



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

**Press Release**  
**Date: 18<sup>th</sup> June, 2022**  
**Time of Issue: 1330 hrs IST**

**Subject: i) Southwest Monsoon has further advanced into some parts of Gangetic West Bengal, Jharkhand and some more parts of Bihar.**  
**ii) Current spell of intense rainfall likely to continue over Northeast India and Sub-Himalayan West Bengal & Sikkim during next 3 days and reduce thereafter.**  
**iii) Thunderstorm activity accompanied by isolated heavy showers likely to continue throughout North, Central & East India during next 2-3 days.**

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

- Isolated **extremely heavy rainfall** occurred over Assam & Meghalaya and Sub-Himalayan West Bengal; **heavy to very heavy rainfall** over Arunachal Pradesh, Nagaland, Manipur, Mizoram & Tripura, Gangetic West Bengal & Kerala and **heavy rainfall** over Rayalaseema, Coastal & South Interior Karnataka, Tamilnadu, Bihar, Jharkhand, Chhattisgarh, Madhya Pradesh and Sikkim. (**Annexure I**)

**Advance of Southwest Monsoon:**

- Southwest Monsoon has further advanced into entire Westcentral Bay of Bengal, most parts of northwest Bay of Bengal, some parts of Gangetic West Bengal, Jharkhand and some more parts of Bihar today, the 18th June, 2022
- The Northern Limit of Monsoon (NLM) now passes through Lat. 22°N/ Long. 60°E, Lat. 22°N/ Long. 65°E, Porebandar, Bhavnagar, Khandwa, Gondia, Durg, Bhawanipatna, *Kalingapatnam*, Lat.20.0°N/87.0°E, Haldia, Bardhaman, Dumka, Banka 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 northwest Bay of Bengal, some more parts of Chhattisgarh and Odisha, some more parts of Gangetic West Bengal, Jharkhand and Bihar and northeast Uttar Pradesh during next 2-3 days.

**Rainfall/thunderstorm Forecast & Warnings:**

- Under the influence of strong southerly/southwesterly winds from Bay of Bengal to Northeast & adjoining East India:
  - Widespread rainfall with isolated **heavy to very heavy rainfall** very likely over Northeast India and Sub-Himalayan West Bengal & Sikkim during next 3 days. Isolated **heavy rainfall** likely to continue over Assam & Meghalaya and Nagaland, Manipur, Mizoram & Tripura during subsequent 2 days. Isolated **extremely heavy rainfall** also very likely over Assam & Meghalaya on 18<sup>th</sup> and over Meghalaya on 19<sup>th</sup> June 2022.
  - 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, Jharkhand, Odisha and Gangetic West Bengal during 18<sup>th</sup>-20<sup>th</sup> and over Odisha on 18<sup>th</sup> & during 20<sup>th</sup>-22<sup>nd</sup> 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:
  - 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 & Vidarbha on 18<sup>th</sup> & 19<sup>th</sup>; over East Madhya Pradesh during 18<sup>th</sup>-20<sup>th</sup> and Chhattisgarh during 19<sup>th</sup>-22<sup>nd</sup> June.
  - 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) and isolated rainfall over Uttar Pradesh & Rajasthan during next 5 days.
  - Isolated **heavy rainfall** likely over Himachal Pradesh on 18<sup>th</sup> and over Haryana, Chandigarh & Delhi during 18<sup>th</sup>-20<sup>th</sup>; over Punjab during 19<sup>th</sup>-21<sup>st</sup> and over East Rajasthan on 18<sup>th</sup> & 19<sup>th</sup> June.
- Under the influence of westerly winds along the west coast and a trough from North Interior Karnataka to interior 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/very heavy rainfall** very likely over Coastal Andhra Pradesh, Telangana, Rayalaseema, Kerala & Mahe, Coastal & South Interior Karnataka and Konkan & Goa during next 5 days; Tamilnadu, Puducherry & Karaikal and Lakshadweep on 18<sup>th</sup>; over ghat areas of Madhya Maharashtra & Gujarat Region during 20<sup>th</sup>-22<sup>nd</sup> and over Saurashtra on 22<sup>nd</sup> 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 4 days and rise by 2-3°C thereafter.
- 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**

**Rainfall (in cm):**

**Assam & Meghalaya:** **Barpeta:** Beki Mathungari-40, Hazuwa-9; **Karimganj:** Karimganj-21, B P Ghat-12; **East Khasi Hills:** Cherrapunji RKM-15, Cherrapunji-12, Mawsynram-12; **Cachar:** Silchar, Lakhipur & Amarghat-10 each; **Hailakandi:** Matijuri-12, Gharmura-10; **West Janitia hills:** Jowai-11; **East Janitia Hills:** Khliehriat-10; **Nalbari:** Matunga-10; **Chirang:** Panbari-8;

**Arunachal Pradesh:** **West Kameng:** Bhalukpong-14, Kalaktang-11; **Lohit:** Tezu-8; **East Siang:** Pasighat-7;

**Gangetic West Bengal:** **Hooghly:** Harinkhola-8;

**Sub-Himalayan West Bengal & Sikkim:** **Jalpaiguri:** Buxaduar-35, Hasimara-23, Alipurduar-10, Kumargram-9; **Darjeeling:** Bagdogra IAF-12; Rongo-9; **Cooch Behar:** AMFU Pundibari-11. Mathabhanga-7; **East Sikkim:** Gangtok-8'

**Nagaland, Manipur, Mizoram & Tripura:** **West Tripura:** Arundhatinagar-18, Agartala Aero-17; **Gomati:** Amarapur-9; **Tamenglong:** Tamenglong-9; **Dhalai:** Dhalai-8, Kamalpur-7; **Khowai:** Khowai-7;

**Tamilnadu:** **Krishnagiri:** Uthangarai-8; **Tirupathur:** Tirupathur PTO-8; **Coimbatore:** Sholayar-7; **Karur:** Karur Paramathi-7;

**Rayalaseema:** **Anantapuramu:** Pamidi- 7, **Kurnool:** Yemmiganur-6;

**Kerala:** **Kottayam:** Poonjar-12; **Ernakulam:** Neryamangalam ARG-10; **Palakkad:** Mannarkkad-7;

**Coastal Karnataka:** **Dakshina Kannada:** Puttur HMS-7;

**South Interior Karnataka:** **Bengaluru Urban:** Hesaraghatta-11;

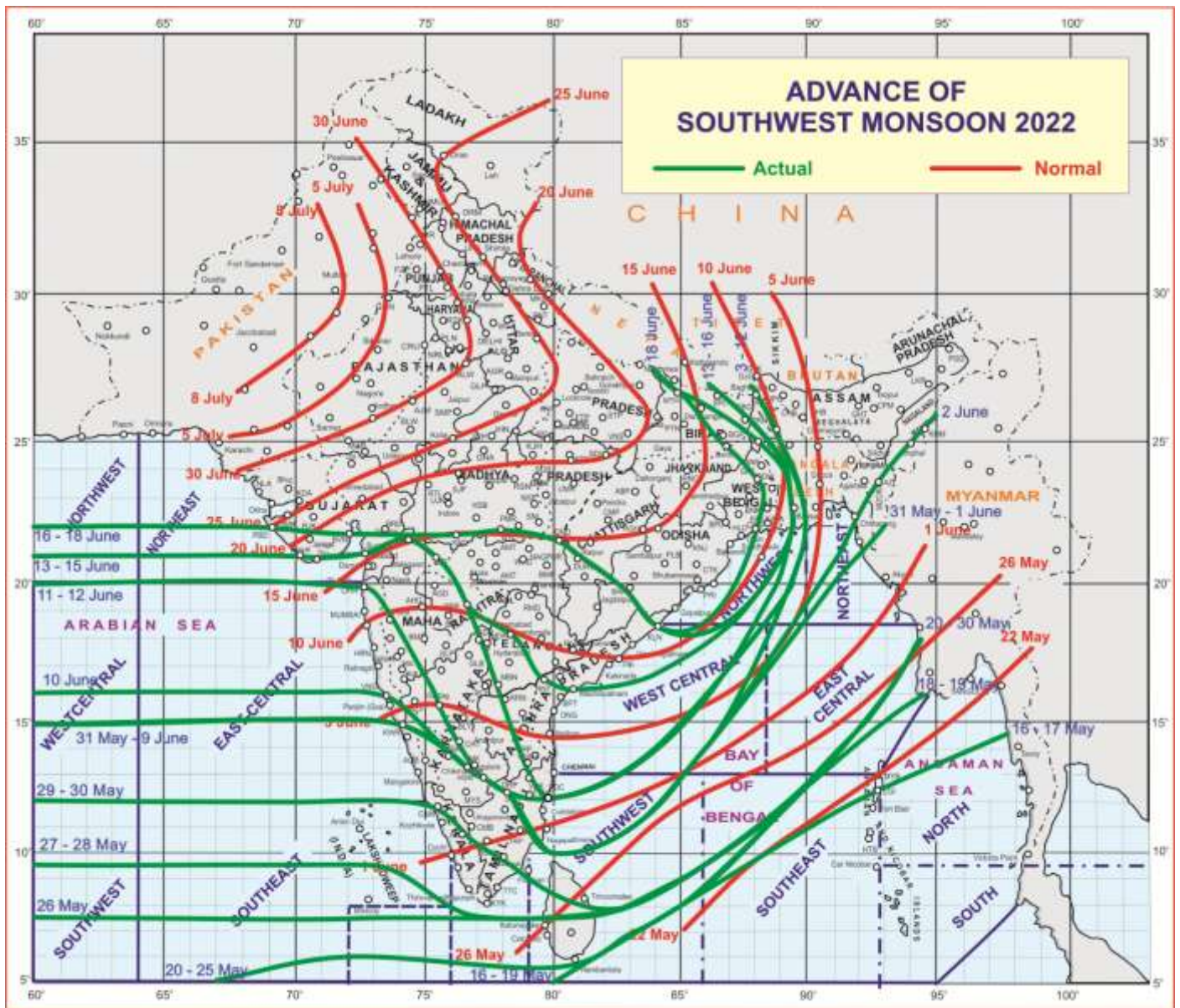
**West Madhya Pradesh:** **Vidisha:** Ganjbasoda-11, Nateran-7; **Morena:** Morena-aws-7, **Sheopur:** Badoda- 7,

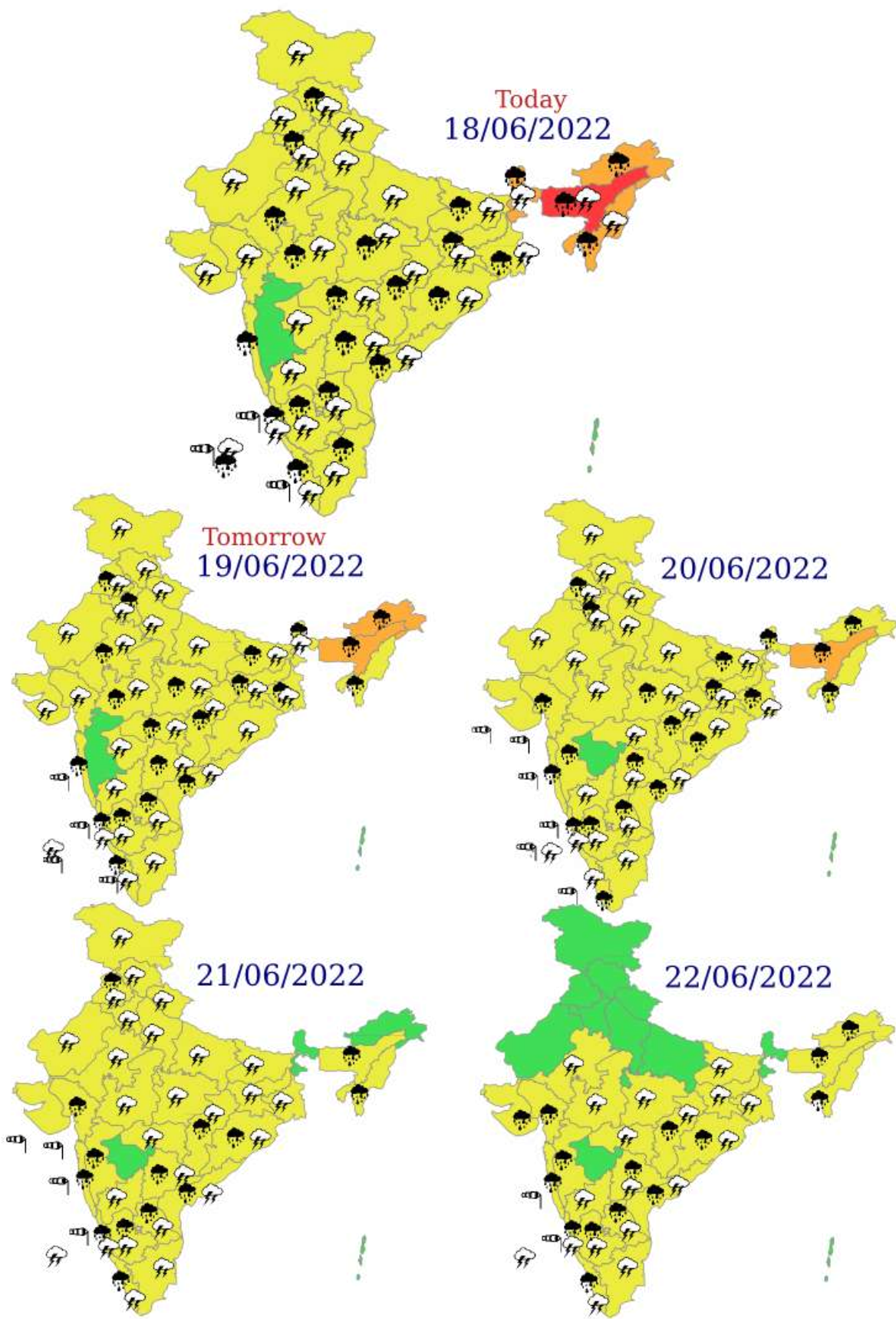
**East Madhya Pradesh:** **Mandla:** Narayanganj-7, **Anuppur:** Jaithari-7, **Balaghat:** Lalburra-7;

**Chhattisgarh:** **Janjgir:** Champa-11, Janjgir-7, **Bilaspur:** Marwahi-6,

**Bihar:** Purnia: Purnia-11;

**Jharkhand:** **East Singhbhum:** Jamshedpur aero-7;





**EXPECTED IMPACT & ACTION SUGGESTED due to very heavy/extremely heavy rainfall over Assam & Meghalaya, Arunachal Pradesh, Nagaland Manipur, Mizoram & Tripura and Sub-Himalayan West Bengal during 18<sup>th</sup>-20<sup>th</sup> 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.

<b>SPATIAL DISTRIBUTION</b> (% 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