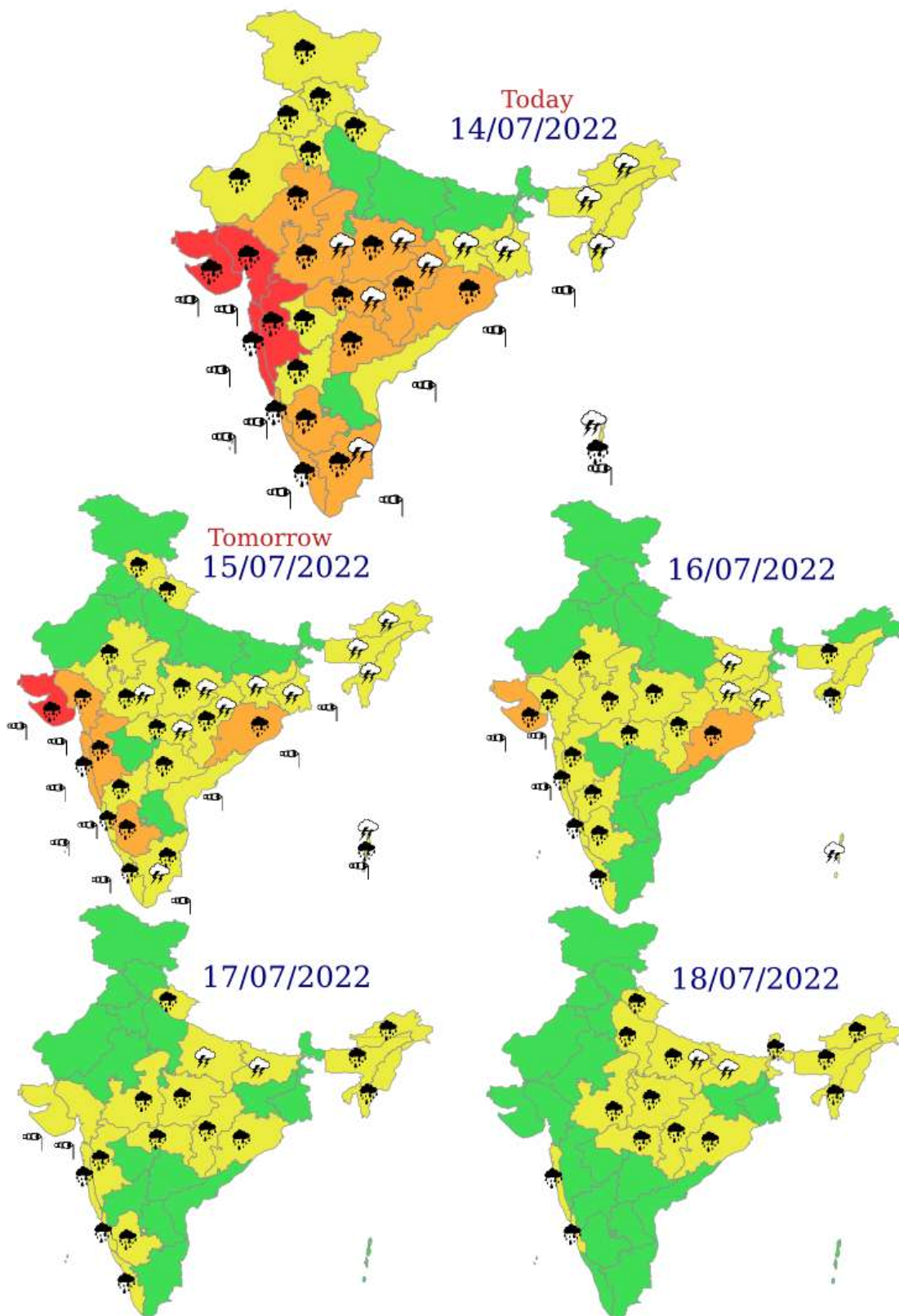
Rainfall/thunderstorm Forecast & Warnings: (Multi-hazard warning is given in Annexure II)

- A **Low Pressure Area** lies over north Odisha & neighbourhood with the associated cyclonic circulation extending upto upper tropospheric levels tilting southwestwards with height.
- Another **Low Pressure Area** is likely to form over coastal Gujarat & neighbourhood during next 48 hours. It is likely to move nearly westwards and become more marked subsequently.
- The monsoon trough is active and south of its normal position. It is likely to shift gradually northwards from 17th July, 2022.
- An east-west shear zone runs roughly along 19°N in lower & middle tropospheric levels across North Peninsular India.
- **Under the influence above systems;**
 - 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 3-4 days and reduce thereafter.
 - ✓ **Isolated very heavy rainfall** very likely over Madhya Pradesh, Vidarbha, Chhattisgarh, Telangana & Tamil Nadu, Coastal Karnataka & Kerala & Mahe on 14th; South Interior Karnataka on 14th & 15th; Odisha during 14th-16th; Konkan & Goa, Madhya Maharashtra & Gujarat region on 15th; Saurashtra & Kutch on 16th July, 2022.
 - ✓ **Isolated heavy to very rainfall with extremely heavy falls very likely over Saurashtra & Kutch on 14th & 15th and over Gujarat region, ghat areas of Madhya Maharashtra and Konkan & Goa on 14th July, 2022.**

- Isolated/scattered light/moderate rainfall activity very likely over Rayalaseema and Tamil Nadu, Puducherry & Karaikal during next 5 days.
 - ✓ Isolated **heavy to very heavy rainfall** also likely over Tamil Nadu, Puducherry & Karaikal on 14th July, 2022.
- Scattered to fairly widespread light/moderate rainfall with isolated **thunderstorm/lightning** very likely over Jammu, Kashmir, Ladakh, Gilgit, Baltistan & Muzaffarabad, Himachal Pradesh & Uttarakhand during next 5 days and over Punjab, Haryana, Chandigarh, Delhi, Uttar Pradesh & Rajasthan during next 3 days with reduction thereafter.
 - ✓ Isolated **heavy rainfall** very likely over Jammu & Kashmir, West Rajasthan, Punjab & Haryana on 14th; Himachal Pradesh on 14th & 15th, Uttarakhand on 14th, 15th; 17th & 18th; Uttar Pradesh on 18th and over East Rajasthan during 14th-16th July, 2022. Isolated **heavy to very heavy rainfall** also likely over East Rajasthan on 14th July, 2022.

Rainfall (in cm):

- ❖ **Gujarat Region:** Vansda (dist Navsari) 39, Kaprada (dist Valsad) 38, Silvassa (dist Dadara & Nagar Haveli) 34, Dharampur (dist Valsad) 34, Madhbun (dist Dadara & Nagar Haveli) 31, Valsad_Kvk Aws (dist Valsad) 31, Pardi (dist Valsad) 29, Khanvel (dist Dadara & Nagar Haveli) 29, Subir (dist Dangs) 27, Dang_kvK Aws (dist Dangs) 27, Vapi (dist Valsad) 25, Waghai (dist Dangs) 25, Nanipalson (dist Valsad) 24, Khergam (dist Navsari) 23, Dolvan (dist Tapi) 23, Umergam (dist Valsad) 21, Daman (dist Daman) 21, Daman Fmo (dist Daman) 20, Nandod (dist Narmada) 20, Dangs (ahwa) (dist Dangs) 19, Dabhoi (dist Vadodara) 18, Karjan (dist Vadodara) 14, Rajpipala (dist Narmada) 12, Valod (dist Tapi) 11;
- ❖ **West Madhya Pradesh:** Rajgarh (dist Rajgarh) 34, Khaknar (dist Burhanpur) 18, Gogawan (dist Khargone) 17, Khandwa (dist Khandwa) 17, Jhirnya (dist Khargone) 16, Neapanagar (dist Burhanpur) 16, Thikri (dist Barwani) 14, Bhimpur (dist Betul) 13;
- ❖ **Telangana:** Khanpur (dist Nirmal) 29, Bheemgal (dist Nizamabad) 21, Gangadhara (dist Karimnagar) 21, Sirpuru (dist Kumaram Bheem) 20, Elagaid (dist Peddapalle) 20, Utnur (dist Adilabad) 19, Laxmanchanda (dist Nirmal) 19, Mallapur (dist Jagtial) 18, Armur (dist Nizamabad) 18, Velpur (dist Nizamabad) 17, Dharmaram (dist Peddapalle) 17, Dilawarpur (dist Nirmal) 17, Jainoor (dist Kumaram Bheem) 16;
- ❖ **Madhya Maharashtra:** Mahabaleshwar- Imd Obsy (dist Satara) 29, Lonavala_agri (dist Pune) 23, Peth (dist Nashik) 19, Igatpuri (dist Nashik) 16, Velhe (dist Pune) 14;
- ❖ **Konkan & Goa:** Talasari (dist Palghar) 27, Vikramgad (dist Palghar) 25, Matheran (dist Raigad) 24, Wada (dist Palghar) 24, Jawhar (dist Palghar) 24, Dahanu - Imd Obsy (dist Palghar) 23, Palghar_agri (dist Palghar) 22, Panvel_agri (dist Raigad) 17, Mokheda - Fmo (dist Palghar) 17, Karjat_agri (dist Raigad) 17, Thane (dist Thane) 15, Shahapur (dist Thane) 14, Kalyan (dist Thane) 14, Mahad (dist Raigad) 13;
- ❖ **Chhattisgarh:** Bijapur (dist Bijapur) 13, Baloda Bazar (dist Baloda Bazar) 11, Patharia (dist Mungeli) 9, Seovrinarayan (dist Janjgir) 8, Bilaigarh (dist Baloda Bazar) 8, Bhairamgarh (dist Bijapur) 8, Sarangarh (dist Raigarh) 7;
- ❖ **Marathawada:** Bhokar (dist Nanded) 15, Himayatnagar (dist Nanded) 12, Kallamnuri (dist Hingoli) 12, Billoli (dist Nanded) 11, Hadgaon (dist Nanded) 10;
- ❖ **East Madhya Pradesh:** Mohkheda (dist Chindwara) 12, Kurai (dist Seoni) 10, Harrai (dist Chindwara) 7;
- ❖ **Vidarbha:** Saoli (dist Chandrapur) 11, Gadchiroli (dist Gadchiroli) 11, Mul (dist Chandrapur) 9, Bhandara (dist Bhandara) 9, Joiti (dist Chandrapur) 8, Chamorshi (dist Gadchiroli) 8, Washim (dist Washim) 7;
- ❖ **East Rajasthan:** Jhalawar: Dug-14; Banswara: Bhungra-14, Alwar: Rajgarh-8;
- ❖ **Saurashtra & Kutch:** Sutrapada (dist Gir Somnath) 12, Kodinar (dist Gir Somnath) 12, Gir Gadhada (dist Gir Somnath) 11, Vanthali (dist Junagadh) 10, Keshod (dist Junagadh) 9, Visavadar (dist Junagadh) 9;
- ❖ **Tamil Nadu:** The Nilgiris: Gudalur Bazaar-23, Upper Gudalur-22, Avalanche-20, Upperbhavani-18, Devala-16, Coimbatore: Sholayar-15, Chinnakalar-11, Valparai PTO-13, Theni: Periyar-7;
- ❖ **Uttarakhand:** Pithoragarh: Dharchula-11, Bagheshwar: Loharkhet-8;
- ❖ **Himachal Pradesh:** Sirmaur: Paonta-7;
- ❖ **Odisha:** Kandhamal:Chakapad-14, Kalinga-10, Sambalpur: Sambalpur-10, Jharsuguda: Lakhanpur-11, Bargarh: Batli-9;
- ❖ **Kerala & Mahe:** Wayanad:Padinjarathara_Dam-16, Mananthavady-14, Vythiri (VYT)-10; Idukki: Ayyappankovil & Meencut-13 each, Kannur: Ayyankunnu-12, Aralam-8, Thrissur: Peringalkuthu-10, Ernakulam: Idamalayar Dam-10;
- ❖ **Haryana-Chandigarh:** Uklana Rly (dist Hisar) 7, Tajewala (dist Yamuna Nagar) 7;
- ❖ **North Interior Karnataka:** Londa (dist Belagavi) 9;
- ❖ **Coastal Karnataka:** Dharmasthala (dist Dakshina Kannada) 11, Manchikere (dist Uttara Kannada) 11, Belthangadi (dist Dakshina Kannada) 10, Kadra (dist Uttara Kannada) 9, Mulki (dist Dakshina Kannada) 9, Karkala (dist Udipi) 8;
- ❖ **S. I. Karnataka:** Bhagamandala (dist Kodagu) 19, Kottigehara (dist Chikkamagaluru) 15, Koppa (dist Chikkamagaluru) 13, Sringeri Hms (dist Chikkamagaluru) 13, Somwarpet (dist Kodagu) 12, Napoklu (dist Kodagu) 9;



EXPECTED IMPACT & ACTION SUGGESTED DUE TO-

(i) **Isolated extremely heavy rainfall** over Saurashtra & Kutch on 14th & 15th and over Gujarat region, ghat areas of Madhya Maharashtra and Konkan & Goa on 14th July, 2022.

(ii) **Isolated very heavy rainfall** over Madhya Pradesh, Vidarbha, Chhattisgarh, Telangana & Tamil Nadu, Coastal Karnataka & Kerala & Mahe on 14th; South Interior Karnataka on 14th & 15th; Odisha during 14th-16th; Konkan & Goa, Madhya Maharashtra & Gujarat region on 15th; Saurashtra & Kutch on 16th 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)



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

