



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

**Press Release
Date: 19th June, 2022
Time of Issue: 1430 hrs IST**

Subject:

- i) Southwest Monsoon has further advanced into some more parts of Gujarat region, Madhya Pradesh, remaining parts of Vidarbha, some more parts of Chhattisgarh, Gangetic West Bengal, Jharkhand and Bihar today, the 19th June, 2022.**
- ii) Current spell of intense rainfall likely to continue over Northeast India and Sub-Himalayan West Bengal & Sikkim during next 24-hours 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; **heavy to very heavy rainfall** over Sikkim, Manipur and **heavy rainfall** over Jammu, East Rajasthan, Interior Karnataka, Telangana, Tamilnadu, Kerala, Lakshadweep, Arunachal Pradesh, Sub-Himalayan West Bengal, Jharkhand, Mizoram & Tripura, Konkan & Goa, Chhattisgarh, Odisha and Madhya Pradesh. **(Annexure I)**

Advance of Southwest Monsoon:

- Southwest Monsoon has further advanced into some more parts of Gujarat region, Madhya Pradesh, remaining parts of Vidarbha, some more parts of Chhattisgarh, Gangetic West Bengal, Jharkhand and Bihar today, the 19th 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, Indore, Umariya, Pendra Road, Bhawanipatna, Kalingapatnam, Lat.20.0°N/87.0°E, Digha, Giridih, Patna, 27.0°N/84°E.
- Conditions are favorable for further advance of monsoon into some more parts Madhya Pradesh, Andhra Pradesh and northwest Bay of Bengal, some more parts of Chhattisgarh and Odisha, remaining parts of Gangetic West Bengal, Jharkhand and some more parts of Bihar and some parts of 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 2 days. Isolated **heavy rainfall** likely to continue over Assam & Meghalaya and Nagaland, Manipur, Mizoram & Tripura during next 5 days. Isolated **extremely heavy rainfall** also very likely over Meghalaya on 19th 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 and Gangetic West Bengal during 19th-21st and over Odisha during 19th-23rd 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 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) and isolated rainfall over Uttar Pradesh & Rajasthan during next 3 days and reduce thereafter.
 - Isolated **heavy rainfall** likely over Haryana, Chandigarh & Delhi, West Rajasthan on 20th; East Rajasthan during 19th-21st; over Punjab on 20th & 21st; Jammu & Kashmir, Himachal Pradesh 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 & Vidarbha on 19th, 20th & 23rd; over East Madhya Pradesh on 19th & 20th and Chhattisgarh during 19th-23rd June.
- Under the influence of westerly winds along the west coast and a trough from Vidarbha 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/very heavy rainfall** very likely over Kerala & Mahe, South Interior Karnataka, Gujarat Region and Konkan & Goa during next 5 days; Coastal Karnataka, Coastal Andhra Pradesh, Telangana during 19th-21st; Rayalaseema on 19th & 20th; North Interior Karnataka & north interior Tamilnadu on 19th; over ghat areas of Madhya Maharashtra during 20th-23rd and over Saurashtra on 19th & 23rd June, 2022.

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

Rainfall (In Cm):

Assam & Meghalaya:- Cachar: Silchar-29, A P Ghat-26, East Khasi Hills: Cherrapunji-25, Mawsynram-24, Shella-20, Hailakandi: Matijuri-20, Karimganj: karimganj-25, B P Ghat-21

Sub Himalayan West Bengal & Sikkim:-

North Sikkim: Sankalan-16, Mangan, Singhik-10 Each, Jalpaiguri: Alipurduar-14, Kumargram-12, Chepan-10, Buxaduar-8, Jalpaiguri-7, Cooch Behar: Cooch Behar-11, Pundibari, Mathabhanga-10 Each.

Arunachal Pradesh:- Lower Dibang Valley: Roing-9, Papumpara: Itanagar-9,

Manipur:- Imphal West: Chotabekra-14, Tamenglong: Tamenglong-7

Mizoram:- Lawngtlai: Lawngtlai -9

Tripura: Sabroom-8

Jammu & Kashmir:- Rajauri -9

East Rajasthan:- Dausa: Dausa-8, Mahwa- 7, Sawai Madhopur: Malerainadunger Sr-8

Tamil Nadu Puducherry & Karaikal:-Tiruppur: Pwd Ib (Collector Camp Office)-8, Thoothukudi:Kadambur-7

Kerala & Mahe:- Thrissur: Vilangankunnu-7

Lakshadweep:-Agathi (Agt)- 8

North Interior Karnataka: Belagavi: Hidkal Dam-8

South Interior Karnataka: Bengaluru-7

Telangana: Mahabubnagar: Jadcherla-10, Nizamabad: Jakranpalle-7

Konkan & Goa:- Sindhudurg: Malvan-11, North Goa: Pernem-10, South Goa: Canacona-9.

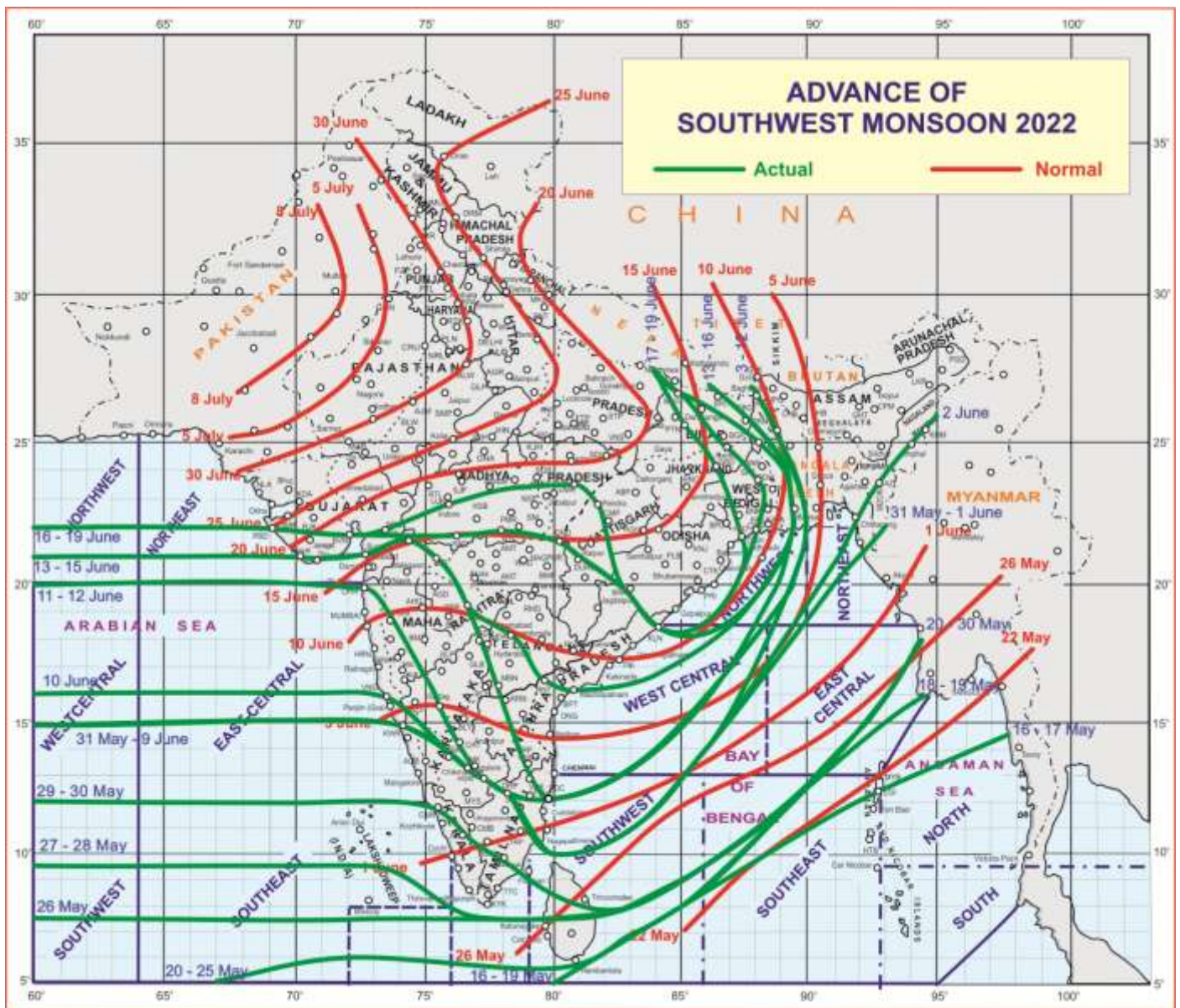
East Madhya Pradesh:- Anuppur: Kotma-10, Balaghat: Malanjkhanda-10, Sagar: Khurai-8, Sagar-7, Jabalpur: Kumdam-7.

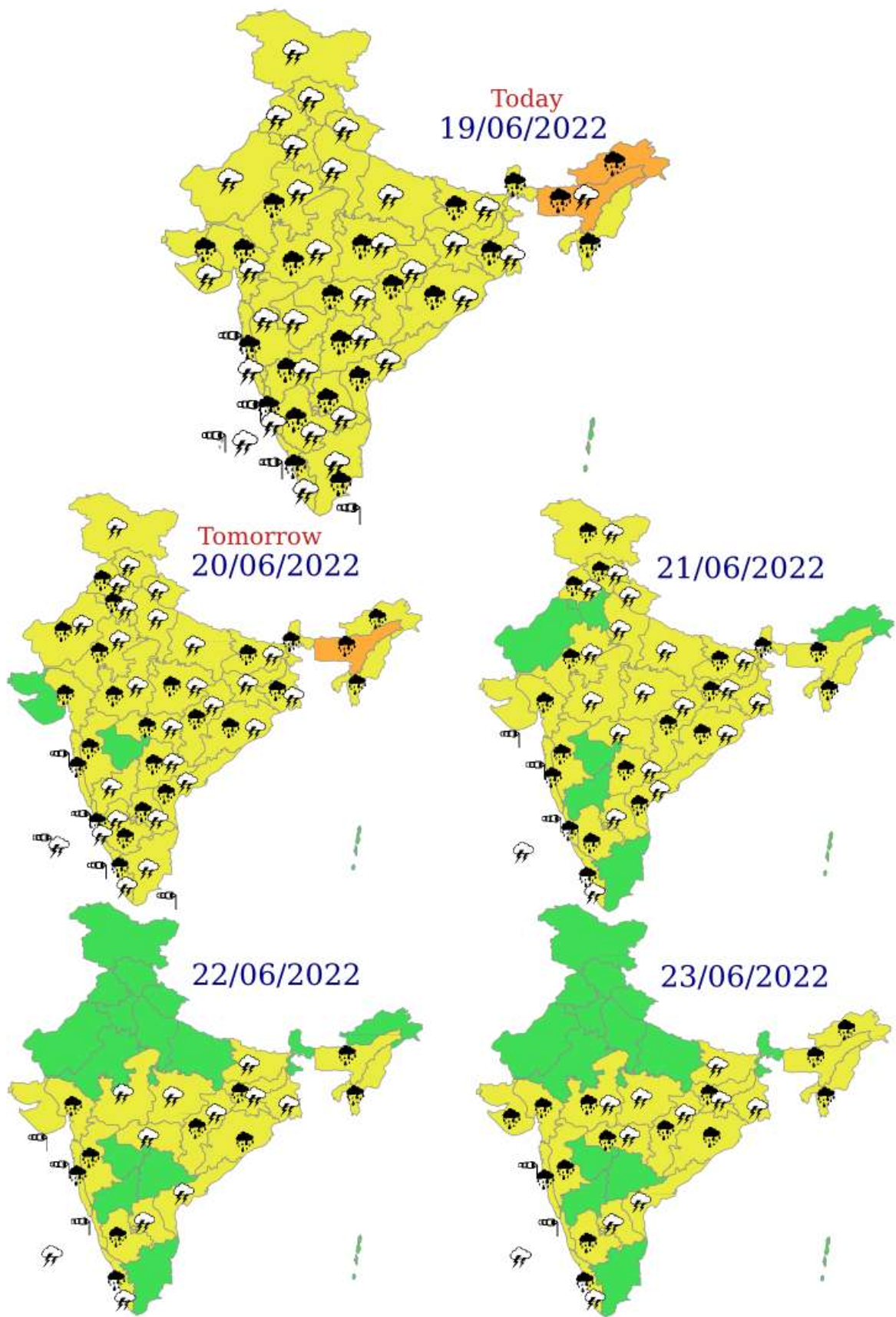
West Madhya Pradesh:- Khandwa: Khandwa-10, Pandhan-8, Vidisha: Kurwai-9

Chhattisgarh: Bilaspur: Pendra Road-11,

Jharkhand: Koderma: Satgaon-9, Simdega: Kurdeg-8

Odisha: Cuttack: Athgarh-9, Mayurbhanj: Baripada-8, Sambalpur: Burla-8, Angul: Angul-7, Sonapur: Sonapur-7





EXPECTED IMPACT & ACTION SUGGESTED due to very heavy/extremely heavy rainfall over Assam & Meghalaya & Sub-Himalayan West Bengal, Arunachal Pradesh & Tripura on 19th 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