



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

**Press Release
Date: 06th July, 2022
Time of Issue: 1310 hrs IST**

Subject: Active monsoon conditions over central India and along west coast during next 5 days and over Northwest India from 07th July 2022.

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

- **Extremely heavy rainfall** at isolated places occurred over Coastal Karnataka, West Madhya Pradesh, Konkan & Goa, Madhya Maharashtra, **heavy to very heavy rainfall** at isolated places occurred over Telangana, Odisha, Gujarat State, Assam & Meghalaya, Kerala & Mahe, Tamilnadu, Puducherry & Karaikal, South Interior Karnataka and **heavy rainfall** at isolated places over Haryana-Chandigarh, Punjab, East Rajasthan, Uttarakhand, Himachal Pradesh, Chhattisgarh, Sub-Himalayan West Bengal, East Rajasthan, North Interior Karnataka and Coastal Andhra Pradesh & Yanam. (**Annexure I**)

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

- **The Low Pressure Area now lies over Kutch & neighbourhood with the associated cyclonic circulation extending upto mid tropospheric levels tilting southwestwards with height. It is likely to move further westwards and become less marked during next 24 hours.**
- **The monsoon trough is active and south of its normal position. Its western end is very likely to shift gradually northwards from tomorrow.**
- **An east-west shear zone runs roughly along 20°N between 3.1 km & 5.8 km above mean sea level tilting southwards with height across North Peninsular India.**
- **The off-shore trough at mean sea level runs from Gujarat coast to Karnataka coast.**
- **A cyclonic circulation lies over north Odisha & adjoining Chhattisgarh in lower tropospheric levels.**
- **Under their influence;**
 - Fairly widespread/widespread rainfall & **thunderstorm/lightning** with isolated **heavy rainfall** very likely over Odisha, Chhattisgarh, Madhya Pradesh, Maharashtra, Gujarat, Kerala & Mahe, Coastal Andhra Pradesh & Yanam, Telangana and Karnataka during next 5 days.
 - **Isolated very heavy rainfall very likely over** Gujarat region on 06th, 07th, 09th & 10th; North Interior Karnataka and Kerala & Mahe on 06th; Saurashtra & Kutch on 06th, 07th & 10th; Madhya Maharashtra on 10th; Coastal Karnataka on 07th & 08th; Telangana & South Interior Karnataka on 06th & 07th; Vidarbha on 08th; Chhattisgarh on 07th & 08th July, 2022.
 - **Scattered heavy to very heavy rainfall with isolated extremely heavy rainfall also likely over** Konkan & Goa during next 5 days and **isolated extremely heavy rainfall**

- likely over** Coastal Karnataka on 06th; Gujarat Region on 08th; Saurashtra & Kutch on 08th & 09th and over ghat areas of Madhya Maharashtra during 06th-09th July, 2022.
- Isolated/scattered rainfall activity very likely over Tamil Nadu, Puducherry & Karaikal during next 5 days with isolated **heavy to very heavy rainfall** also likely over Tamil Nadu, Puducherry & Karaikal on 06th & 07th July, 2022.
 - Fairly widespread/widespread rainfall & isolated **thunderstorm/lightning** with:
 - Isolated **heavy rainfall** very likely over Jammu & Kashmir, Ladakh, Gilgit, Baltistan & Muzaffarabad on 08th & 09th and over Himachal Pradesh & Uttarakhand on 06th, 07th & 10th July, 2022.
 - **Isolated heavy to very heavy rainfall also likely** over Himachal Pradesh & Uttarakhand on 08th & 09th July, 2022.
 - Isolated/scattered rainfall activity with isolated **thunderstorm/lightning** very likely over East Uttar Pradesh during next 5 days and over West Uttar Pradesh, Punjab, Haryana, Chandigarh-Delhi and Rajasthan during next 48 hours and increase thereafter becoming fairly widespread to widespread rainfall activity likely over the region during 07th-10th July, 2022:
 - Isolated **heavy rainfall** likely over Punjab & Haryana, Chandigarh during 06th-09th; West Uttar Pradesh on 08th & 09th; East Rajasthan on 06th & 10th and over West Rajasthan on 07th, 08th & 10th July, 2022.
 - **Isolated heavy to very heavy rainfall also likely over** West Rajasthan on 09th and over East Rajasthan during 07th-09th July, 2022.

Annexure I

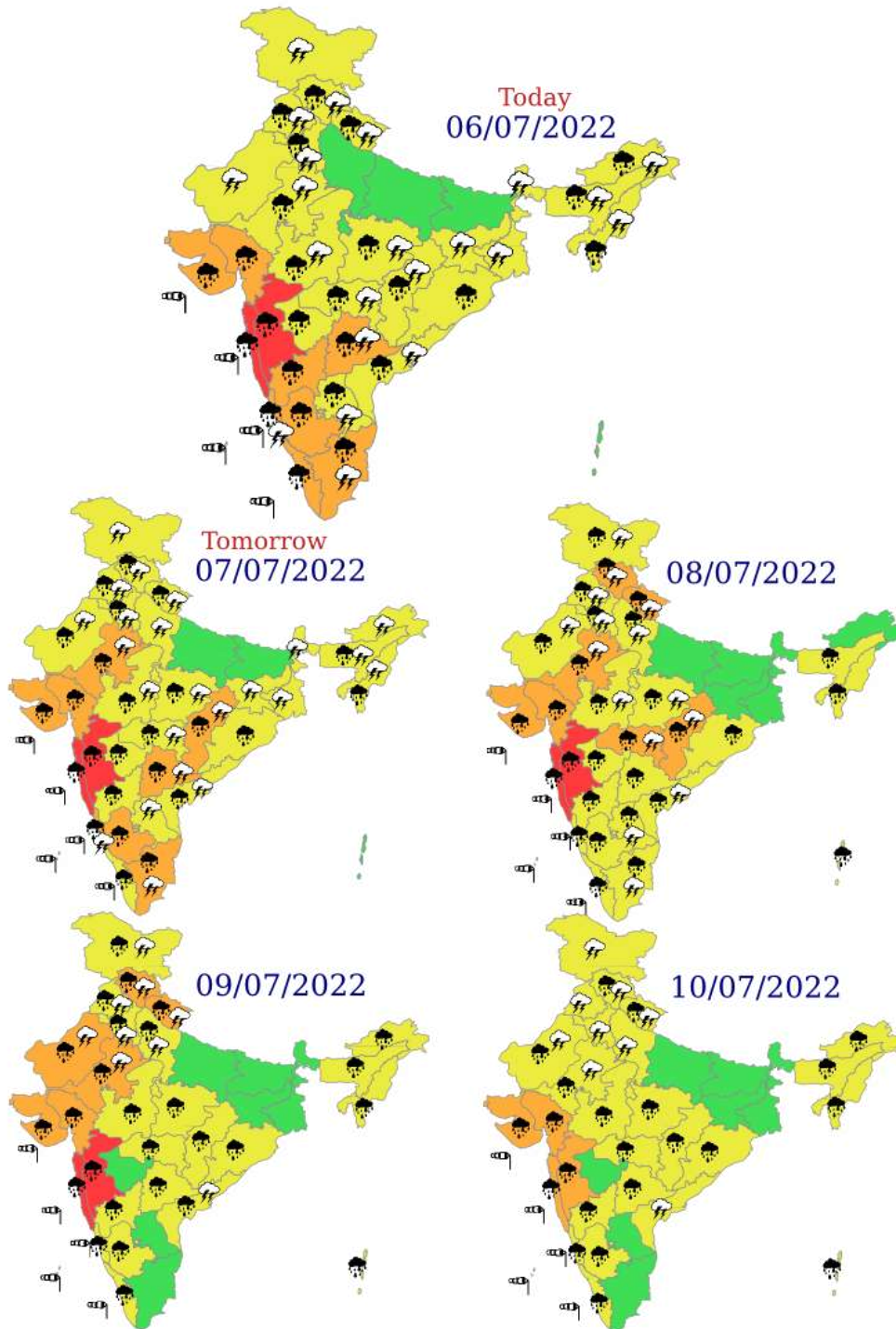
Rainfall (in cm):

- ❖ **Coastal Karnataka:** Castle Rock (dist Uttara Kannada) 25, Mulki (dist Dakshina Kannada) 20, Belthangadi (dist Dakshina Kannada) 18, Kota (dist Udupi) 15, Siddapur (dist Uttara Kannada) 15, Ankola (dist Uttara Kannada) 15, Dharmasthala (dist Dakshina Kannada) 14, Gersoppa (dist Uttara Kannada) 13, Siddapura (dist Udupi) 13, Mani (dist Dakshina Kannada) 13, Kollur (dist Udupi) 12, Mangaluru Ap Obsy (dist Dakshina Kannada) 11, Kundapur (dist Udupi) 11, Manki (dist Uttara Kannada) 11, Gokarna (dist Uttara Kannada) 10, Karwar Obsy (dist Uttara Kannada) 10, Kumta (dist Uttara Kannada) 10, Puttur Hms (dist Dakshina Kannada) 10, Udupi (dist Udupi) 9, Yellapur (dis Uttara Kannada) 9, Manchikere (dist Uttara Kannada) 8, Panambur Obsy (dist Dakshina Kannada) 8, Shirali Pto (dist Uttara Kannada) 8;
- ❖ **West Madhya Pradesh:** Harda (dist Harda) 22, Timarni (dist Harda) 20, Udainagar (dist Dewas) 15, Bhimpur (dist Betul) 14, Khategaon (dist Dewas) 13, Depalpur (dist Indore) 13, Indore (dist Indore) 9, Mhow (dist Indore) 9, Dewas-aws (dist Dewas) 8, Gautampura (dist Indore) 8, Garoth (dist Mandsaur) 7,
- ❖ **Konkan & Goa:-** Dapoli_agri (dist Ratnagiri) 22, Khalapur (dist Raigad) 20, Vasai (dist Palghar) 20, Mandangad (dist Ratnagiri) 19, Santacruz - Imd Obsy (dist Mumbai Suburban) 19, Pen (dist Raigad) 19, Lanja (dist Ratnagiri) 19, Palghar_agri (dist Palghar) 18, Tala (dist Raigad) 18, Ponda (dist North Goa) 17, Valpoi (dist North Goa) 17, Chiplun (dist Ratnagiri) 17, Matheran (dist Raigad) 16, Roha (dist Raigad) 15, Guhagarh (dist Ratnagiri) 15, Panvel_agri (dist Raigad) 15, Sudhagad Pali (dist Raigad) 15, Rajapur (dist Ratnagiri) 15, Dodamarg (dist Sindhudurg) 15, Sangameshwar Devrukh (dist Ratnagiri) 14, Murud (dist Raigad) 14, Thane (dist Thane) 14,

- Uran (dist Raigad) 14, Wakwali_agri (dist Ratnagiri) 14, Kalyan (dist Thane) 14, Tbia Imd Part Time (dist Thane) 13, Mhasla (dist Raigad) 13, Karjat_agri (dist Raigad) 12, Bhiwandi (dist Thane) 12, Ambarnath (dist Thane) 12, Poladpur (dist Raigad) 12, Dahanu - Imd Obsy (dist Palghar) 12, Harnai Imd Obsy (dist Ratnagiri) 11, Khed (dist Ratnagiri) 11, Kankavli (dist Sindhudurg) 11, Sanguem (dist South Goa) 11, Alibag - Imd Part Time (dist Raigad) 11, Mangaon (dist Raigad) 11, Kudal (dist Sindhudurg) 10, Vaibhavwadi (dist Sindhudurg) 10, Mahalaxmi_aws (dist Mumbai City) 10, Ulhasnagar (dist Thane) 10, Mahad (dist Raigad) 10, Shriwardhan (dist Raigad) 9, Sawantwadi (dist Sindhudurg) 9, Canacona (dist South Goa) 9, Ratnagiri - Imd Obsy (dist Ratnagiri) 9, Colaba - Imd Obsy (dist Mumbai City) 8, Mulde_ Agri (dist Sindhudurg) 8, Pernem (dist North Goa) 8, Rameshwar_agri (dist Sindhudurg) 7;
- ❖ **Madhya Maharashtra:** Mahabaleshwar- Imd Obsy (dist Satara) 21, Lonavala_agri (dist Pune) 17, Gaganbawada (dist Kolhapur) 15, Shahuwadi (dist Kolhapur) 12, Radhanagari (dist Kolhapur) 9, Chandgad (dist Kolhapur) 7;
 - ❖ **Gujarat Region:** Kadana (dist Mahisagar) 16, Olpad (dist Surat) 11, Himatanagar (dist Sabarkantha) 10, Fatepura (dist Dahod) 9, Umergam (dist Valsad) 7, Danta (dist Banaskantha) 7, Siddhpur (dist Patan) 7;
 - ❖ **Saurashtra & Kutch:** Sutrapada (dist Gir Somnath) 17, Kodinar (dist Gir Somnath) 16, Kalyanpur (dist Devbhoomi Dwarka) 15, Mangrol(j) (dist Junagadh) 12, Dwarka (dist Devbhoomi Dwarka) 12, Veraval (dist Gir Somnath) 12, Diu (dist Diu) 11, Ranavav (dist Porbandar) 10, Junagadh (dist Junagadh) 9, Okha (dist Devbhoomi Dwarka) 9, Kutiana (dist Porbandar) 9, Khambhalia (dist Devbhoomi Dwarka) 7;
 - ❖ **Telangana:** Nagarkurnool: Kalwakurthy-16, Vangoor-10, Nirmal: Laxmanchanda-9, Pedapalle: Pedapalle-9, Nalgonda: Nalgonda -8, Mancherla: Koatapalle-7; Jagtial: Metpalle-7;
 - ❖ **Kerala & Mahe:** Kasargod: Vellarikkundu-15, Maddikai-14, Hosdurg-13, Kudulu-7; Kannur: Chemberi-10, Aralam-7, Taliparamba-7; Kozhikode: Vadakara-7, Kozhikode-8, Wayanad: Padinjaraathara_Dam-10, Mananthavady-7, Idukki: Munnar-10, Mahe-7;
 - ❖ **South Interior Karnataka:** Koppa (dist Chikkamagaluru) 15, Bhagamandala (dist Kodagu) 14, Linganamakki Hms (dist Shivamogga) 12, Sringeri Hms (dist Chikkamagaluru) 11, Kottigehara (dist Chikkamagaluru) 10, Jayapura (dist Chikkamagaluru) 9;
 - ❖ **Assam & Meghalaya:** Dholai (dist Cachar) 15, Amraghat (dist Cachar) 11, Shella (dist East Khasi Hills) 8, Silchar (dist Cachar) 8, A P Ghat (dist Cachar) 7,
 - ❖ **Odisha:** Bargarh: Jharbandh-14, Cuttack: Mori-10,
 - ❖ **Punjab:** Anandpur Sahib (dist Rupnagar) 11;
 - ❖ **East Rajasthan:** Sajjangarh Sr (dist Banswara) 11, Bagidora Sr (dist Banswara) 9, Khushalgarh (dist Banswara) 9, Chikali Sr (dist Dungarpur) 8, Salumber (dist Udaipur) 7, Pachpahar Sr (dist Jhalawar) 7;
 - ❖ **North Interior Karnataka:** Londa (dist Belagavi) 10;
 - ❖ **Himachal Pradesh:** Bilaspur: Barthin-10, Shimla: Sunibhaji-9, Mandi: Baldwara-8;
 - ❖ **Sub-Himalayan West Bengal:** Darjeeling-Bagarkote-9;
 - ❖ **Uttarakhand:** Uttarkashi: Mori-10, Barkot-9, Bagheshwar: Loharkhet-9;
 - ❖ **Haryana-Chandigarh:** Chanigarh(dist Chandigarh) 10, Chandigarh Aws (dist Chandigarh) 9, Panchkula Aws (dist Panchkula) 8;
 - ❖ **Chhattisgarh:** Baloda (dist Janjgir) 7;

- ❖ **Taminadu, Puducherry & Karaikal:** Nilgiris: Upperbhavani-13, Coimbatore: Chinnakalar-12; Valparai PTO-10, Cincona-9, Valparai PAP-8;
- ❖ **Coastal Andhra Pradesh & Yanam:** Koyyalagudem (dist West Godavari) 9, Racherla (dist Prakasam) 9, Chintalapudi (dist West Godavari) 7, Jangamaheswarapuram (dist Guntur) 7, Komarada (dist Vizianagaram) 7;

Annexure II



EXPECTED IMPACT & ACTION SUGGESTED due to very heavy rainfall over

(i) West Rajasthan on 09th; East Rajasthan during 07th-09th; Himachal Pradesh & Uttarakhand on 08th & 09th; Vidarbha on 08th; Chhattisgarh on 07th & 08th; Kerala & Mahe and North Interior Karnataka on 06th; South Interior Karnataka, Telangana & Tamilnadu on 06th & 07th; Gujarat Region during 06th-10th; Saurashtra & Kutch on 06th, 07th & 10th & Coastal Karnataka on 07th & 08th July, 2022.

(ii) Due to isolated very heavy/extremely heavy rainfall over Saurashtra & Kutch on 08th & 09th; Gujarat Region on 08th; ghat areas of Madhya Maharashtra & Konkan & Goa during 06th-10th 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

