



Government of India
Ministry of Earth Sciences
India Meteorological Department

Press Release
Date: 05th July, 2022
Time of Issue: 1245 hrs IST

Subject: Active monsoon conditions over central India and along west coast during next 5 days and over Northwest India from 06th July 2022.

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

- **Extremely heavy rainfall** at isolated places occurred over Konkan & Goa, Madhya Maharashtra, **heavy to very heavy rainfall** at isolated places occurred over East Rajasthan, Vidarbha Madhya Pradesh, Odisha, Gujarat Region, Kerala & Mahe, Andaman & Nicobar Islands, Karnataka and **heavy rainfall** at isolated places over Uttarakhand, Chhattisgarh, Saurashtra & Kutch, Assam, West Rajasthan, Telangana, Tamilnadu, Puducherry & Karaikal 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 central parts of Madhya Pradesh & neighbourhood with the associated cyclonic circulation extending upto mid tropospheric levels tilting southwestwards with height.**
- **The monsoon trough is active and south of its normal position.**
- **An off-shore trough at mean sea level runs from Gujarat coast to Maharashtra coast.**
- **A cyclonic circulation lies over Northwest Bay of Bengal & neighbourhood extending upto mid tropospheric levels tilting southwestwards with height.**
- **Under their influence;**
 - Fairly widespread/widespread rainfall with **thunderstorm/lightning** very likely over Gujarat State, Konkan & Goa, Madhya Maharashtra, Marathwada, Telangana, Coastal Karnataka, Kerala & Mahe, Madhya Pradesh, Vidarbha, Chhattisgarh and Odisha during next 5 days.
 - Isolated **heavy rainfall** very likely over Telangana on 05th, 08th & 09th; Marathwada during 05th-08th; Coastal Karnataka during 07th-09th; South Interior Karnataka & Kerala & Mahe during 06th-09th; Odisha during 06th-08th and over East Madhya Pradesh during 05th-09th July, 2022.
 - Isolated **heavy to very heavy rainfall** likely over Gujarat region on 06th, 07th & 09th; Saurashtra & Kutch during 05th-08th; Konkan & Goa & Madhya Maharashtra on 09th; Coastal Karnataka on 05th & 06th; South Interior Karnataka on 05th; Kerala & Mahe on 05th; West Madhya Pradesh on 05th & 08th; Vidarbha on 05th, 08th & 09th; Chhattisgarh on 07th & 08th and over Odisha on 05th & 09th July, 2022.
 - Scattered **heavy to very heavy rainfall** with isolated **extremely heavy rainfall** also likely over Konkan & Goa during 05th-08th and isolated **extremely heavy rainfall** likely over south Gujarat Region on 05th & 08th and over ghat areas of Madhya Maharashtra during 05th-08th July, 2022.

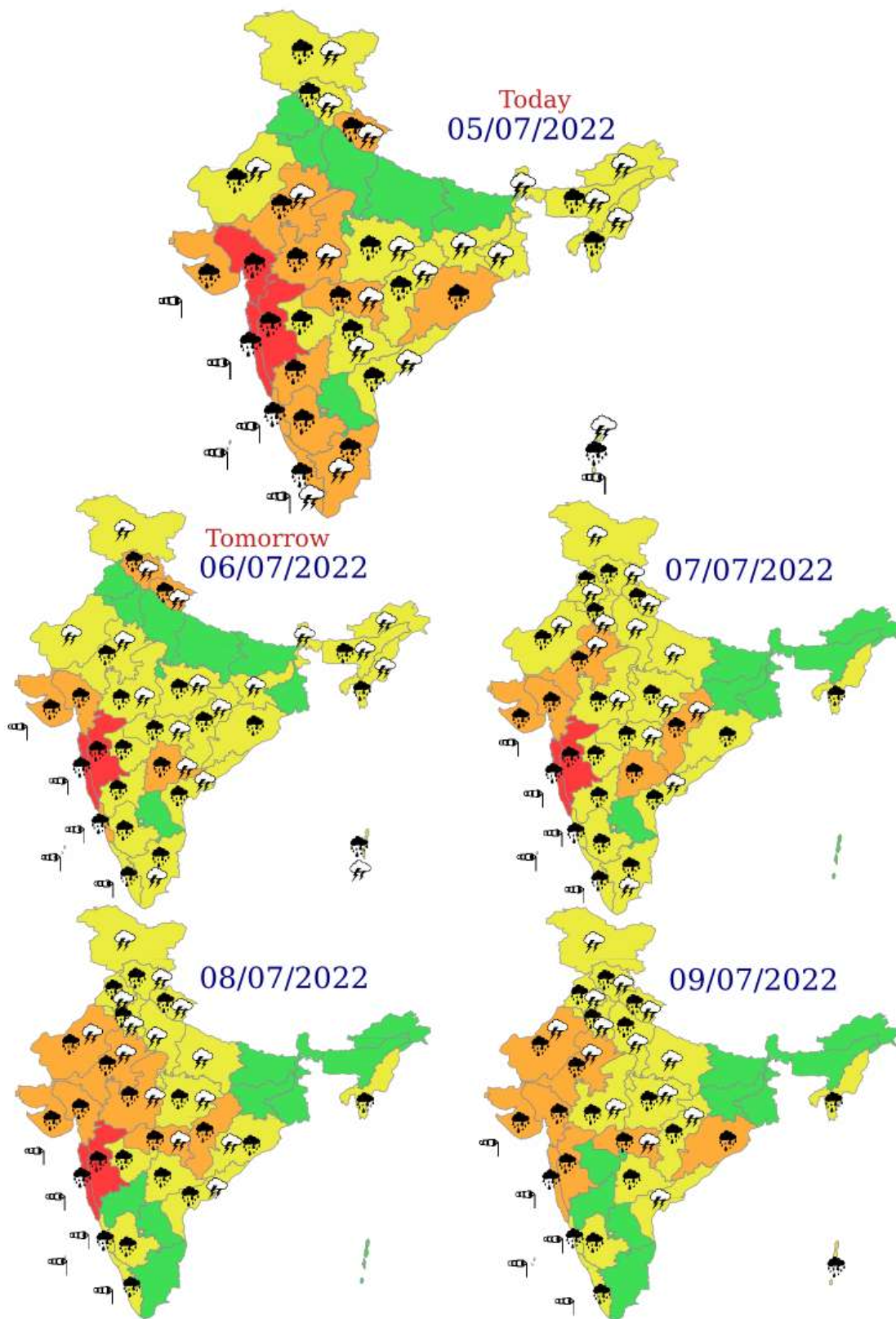
- Scattered/fairly widespread rainfall with **thunderstorm/lightning** very likely over Coastal Andhra Pradesh & Yanam and isolated/scattered rainfall activity over Tamil Nadu, Puducherry & Karaikal during next 5 days with isolated **heavy rainfall** likely over Coastal Andhra Pradesh & Yanam during 05th-08th and over Tamil Nadu, Puducherry & Karaikal on 06th & 07th. Isolated **heavy to very heavy rainfall** also likely over Tamil Nadu, Puducherry & Karaikal on 05th July, 2022.
- Fairly widespread/widespread rainfall with isolated **thunderstorm/lightning** very likely over Jammu & Kashmir, Ladakh, Gilgit, Baltistan & Muzaffarabad, Uttarakhand and Himachal Pradesh during next 5 days and isolated **heavy rainfall** likely over Jammu & Kashmir, Ladakh, Gilgit, Baltistan & Muzaffarabad on 05th; Himachal Pradesh on 05th, 07th-09th & Uttarakhand during 07th-19th July, 2022.
- Isolated **heavy to very heavy rainfall** also likely over Himachal Pradesh on 06th and over Uttarakhand on 05th & 06th July, 2022.
- Isolated/scattered rainfall activity very likely over Uttar Pradesh during next 5 days and over Punjab, Haryana, Chandigarh-Delhi and Rajasthan during next 48 hours and fairly widespread to widespread rainfall activity with isolated **thunderstorm/lightning** likely over the region during 07th-09th July, 2022.
- Isolated **heavy rainfall** likely over Punjab, Haryana, Chandigarh - Delhi during 07th-09th; West Uttar Pradesh on 09th; East Rajasthan on 06th and over West Rajasthan on 05th & 07th July, 2022. Isolated **heavy to very heavy rainfall** also likely over West Rajasthan on 08th & 09th and over East Rajasthan on 05th & during 07th-09th July, 2022.

Annexure I

Rainfall (in cm):

- ❖ **Konkan & Goa:-** Lanja (dist Ratnagiri) 34, Tala (dist Raigad) 25, Mangaon (dist Raigad) 23, Vaibhavwadi (dist Sindhudurg) 23, Malvan (dist Sindhudurg) 23, Sanguem (dist South Goa) 22, Sangameshwar Devrukh (dist Ratnagiri) 21, Mandangad (dist Ratnagiri) 21, Vengurla - Imd Pt (dist Sindhudurg) 20, Mapusa (dist North Goa) 19, Kalyan (dist Thane) 19, Ambernath (dist Thane) 19, Palghar_agri (dist Palghar) 19, Mahad (dist Raigad) 19, Sawantwadi (dist Sindhudurg) 19, Tbia Imd Part Time (dist Thane) 18, Ulhasnagar (dist Thane) 17, Panvel_agri (dist Raigad) 17, Chiplun (dist Ratnagiri) 17, Poladpur (dist Raigad) 17, Kudal (dist Sindhudurg) 17, Thane (dist Thane) 17, Bhiwandi (dist Thane) 16, Valpoi (dist North Goa) 16, Dabolim N.a.s.- Navy (dist South Goa) 16, Pernem (dist North Goa) 15, Quepem (dist South Goa) 15, Margao (dist South Goa) 15, Canacona (dist South Goa) 15, Uran (dist Raigad) 15, Dapoli_agri (dist Ratnagiri) 15, Dahanu - Imd Obsy (dist Palghar) 15, Dodamarg (dist Sindhudurg) 14, Pen (dist Raigad) 14, Khalapur (dist Raigad) 13, Sudhagad Pali (dist Raigad) 13, Mormugao - Pmo Imd (dist South Goa) 13, Mhasla (dist Raigad) 13, Ponda (dist North Goa) 13, Panjim - Imd Obsy (dist North Goa) 13, Santacruz - Imd Obsy (dist Mumbai Suburban) 12, Rajapur (dist Ratnagiri) 12, Matheran (dist Raigad) 12, Wakwali_agri (dist Ratnagiri) 12, Talasari (dist Palghar) 12, Mulde_ Agri (dist Sindhudurg) 12, Colaba - Imd Obsy (dist Mumbai City) 12, Murud (dist Raigad) 12, Kankavli (dist Sindhudurg) 11, Harnai Imd Obsy (dist Ratnagiri) 11, Vasai (dist Palghar) 11, Roha (dist Raigad) 11, Ratnagiri - Imd Obsy (dist Ratnagiri) 11, Karjat_agri (dist Raigad) 10, Alibag - Imd Part Time (dist Raigad) 10, Shriwardhan (dist Raigad) 8, Guhagarh (dist Ratnagiri) 8, Mahalaxmi_aws (dist Mumbai City) 7,

- ❖ **Madhya Maharashtra:** Gaganbawada (dist Kolhapur) 26, Mahabaleshwar- Imd Obsy (dist Satara) 15, Radhanagari (dist Kolhapur) 11, Shahuwadi (dist Kolhapur) 9, Harsul - Fmo (dist Nashik) 8, Lonavala_agri (dist Pune) 8, Igatpuri (dist Nashik) 7, Chandgad (dist Kolhapur) 7, Velhe (dist Pune) 7, Panhala (dist Kolhapur) 7;
- ❖ **Gujarat Region:** Daman: Daman Fmo (dist) 19, Daman (dist Daman) 19, Daman_arg (dist Daman) 19, Vapi (dist Valsad) 16, Umergam (dist Valsad) 16, Pardi (dist Valsad) 13, Valsad_ Kvk Aws (dist Valsad) 12, Palsana (dist Surat) 12, Choryasi (dist Surat) 11, Silvassa (dist Dadara & Nagar Haveli) 10, Madhbun (dist Dadara & Nagar Haveli) 8, Jalalpor (dist Navsari) 8, Navasari_aws (dist Navsari) 7, Khergam (dist Navsari) 7;
- ❖ **Saurashtra & Kutch:** Khambhalia (dist Devbhoomi Dwarka) 9, Khambha (dist Amreli) 9, Savarkundla (dist Amreli) 8, Kandla New (dist Kutch) 8, Naliya (dist Kutch) 7, Mundra (dist Kutch) 7, Abdasa (dist Kutch) 7;
- ❖ **Andaman & Nicobar Islands:** Long Island-13;
- ❖ **Uttarakhand:** Garhwal Pauri: Kotdwar-10;
- ❖ **East Rajasthan:** Aspur (dist Dungarpur) 12, Sabla Sr (dist Dungarpur) 7;
- ❖ **Odisha:** Ganjam-13;
- ❖ **Vidarbha:** Korchi (dist Gadchiroli) 15, Sadakarjuni (dist Gondia) 15, Tirora (dist Gondia) 14, Tiwsa (dist Amraoti) 13, Sakoli (dist Bhandara) 13, Arvi (dist Wardha) 12, Saoner (dist Nagpur) 11, Goregaon (dist Gondia) 11, Kurkheda (dist Gadchiroli) 10, Morsi (dist Amraoti) 9, Deoli (dist Wardha) 9, Ramtek (dist Nagpur) 8, Gondia (dist Gondia) 8, Perseoni (dist Nagpur) 8, Mohadi (dist Bhandara) 7, Dhamangaon Rlwy (dist Amraoti) 7, Armori (dist Gadchiroli) 7, Selu (dist Wardha) 7, Amraoti (dist Amraoti) 7, Gondia Ap (dist Gondia) 7,
- ❖ **Telangana:** Jagtial: Metpalle-7;
- ❖ **West Rajasthan:** Fatehgarh (dist Jaisalmer) 7;
- ❖ **Kerala & Mahe:** **Kasargod:** Kudulu-13, Hosdurg-7; **Kannur:** Peringome-11, Aralam-9, Taliparamba-8, Irikkur-7; **Palakkad:** Ottappalam-8, **Kozhikode:** Kozhikode-8, **Wayanad:** Mananthavady-7, **Thrissur:** Kodungallur-7, **Idukki:** Munnar-7,
- ❖ **West Madhya Pradesh:** Timarni (dist Harda) 13, Bairagarh Airport (dist Bhopal) 12, Kolar (dist Bhopal) 12, Godadongri (dist Betul) 11, Rehti (dist Sehore) 11, Shahpur (dist Betul) 11, Shyampur (dist Sehore) 9, Moman Badodiya (dist Shajapur) 9, Bhopal Arera Hills (dist Bhopal) 8, Navibagh Aet (dist Bhopal) 8, Seoni Malwa (dist Narmadapuram) 7, Narsingarh (dist Rajgarh) 7, Babai (makhan Nagar) (dist Narmadapuram) 7, Nateran (dist Vidisha) 7,;
- ❖ **Chhattisgarh:** Mohla (dist Rajnandgaon) 11, Manpur (dist Rajnandgaon) 8, Pakhanjur (dist Kanker) 7;
- ❖ **Taminadu, Puducherry & Karaikal:** **Coimbatore:** Chinnakalar-8;
- ❖ **East Madhya Pradesh:** Sausar (dist Chindwara) 12, Pandhurna (dist Chindwara) 8, Katangi (dist Balaghat) 8;
- ❖ **Coastal Andhra Pradesh & Yanam:** **West Godavari:** Koyyalagudem-8,
- ❖ **Assam:** North Lakhimpur-7,



EXPECTED IMPACT & ACTION SUGGESTED due to very heavy rainfall over

(i) West Rajasthan on 08th& 09th; East Rajasthan during 05th-09th; Himachal Pradesh on 06th; Uttarakhand on 05th & 06th; West Madhya Pradesh on 05th & 08th; Vidarbha on 05th; 08th & 09th; Chhattisgarh on 07th & 08th; Odisha on 05th & 09th; North Interior Karnataka & Tamilnadu during 05th-07th; Saurashtra & Kutch on 05th, 07th & 08th; Telangana, South Interior Karnataka, Kerala & Mahe & Coastal Karnataka during 05th-09th July, 2022.

(ii) **Due to isolated very heavy/extremely heavy rainfall** over Saurashtra & Kutch on 09th; Gujarat Region, ghat areas of Madhya Maharashtra & Konkan & Goa during 05th-08th 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

