



Government of India
Ministry of Earth Sciences
India Meteorological Department

Press Release
Date: 20th June, 2022
Time of Issue: 1300 hrs IST

Subject:

i) Southwest Monsoon has further advanced into most parts Madhya Pradesh, remaining parts of Chhattisgarh and Coastal Andhra Pradesh, remaining parts of northwest Bay of Bengal, entire Odisha and Gangetic West Bengal, most parts of Jharkhand and Bihar, some parts of southeast Uttar Pradesh today, the 20th June, 2022.

ii) Intense spell of rainfall along west coast during next 5 days.

iii) Thunderstorm activity accompanied by isolated heavy showers likely to continue over North, Central & East India during next 2 days.

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

- Isolated **very heavy rainfall** occurred over Assam & Meghalaya, Sub-Himalayan West Bengal, Tripura, East Madhya Pradesh, Odisha, Tamilnadu and **heavy rainfall** over Rajasthan, Sikkim, Coastal & South Interior Karnataka, Telangana, Coastal Andhra Pradesh, Rayalaseema, Konkan & Goa, Gujarat state, Chhattisgarh, Bihar and West Madhya Pradesh. (**Annexure I**)

Advance of Southwest Monsoon:

- Southwest Monsoon has further advanced into most parts Madhya Pradesh, remaining parts of Chhattisgarh and Coastal Andhra Pradesh, remaining parts of northwest Bay of Bengal, entire Odisha and Gangetic West Bengal, most parts of Jharkhand and Bihar, some parts of southeast Uttar Pradesh today, the 20th June, 2022.
- The Northern Limit of Monsoon (NLM) now passes 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 and a trough from south Chhattisgarh to south Coastal Andhra Pradesh 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, ghat areas of Madhya Maharashtra, Kerala & Mahe, Coastal & South Interior Karnataka and Gujarat Region during next 5 days; North Interior Karnataka, Saurashtra on 23rd & 24th, Coastal Andhra Pradesh during 20th-22nd and over Telangana & Rayalaseema on 20th & 21st June, 2022. Isolated **Very heavy rainfall** also likely over Konkan & Goa during next 5 days; over coastal Karnataka on 22nd & 23rd June.

- Under the influence of Western Disturbance at middle tropospheric levels and 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 2 days and reduce thereafter.
 - Isolated **heavy rainfall** likely over East Rajasthan on 20th, West Rajasthan, Jammu & Kashmir on 20th & 21st and over Himachal Pradesh & Punjab on 21st June.
 - 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 20th; East Madhya Pradesh on 20th & 21st; Vidarbha during 21st-24th and over Chhattisgarh during 20th-24th 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 during next 5 days and over Arunachal Pradesh & Nagaland, Manipur, Mizoram & Tripura on 20th, 23rd & 24th June.
 - Fairly widespread to widespread rainfall with **thunderstorm/lightning** very likely over Bihar, Jharkhand, Odisha and Gangetic West Bengal during next 5 days. Isolated **heavy rainfall** likely over Bihar on 20th & 24th; Jharkhand during 22nd-24th; Gangetic West Bengal on 21st & 24th and over Odisha during 20th-24th June, 2022.

Maximum Temperature forecast and Heat wave warnings:

- No significant change in maximum temperatures very likely over most parts of Northwest India during next 2 days and rise by 2-3°C thereafter.
- No significant change in maximum temperatures very likely over rest parts of the country during next 5 days.

Multi-hazard warning is given in annexure III

Rainfall (In Cm):

Tripura: Gomati: Amarpur-18, South Tripura: Belonia-12, West Tripura: Arundhutinagar-10

Sub Himalayan West Bengal & Sikkim:- Jalpaiguri: Neora-17, Gajoldoba-11, Nagarkata, Kumargram-10 each , North Sikkim: Sankalan-11, Singhik, Mangan-8 each, Darzeeling: Sevoke-10, Chmapasari-9,

Assam & Meghalaya:- East Khasi Hills: Cherrapunji, Shella-12 each , East Jaintia Hills: Khliehriat-7, Lakhimpur: Chauldhowaghat -7 , West Garo Hills: Tura-7

West Rajasthan: Nagaur: Makrana-8,

East Rajasthan:- Baran: Baran-7, Jaipur: Sambhar-7, Sikar: Srimadhampur-7,

Tamil Nadu, Puducherry & Karaikal:- Chengalpattu: West Tambaram -13, Chennai: Taramani-11, Alandur, Anna University, DGP Office, Chennai-9 each, Nungambakkam, Ambathur-8 each, Tiruvallur: Jamine Koratur-11, Kancheepuram: Kattapakkam-10, Ranipet: Arakkonam-7,

Coastal Karnataka: Dakshina Kannada: Dharmasthala-11,

South Interior Karnataka: Kolar: Kolar 8,

Coastal Andhra Pradesh: West Godavari: Koyyalagudem- 9,

Rayalaseema: Anantapuramu: Nambulipulikunta- 7,

Gujarat state: Surat: Kamrej- 9, Junagadh: Visavadar- 9,

Konkan & Goa:- - Raigad: Alibag -7, Mumbai City: Colaba-7,.

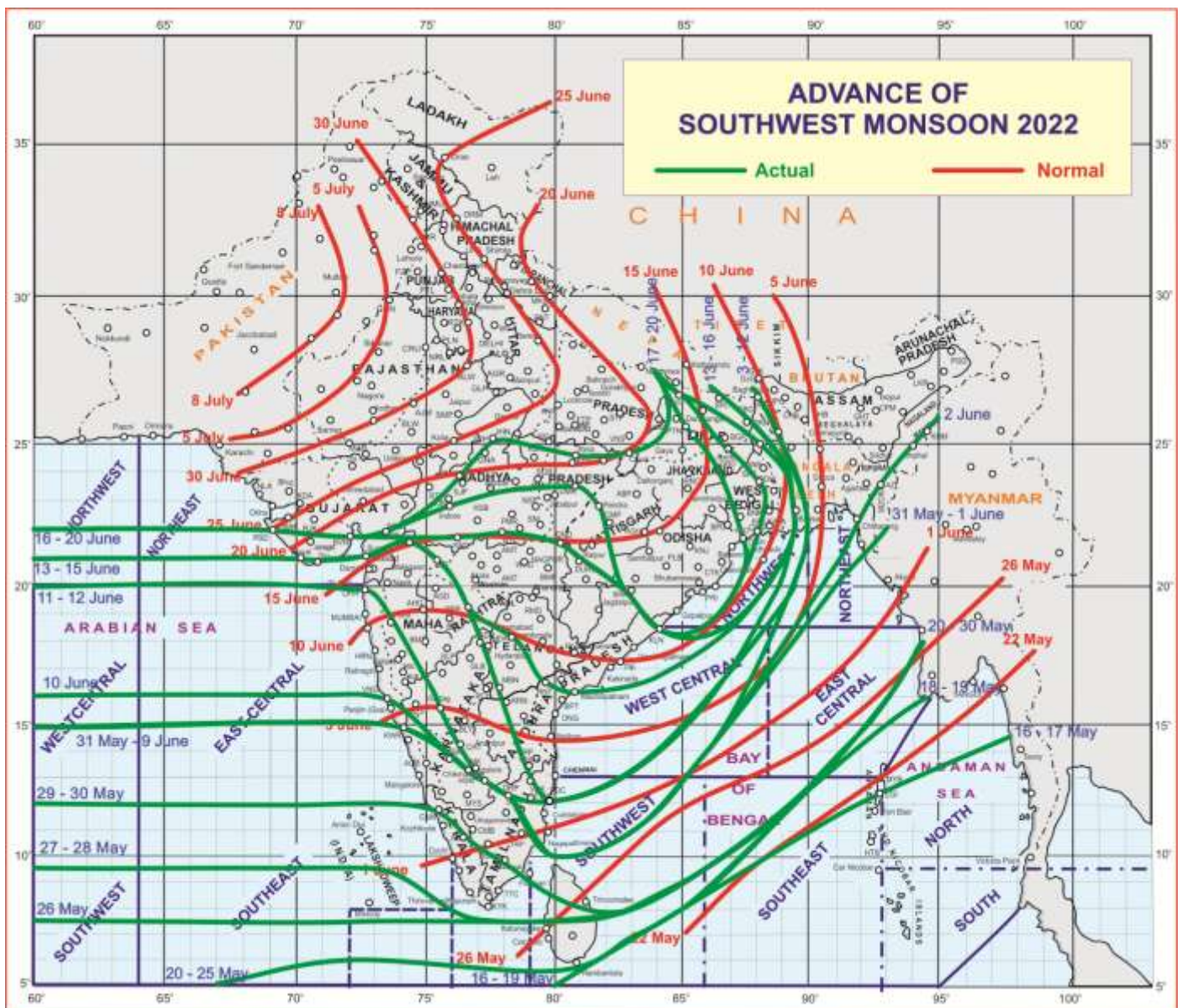
East Madhya Pradesh:- Balaghat: Birsa-17, Sagar: Kesli-10, Katni: Bahoriband-7,

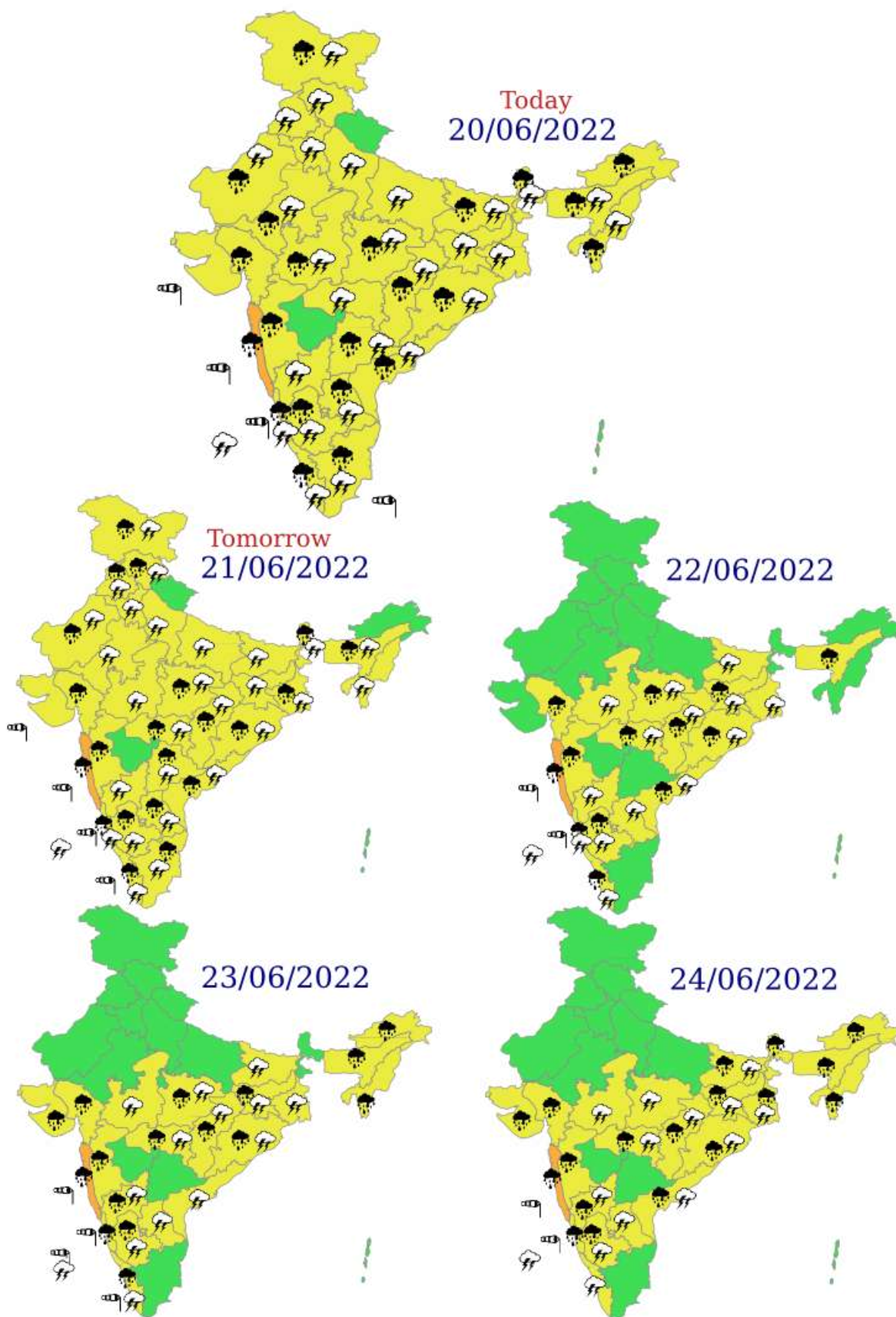
West Madhya Pradesh:- Rajgarh: Khilchipur- 9, Morena: Sabalgarh-7,

Chhattisgarh: Gariaband: Chhura-10, Bilaspur: Kota- 9, Mungeli: Lormi 8, Patharia-7,

Odisha: Cuttack: banki-17, Balasore: Balasore-8, Bahanga-7, Ganjam: Sheragada-7, Angul: Talcher-7, Boudhgarh: Boudhgarh-8,

Bihar: Samastipur: Rosera-9, Begusarai: Kodawanpur-7, Monghyr: Dharhara-7





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

