



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

**Press Release
Date: 16th June, 2022
Time of Issue: 1300 hrs IST**

Subject: i) Southwest Monsoon has further advanced into some more parts of North Arabian Sea, Gujarat State, entire Madhya Maharashtra and Marathwada, some parts of south Madhya Pradesh, most parts of Vidarbha, entire Telangana, some parts of south Chhattisgarh, and south Odisha, most parts of Coastal Andhra Pradesh, some more parts of Westcentral & northwest Bay of Bengal today, the 16th 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 Assam & Meghalaya and Sub-Himalayan West Bengal & Sikkim; **heavy to very heavy rainfall** over Nagaland-Tripura, Uttarakhand and Telangana and **heavy rainfall** over Arunachal Pradesh, Gujarat state, Chhattisgarh, East Madhya Pradesh, Coastal Andhra Pradesh, Coastal Karnataka, Kerala and Tamilnadu (**Annexure I**).
- Yesterday, **heat wave conditions** prevailed in isolated pockets over Himachal Pradesh, Uttar Pradesh and Bihar.

Advance of Southwest Monsoon:

- Southwest Monsoon has further advanced into some more parts of North Arabian Sea, Gujarat State, entire Madhya Maharashtra and Marathwada, some parts of south Madhya Pradesh, most parts of Vidarbha, entire Telangana, some parts of south Chhattisgarh, and south Odisha, most parts of Coastal Andhra Pradesh, some more parts of Westcentral & northwest Bay of Bengal today, the 16th June, 2022
- The Northern Limit of Monsoon (NLM) now passes through Lat. 22°N/ Long. 60°E, Lat. 22°N/ Long. 65°E, Porebandar, Bhavnagar, Khandwa, Gondia, Durg, Bhawanipatna, Kalingapatnam, Lat. 22.0°N/ 89.5°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, Gujarat State, Madhya Pradesh, remaining parts of Vidarbha, Andhra Pradesh and Westcentral & northwest Bay of Bengal, some more parts of Chhattisgarh and Odisha, some parts of Gangetic West Bengal, Jharkhand, remaining parts of Sub-Himalayan West Bengal and some more parts of Bihar, some parts of east Uttar Pradesh 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:
 - 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 Assam & Meghalaya during 16th-18th June; over Arunachal Pradesh on 16th and over Sub-Himalayan West Bengal & Sikkim on 16th & 17th June, 2022.
 - Fairly widespread to widespread rainfall with **thunderstorm/lightning/gusty winds** very likely over Bihar, Jharkhand, Odisha and Gangetic West Bengal during next 5 days. Isolated **heavy rainfall** likely over Jharkhand & Bihar during 16th-19th; Odisha on 16th & 17th June. Isolated **very heavy falls** also likely over Bihar during 16th-18th 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 East Madhya Pradesh & Chhattisgarh during next 5 days and over Vidarbha on 18th & 19th June.
- Under the influence of westerly winds along the west coast and a trough from Rayalaseema 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, coastal & South Interior Karnataka during next 5 days; Telangana during 16th-19th; Tamilnadu, Puducherry & Karaikal during 16th-18th; over south Konkan & Goa during 18th-20th and over south Madhya Maharashtra on 20th June, 2022.
- Under the influence of Western Disturbances and lower level easterlies:
 - Fairly widespread to widespread rainfall with **thunderstorm/lightning** very likely over Western Himalayan region (Jammu, Kashmir, Ladakh, Gilgit- Baltistan & Muzaffarabad, Himachal Pradesh, Uttarakhand); scattered to fairly widespread rainfall over adjoining plains (Punjab, Haryana, Chandigarh & Delhi, Uttar Pradesh) and isolated rainfall over Rajasthan during next 5 days.
 - Isolated **heavy rainfall** likely over Jammu division, Himachal Pradesh, Uttarakhand & Punjab on 17th June.

Maximum Temperature forecast and Heat wave warnings:

- No significant change in maximum temperatures very likely over rest parts of the country during next 5 days.

Multi-hazard warning is given in annexure III

Rainfall (in cm):

Meghalaya: Sohra (ARG)-70, Sohra (RKM)-68, Mawkyrwat-36, Khliehriat-28, Jowai (AWS) & Mawphlang-23, Nongstoin-11, Baghmara-7;

Assam: Kokrajhar & Gosaingaon-32, AIE NH XING-27, Hazuwa-26, Mushalpur & Dhemaji-25, Bijni-24, Goalpara & Nalbari-23, Beki-Mathanguri-22, Barpeta-19, Chamata-18, Manikpur & Baksa-17, Tihu & Motunga-16, Tamulpur & Haflong-15, Udalguri-14, Tangla-13;

Sub-Himalayan West Bengal & Sikkim: Jalpaiguri: Chepan-23, Hasimara-22, Alipur Duar-21, Bharobhisha-20, Kumargram-17, Falakata-14, Buxaduar & Gajoldoba-13, NH 31 Bridge-11, Neora-7; Cooch Behar: Mathabhanga-14, Cooch Behar-12, Pundibari-8; Darjeeling: Champasari & Bagdogra-11; **Nagaland, Manipur, Mizoram & Tripura:** Tening-12, Amarpur-8;

Arunachal Prdaesh: Bhalukpong & Yupia-10, Roing-9, Itanagar-8, Pasighat-7;

Uttarakhand: Tehri-12;

Telangana: Mahabubabad-15, Mudhole-13, Mulakalapalle-12, Aswaraopeta-9, Parvathagiri, Velagatoor, Karimnagar-7 each;

Tamilnadu: Ranipet: Kalavai-11, Kaveripakkam-9, Ramanathapuram: Paramakudi-10, Villupuram: BASL Mugaiyur-9, RSCL-2 Kedar-8, Soorapattu-7, Tiruvannamalai: Kilpennathur-9, Thiruchirappalli: Kallakudi-9, Pudukkottai: Annavasal-8, Karaiyur, Kudimiyanmalai-7 each, Sivagangai: Thiruppuvanam-8, Perambalur: Veppanthattai, Labbaikudikadu-7 each, Ariyalur: THirumanur-7;

Coastal Andhra Pradesh: West Godavari: Koyyalagudem-10, Kukunoor-8;

Kerala: Ernakulam: Odakkali, Neeleswaram-7;

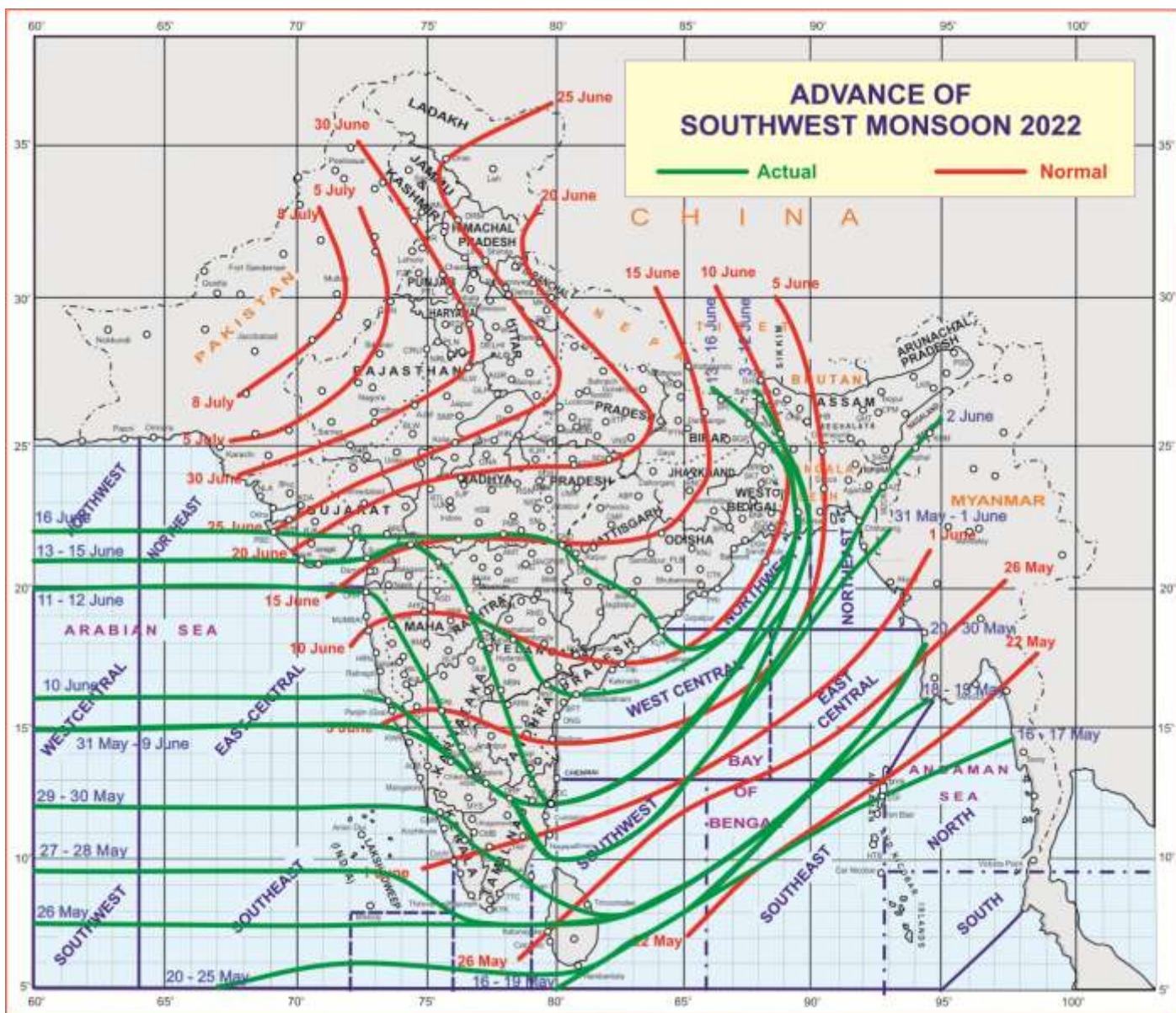
Coastal Karnataka: Belthangadi-7;

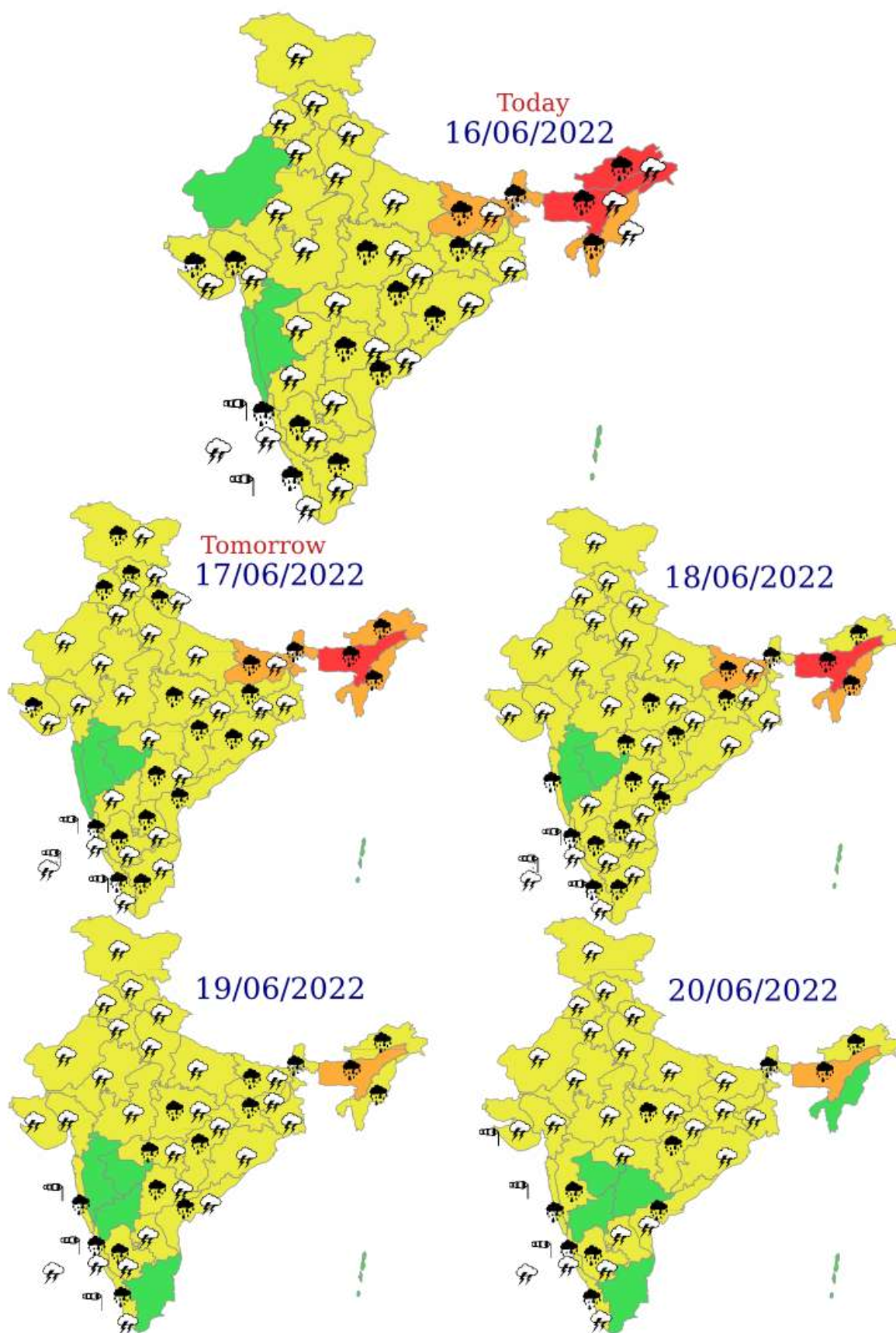
Chhattisgarh: Korba: Katghora-8;

East Madhya Pradesh: Narayanganj & Tamia-7 each;

Saurashtra & Kutch: Junagadh: Mangrol-8, Manavadar-7;

Gujarat Region: Kheda: Mahemdavad-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 and Bihar during 16th-18th 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