



Government of India
Ministry of Earth Sciences
India Meteorological Department

Press Release
Date: 31st May, 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 2-3 days.
ii) Rainfall activity over Northeast India likely to increase from tomorrow. Isolated heavy to very heavy falls very likely over Assam & Meghalaya and Sub-Himalayan West Bengal & Sikkim during 02nd-04th June.

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

- Isolated **heavy rainfall** occurred over Assam, Kerala, Tamilnadu and Sub-Himalayan West Bengal & Sikkim. (Annexure-II).
- Yesterday; fairly widespread light/moderate rainfall with isolated hailstorm was observed over Delhi NCR during 1600-1730 hrs IST with Squally Winds, speed reaching 50-60 kmph, over many parts of the region. Safdarjung and Palam reported squalls with maximum sustained winds of 100 kmph and 75 kmph respectively during the period.

Advancement of Southwest Monsoon:

- Southwest Monsoon has advanced over some more parts of central Arabian Sea, some parts of Karnataka, entire Kerala, some more parts of Tamil Nadu, entire southeast Bay of Bengal, some more parts of southwest Bay of Bengal, most parts of Eastcentral Bay of Bengal, some parts of Westcentral and Northeast Bay of Bengal. The Northern Limit of Monsoon (NLM) now passes 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 2-3 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:
 - ✓ Fairly widespread/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 Kerala & Mahe, Tamilnadu and South Interior Karnataka on 31st May, 2022.

- ✓ **Squally weather** (wind speed 40-50 kmph gusting to 60 kmph) very likely over Westcentral & Northwest Arabian Sea on 31st May; Southeast Arabian Sea along & off Kerala coast & Lakshadweep, Comorin area & Gulf of Mannar on 31st May & 01st June; over Southwest Arabian Sea during next 5 days; over Southeast Bay of Bengal & adjoining south Andaman Sea during 02nd-04th June and over Southwest Bay of Bengal, Gulf of Mannar & south Tamilnadu coast during 02nd-04th June, 2022. Fishermen are advised not to venture into these areas.
- Lower level Southwesterly winds from Bay of Bengal to northeast India are very likely to strengthen from 02nd June. Under its influence:
 - ✓ Rainfall activity is likely to increase over Northeast India from tomorrow, the 1st June, 2022 with widespread light/moderate rainfall with isolated **heavy to very heavy falls** very likely over Assam & Meghalaya and Sub-Himalayan West Bengal & Sikkim during 02nd-04th June. Isolated **heavy rainfall** very likely over Mizoram & Tripura during 31st May-02nd June; over Arunachal Pradesh during 01st-04th June.
 - ✓ Isolated/scattered rainfall with **thunderstorm/lightning/gusty winds** very likely over Bihar, Jharkhand, Odisha and Gangetic West Bengal next 5 days.
- A fresh Western Disturbance seen as a trough with its axis at 5.8 km above mean sea level runs roughly along Long.65°E & to north of Lat.32°N. An east-west trough runs from Haryana to Bangladesh at lower tropospheric levels. Under their influence:
 - ✓ Isolated/scattered light rainfall very likely over Jammu & Kashmir and Himachal Pradesh during next 3 days; and Punjab, Haryana, West Uttar Pradesh, East Rajasthan & Uttarakhand during next 24 hours. Isolated **thunderstorm/lightning/gusty winds** also likely over these areas during next 24 hours.

Maximum Temperature forecast and Heat wave warnings:

- ✓ Gradual rise in maximum temperatures by 2-3°C very likely over most parts of Northwest & Central India during next 3 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:

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

Multi-hazard warning is given in annexure-III.

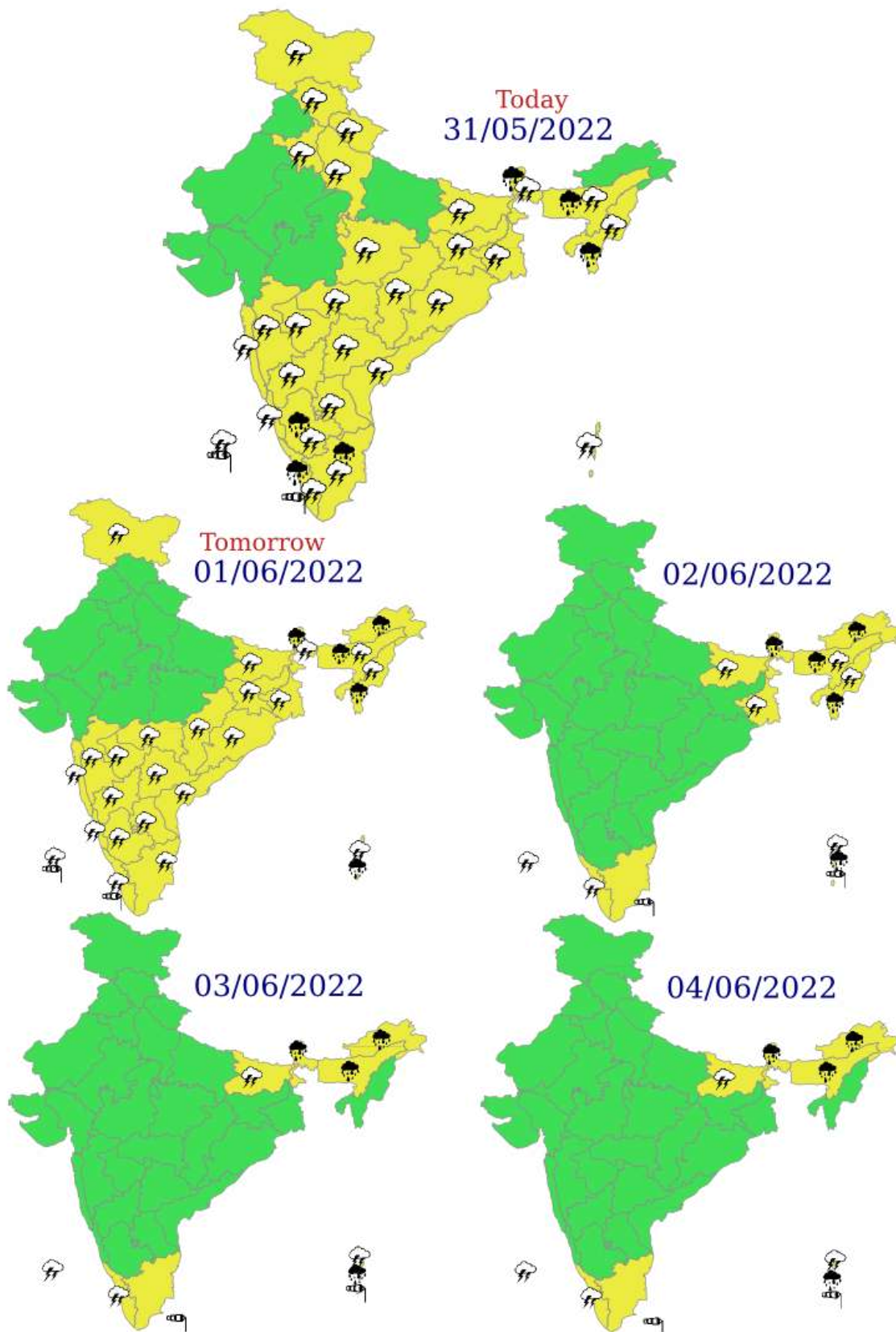
Sub-Himalayan West Bengal & Sikkim: North Dinajpur: Raiganj-8;

Kerala & Mahe: Kannur: Irikkur-10, Mattanur & Cheruvanchery-8 each,

Tamilnadu: Shivganga: Tirupuvanam-10; **Nilgiris:** Devala-8,

Assam: Gharmura-8,

Karnataka: Guntur: Sattenapalle-4, **YSR District:** LAKKIREDDIPALLE-4, PRODDUTUR-3



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