



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

**Press Release
Date: 30th May, 2022
Time of Issue: 1300 hrs IST**

Subject: Advancement of Southwest Monsoon into some parts of central Arabian Sea, remaining parts of Kerala, some more parts of Tamil Nadu, some parts of Karnataka, and some more parts of south & Central Bay of Bengal, some parts of northeast Bay of Bengal and northeastern states during next 3-4 days.

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

- Isolated **heavy rainfall** occurred over Bihar and Sub-Himalayan West Bengal & Sikkim. (Annexure-II)

Advancement of Southwest Monsoon:

- Conditions are favourable for further advance of southwest monsoon into some parts of central Arabian Sea, remaining parts of Kerala, some more parts of Tamil Nadu, some parts of Karnataka, and some more parts of south and Central Bay of Bengal, some parts of northeast Bay of Bengal and northeastern states during next 3-4 days. (Annexure-I)

Rainfall/thunderstorm Forecast & Warnings:

- Under the influence of monsoonal westerly winds from Arabian Sea over the south peninsular India in lower & middle tropospheric levels, a cyclonic circulation over southeast Arabian Sea off north Kerala-Karnataka coast and a trough from the this cyclonic circulation to Southwest Bay of Bengal at lower tropospheric levels:
 - ✓ Widespread light/moderate rainfall with **thunderstorm/lightning** very likely over Kerala & Mahe & Lakshadweep and isolated to scattered rainfall over Andhra Pradesh, Telangana, Karnataka and Tamilnadu, Puducherry & Karaikal during next 5 days. Isolated **heavy rainfall** also likely over Kerala & Mahe, Tamilnadu on 30th & 31st May and over Coastal Karnataka & South Interior Karnataka on 02nd & 03rd June, 2022.
 - ✓ **Squally weather** (wind speed 40-50 kmph gusting to 60 kmph) very likely over southwest Arabian Sea during next 5 days; over Southeast Arabian Sea, Lakshadweep area, along & off Kerala coast, Comorin area & Gulf of Mannar on 30th & 31st May; over Southeast Bay of Bengal on 31st May and south Andaman Sea on 02nd-03rd June, 2022. Fishermen are advised not to venture into these areas.
- Under the influence of east-west trough from northwest Rajasthan to north Bangladesh and southwesterly winds from Bay of Bengal to northeast India at lower tropospheric levels:
 - ✓ Fairly widespread/widespread light/moderate rainfall very likely over Northeast India and Sub-Himalayan West Bengal & Sikkim; and isolated to scattered rainfall with isolated/scattered **thunderstorm/lightning/gusty winds** over Bihar, Jharkhand, Odisha and Gangetic West Bengal next 5 days.

- ✓ Isolated **heavy rainfall** also likely over Mizoram & Tripura and Sub-Himalayan West Bengal & Sikkim during 30th May-03rd June; over Assam-Meghalaya during 31st May-02nd June; over Arunachal Pradesh during 01st-03rd June, 2022.

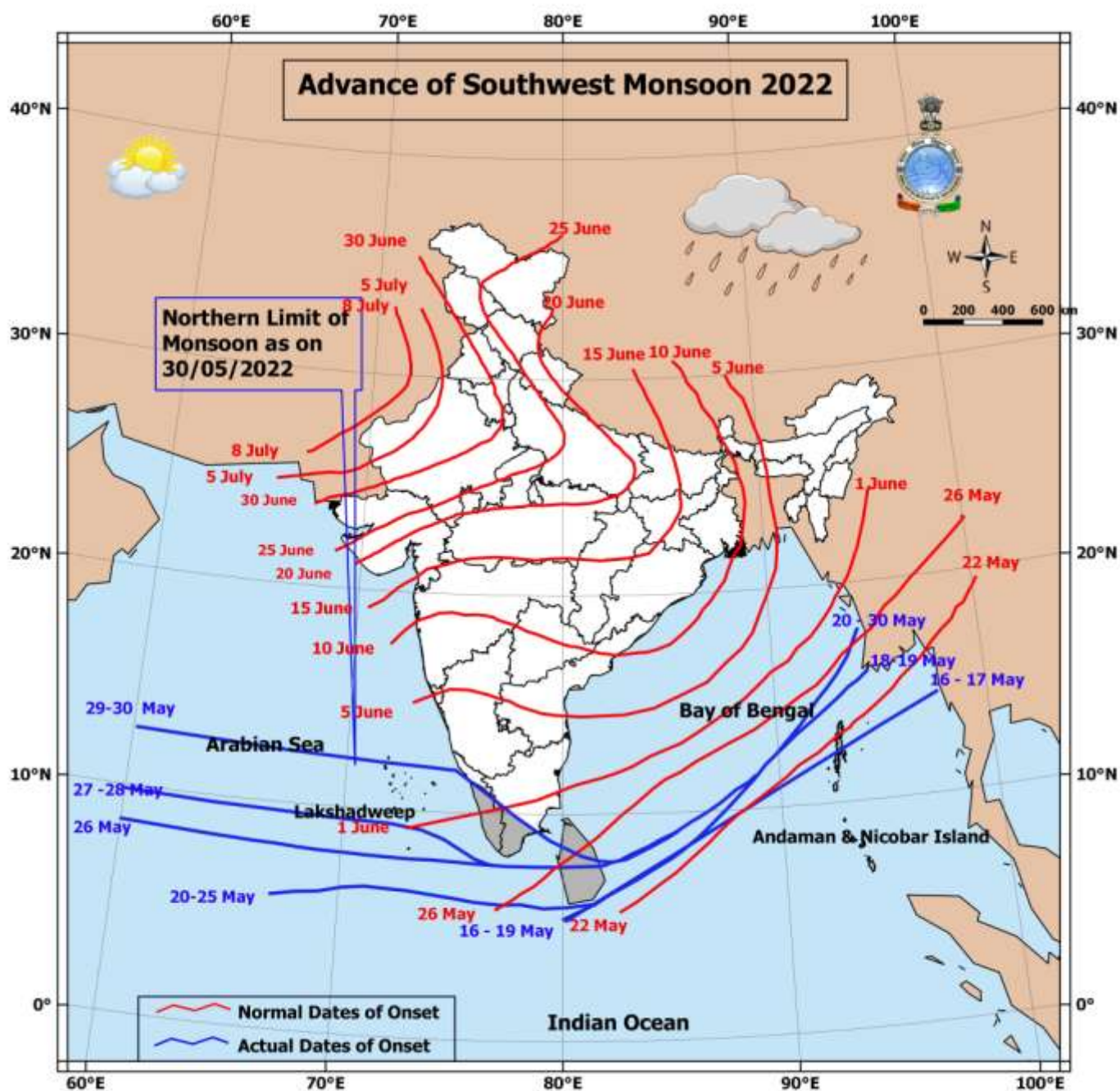
Maximum Temperature forecast and Heat wave warnings:

- ✓ Gradual rise in maximum temperatures by 2-3°C very likely over most parts of Northwest and East India during next 3 days and no significant change thereafter.
- ✓ No significant change in maximum temperatures very likely over Central India during next 2 days and rise by 2-3°C thereafter.
- ✓ No significant change in maximum temperatures very likely over rest parts of the country during next 5 days.

Heat wave warnings:

- ✓ No significant heat wave conditions very likely over the country during next 5 days.

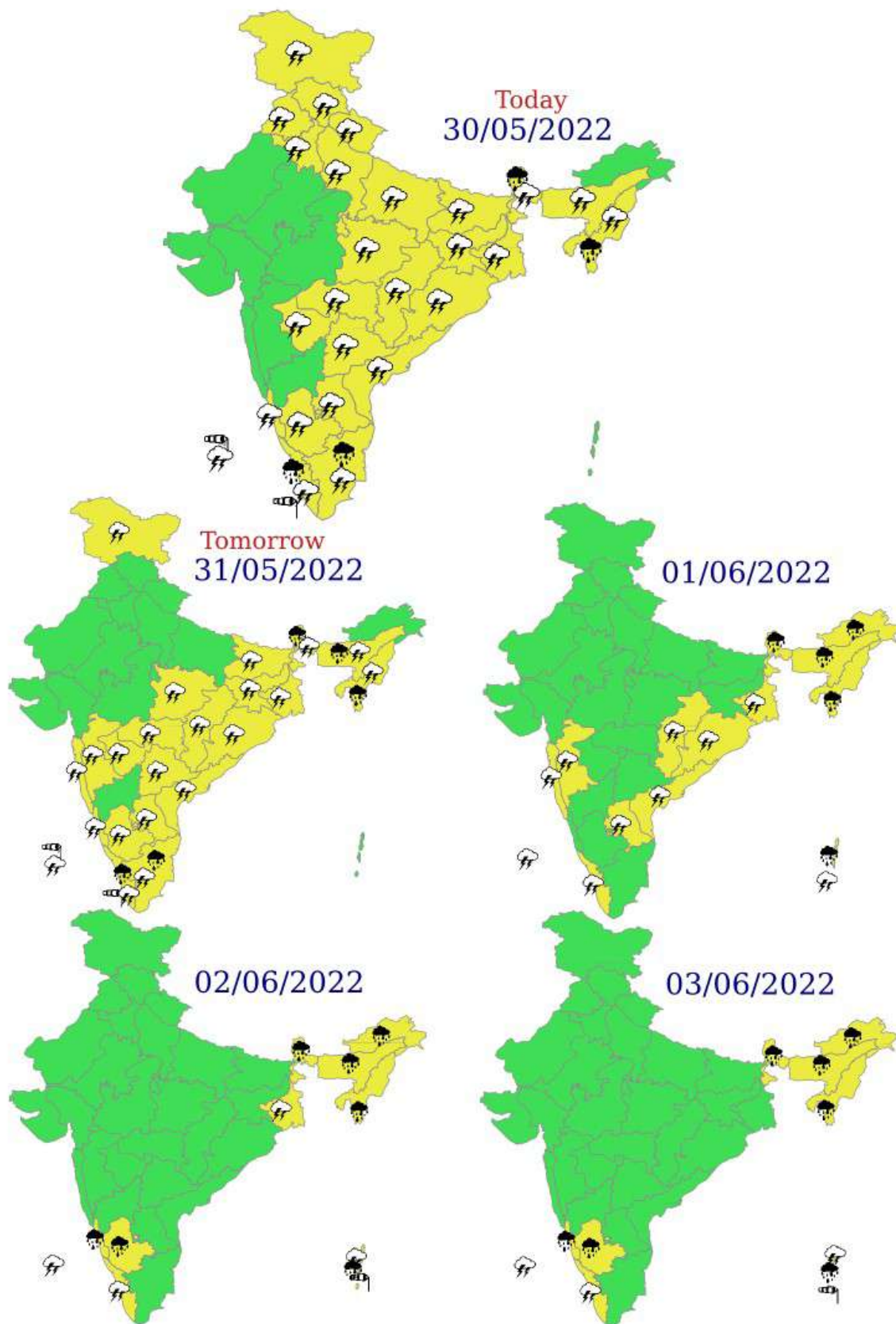
Multi-hazard warning is given in annexure-III.



Bihar: Aararia: Forbesganj -12, **Supaul:**Birpur-7,
Sub-Himalayan West Bengal & Sikkim: **Darjeeling:** Champasari-8;
Tamilnadu: **Kanyakumari:** Kuzhithurai-5, Pudukkottai, Perungalur-6; **Trichy:** TRP AP-5;

Kerala & Mahe: **Alapuzha:** Alapuzha-5; **Kottayam:** Kozha-5;

Telangana: **Dummugudem:** Kothagudem-5



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) |



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

