



Government of India
Ministry of Earth Sciences
India Meteorological Department

Press Release
Date: 08th July, 2022
Time of Issue: 1345 hrs IST

Subject: Active monsoon conditions over central India and along west coast likely to continue during next 5 days and increase of rainfall over Northwest India during 09th-10th July 2022.

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

- **Extremely heavy rainfall** at isolated places occurred over Saurashtra & Kutch, Coastal Karnataka and Konkan & Goa; **heavy to very heavy rainfall** at isolated places occurred over Madhya Maharashtra, Chhattisgarh, Telangana, Gujarat Region, Nagaland & Mizoram, Assam, Kerala & Mahe, Tamilnadu, South Interior Karnataka and **heavy rainfall** at isolated places over Punjab, Rajasthan, Uttarakhand, Sub-Himalayan West Bengal & Sikkim, Vidarbha, West Madhya Pradesh, Himachal Pradesh, North Interior Karnataka and Coastal Andhra Pradesh & Yanam. (**Annexure I**)

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

- A cyclonic circulation lies over southwest Rajasthan & neighbourhood in lower tropospheric levels.
- The monsoon trough is active and south of its normal position.
- An east-west shear zone runs roughly along 19°N in lower & mid tropospheric levels tilting southwards with height across North Peninsular India.
- The off-shore trough at mean sea level runs from south Gujarat coast to Karnataka coast.
- A cyclonic circulation lies over northwest & adjoining westcentral Bay of Bengal off south Odisha north Andhra Pradesh Coasts in lower & mid tropospheric levels tilting southwestwards with height.
- **Under their influence;**
 - Fairly widespread/widespread rainfall & **thunderstorm/lightning** with isolated **heavy rainfall** very likely over Chhattisgarh, Madhya Pradesh, Odisha, Maharashtra, Gujarat state, Kerala & Mahe, Coastal Andhra Pradesh & Yanam, Telangana and Karnataka during next 5 days.
 - **Isolated very heavy rainfall very likely over** Gujarat region on 09th & 10th; Saurashtra & Kutch during 09th-11th; Madhya Maharashtra on 10th; Coastal Karnataka during 10th-12th; Coastal Andhra Pradesh & Yanam on 09th; Telangana on 10th; South Interior Karnataka on 08th & 09th; Odisha on 08th & 12th; West Madhya Pradesh 10th; Vidarbha during 08th-10th & 12th and over Chhattisgarh during 09th-12th July, 2022.
 - **Scattered heavy to very heavy rainfall with isolated extremely heavy rainfall also likely** over Coastal Karnataka on 08th & 09th and **isolated extremely heavy rainfall likely** over Konkan & Goa during next 5 days; north Coastal Andhra Pradesh & Yanam and Chhattisgarh on 08th; Telangana on 08th & 09th; Gujarat Region on 08th, 11th & 12th;

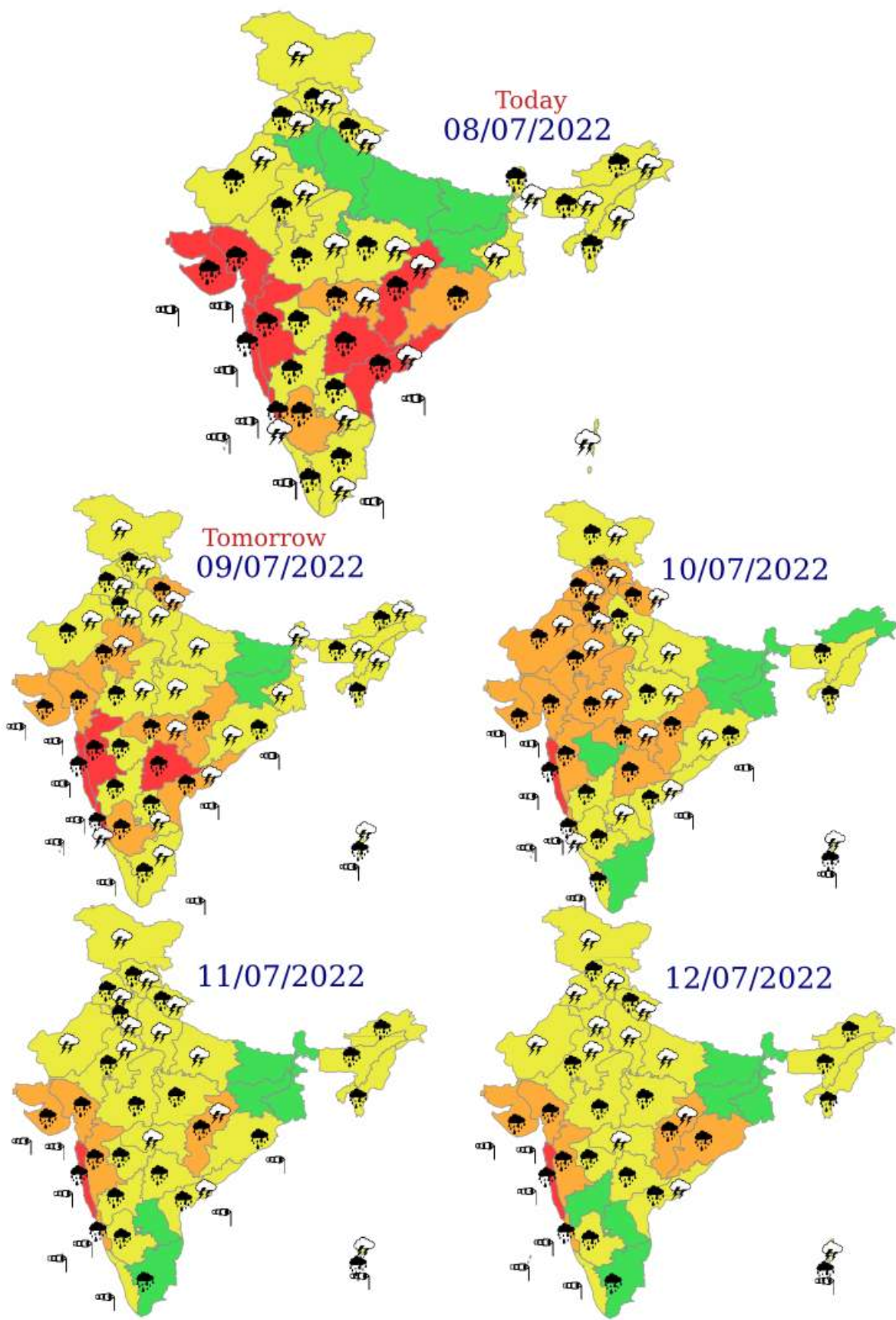
Saurashtra & Kutch on 08th & 12th and over ghat areas of Madhya Maharashtra on 08th, 09th, 11th & 12th July, 2022.

- Isolated/scattered rainfall activity very likely over Tamil Nadu, Puducherry & Karaikal during next 5 days with isolated **heavy rainfall** also likely over Tamil Nadu, Puducherry & Karaikal on 08th July, 2022.
- Scattered to widespread rainfall & isolated **thunderstorm/lightning** with:
 - Isolated **heavy rainfall** very likely over Jammu & Kashmir on 10th; Himachal Pradesh on 08th, 09th, 11th & 12th and over Uttarakhand on 08th; 11th & 12th July, 2022.
 - **Isolated heavy to very heavy rainfall also likely** over Himachal Pradesh on 10th; Uttarakhand on 09th & 10th July, 2022.
- Isolated/scattered rainfall activity with isolated **thunderstorm/lightning** very likely over Uttar Pradesh during next 5 days and scattered/fairly widespread rainfall activity over Punjab, Haryana, Chandigarh and Rajasthan during next 5 days with maximum intensity on 10th July, 2022:
 - Isolated **heavy rainfall** likely over Punjab on 08th, 09th & 11th; Haryana, Chandigarh on 09th & 11th; West Uttar Pradesh on 10th; West Rajasthan on 08th & 09th and over East Rajasthan on 08th, 11th & 12th July, 2022.
 - **Isolated heavy to very heavy rainfall also likely over** north Punjab & north Haryana-Chandigarh & West Rajasthan on 10th and East Rajasthan on 09th & 10th July, 2022.

Rainfall (in cm):

- ❖ **Saurashtra & Kutch:** Kutch Mandvi_Aws (dist Kutch) 30, Jamkandorna (dist Rajkot) 21, Dwarka (dist Devbhoomi Dwarka) 14, Upleta (dist Rajkot) 12, Bhuj (dist Kutch) 12, Mandvi(k) (dist Kutch) 11, Jodia (dist Jamnagar) 11, Okha (dist Devbhoomi Dwarka) 10, Lodhika (dist Rajkot) 10, Bhesan (dist Junagadh) 9, Mendarda (dist Junagadh) 9, Mundra (dist Kutch) 9, Kandla New (dist Kutch) 9, Kutiana (dist Porbandar) 8, Sutrapada (dist Gir Somnath) 8, Gir Gadhada (dist Gir Somnath) 8, Lakhpat (dist Kutch) 8, Malia (dist Junagadh) 7;
- ❖ **Konkan & Goa:-** Sanguem (dist South Goa) 23, Lanja (dist Ratnagiri) 21, Canacona (dist South Goa) 21, Matheran (dist Raigad) 21, Dabolim N.a.s.- Navy (dist South Goa) 19, Kudal (dist Sindhudurg) 19, Margao (dist South Goa) 19, Wada (dist Palghar) 19, Quepem (dist South Goa) 18, Mormugao - Pmo Imd (dist South Goa) 18, Mulde_Agri (dist Sindhudurg) 18, Mapusa (dist North Goa) 17, Malvan (dist Sindhudurg) 17, Roha (dist Raigad) 16, Sawantwadi (dist Sindhudurg) 16, Panjim - Imd Obsy (dist North Goa) 15, Ponda (dist North Goa) 15, Karjat_agri (dist Raigad) 15, Panvel_agri (dist Raigad) 13, Bhiwandi (dist Thane) 13, Kalyan (dist Thane) 13, Pen (dist Raigad) 13, Devgad (dist Sindhudurg) 13, Pernem (dist North Goa) 12, Valpoi (dist North Goa) 12, Khalapur (dist Raigad) 11, Mandangad (dist Ratnagiri) 11, Ambernath (dist Thane) 11, Vaibhavwadi (dist Sindhudurg) 11, Jawhar (dist Palghar) 11, Khed (dist Ratnagiri) 11, Chiplun (dist Ratnagiri) 11, Sudhagad Pali (dist Raigad) 11;
- ❖ **Coastal Karnataka:** Uttara Kannada: Shirali PTO-23, Karwar Obsy-20, Dakshina Kannada: Mulki-22, Belthangadi-13, Udupi: Kundapur-16,
- ❖ **Gujarat Region:** Kaprada (dist Valsad) 20, Vapi (dist Valsad) 16, Nanipalson (dist Valsad) 15, Valsad_Kvk Aws (dist Valsad) 15, Silvassa (dist Dadara & Nagar Haveli) 15, Khergam (dist Navsari) 14, Madhbun (dist Dadara & Nagar Haveli) 14, Dharampur (dist Valsad) 13, Pardi (dist Valsad) 13, Daman (dist Daman) 11, Daman Fmo (dist Daman) 9, Choryasi (dist Surat) 9, Valsad (dist Valsad) 9, Khanvel (dist Dadara & Nagar Haveli) 9, Gandevi (dist Navsari) 8, Navsari (dist Navsari) 8, Santrampur (dist Mahisagar) 7;
- ❖ **Madhya Maharashtra:** Lonavala_agri (dist Pune) 18, Gaganbawada (dist Kolhapur) 14, Mahabaleshwar- Imd Obsy (dist Satara) 13, Harsul - Fmo (dist Nashik) 11, Igatpuri (dist Nashik) 11, Ozarkheda - Fmo (dist Nashik) 9, Peth (dist Nashik) 8;
- ❖ **Chhattisgarh:** Bijapur (dist Bijapur) 17, Mungeli (dist Mungeli) 7;
- ❖ **Assam :** Shivsagar: Bihubar-15, Majui: Majuli-13;
- ❖ **Telangana:** Kusumanchi (dist Khammam) 14, Mothey (dist Suryapet) 14, Bonakal (dist Khammam) 13, Yellandu (dist B. Kothagudem) 11, Chinthakam (dist Khammam) 11, Khammam Urban (dist Khammam) 10;
- ❖ **Kerala & Mahe:** Kasargod: Vellarikkundu-14, Hosdurg-10, Kudulu-10, Kannur: Chemberi & Peringome-10 each, Irikkur-8, Taliparamba-8; Kozhikode: Quilandy-7, Wayanad: Padinjarathara_Dam-8, Idukki: Idukki-7;
- ❖ **South Interior Karnataka:** Linganamakki (dist Shivamogga) 13, Sringeri Hms (dist Chikkamagaluru) 12, Jayapura (dist Chikkamagaluru) 10, Bhagamandala (dist Kodagu) 9;
- ❖ **Nagaland & Mizoram:** Aizwal: Aizwal-13, Kolasib: Kolasib Agri-11, Zunheboto: Zunheboto-7;
- ❖ **Punjab:** Bul Irr (dist Ludhiana) 12,
- ❖ **Taminadu, Puducherry & Karaikal:** Nilgiris: Aavalanche-12, Devala-10, Coimbatore: Chinnakalar-8;
- ❖ **Coastal Andhra Pradesh & Yanam:** Tiruvuru(arg) (dist Krishna) 11, Tiruvuru (dist Krishna) 8, Parvathipuram (dist Vizianagaram) 7,
- ❖ **Himachal Pradesh:** Hamirpur: Bharari-11, Bilaspur: Ghumarwin-10, Mandi: Baldwara-8, Shimla: Kumarsain-8;

- ❖ **East Rajasthan:** Bakani Sr (dist Jhalawar) 10;
- ❖ **Vidarbha:** Ballarpur (dist Chandrapur) 10, Bhamragad (dist Gadchiroli) 10, Saoli (dist Chandrapur) 9, Korpana (dist Chandrapur) 9, Nagpur Aerodrome (dist Nagpur) 9, Bhadravati (dist Chandrapur) 8;
- ❖ **West Madhya Pradesh:** Thandla (dist Jhabua) 9, Mandsaur-aws (dist Mandsaur) 7, Badi (dist Raisen) 7;
- ❖ **Sub-Himalayan West Bengal & Sikkim:** Kalimpong: Rongo-9, West Sikkim: Yuksom(ARG)-8;
- ❖ **West Rajasthan:** Ahore Sr (dist Jalore) 9, Fatehgarh (dist Jaisalmer) 7, Bilara (dist Jodhpur) 7;
- ❖ **Uttarakhand:** Bagheshwar: Kapkot-7;
- ❖ **North Interior Karnataka:** Haveri: Hangal-7;



EXPECTED IMPACT & ACTION SUGGESTED due to very heavy rainfall over

(i) Punjab, Haryana, Chandigarh, Himachal Pradesh & West Rajasthan on 10th; East Rajasthan & Uttarakhand on 09th & 10th; Vidarbha during 08th-10th; Chhattisgarh during 09th-12th; Telangana on 10th, Coastal Andhra Pradesh on 09th; South Interior Karnataka on 08th & 09th; Coastal Karnataka during 10th-12th; Gujarat region on 09th & 10th; Saurashtra & Kutch during 09th-11th July, 2022.

(ii) **Due to isolated extremely heavy rainfall** over Coastal Karnataka on 08th & 09th; Konkan & Goa during next 5 days; north Coastal Andhra Pradesh & Yanam and Chhattisgarh on 08th; Telangana on 08th & 09th; Gujarat Region on 08th, 11th & 12th; Saurashtra & Kutch on 08th & 12th and over ghat areas of Madhya Maharashtra on 08th, 09th, 11th & 12th 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

