



Government of India
Ministry of Earth Sciences
India Meteorological Department

Press Release
Date: 15th June, 2022
Time of Issue: 1300 hrs IST

Subject: i) Southwest Monsoon has further advanced into some more parts of Marathwada, entire Karnataka and Rayalaseema and Tamil Nadu, some parts of coastal Andhra Pradesh, northwest & westcentral Bay of Bengal on today, the 15th 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, Sub-Himalayan West Bengal & Sikkim, Telangana, Rayalaseema and **heavy rainfall** over Arunachal Pradesh, Coastal Andhra Pradesh, Saurashtra, Chhattisgarh, South Interior Karnataka and Tamilnadu. (**Annexure I**)
- Yesterday, **heat wave conditions** prevailed in isolated pockets over north interior Odisha, Jharkhand, East Uttar Pradesh and Southwest Bihar.

Advance of Southwest Monsoon:

- Southwest Monsoon has further advanced into some more parts of Marathwada, entire Karnataka and Rayalaseema and Tamil Nadu, some parts of coastal Andhra Pradesh, northwest & westcentral Bay of Bengal on today, the 15th 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, Medak, Rentachintala, Machilipatnam, Lat. 17°N/ Long. 84°E, Lat. 18.5°N/ Long. 87°E, Lat.22.0°N/90°E, Lat.25.0°N/89°E, Balurghat and Supaul, 26.50°N/86°E (**Annexure II**).
- Conditions are favorable for further advance of monsoon into some parts of 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 next 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 and a trough in westerlies along Long. 86°E to the north of Lat. 22°N in middle tropospheric levels:
 - Widespread thundershowers with isolated **heavy to very heavy rainfall** very likely over northeast India and adjoining Sub-Himalayan West Bengal & Sikkim during next 5 days. Isolated **extremely heavy rainfall** also likely over Arunachal Pradesh on 15th June; over Assam & Meghalaya on 15th & 16th June and over Sub-Himalayan West Bengal & Sikkim during 15th-17th June, 2022.

- 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 during 16th-19th; Gangetic West Bengal on 16th & 17th and over Bihar during 15th-19th June.
- Scattered to fairly widespread rainfall with **thunderstorm/lightning/gusty winds** very likely over Madhya Pradesh, Vidarbha and Chhattisgarh during next 5 days. Isolated **heavy rainfall** likely over Chhattisgarh during next 5 days; over East Madhya Pradesh during 15th-17th June and over Vidarbha on 19th June.
- Under the influence of westerly winds along the west coast and a trough from South Interior Karnataka to Comorin area in lower tropospheric levels:
 - Fairly widespread/ widespread rainfall with **thunderstorm/lightning** very likely over Coastal Karnataka, Konkan & Goa, Kerala & Mahe and Lakshadweep and scattered to fairly widespread rainfall likely over Madhya Maharashtra, Marathwada, Andhra Pradesh & Yanam, Telangana and Tamilnadu, Puducherry & Karaikal during next 5 days.
 - Isolated **heavy rainfall** very likely over Coastal Andhra Pradesh, Rayalaseema, Kerala & Mahe, South Interior Karnataka during next 5 days; Telangana during 15th-17th; Tamilnadu, Puducherry & Karaikal during 15th-18th; coastal Karnataka during 16th-19th and over south Konkan & Goa on 18th & 19th June, 2022.
- Under the influence of Western Disturbances and lower level easterlies:
 - 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 15th becoming fairly widespread to widespread rainfall over Western Himalayan region and scattered to fairly widespread rainfall over Punjab, Haryana, Chandigarh & Delhi & Uttar Pradesh during 16th-18th June.
 - Isolated **heavy rainfall** likely over Jammu division, Himachal Pradesh & Uttarakhand on 17th June.

Maximum Temperature forecast and Heat wave warnings:

- No significant change in maximum temperatures very likely over most parts of Northwest India during next 24 hours and fall by 2-4° C thereafter.
- Gradual fall in maximum temperatures by 2-4° C very likely over East 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: Heat wave conditions in isolated places very likely over Himachal Pradesh, Uttarakhand, south Uttar Pradesh and southwest Bihar on today, the 15th June.

Multi-hazard warning is given in annexure III

Rainfall (in cm):

Assam & Meghalaya: Cherrapunji(RKM)-91, Cherrapunji-81, Mawkyrwat-30, Panbari-29, Tamulpur-26, Bongaigaon, Khliehriat, Barpeta-25 each, Mawphlang-23, Shella-22, Jowai-21, Goalpara, Nalbari-19, Dhubri, Bahalpur, Jowai-17 each, Karimganj-15, Gossaigaon-14, Nongstein-13, Matunga, Tikrikilla, Tinsukia-12 each, Majbat-11, Puthimari, Shillong-10 each, Williamnagar, Dhemaji, Udalguri) 9, Guwahati, Mangalda, Lakhimpur-7 each

Rayalaseema: Ysr District: Proddutur-17, Chapad-12, Rajampet-8, Kondapuram-7, Kurnool: Kurnool-14, Nandikotkur, Jupadu Bungalow-7 each, Chittoor: Venkatagiri Kota-9, Anantapuramu: Anantpur-8, Amadagur-7

Sub-Himalayan West Bengal & Sikkim: Jalpaiguri: Kumargram-12, Neora-9, Murti, Nagarkata-8 each, Bharobhisha-8, Diana, Buxaduar-7 each; Darjeeling: Rongo-9; Cooch Behar: Pundibari-9, Cooch Behar-7, East Sikkim: Majitar-9, Khanitar-8.

Telangana: Rangareddy: Ibrahimpatnam-12, Yacharam-7, Nagarkurnool: Achampeta-9, Kollapur-8, Nalgonda: Devarakonda-10, Wanaparthy: Wanaparthy-10, Peddamandadi-9, Gopalpet-7

Tamilnadu: Perambalur: Perambalur-11, Kallakurichi: Moongilthuraipattu-11, Tirupathur: Vaniyambadi-7

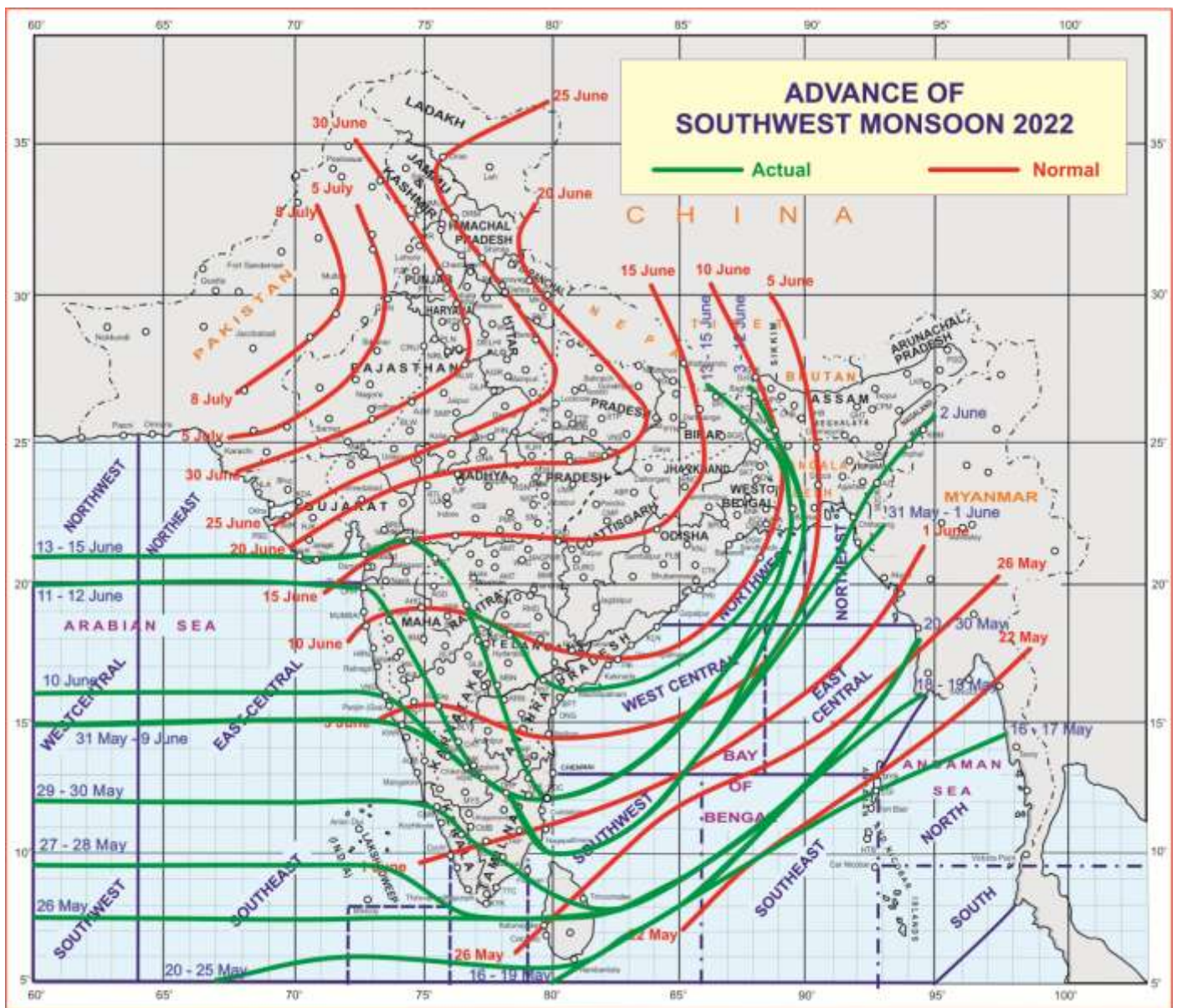
Arunachal Prdaesh: Kurung Kumey: Koloriang-10, Papumpara: Itanagar-8, East Siang: Pasighat-8, Lower Dibang Valley: Roing-8,

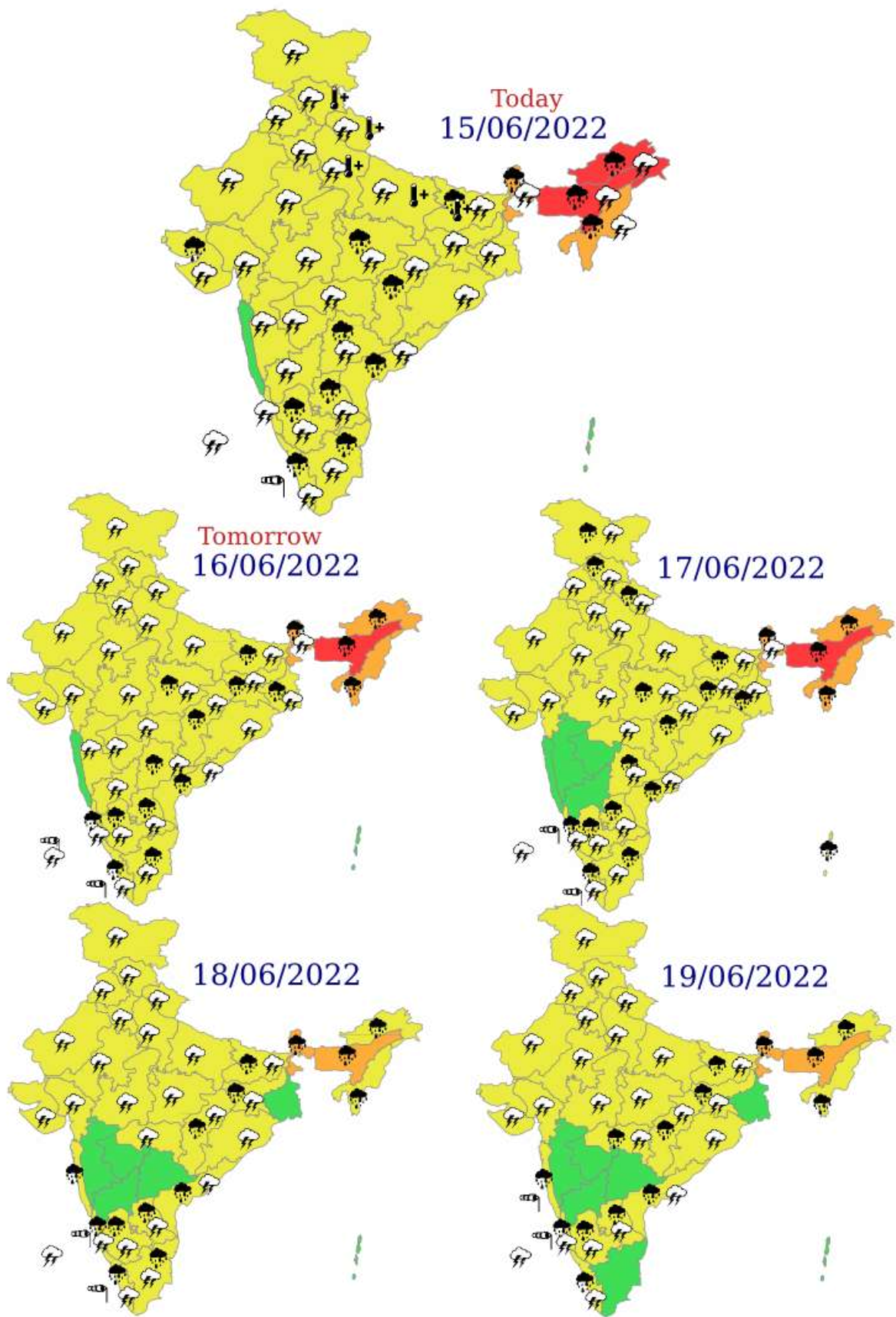
Coastal Andhra Pradesh: Nellore: Atmakur-10

South Interior Karnataka: Mysuru-8

Chhattisgarh: Bilaspur: Pendra Road-7

Saurashtra & Kutch: Devbhoomi Dwarka: Khambhalia-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, over Nagaland Manipur, Mizoram & Tripura during 15th-17th and over Bihar on 16th & 17th 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.

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