



Government of India
Ministry of Earth Sciences
India Meteorological Department

Press Release
Date: 09th July, 2022
Time of Issue: 1315 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 on 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 Telangana, Coastal Andhra Pradesh & Yanam, Gujarat State; **heavy to very heavy rainfall** at isolated places occurred over Uttarakhand, East Uttar Pradesh, Odisha, Konkan & Goa, Marathwada, Madhya Maharashtra, Chhattisgarh, Vidarbha, Madhya Pradesh, Kerala & Mahe, Coastal & South Interior Karnataka and **heavy rainfall** at isolated places over East Rajasthan, Sub-Himalayan West Bengal, Assam, Himachal Pradesh and Tamilnadu. (**Annexure I**)

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

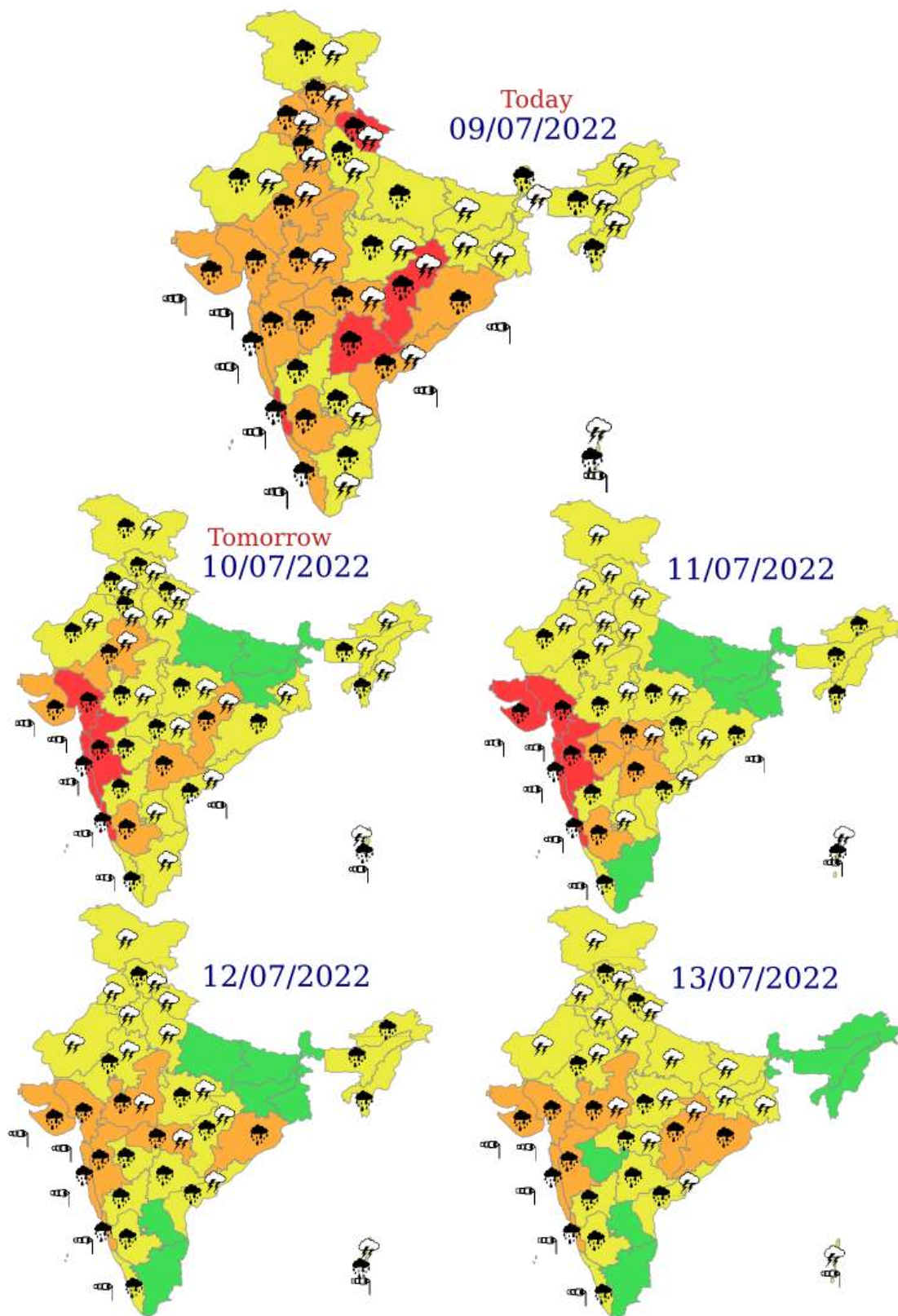
- A **Low Pressure Area** has formed over Odisha & neighbourhood with the associated cyclonic circulation extending upto upper tropospheric levels tilting southwestwards with height.
- The monsoon trough is active and south of its normal position. Its western end is likely to shift north of its normal position during next 24 hours.
- An east-west shear zone runs roughly along 20°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.
- **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 & Madhya Maharashtra on 09th; Saurashtra & Kutch on 09th & 10th; Marathawada on 09th & 11th; Coastal Karnataka on 12th & 13th; Kerala & Mahe, Konkan & Goa & Coastal Andhra Pradesh & Yanam on 09th; Telangana on 10th & 11th; South Interior Karnataka during 09th-11th; West Madhya Pradesh and Odisha on 09th, 12th & 13th; 10th; Vidarbha on 09th, 11th & 12th and over Chhattisgarh on 10th & 13th July, 2022.
 - **Scattered heavy to very heavy rainfall with isolated extremely heavy rainfall** also likely over Telangana on 09th; Gujarat Region on 11th; Saurashtra & Kutch on 12th & 13th; Konkan & Goa on 11th & 12th and over Coastal Karnataka during 09th-11th and **isolated extremely heavy rainfall** likely over Chhattisgarh on 09th; Konkan & Goa on 10th; Saurashtra & Kutch on 11th; Gujarat Region 10th, 12th & 13th and over Madhya Maharashtra during 10th-13th 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 09th July, 2022.
- Fairly widespread to widespread rainfall & isolated **thunderstorm/lightning** during next 5 days with:
 - Isolated **heavy rainfall** very likely over Jammu & Kashmir on 09th & 10th; Himachal Pradesh on 10th, 12th & 13th and over Uttarakhand on 10th & 13th July, 2022.
 - **Isolated heavy to very heavy rainfall** likely over Himachal Pradesh on 09th July, 2022. **Isolated extremely heavy rainfall** also likely over Uttarakhand on 09th July, 2022.
- Scattered/fairly rainfall activity with isolated **thunderstorm/lightning** very likely Punjab, Haryana, Chandigarh and Rajasthan and isolated/scattered over Uttar Pradesh during next 5 days.
 - Isolated **heavy rainfall** likely over Punjab & Haryana-Chandigarh on 10th; north Uttar Pradesh on 10th; West Rajasthan during 09th-11th and over East Rajasthan during 11th-13th July, 2022.
 - **Isolated heavy to very heavy rainfall** also likely over Punjab & Haryana-Chandigarh on 09th and over East Rajasthan on 09th & 10th July, 2022.

Rainfall (in cm):

- ❖ **Saurashtra & Kutch:** Lakhpat (dist Kutch) 28, Nakhatrana (dist Kutch) 18, Jodia (dist Jamnagar) 16, Kalyanpur (dist Devbhoomi Dwarka) 14, Visavadar (dist Junagadh) 13, Khambhalia (dist Devbhoomi Dwarka) 12;
- ❖ **Telangana:** Navipet (dist Nizamabad) 23, Bheemgal (dist Nizamabad) 16, Armur (dist Nizamabad) 16, Dich Palle (dist Nizamabad) 15, Nandipet (dist Nizamabad) 15, Kammar Palle (dist Nizamabad) 13, Armoor(arg) (dist Nizamabad) 13;
- ❖ **Gujarat Region:** Kaprada (dist Valsad) 22, Dharampur (dist Valsad) 19, Vyara (dist Tapi) 19, Vansda (dist Navsari) 19, Mahuva (dist Surat) 17, Dolvan (dist Tapi) 16, Chikhli (dist Navsari) 15, Valod (dist Tapi) 15, Dang_kvK Aws (dist Dangs) 13;
- ❖ **Coastal Andhra Pradesh & Yanam:** Merakamudidam (dist Vizianagaram) 22, Garividi (dist Vizianagaram) 17, Ranastalam (dist Srikakulam) 14, Cheepurupalle (dist Vizianagaram) 13, Therlam (dist Vizianagaram) 12, Balajipeta (dist Vizianagaram) 8;
- ❖ **Coastal Karnataka:** Mulki (dist Dakshina Kannada) 19, Karkala (dist Udupi) 15, Kota (dist Udupi) 14, Siddapura (dist Udupi) 13, Castle Rock (dist Uttara Kannada) 11;
- ❖ **Uttarakhand:** Bagheshwar: Loharkhet-19, Sama-16, Kapkot-7, Nainital: haldwani-15, Garhwal Tehri: Dhanaulti-14;
- ❖ **Madhya Maharashtra:** Peth (dist Nashik) 18, Mahabaleshwar- Imd Obsy (dist Satara) 15, Harsul - Fmo (dist Nashik) 13, Lonavala_agri (dist Pune) 11, Trimbakshwar (dist Nashik) 9;
- ❖ **Konkan & Goa:-** Sawantwadi (dist Sindhudurg) 15, Kankavli (dist Sindhudurg) 14, Vaibhavwadi (dist Sindhudurg) 14, Dodamarg (dist Sindhudurg) 13, Jawhar (dist Palghar) 13, Sanguem (dist South Goa) 13, Mokheda - Fmo (dist Palghar) 13, Quepem (dist South Goa) 12;
- ❖ **South Interior Karnataka:** Sringeri Hms (dist Chikkamagaluru) 14, Bhagamandala (dist Kodagu) 11, Jayapura (dist Chikkamagaluru) 11, Napoklu (dist Kodagu) 7;
- ❖ **Marathwada:** Ardhapur (dist Nanded) 14, Mudkhed (dist Nanded) 14, Nanded - Imd Parttime (dist Nanded) 12, Hadgaon (dist Nanded) 10, Bhokar (dist Nanded) 9, Parbhani - Imd Obsy (dist Parbhani) 9;
- ❖ **West Madhya Pradesh:** Udaipura (dist Raisen) 14, Salwani (dist Raisen) 11, Sohagpur (dist Narmadapuram) 7, Badi (dist Raisen) 7;
- ❖ **Odisha:** Nawrangpur: Kosagumda-14, Umakote-10, Koraput: Koraput-11, Kotpad-9, Gajpati: Mohana-9;
- ❖ **East Uttar Pradesh: Kheri:** Dhaurahara-14;
- ❖ **Vidarbha:** Bhamragad (dist Gadchiroli) 14;
- ❖ **Kerala & Mahe:** Kasargod: Padannakkad-13, Kudulu-12, Vellarikkundu-10, Hosdurg-11, Kannur: Chemberi-11, Peringome-15, Aralam-12, Irikkur-11, Taliparamba-11; Kozhikode: Kakkayam-11, Vadakara-7, Wayanad: Padinjarathara_Dam-8, Idukki: Udumbannoor-7, Idukki-7, Mahe-7;
- ❖ **East Madhya Pradesh:** Garhakota (dist Sagar) 12, Harrai (dist Chindwara) 8, Narayanganj (dist Mandla) 7;

- ❖ **Chhattisgarh:** Bijapur (dist Bijapur) 12, Charama (dist Kanker) 8, Pharasgaon (dist Kondagaon) 7, Bastar (dist Bastar) 7;
- ❖ **Sub-Himalayan West Bengal:** Jalpaiguri: Neora-11, Gajoldoba-10, Darjeeling: Champasari-8; Kalimpong: Rongo-7;
- ❖ **Assam:** Baksa: Mushalpur(Aws)-9, Goibergaon-8, Barpeta: Hazuwa-8, Tamulpur: Motunga-7;
- ❖ **Taminadu, Puducherry & Karaikal:** Avalanche (dist Nilgiris) 8, Valparai Pto (dist Coimbatore) , Upper Bhavani (dist Nilgiris), Chinnakalar (dist Coimbatore), Taluk Office Pandalur (dist Nilgiris) 7 each;
- ❖ **East Rajasthan:** Bhilwara: Bhilwara-8;
- ❖ **Himachal Pradesh:** Sirmaur: Nahan-7;



EXPECTED IMPACT & ACTION SUGGESTED due to very heavy rainfall over

(i) Punjab, Haryana, Chandigarh, Himachal Pradesh and Kerala & Mahe on 09th & East Rajasthan on 09th & 10th; Odisha and West Madhya Pradesh on 09th, 12th & 13th; Vidarbha on 09th, 11th & 12th; Chhattisgarh on 10th & 13th; Telangana on 10th & 11th; Madhya Maharashtra, Gujarat region and Coastal Andhra Pradesh on 09th; Saurashtra & Kutch and South Interior Karnataka on 09th & 10th ; Coastal Karnataka on 12th & 13th July, 2022.

(ii) Due to isolated extremely heavy rainfall over Telangana, Chhattisgarh & Uttarakhand on 09th; Coastal Karnataka during 09th-11th; Madhya Maharashtra, Gujarat Region & Konkan & Goa during 10th-13th; Saurashtra & Kutch during 11th-13th 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

