



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

**Press Release**  
**Date: 01<sup>st</sup> June, 2022**  
**Time of Issue: 1300 hrs IST**

**Subject: i) Conditions are favourable for further advance of Southwest monsoon into some more parts of central Arabian Sea, some more parts of Karnataka, some parts of Konkan & Goa, some more parts of Tamil Nadu, remaining parts of southwest Bay of Bengal, some more parts of westcentral Bay of Bengal, northeast Bay of Bengal, northeastern states and Sub-Himalayan West Bengal & Sikkim during next 2 days.**  
**ii) Intense spell of rainfall 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 Kerala & Mahe, Assam & Meghalaya and **heavy rainfall** over Tamilnadu, Coastal & North interior Karnataka and Sub-Himalayan West Bengal & Sikkim. (Annexure-II).
- Isolated **hailstorms** observed over Kashmir.

**Advancement of Southwest Monsoon:**

- The Northern Limit of Monsoon (NLM) continues to pass through Lat.15°N/ Long.60°E, Lat.15°N/Long.70°E, Karwar, Chikmagaluru, Bengaluru, Dharmapuri, Lat. 10°N/ Long. 80°E, Lat. 11.0°N/ Long. 83°E, 14.0°N/86°E, 20.0°N/91°E and 22.0°N/93°E.
- Conditions are favourable for further advance of Southwest monsoon into some more parts of central Arabian Sea, some more parts of Karnataka, some parts of Konkan & Goa, some more parts of Tamil Nadu, remaining parts of southwest Bay of Bengal, some more parts of westcentral Bay of Bengal, northeast Bay of Bengal, northeastern states and Sub-Himalayan West Bengal & Sikkim during next 2 days. (Annexure-I)

**Rainfall/thunderstorm Forecast & Warnings:**

- Due to cyclonic circulation over south Bangladesh & adjoining North Bay of Bengal and strong southwesterly winds from Bay of Bengal to northeast India at lower tropospheric levels:
  - ✓ Widespread light/moderate rainfall with isolated **heavy falls** very likely over northeast India and Sub-Himalayan West Bengal & Sikkim during next 05 days.
  - ✓ Isolated **very heavy rainfall** is also very likely over Assam & Meghalaya and Sub-Himalayan West Bengal & Sikkim during 02<sup>nd</sup>-04<sup>th</sup> and over Arunachal Pradesh on 02<sup>nd</sup> & 03<sup>rd</sup> June. Isolated **extremely heavy falls** also likely over Meghalaya on 02<sup>nd</sup> June.
  - ✓ Isolated/scattered rainfall with **thunderstorm/lightning/gusty winds** very likely over Bihar, Jharkhand, Odisha and Gangetic West Bengal next 5 days.

- Under the influence of monsoonal westerly winds from Arabian Sea over the south peninsular India and shear zone runs along Lat.10° N across South Peninsular India in lower tropospheric levels:
- ✓ Widespread light/moderate rainfall with **thunderstorm/lightning** very likely over Kerala & Mahe and Lakshadweep and scattered to fairly widespread rainfall over Karnataka and isolated to scattered over Andhra Pradesh, Telangana & Tamilnadu, Puducherry & Karaikal during next 5 days. Isolated **heavy rainfall** also likely over Coastal Karnataka on 01<sup>st</sup>; over Tamilnadu and South Interior Karnataka on 01<sup>st</sup> & 02<sup>nd</sup>; over Kerala & Mahe on 02<sup>nd</sup> & 03<sup>rd</sup> with isolated **heavy to very heavy rainfall** over Kerala & Mahe on 01<sup>st</sup> June, 2022.
  - ✓ **Squally weather** (wind speed 40-50 kmph gusting to 60 kmph) very likely over north Bay of Bengal on 01<sup>st</sup> & 02<sup>nd</sup>; over Southeast Arabian Sea along & off Kerala coast, Lakshadweep and Comorin Area. **Strong Winds** (wind speed 40-50 kmph gusting to 60 kmph) over Southwest Arabian Sea during next 5 days; over Southeast Arabian Sea on 01<sup>st</sup> & 02<sup>nd</sup>; Southwest Bay of Bengal, Gulf of Mannar on 01<sup>st</sup> & 02<sup>nd</sup> and Southwest Bay of Bengal on 03<sup>rd</sup> & 04<sup>th</sup> June, 2022. Fishermen are advised not to venture into these areas.

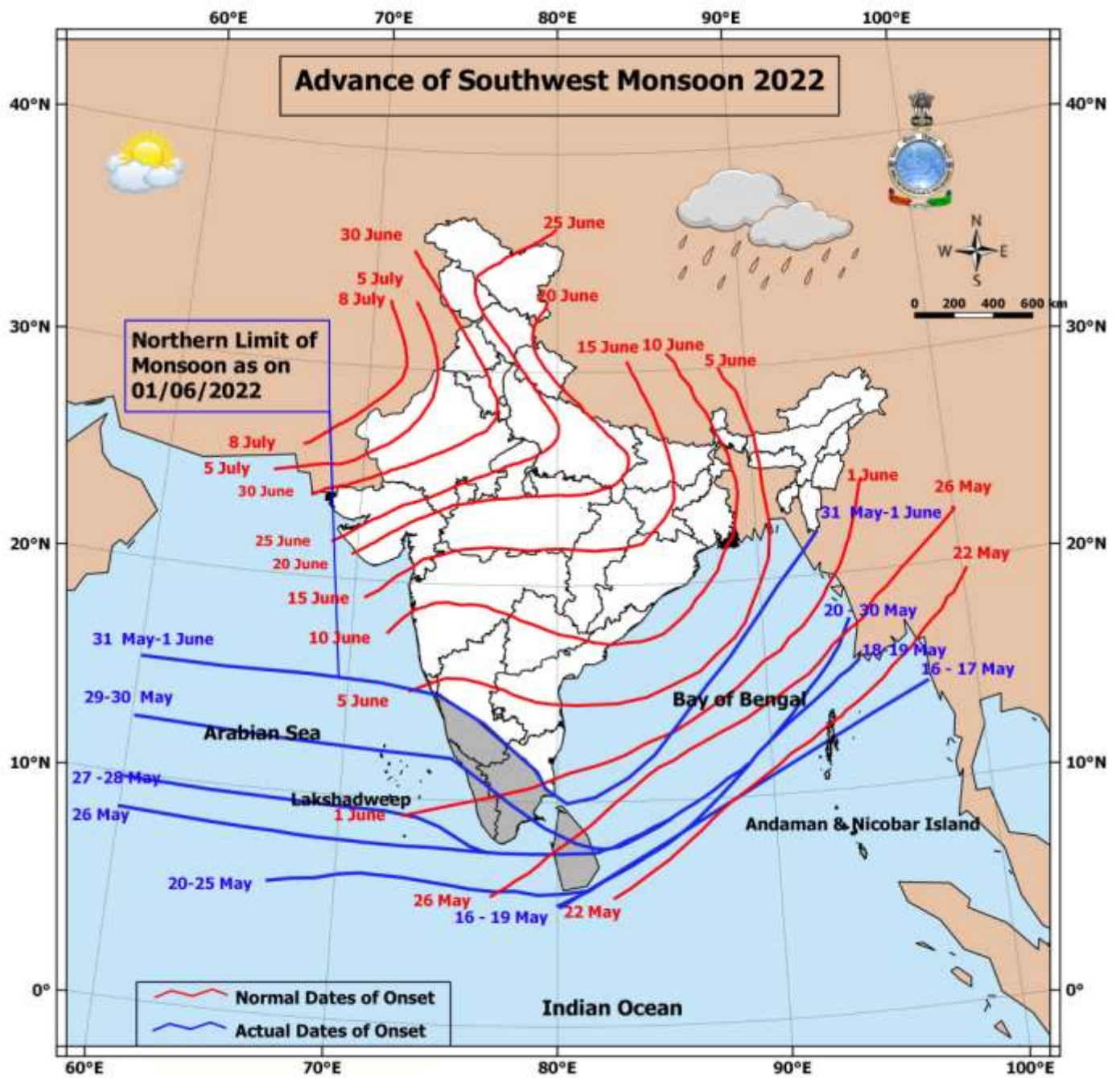
**Maximum Temperature forecast and Heat wave warnings:**

- ✓ Gradual rise in maximum temperatures by about 2°C very likely over most parts of Northwest & Central India during next 2 days and no significant change 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** very likely in isolated places over West Rajasthan on 2<sup>nd</sup> & 03<sup>rd</sup> June, 2022.

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



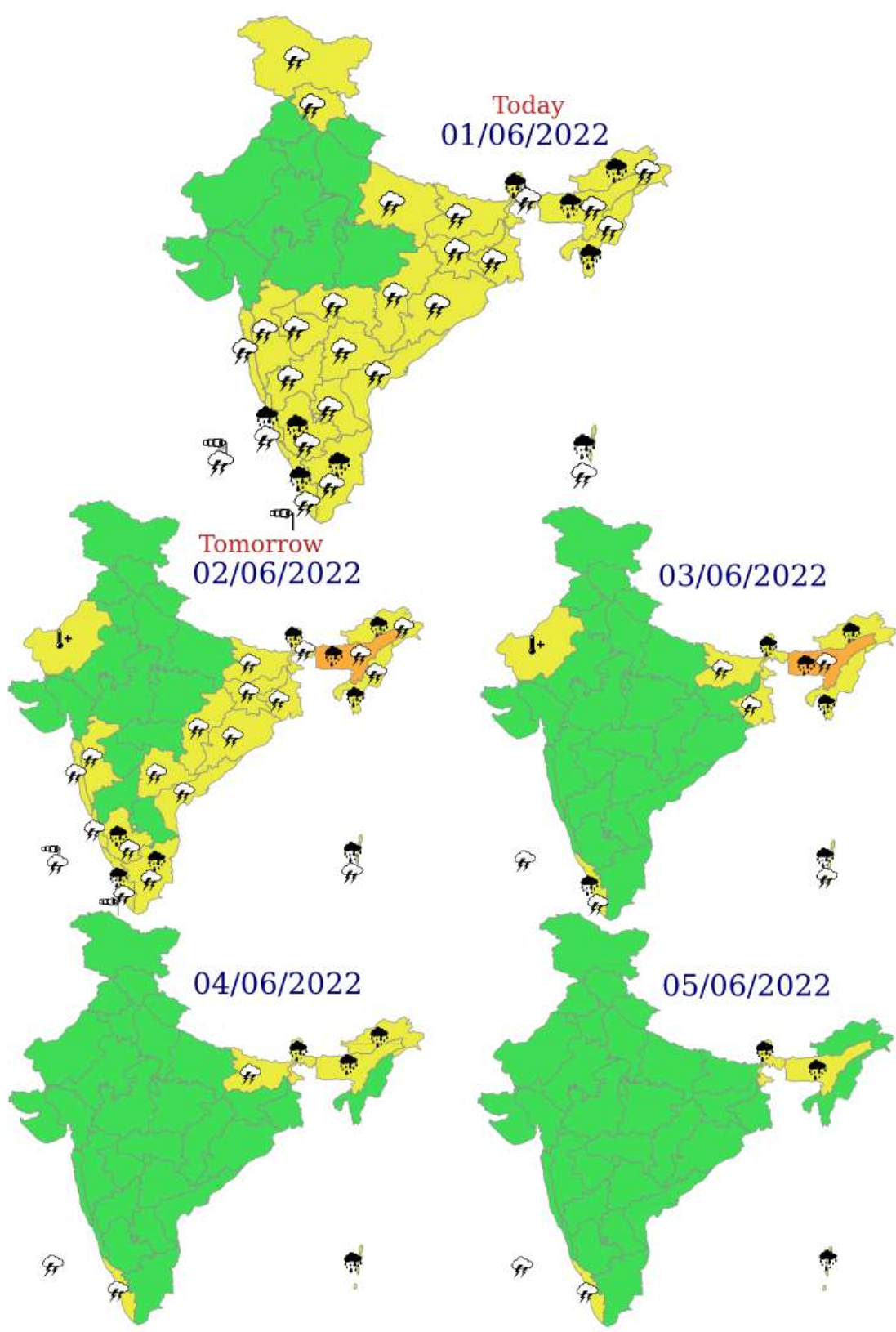
**Kerala & Mahe:** Kozhikode: Kozhikode-13, Quilandy-10; VadaKara-6, Puducherry (Mahe)-6;

**Assam & Meghalaya:** Silchar-12, Dibrugarh-4;

**Tamilnadu:** Rasipuram (dist Namakkal) 9, Lalgudi (dist Trichy), Valparai Taluk Office (dist Coimbatore), Sholayar (dist Coimbatore), Thalavadi (dist Erode) 6 each, Chinnakalar (dist Coimbatore), Erode (dist Erode), Ketti (dist Nilgiris), Veppanthattai (dist Perambalur) - 5 each;

**Sub-Himalayan West Bengal:** Darjeeling: Bagdogra and Champasari-7;

**Coastal & North Interior Karnataka:** Mulki (dist Dakshina Kannada) 7, Kakkeri (dist Yadgir)- 7.



**EXPECTED IMPACT & ACTION SUGGESTED due to Very Heavy Rainfall over Sub-Himalayan West Bengal & Sikkim and Assam & Meghalaya during 02<sup>nd</sup>-04<sup>th</sup> and over Arunachal Pradesh on 01<sup>st</sup> & 02<sup>nd</sup> June, 2022.**

**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