



Government of India
Ministry of Earth Sciences
India Meteorological Department

Press Release
Date: 13th June, 2022
Time of Issue: 1330 hrs IST

Subject: i) Southwest Monsoon has further advanced into some more parts of Arabian Sea, some parts of Gujarat state, entire Konkan, most parts of Madhya Maharashtra, most parts of Marathwada and Karnataka, Some parts of Telangana and Rayalaseema, some more parts of Tamil Nadu, most parts of Sub-Himalayan West Bengal, some parts of Bihar today, the 13th June, 2022.

ii) 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 **extremely heavy rainfall** occurred over Meghalaya; **heavy to very heavy rainfall** over Assam and **heavy rainfall** over Kerala & Mahe, Coastal Andhra Pradesh & Yanam, Sub-Himalayan West Bengal & Sikkim, West Madhya Pradesh, Konkan & Goa, Gujarat Region, Coastal Karnataka, Tamilnadu and Telangana: (Annexure I)
- Yesterday, **heat wave conditions** prevailed in some pockets over Delhi and in isolated pockets over south Haryana, Jharkhand, South Uttar Pradesh, Southwest Bihar and north Odisha.
- Isolated **hailstorm** observed over Uttarakhand and Vidarbha.

Advance of Southwest Monsoon:

- Southwest Monsoon has further advanced into some more parts of Arabian Sea, some parts of Gujarat state, entire Konkan, most parts of Madhya Maharashtra, most parts of Marathwada and Karnataka, Some parts of Telangana and Rayalaseema, some more parts of Tamil Nadu, most parts of Sub-Himalayan West Bengal, some parts of Bihar today, the 13th June, 2022
- The **Northern Limit of Monsoon (NLM)** now passes 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 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 Telengana, some more parts of Andhra Pradesh, Westcentral & northwest Bay of Bengal during next 48 hours.
- Conditions would continue to become favorable for further advance of monsoon into some more parts of Telengana, Andhra Pradesh, 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 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, Assam & Meghalaya and Sub-Himalayan West Bengal & Sikkim during next 5 days and **heavy rainfall** over Nagaland & Manipur during 15th-17th June. Isolated **extremely heavy rainfall** also likely over Assam & Meghalaya during 13th-17th June and over Arunachal Pradesh on 15th & 16th June.
 - Rainfall activity likely to increase over Bihar, Jharkhand, Odisha and Gangetic West Bengal with fairly widespread to widespread rainfall with **thunderstorm/lightning/gusty winds** during 15th-17th June.
 - Isolated/scattered 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 & Chhattisgarh during 14th-16th June and over Vidarbha on 15th June.
- Under the influence of an off-shore trough and strong 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 Konkan & Goa on 13th, over Kerala & Mahe during 15th-17th; over Coastal Karnataka on 13th, 16th & 17th; over Tamilnadu, Puducherry & Karaikal on 15th and over Telangana during 13th-15th June, 2022.
- Under the influence of consecutive 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) during 13th-15th becoming fairly widespread to widespread rainfall over western Himalayan region and scattered to fairly widespread rainfall over Punjab, Haryana, Chandigarh & Delhi & East Uttar Pradesh on 16th & 17th June.
 - Isolated **heavy rainfall** likely over Jammu, Kashmir, Ladakh, Gilgit- Baltistan & Muzaffarabad, Himachal Pradesh, Uttarakhand, north Punjab and north Haryana on 16th June.

Maximum Temperature forecast and Heat wave warnings:

- 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 during next 2 days and gradual fall 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: Heat wave conditions in isolated places very likely over

- South Haryana-Delhi, southeast Uttar Pradesh, southwest Bihar, Jharkhand and north Odisha on 13th June.

Multi-hazard warning is given in annexure III

Rainfall (in cm): Meghalaya: Sohra, Mawkyrwat(arg and Shella-33, Mawkyrwat-32, Williamnagar-22, Ruchbelpara-14, Khliehriat -13, Jowai-12, Khliehriat (arg)-10, Tikrikilla and Mawphlang-9 and Tura-7

Assam : Dhubri-14, Dudhnoi Kvk (Aws)-12, Dhudnoi(arg)-10, Goalpara-6.

Kerala & Mahe: Kannur: Kannur-9; Kozhikode: Quilandy-10, Vada-kara-9; Wayanad: Vythiri-6.

Coastal Andhra Pradesh & Yanam: Vizianagaram: Vepada-9.

Sub-Himalayan West Bengal & Sikkim: Cooch Behar: Pundibari-8, Cooch Behar, Mathabhanga-7 each, East Sikkim: Gangtok-7.

West Madhya Pradesh: Barwani: Sendhwa-8.

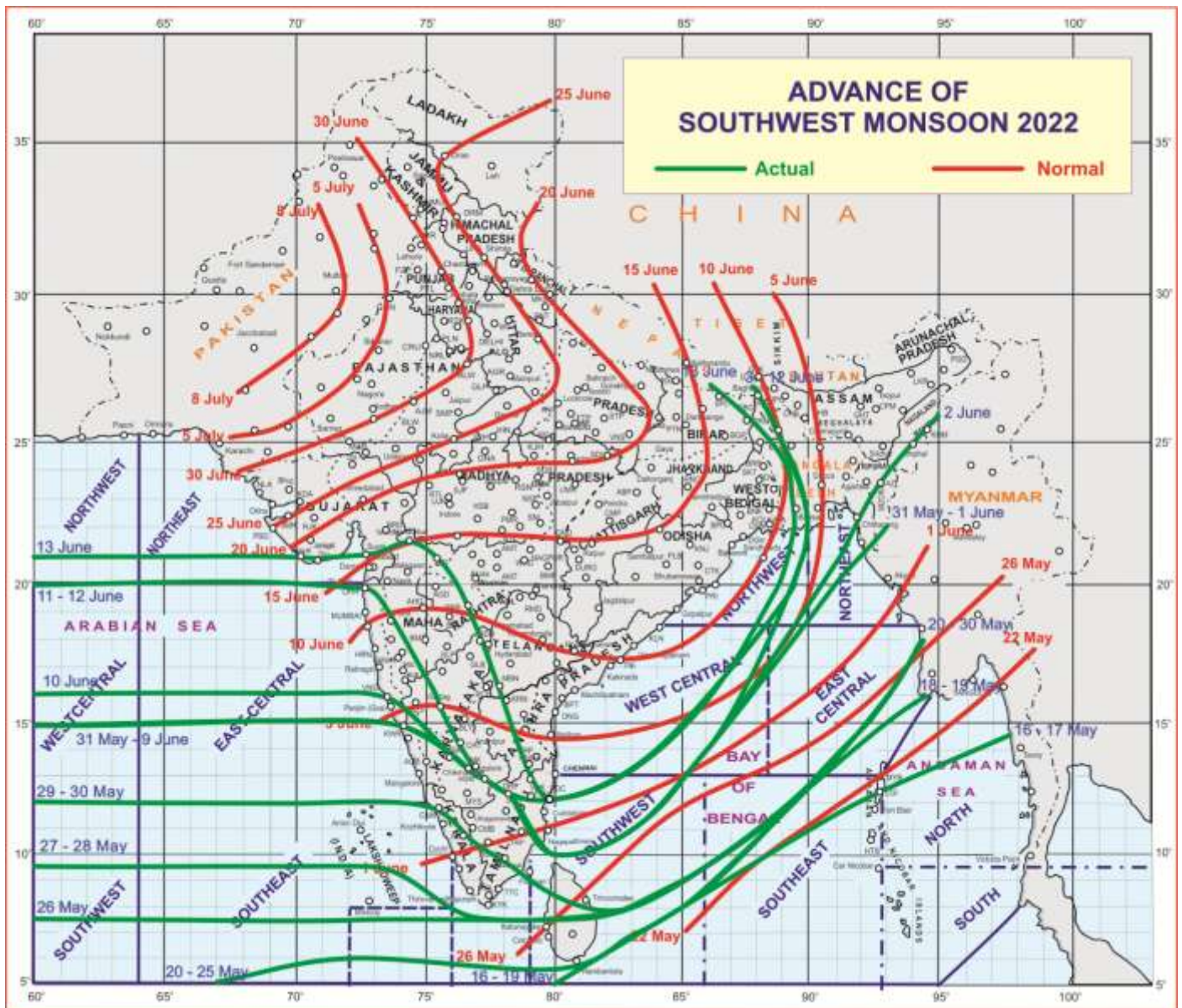
Konkan & Goa: North Goa: Pernem-8; Sindhudurg: Malvan-7; South Goa: Dabolim N.a.s. Navy-7.

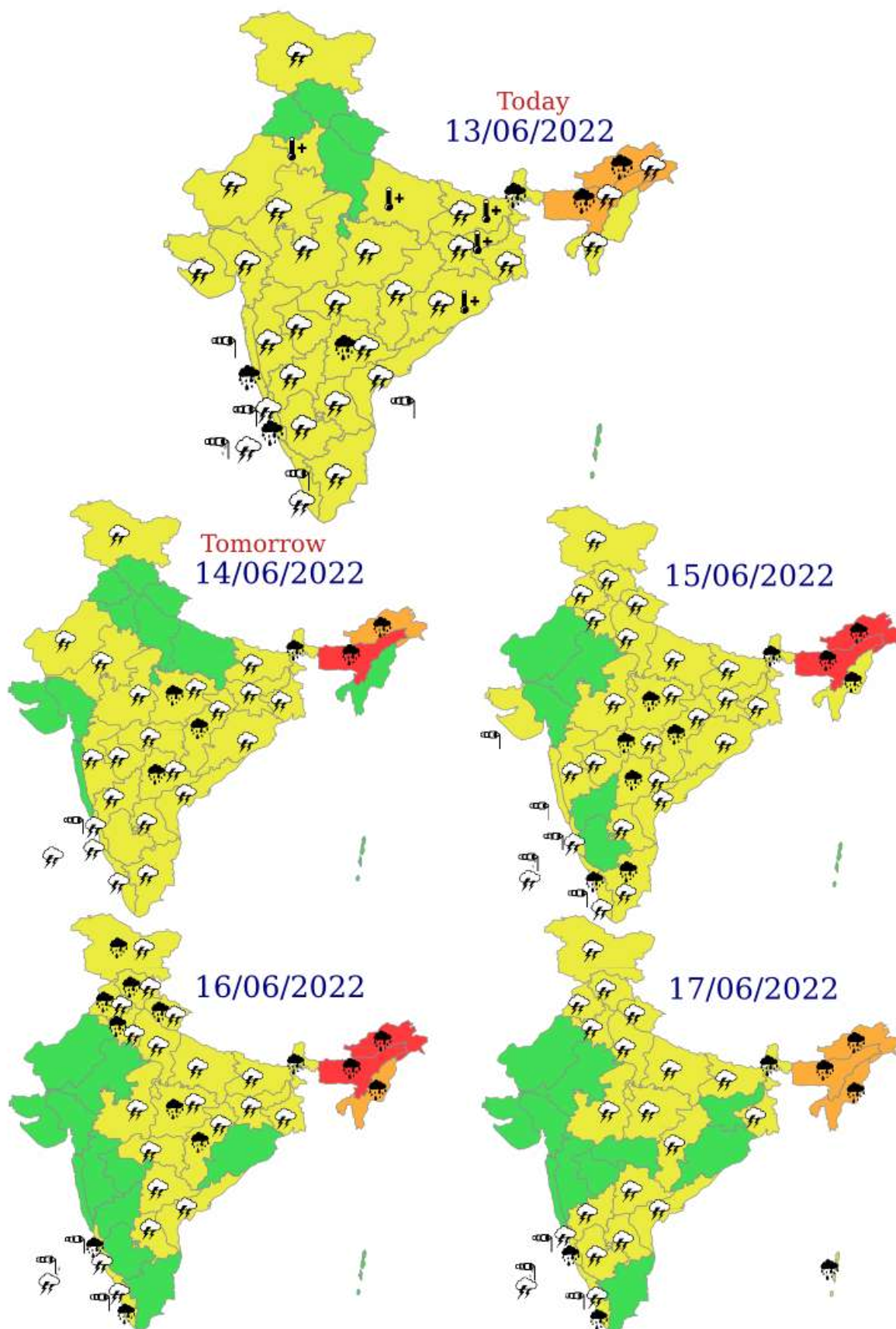
Gujarat Region: Dahod: Dahod_kv k aws-6; Mahisagar: Santrampur-8.

Coastal Karnataka: Uttara kannada: Karwar-8

Tamilnadu: Tiruvallur: R.K.Pet -7; Dharmapuri: Hogenekal-6.

Telangana: Mancherial: Kotapalle-7.





EXPECTED IMPACT & ACTION SUGGESTED due to very heavy/extremely heavy rainfall over Assam & Meghalaya & Arunachal Pradesh during next 5 days.

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