



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

**Press Release
Date: 21st June, 2022
Time of Issue: 1230 hrs IST**

Subject: Intense spell of rainfall very likely to continue along west coast during next 5 days.

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

- Isolated **extremely heavy rainfall** occurred over Sub-Himalayan West Bengal, Assam & Meghalaya, Gujarat Region, Konkan & Goa; **very heavy rainfall** over Bihar, Sikkim, Coastal Andhra Pradesh, Telangana and **heavy rainfall** over West Rajasthan, Coastal Karnataka, Tamilnadu, Kerala, Chhattisgarh, Gangetic West Bengal, Odisha, Vidarbha and Madhya Pradesh. (**Annexure I**)

Advance of Southwest Monsoon:

- The Northern Limit of Monsoon (NLM) continues to pass through Lat. 22°N/ Long. 60°E, Lat. 22°N/ Long. 65°E, Porbandar, Baroda, Shivpuri, Rewa, Churk, 27.0°N/84°E.

Rainfall/thunderstorm Forecast & Warnings:

- Under the influence of off shore trough & strong westerly winds along the west coast in lower tropospheric levels:
 - Fairly widespread/ widespread rainfall with **thunderstorm/lightning** very likely over Karnataka, Konkan & Goa, Kerala & Mahe and Lakshadweep and scattered to fairly widespread rainfall likely over Madhya Maharashtra, Marathwada, Andhra Pradesh & Yanam, Telangana and Tamilnadu, Puducherry & Karaikal during next 5 days.
 - Isolated **heavy rainfall** very likely over Konkan & Goa, Coastal & South Interior Karnataka and Gujarat Region during next 5 days; ghat areas of Madhya Maharashtra during 22nd-25th; Kerala on 21st, 24th & 25th; North Interior Karnataka during 23rd-25th; Saurashtra on 25th, Coastal Andhra Pradesh & Telangana during 21st & 22nd June, 2022. Isolated **Very heavy rainfall** also likely over Konkan & Goa during next 5 days; over coastal Karnataka during 21st-24th June.
- Under the influence of Western Disturbance at middle tropospheric levels and strong southwesterly winds from Arabian Sea to northwest India at lower tropospheric levels:
 - Fairly widespread to widespread rainfall with **thunderstorm/lightning** very likely to continue over Western Himalayan region (Jammu, Kashmir, Ladakh, Gilgit- Baltistan & Muzaffarabad, Himachal Pradesh, Uttarakhand); scattered to fairly widespread rainfall over adjoining plains (Punjab, Haryana, Chandigarh & Delhi, Uttar Pradesh & Rajasthan) during next 24 hours and reduce thereafter.
 - Isolated **heavy rainfall** likely over northwest Rajasthan, Jammu & Kashmir, Himachal Pradesh & Punjab on 21st June. Isolated **hailstorm** also likely over Uttarakhand today.

- Scattered to fairly widespread rainfall with **thunderstorm/lightning** very likely over Madhya Pradesh, Vidarbha and Chhattisgarh during next 5 days. Isolated **heavy rainfall** very likely over West Madhya Pradesh on 21st; East Madhya Pradesh, Vidarbha & Chhattisgarh during 21st-25th June.
- Under the influence of southerly/southwesterly winds from Bay of Bengal to Northeast & adjoining East India:
 - Widespread rainfall very likely over Northeast India and Sub-Himalayan West Bengal & Sikkim during next 5 days. Isolated **heavy rainfall** likely to continue over Assam & Meghalaya and Sub-Himalayan West Bengal & Sikkim during next 5 days and over Arunachal Pradesh & Nagaland, Manipur, Mizoram & Tripura during 23rd-25th June.
 - Fairly widespread to widespread rainfall with **thunderstorm/lightning** very likely to continue over Bihar, Jharkhand, Odisha and Gangetic West Bengal during next 5 days. Isolated **heavy rainfall** likely over Gangetic West Bengal on 21st, Bihar & Jharkhand during 23rd-25th and over Odisha during 21st-25th June, 2022.

Multi-hazard warning is given in annexure III

Rainfall (In Cm):

Sub Himalayan West Bengal & Sikkim:- Jalpaiguri: Neora-28, Murti-21, Gajoldoba-11, Nagarkata-20 each , West Siikim: Soreng, Yuksom-12 each

Assam & Meghlaya:- East Khasi Hills: Mawsynram-25, Cherrapunji-12,

Gujarat Region: Valsad: Umergam-25, Nanipalson-13, Pardi-8, Valsad, Vapi -7 each, Daman: Daman-10, Narmada: Garudeshwar- 9, Narmada: Tilakwada-7, (dist Valsad) 7, Surat: Surat-7,

Konkan & Goa:- Palghar: Palghar- 21, Dahanu -13, Talasari-7, South Goa: Mormugao, Dabolim -7 each, Raigad: Mhasla- 7, Ratnagiri: Guhagarh- 7, Sindhudurg: Vengurla -7,

West Rajasthan: Bikaner: Dungargarh-11,

Tamil Nadu:- Ranipet: Arakonam-7, Tiruvallur: Poondi, Red Hills, Thiruvalangadu-7 each, Vellore: Poonai-7, Villupuram: Marakkanam-7

Kerala: Wayanad: Pookkot-7

Telangana: Kumaram Bheem: Kagaznagar-12, Asifabad-8, Jagtial: Sarngapur-12, Dharmapuri, Jagtial-9 each, Mancherial: Bheemini-11, Malkajgiri: Dindigul-9, Karimnagar: Chigurumamidy-9, Adilabad: Utnur-7, Kothagudem: Manuguru-7, Kamareddy: Pitlam-7

Coastal Karnataka: Dakshina Kannada: Mangaluru, Panambur-7 each, Udupi: Udupi-9, Kota-7, Uttara Kannada: Manki-10, Honavar-8

Coastal Andhra Pradesh: Vizianagaram: Therlam-12, Merakamudidam-11, Srikakulam: Tekkali-11,

East Madhya Pradesh:- Seoni: Chhapara-8, Balaghat: Paraswada- 7,

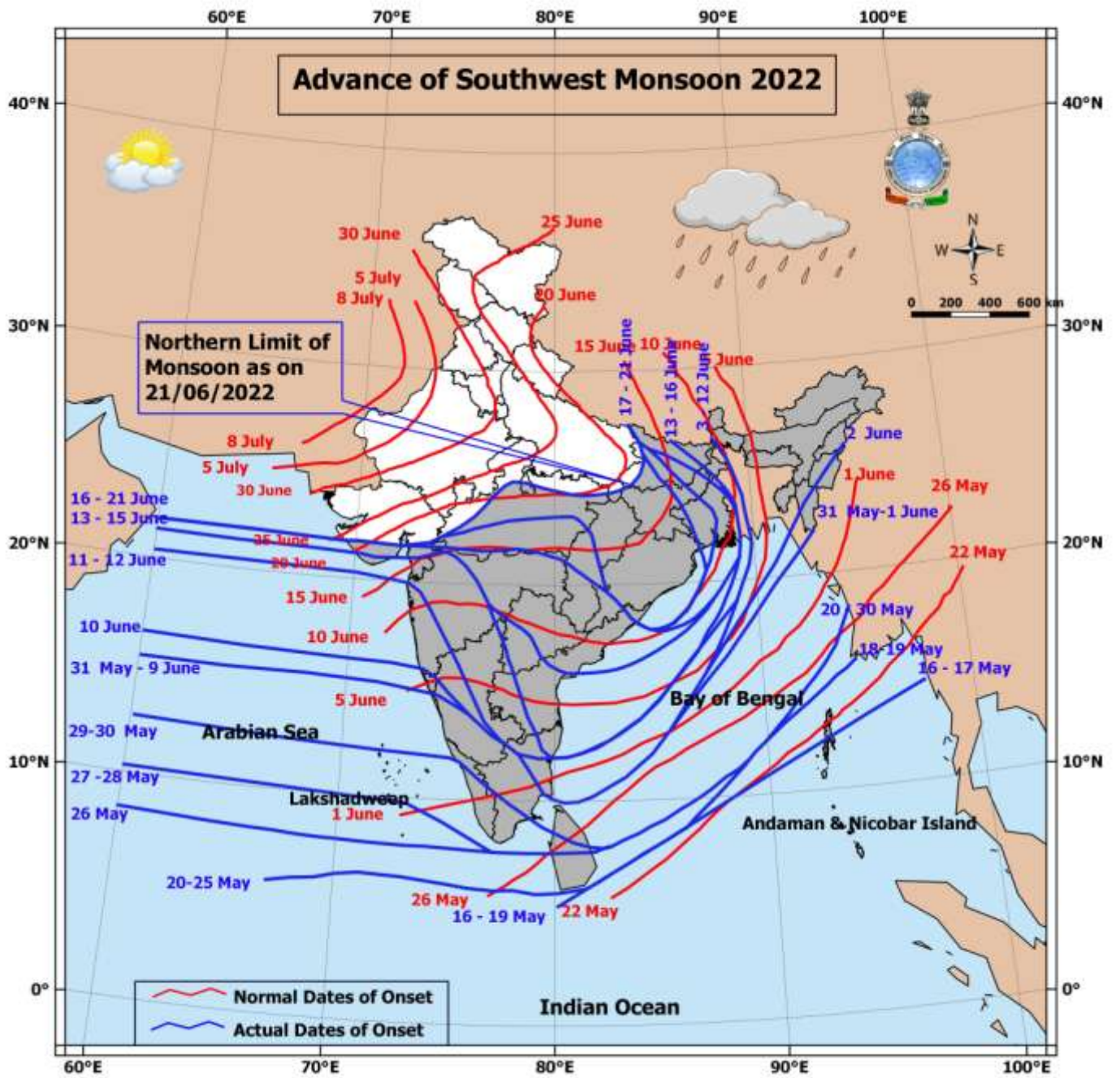
West Madhya Pradesh:- Raisen: Goharganj- 8,Ujjain: Nagda- 8, Rajgarh: Pachore- 8,

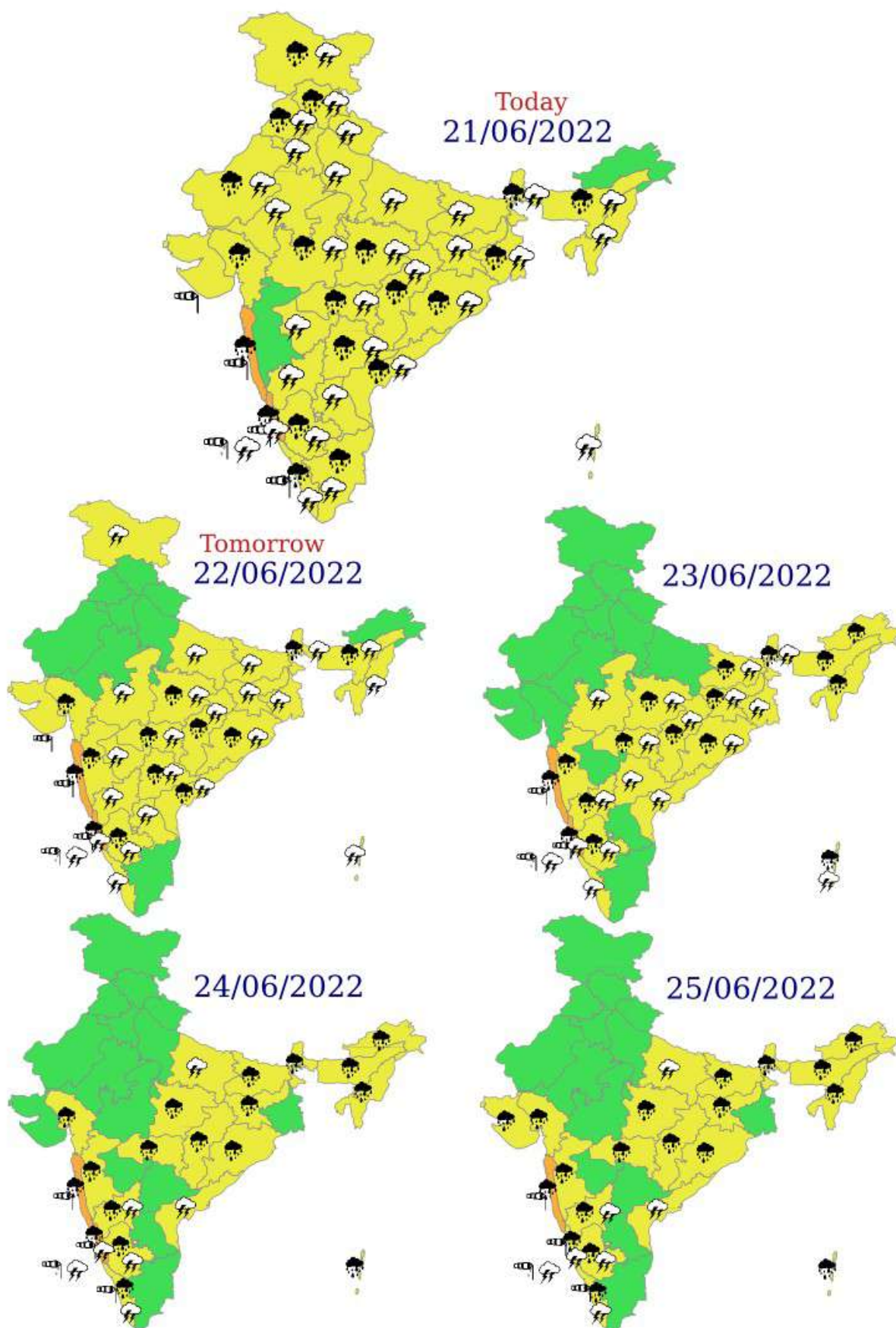
Vidarbha: Chandrapur: Mul- 7,

Chhattisgarh: Bijapur: Usoor-11, Bastar: Bastanar- 8, Dantewada: Katekalyan, Kuakonda, Gidam- 7 each,

Odisha: Boudhgarh: Boudhgarh-11, Angul: Rajkishorenagar-7

Bihar: Taibpur-17, Thakurganj-13, Muzaffarpur-7





EXPECTED IMPACT & ACTION SUGGESTED due to very heavy rainfall over Konkan & Goa during next 5 days.

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)



Heavy Rain



Strong Winds

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



Thunderstorm with Lightning



Heat Wave