



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

**Press Release  
Date: 14<sup>th</sup> June, 2022  
Time of Issue: 1330 hrs IST**

- **Subject: Current spell of intense rainfall likely to continue over Northeast India and Sub-Himalayan West Bengal & Sikkim during next 5 days.**

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

- Isolated **heavy to very heavy rainfall** occurred over Assam, Sub-Himalayan West Bengal & Sikkim and **heavy rainfall** over Meghalaya, Mizoram, Tripura, Madhya Maharashtra, Gujarat State and Telangana. (Annexure I)
- Yesterday, **heat wave conditions** prevailed in isolated pockets over north Odisha, Delhi, Jharkhand, Southeast Uttar Pradesh, Southwest Bihar.

**Advance of Southwest Monsoon:**

- The **Northern Limit of Monsoon (NLM)** continues to pass through Lat. 21°N/ Long. 60°E, Lat. 21°N/ Long. 70°E, Diu, **Nandurbar**, Jalgaon, Parbhani, Bidar, Tirupati, Puducherry, Lat. 14°N/ Long. 84°E, Lat. 17.0°N/ Long. 87°E, Lat.20.0°N/89.5°E, Lat.22.0°N/90°E, Lat.25.0°N/89°E, Balurghat and Supaul, 26.50°N/86°E.
- Conditions are favorable for further advance of Southwest monsoon into some more parts of north Arabian sea, some more parts of Gujarat state, some parts of south Madhya Pradesh, entire Madhya Maharashtra, Marathwada, Karnataka and Tamil Nadu, some parts Vidarbha and Telangana, some more parts of Andhra Pradesh, Westcentral & northwest Bay of Bengal, some parts of Odisha, Gangetic West Bengal, Jharkhand, entire Sub-Himalayan West Bengal and some more parts of Bihar during subsequent 2-3 days.

**Rainfall/thunderstorm Forecast & Warnings:**

- Under the influence of strong southwesterly winds from Bay of Bengal to northeast & adjoining east India in lower tropospheric levels:
  - Widespread thundershowers very likely over northeast India and adjoining Sub-Himalayan West Bengal & Sikkim during next 5 days. Isolated **heavy to very heavy rainfall** very likely over Arunachal Pradesh and Sub-Himalayan West Bengal & Sikkim during next 5 days and **heavy rainfall** over Nagaland & Manipur during 15<sup>th</sup>-18<sup>th</sup> June. Isolated **extremely heavy rainfall** also likely over Arunachal Pradesh on 15<sup>th</sup> & 16<sup>th</sup> June and over Assam & Meghalaya during next 5 days.
  - Rainfall activity likely to increase gradually over Bihar, Jharkhand, Odisha and Gangetic West Bengal with fairly widespread to widespread rainfall with **thunderstorm/lightning/gusty winds** during next 5 days. Isolated **heavy rainfall** likely over Jharkhand on 16<sup>th</sup> & 17<sup>th</sup> and over Bihar during 16<sup>th</sup>-18<sup>th</sup> June.

- Isolated rainfall with **thunderstorm/lightning/gusty winds** very likely over West Madhya Pradesh and scattered to fairly widespread rainfall over East Madhya Pradesh, Vidarbha and Chhattisgarh during next 5 days. Isolated **heavy rainfall** likely over East Madhya Pradesh on 15<sup>th</sup> & 16<sup>th</sup> & over Chhattisgarh during 15<sup>th</sup>-17<sup>th</sup> June.
- Under the influence of an off-shore trough and westerly winds along the west coast in lower tropospheric levels:
  - Fairly widespread/ widespread rainfall with **thunderstorm/lightning** very likely over Coastal Karnataka, Kerala & Mahe and Lakshadweep and scattered to fairly widespread rainfall likely over Konkan & Goa, Madhya Maharashtra, Marathwada, Andhra Pradesh & Yanam, Telangana and Tamilnadu, Puducherry & Karaikal during next 5 days.
  - Isolated **heavy rainfall** very likely over Coastal Andhra Pradesh on 15<sup>th</sup> & 18<sup>th</sup>; Telangana on 14<sup>th</sup> & 15<sup>th</sup>; Rayalaseema on 14<sup>th</sup> & 18<sup>th</sup>; Coastal & South Interior Karnataka on 17<sup>th</sup> & 18<sup>th</sup>; Tamilnadu, Puducherry & Karaikal on 15<sup>th</sup>, 17<sup>th</sup> & 18<sup>th</sup> and Kerala & Mahe during 15<sup>th</sup>-18<sup>th</sup> June, 2022.
- Under the influence of Western Disturbances and lower level easterlies:
  - Isolated to scattered rainfall with **thunderstorm/lightning** very likely over Western Himalayan region (Jammu, Kashmir, Ladakh, Gilgit- Baltistan & Muzaffarabad, Himachal Pradesh, Uttarakhand) and adjoining plains (Punjab, Haryana, Chandigarh & Delhi and Rajasthan) on 14<sup>th</sup> & 15<sup>th</sup> becoming fairly widespread to widespread rainfall over Western Himalayan region and scattered to fairly widespread rainfall over Punjab, Haryana, Chandigarh & Delhi & East Uttar Pradesh during 16<sup>th</sup>-18<sup>th</sup> June.
  - Isolated **heavy rainfall** likely over Jammu, Kashmir, Ladakh, Gilgit- Baltistan & Muzaffarabad during 16<sup>th</sup>-18<sup>th</sup>; Himachal Pradesh & Uttarakhand on 16<sup>th</sup> & 17<sup>th</sup>, north Punjab on 16<sup>th</sup> June.

#### **Maximum Temperature forecast and Heat wave warnings:**

- Gradual fall in maximum temperatures by 2-3° C very likely over Northwest India during next 3 days and no significant change thereafter.
- No significant change in maximum temperatures very likely over East India on today and gradual fall by 2-4° C thereafter.
- No significant change in maximum temperatures very likely over rest parts of the country during next 5 days.

**Heat wave warnings:** Heat wave conditions in isolated places very likely over southeast Uttar Pradesh, southwest Bihar & Jharkhand on 14<sup>th</sup> June.

**Multi-hazard warning is given in annexure III**

**Rainfall (in cm):**

**Sub-Himalayan West Bengal & Sikkim: Jalpaiguri:** Hasimara-19, NH 31 Bridge-15, Diana & Kumargram-13 each, Nagarkata-12, Buxaduar-11, Murti-9, Chepan, Gajoldoba & Neora-8 each, Bharobhisha, Falakata, Alipurduar & Domohani-7 each; **Darjeeling:** Champasari-10; **Cooch Behar:** Cooch Behar-7, **East Sikkim:** Gangtok-7.

**Assam :** Barpeta & Beki Rd Bridge-17, AIE NH Zing-15, Pandu-13, Manikpur, Chandmari-12 each, Bahalpur, Nalbari & Mangaldai-10 each, Kokrajhar, Hazo, Gossaigaon-9 each, Guwahati, Patharughat, Laharighat, Tamulpur, Baksa, Puthibari-8 each, Motunga, Panbari-7 each

**Tripura:** Kanchanpur-9; Gandachera-8, Kailashahar & AD Nagar-7 each.

**Madhya Maharashtra: Nashik:** Malegaon Camp-8, **Pune:** Junnar-6.

**Mizoram:** Kolasibi-7

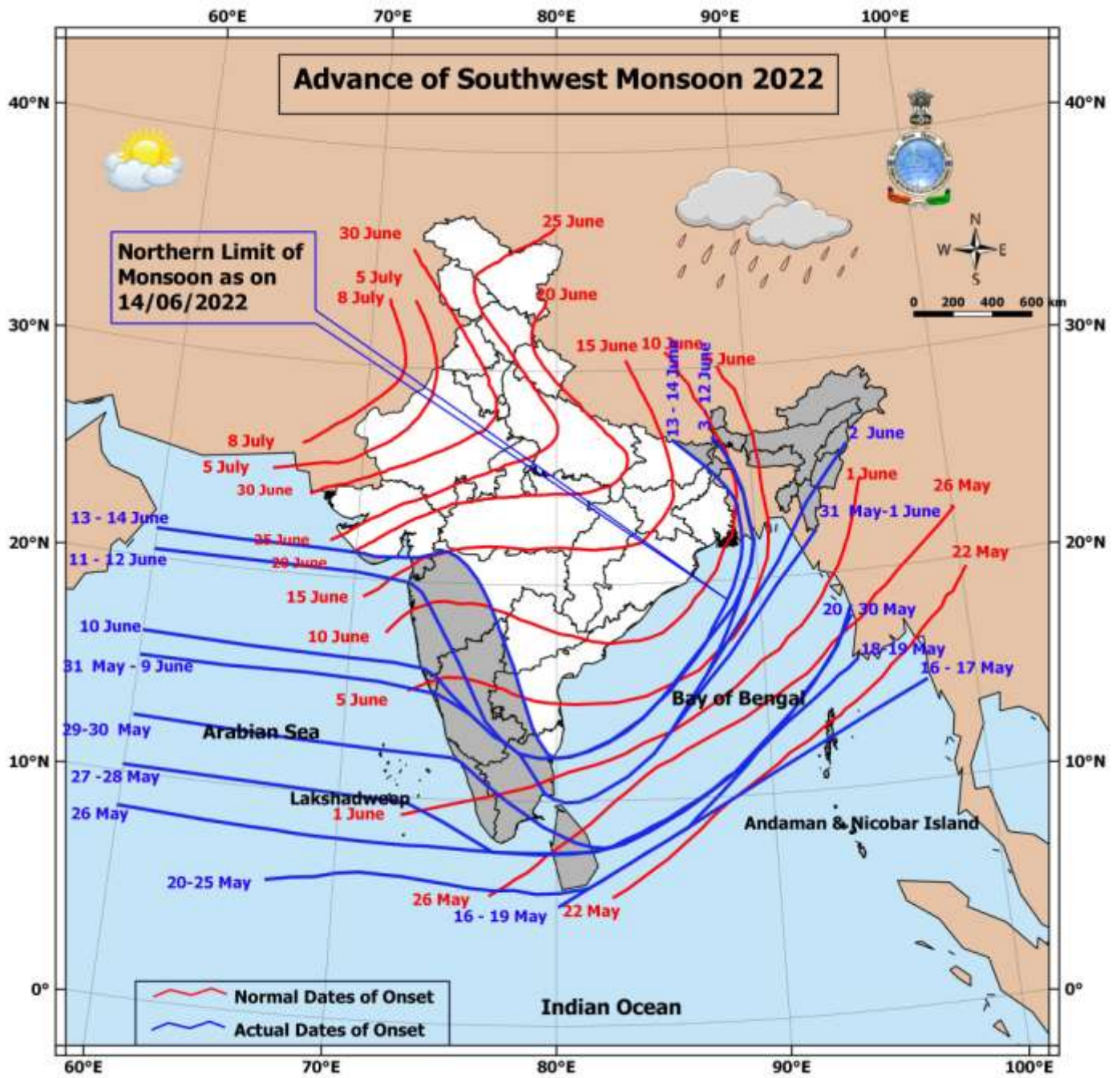
**Meghalaya:** Sohra, Shella-7 each

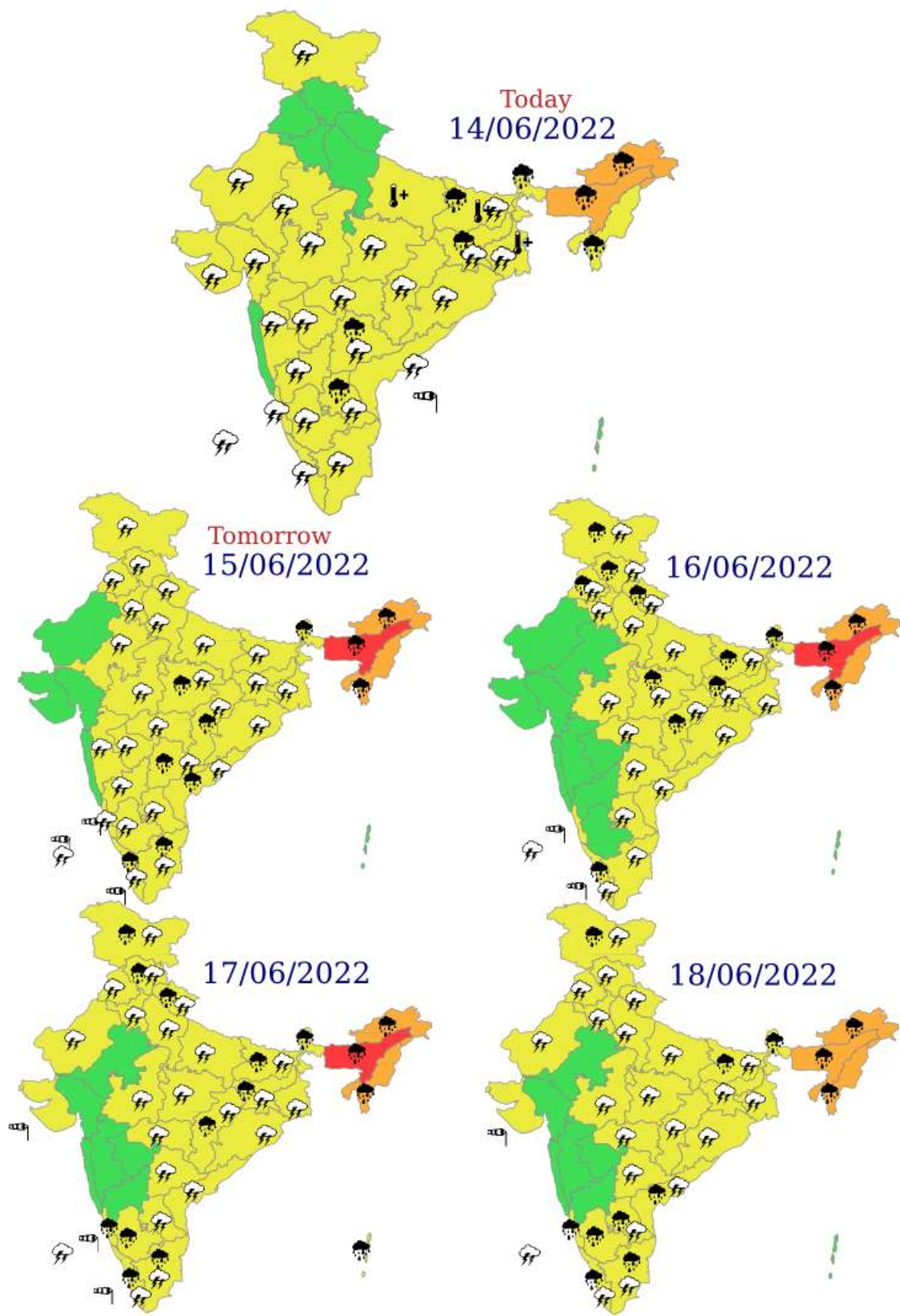
**Telangana:** Kumaran Bheem: Jainoor-7

**Gujarat Region: Aravalli:** Dhansura-7, **Gandhinagar:** Mansa\_arg 7, **Banaskantha:** Dantiwada-6.

**Saurashtra & Kutch: Surendranagar:** Dasada-7, Chotila-6.

**Telangana:** Kumaram Bheem: Jainoor-7.





**EXPECTED IMPACT & ACTION SUGGESTED due to very heavy/extremely heavy rainfall over Assam & Meghalaya, Sub-Himalayan West Bengal & Arunachal Pradesh during next 5 days and over Nagaland Manipur, Mizoram & Tripura during 15<sup>th</sup>-18<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)



<b>WARNING</b>	
WARNING (TAKE ACTION)	
ALERT ( BE PREPARED)	
WATCH (BE UPDATED)	
NO WARNING ( NO ACTION)	

<b>Probabilistic Forecast</b>	
Terms	Probability of Occurrence (%)
Unlikely	< 25
Likely	25 - 50
Very Likely	50 - 75
Most Likely	> 75

