



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

**Press Release
Date: 17th June, 2022
Time of Issue: 1300 hrs IST**

Subject: Current spell of intense rainfall likely to continue over Northeast India and Sub-Himalayan West Bengal & Sikkim during next 4 days and decrease thereafter.

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

- Isolated **extremely heavy rainfall** occurred over Assam & Meghalaya, Arunachal Pradesh; **heavy to very heavy rainfall** over Sub-Himalayan West Bengal, Rayalaseema, Tamilnadu and **heavy rainfall** over Manipur, Gujarat Region, Madhya Pradesh, Vidarbha, Sikkim, Jharkhand, Bihar, Odisha, Coastal Andhra Pradesh, Telangana, Coastal & South Interior Karnataka, Kerala and Lakshadweep. (**Annexure I**)
- Isolated **hailstorm** occurred over Kashmir.

Advance of Southwest Monsoon:

- Southwest Southwest Monsoon has further advanced into remaining parts of Sub- Himalayan West Bengal and some more parts of Bihar today, the 17th June, 2022.
- The Northern Limit of Monsoon (NLM) now passes through Lat. 22°N/ Long. 60°E, Lat. 22°N/ Long. 65°E, Porbandar, Bhavnagar, Khandwa, Gondia, Durg, Bhawanipatna, Kalingapatnam, Lat.22.0°N/89.5°E, Lat.25.0°N/89°E, Malda and Motihari, 27.0°N/84°E.
- Conditions are favorable for further advance of monsoon into some more parts Madhya Pradesh, remaining parts of Vidarbha, Andhra Pradesh and Westcentral & northwest Bay of Bengal, some more parts of Chhattisgarh and Odisha, some parts of Gangetic West Bengal, Jharkhand and some more parts of Bihar during next 3 days.

➤ **Rainfall/thunderstorm Forecast & Warnings:**

- Under the influence of strong southerly/southwesterly winds from Bay of Bengal to northeast & adjoining east India and a north-south trough from northeast Bihar to interior Odisha in lower tropospheric levels:
 - Widespread rainfall with isolated **heavy to very heavy rainfall** very likely over northeast India and Sub-Himalayan West Bengal & Sikkim during next 5 days. Isolated **extremely heavy rainfall** also likely over Assam & Meghalaya during 17th-19th June and over Arunachal Pradesh & Sub-Himalayan West Bengal & Sikkim on 17th June, 2022.
 - Fairly widespread to widespread rainfall with **thunderstorm/lightning/gusty winds** very likely over Bihar, Jharkhand, Odisha and Gangetic West Bengal during next 5 days. Isolated **heavy rainfall** likely over Jharkhand during next 5 days; Bihar during 17th-20th; Odisha on 17th & 20th June, 2022.

- Scattered to fairly widespread rainfall with **thunderstorm/lightning/gusty winds** very likely over Madhya Pradesh, Vidarbha and Chhattisgarh during next 5 days. Isolated **heavy rainfall** very likely over East Madhya Pradesh during 17th-20th; over West Madhya Pradesh & Vidarbha on 17th-19th June and Chhattisgarh during 19th-21st June.
- Under the influence of westerly winds along the west coast and a trough from North Interior Karnataka to south Tamil Nadu 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 Kerala & Mahe, coastal & South Interior Karnataka during next 5 days; Coastal Andhra Pradesh during 17th-20th; Telangana, Rayalaseema during 17th-19th; Tamilnadu, Puducherry & Karaikal on 17th & 18th; over south Konkan & Goa during 18th-21st; over ghat areas of Madhya Maharashtra on 20th & 21st June; over Gujarat Region on 17th, 20th & 21st and over Saurashtra on 21st June, 2022.
- 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 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) and isolated rainfall over Rajasthan during next 5 days.
 - Isolated **heavy rainfall** likely over Jammu division, Himachal Pradesh, Uttarakhand and Haryana, Chandigarh & Delhi on 17th June and over Punjab on 17th, 18th & 20th June.

Maximum Temperature forecast and Heat wave warnings:

- No significant change in maximum temperatures very likely over most parts of the country during next 5 days.

Multi-hazard warning is given in annexure III

Annexure I

Rainfall (in cm):

Meghalaya: Sohra-97, Sohra (RKM)-91, Mawkyrwat-54, Mawphlang-50, Shella-35, Williamnagar(AWS)-33, Khliehriat-28, Baghmara-26;

Assam: Kokrajhar-34, Nalbari-26, Gossaigaon-18, Beki-RD Bridge-7, Motunga, Goalpara, Barpeta-16 each;

Arunachal Pradesh: Bhalukpong-25, Pasighat-16, Roing-14, Yupia-13;

Sub-Himalayan West Bengal: Jalpaiguri: Bharobhisha-14, Alipurduar-13, Falakata-10,

Sikkim: Singhik-12, Sankalan-10

Manipur: Tamenglong-7;

Telangana: Kumaram Bheem: Kerameri-8

Tamilnadu: Krishnagiri: Taluk Office Uthangarai-12, Shoolagiri-8; Sivagangai: Thiruppuvanam-10; Dindigul: Natham-9; Dharmapuri: Palacode and Marandahalli TB-8; Tiruppur: PWD IB (Collector Camp Office)-8; Pudukkottai: Nagudi-8, Pudukkottai, Kudimiyamalai, Aranthangi-7 each;

Rayalaseema: Anantapuramu: Nambulipulikunta-13, Kurnool: Allagadda-8, Ysr District: Jammalamadugu-8, Anantapuramu: Obuladevaracheruvu, Hindupur-7 each,

Coastal Andhra Pradesh: East Godavari: Peddapuram-11, West Godavari: Koyyalagudem-9, Vizianagaram: Seethanagaram-7;

Lakshadweep: Agathi-11;

Kerala: Malappuram: Vakkad-9, Kozhikode: Quilandi-9; Kannur: Ayyankunnu-8; Palakkad: Mannarkkad-7;

Coastal Karnataka: Uttara Kannada: Ankola-8;

South Interior Karnataka: Tumakuru: Kunigal-9, Pevagada-7, Bengaluru Rural: Nelamangala-8, Devanahalli-7;

East Madhya Pradesh: Satna: Nagode-11, Panna: Pawai-7,

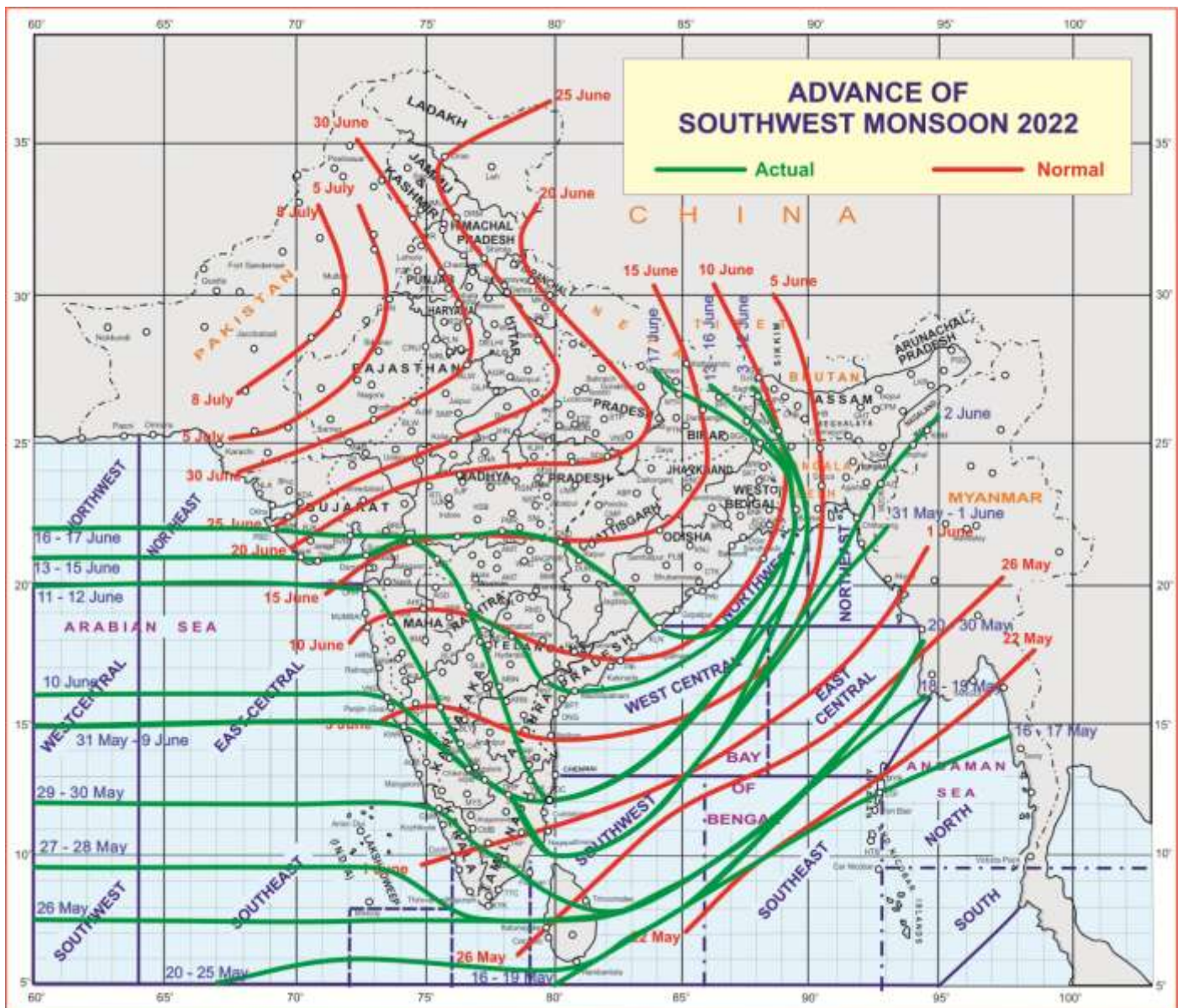
West Madhya Pradesh: Dewas: Khategaon-8, Vidisha: Kurwai, Gulabganj-7,

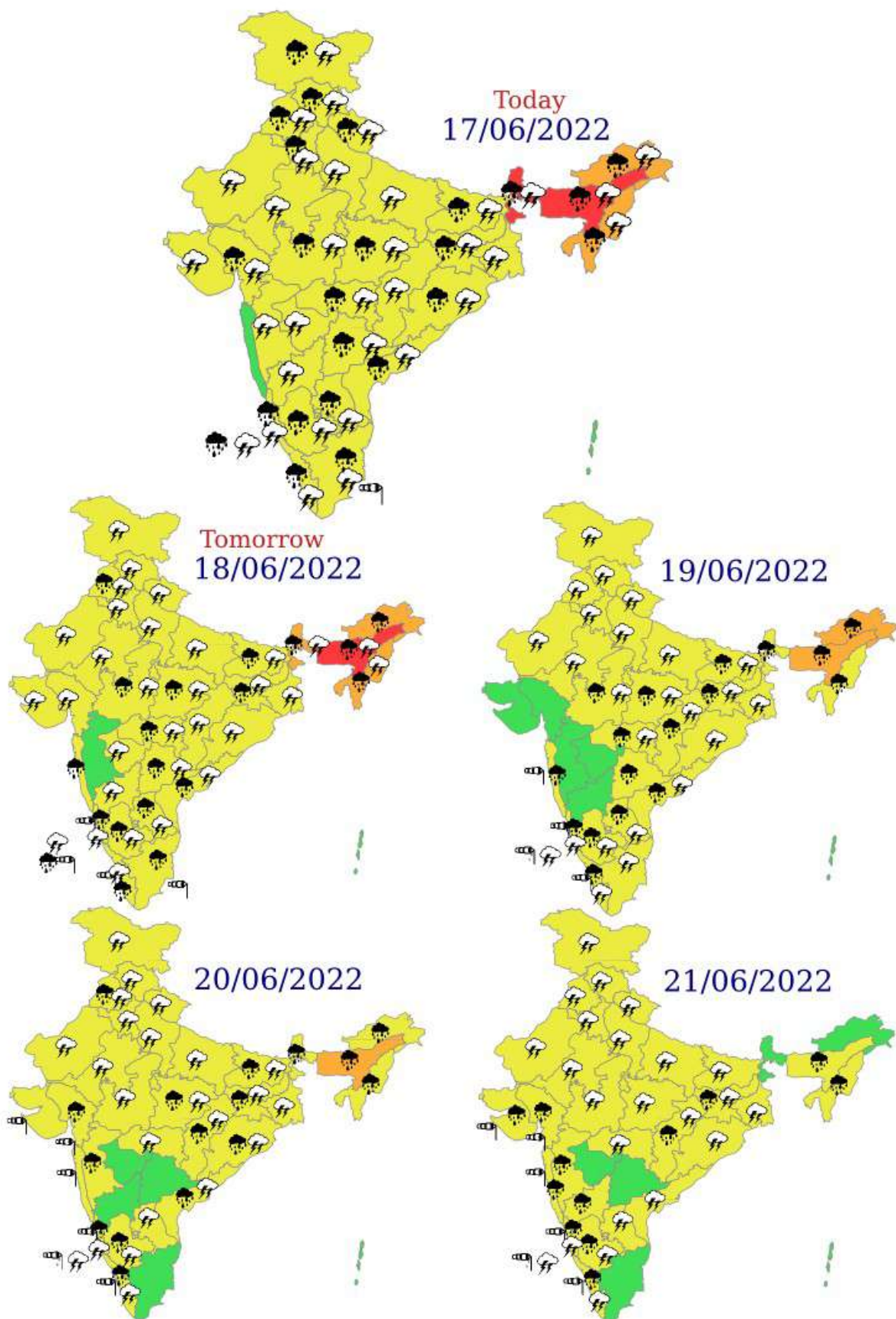
Vidarbha: Akola-9

Bihar: Sitamarhi: Dhengbridge-9, Kishanganj: Galgalia-7

Jharkhand: Pakur: Pakur-9

Gujarat Region: Surat: Kamrej-7





EXPECTED IMPACT & ACTION SUGGESTED due to very heavy/extremely heavy rainfall over Assam & Meghalaya during 17th-20th; Arunachal Pradesh during 17th-19th; over Nagaland Manipur, Mizoram & Tripura and , Sub-Himalayan West Bengal on 17th & 18th June.

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