



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

**Press Release
Date: 11th June, 2023
Time of Issue: 1345 hours IST**

**Subject: i) Extremely Severe Cyclonic Storm “Biparjoy” likely to cross Saurashtra & Kutch and adjoining Pakistan coasts between Mandvi (Gujarat) and Karachi (Pakistan) around noon of 15th June with maximum sustained wind speed of 125-135 kmph gusting to 150 kmph.
ii) Heat wave conditions likely over parts of Northwest, East and north peninsular India during next 3-5 days.
iii) Widespread rainfall with isolated heavy to very heavy falls over northeast India during next 05 days.**

Weather observed during past 24 hours ending at 0830 hrs IST of today (Annexure I):

Advance of Southwest Monsoon (Annexure II)

- ❖ The Southwest monsoon has further advanced into some more parts of central Arabian Sea, some more parts of Karnataka, Goa, some parts of Konkan, most parts of Tamil Nadu and Puducherry, some parts of Andhra Pradesh, entire southwest and some more parts westcentral Bay of Bengal, some more parts of northwest Bay of Bengal and remaining parts of northeast Bay of Bengal today, the 11th June.
- ❖ The Northern Limit of Monsoon (NLM) now passes through Lat. 16.5°N/Long. 55°E, Lat. 17.0°N/Long. 60°E, Lat. 17°N/Long. 65°E, Lat. 17°N/ Long. 70°E, Ratnagiri, Shivamogga, Hassan, Dharmapuri, Shriharikota, Lat. 15.0°N/Long. 83.0°E, 18.0°N/87.0°E, 21°N/90.0°E, 23.5°N /90.5°E, Dhubri, 28°N/89°E.
- ❖ Conditions are favourable for further advance of Southwest monsoon into some more parts of central Arabian Sea, some more parts of Karnataka, some more parts of Maharashtra, remaining parts of Tamil Nadu, some more parts of Andhra Pradesh, westcentral Bay of Bengal, northwest Bay of Bengal, remaining parts of northeastern states and some parts of Sub-Himalayan West Bengal & Sikkim and Bihar during next 48 hours.

Extremely Severe Cyclonic Storm “Biparjoy” (pronounced as “Biporjoy”) over eastcentral Arabian Sea

The extremely severe cyclonic storm “Biparjoy” (pronounced as “Biporjoy”) over eastcentral Arabian Sea moved north-northeastwards with a speed of 8 kmph during past 6-hours and lay centered at 0830 hours IST of today, the 11th June, 2023 over the same region near latitude 18.0°N and longitude 67.6°E, about 560 km west of Mumbai, 460 km south-southwest of Porbandar, 510 km south-southwest of Devbhumi Dwarka, 600 km south-southwest of Naliya and 770 km south of Karachi (Pakistan). It is very likely to move nearly northward till 14th morning, then move north-northeastwards and cross Saurashtra & Kutch and adjoining Pakistan coasts between Mandvi (Gujarat) and Karachi (Pakistan) around noon of 15th June as a very severe cyclonic storm with maximum sustained wind speed of 125-135 kmph gusting to 150 kmph.

(i) Heavy Rainfall warning for Gujarat (Kutch, Devbhumi Dwarka, Porbandar, Jamnagar, Rajkot, Junagarh and Morbi districts):

- ❖ Light to moderate rainfall at most places with heavy to very heavy rainfall at isolated places very likely over Kutch, Devbhumi Dwarka, Porbandar, Jamnagar, Rajkot, Junagarh and Morbi districts of Saurashtra & Kutch on 14th June.
- ❖ The intensity of rainfall would increase with heavy to very heavy rainfall at a few places and extremely heavy falls at isolated places very likely over Kutch, Devbhumi Dwarka & Jamnagar and heavy to very heavy rainfall at a few places over Porbandar, Rajkot, Morbi & Junagarh districts of Gujarat on 15th June.
- ❖ Isolated heavy rainfall is very likely over remaining districts of Saurashtra and north Gujarat region on 15th June.

(ii) Fishermen Warning & Action Suggested (Kutch, Devbhumi Dwarka, Porbandar, Jamnagar, Rajkot, Junagarh and Morbi districts) and for Offshore & Onshore Industries (Graphics Attached):

- ❖ Total suspension of fishing operations over eastcentral and adjoining westcentral Arabian Sea till 15th June and north and adjoining central Arabian Sea during 12th -15th June

- ❖ Fishermen are advised not to venture into Central Arabian Sea till 15th June and North Arabian Sea during 12th - 15th June.
- ❖ Those out at sea are advised to return to coast.
- ❖ Judicious regulation of offshore and onshore activities.
- ❖ Mobilise evacuation from coastal areas.
- ❖ Judicious regulation of rail and road traffic.
- ❖ People in affected areas to remain indoors.
- ❖ Movement in motor boats and small ships all & off these coasts to be avoided.

Weather forecast and warning over the country during next 5 days:

Northeast India:

- ❖ Widespread light/moderate rainfall with isolated Heavy to Very Heavy falls very likely over the region during next 5 days.

East India:

- ❖ Light/moderate fairly widespread to widespread rainfall with thunderstorm/lightning/gusty winds very likely over the region during next 5 days.
- ❖ **Heavy rainfall** very likely at isolated places over Sub-Himalayan West Bengal & Sikkim during next 48 hours and heavy to very heavy rainfall during subsequent 3 days. **Heavy rainfall** also very likely at isolated places over Andaman & Nicobar Islands during next 3 days.

Northwest India:

- ❖ Light/moderate isolated to scattered rainfall with thunderstorm/lightning/gusty winds very likely over the region except Uttar Pradesh during next 5 days.
- ❖ **Hailstorm** very likely at isolated places over Himachal Pradesh and Uttarakhand during 3-4 days. **Severe thunderstorm with squall** very likely over isolated parts of Rajasthan on 15th June.

West India:

- ❖ Light/moderate scattered to fairly widespread rainfall with **Heavy rainfall** very likely at isolated places over Konkan & Goa during next 24 hours and over Gujarat Region on 15th June. **Heavy to very heavy rainfall** also very likely at isolated places over Saurashtra & Kutch on 14th June and extremely heavy rainfall on 15th June.

South India:

- ❖ Light/moderate scattered to fairly widespread rainfall with thunderstorm/lightning/gusty winds very likely over the region during next 5 days.
- ❖ **Heavy rainfall** very likely at isolated places over Kerala during next 48 hours and over Coastal Karnataka during next 24 hours.

Maximum Temperatures and Heat Wave warning (Graphics in Annexure III):

- ❖ Yesterday, **Maximum Temperatures** were in the range of 42-44°C over parts of Central, Northwest, East and North Peninsular India.
- ❖ Yesterday, Heat Wave to Severe Heat Wave conditions prevailed in isolated pockets over north interior Odisha and north Coastal Andhra Pradesh. Heat Wave conditions also observed in isolated pockets over Jharkhand, south Chhattisgarh and Telangana.
- ❖ No significant change in maximum temperatures over the country except over Gujarat where these are likely to fall by 4-6°C during next 5 days.
- ❖ **Heat wave conditions** very likely to continue in isolated pockets over Bihar, Jharkhand and Coastal Andhra Pradesh during next 5 days; over south Haryana-Delhi, south Uttar Pradesh, Gangetic West Bengal and Odisha during 11th to 13th June; over Sub-Himalayan West Bengal, Vidarbha, Chhattisgarh and Telangana on 11th & 12th June.
- ❖ Hot and humid conditions very likely over Tamil Nadu, Rayalaseema, Madhya Maharashtra and Marathwada during next 3 days.

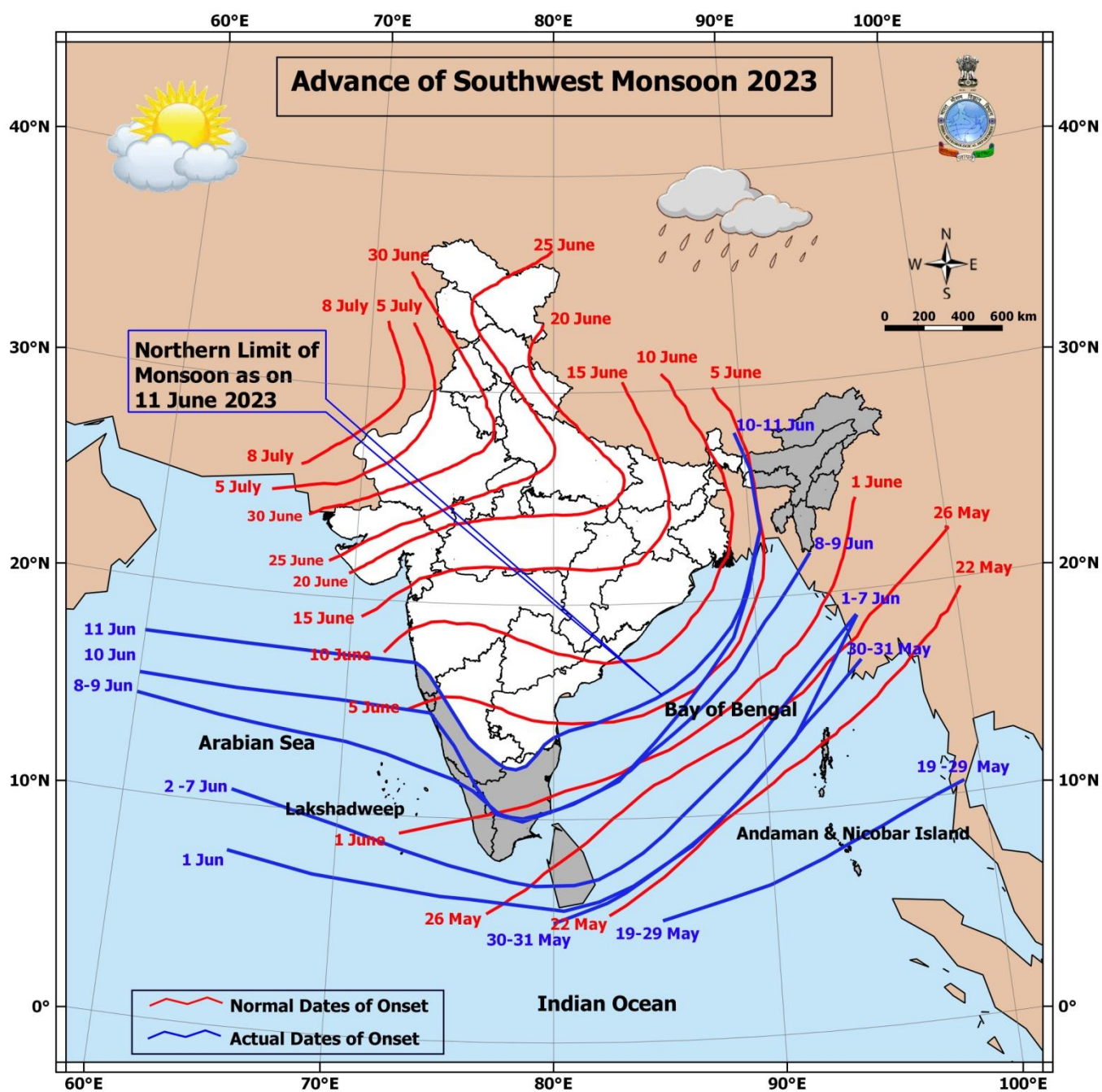
For more details kindly refer:

https://mausam.imd.gov.in/responsive/all_india_forcast_bulletin.php

<https://mausam.imd.gov.in/responsive/districtWiseNowcast.php>

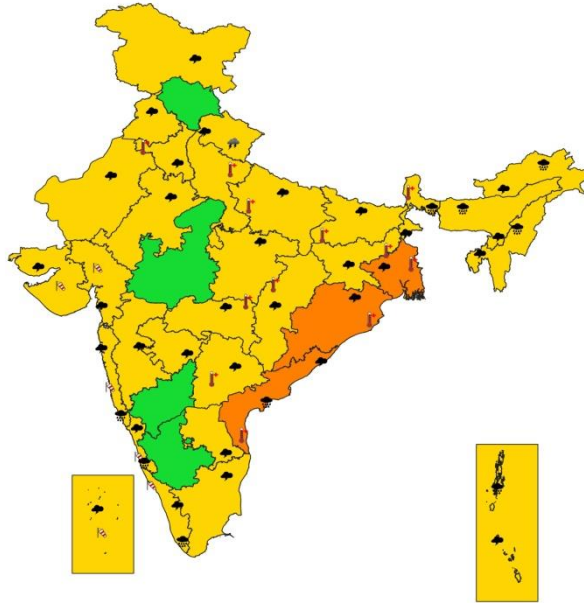
Weather Observations: (from 0830 hours IST of yesterday to 0830 hours IST of today):

- **Rainfall/thundershowers** observed **at most places** over Andaman & Nicobar Islands, Arunachal Pradesh, Assam & Meghalaya, Nagaland, Manipur, Mizoram & Tripura, Coastal Karnataka and Kerala & Mahe; **at many places** over Himachal Pradesh, Punjab, North Interior Karnataka; **at a few places** over Jammu, Kashmir, Ladakh, Gilgit, Baltistan & Muzaffarabad, Haryana, Chandigarh & Delhi, Odisha, Konkan & Goa, Madhya Maharashtra, Marathwada.
- **Heavy to very heavy rainfall observed** at isolated places over Arunachal Pradesh, Assam & Meghalaya, Nagaland, Manipur, Mizoram & Tripura and **heavy rainfall observed** at isolated places over Andaman & Nicobar Islands, Sub-Himalayan West Bengal & Sikkim, Telangana, North Interior Karnataka, Kerala & Mahe.
- **Significant rainfall recorded (in cm): KERALA:** Kannur & Cheruvanchery AWS (Kannur district) 7 each; **N. I. KARNATAKA:** Gabbur (dist Raichur) 7; **TELANGANA:** Zaffergadh (dist Jangaon) 7; **ARUNACHAL PRADESH:** Itanagar (dist Papumpara) 11, Bhalukpong (dist West Kameng) 11, Basar (dist West Siang) 7; **ASSAM & MEGHALAYA:** Melabazar/matunga (dist Nalbari) 16, Nalbari/pagladia (dist Nalbari) 15, Khliehriat (dist East Jaintia Hills) 14, Cherrapunji(rkm) (dist East Khasi Hills) 14, Jia Bharali N T Xing (dist Shonitpur) 13, Tangla_arg (dist Udalguri) 12, Cherrapunji (dist East Khasi Hills) 11, Patharughat Arg (dist Darrang) 10; **N M M T:** Dimapur_ Aws (dist Dimapur) 17, Mokokchung_ Aws (dist Mokokchung) 10, Mangkolemba (dist Mokokchung) 8, Serchip(hydro) (dist Serchhip) 7.





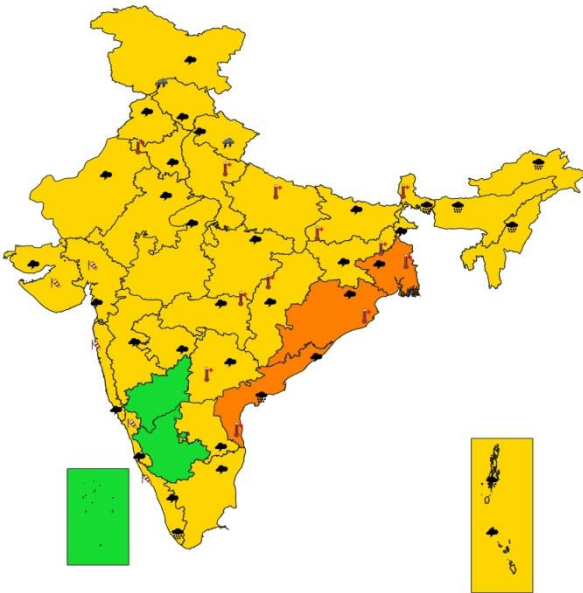
**SUBDIVISIONWISE WEATHER WARNING FOR DAY 1
(11-6-2023)**



- | | | |
|----------------------------|----------------------|--------------------------|
| Subdivision Warning | Dust Storm | Subdivision color |
| Heavy Rain | Strong Surface Winds | NO WARNING |
| Heavy Snow | Heat Wave | WATCH(BE UPDATED) |
| Thunderstorms & Lightning | Cold wave | ALERT (BE PREPARED) |
| Hailstorm | Fog | WARNING (TAKE ACTION) |



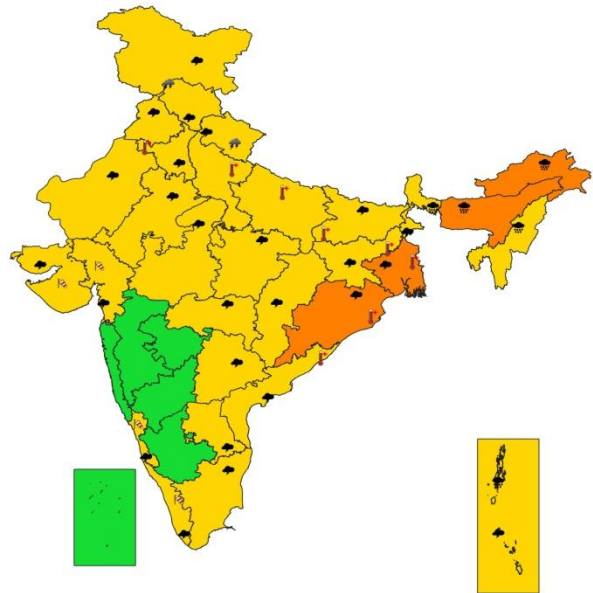
**SUBDIVISIONWISE WEATHER WARNING FOR DAY 2
(12-6-2023)**



- | | | |
|----------------------------|----------------------|--------------------------|
| Subdivision Warning | Dust Storm | Subdivision color |
| Heavy Rain | Strong Surface Winds | NO WARNING |
| Heavy Snow | Heat Wave | WATCH(BE UPDATED) |
| Thunderstorms & Lightning | Cold wave | ALERT (BE PREPARED) |
| Hailstorm | Fog | WARNING (TAKE ACTION) |



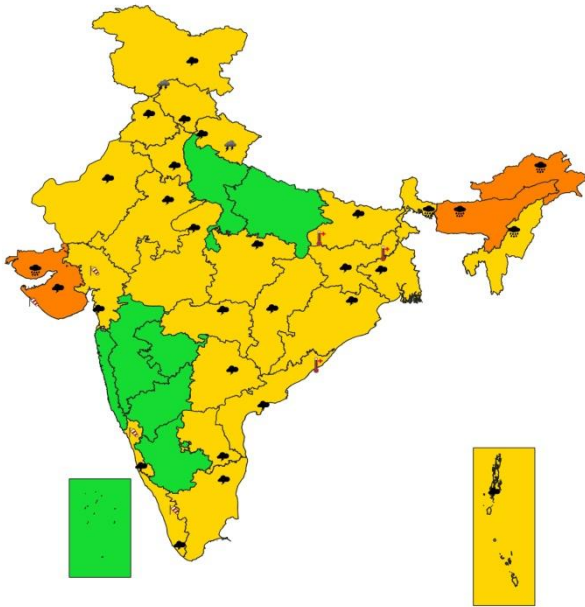
**SUBDIVISIONWISE WEATHER WARNING FOR DAY 3
(13-6-2023)**



- | | | |
|----------------------------|----------------------|--------------------------|
| Subdivision Warning | Dust Storm | Subdivision color |
| Heavy Rain | Strong Surface Winds | NO WARNING |
| Heavy Snow | Heat Wave | WATCH(BE UPDATED) |
| Thunderstorms & Lightning | Cold wave | ALERT (BE PREPARED) |
| Hailstorm | Fog | WARNING (TAKE ACTION) |



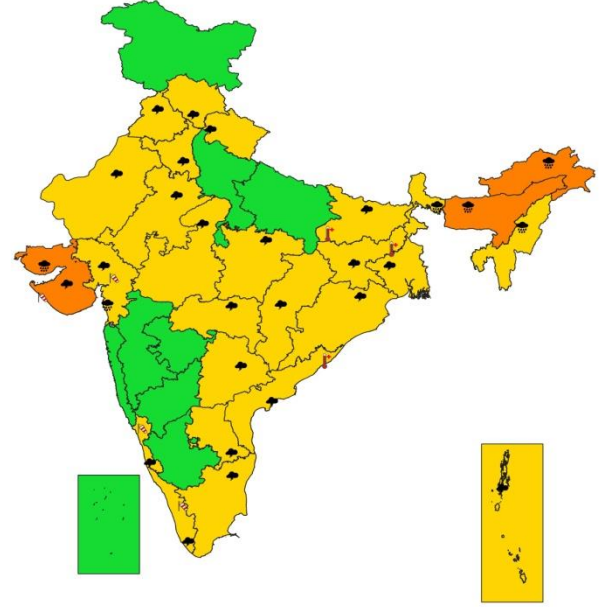
**SUBDIVISIONWISE WEATHER WARNING FOR DAY 4
(14-6-2023)**



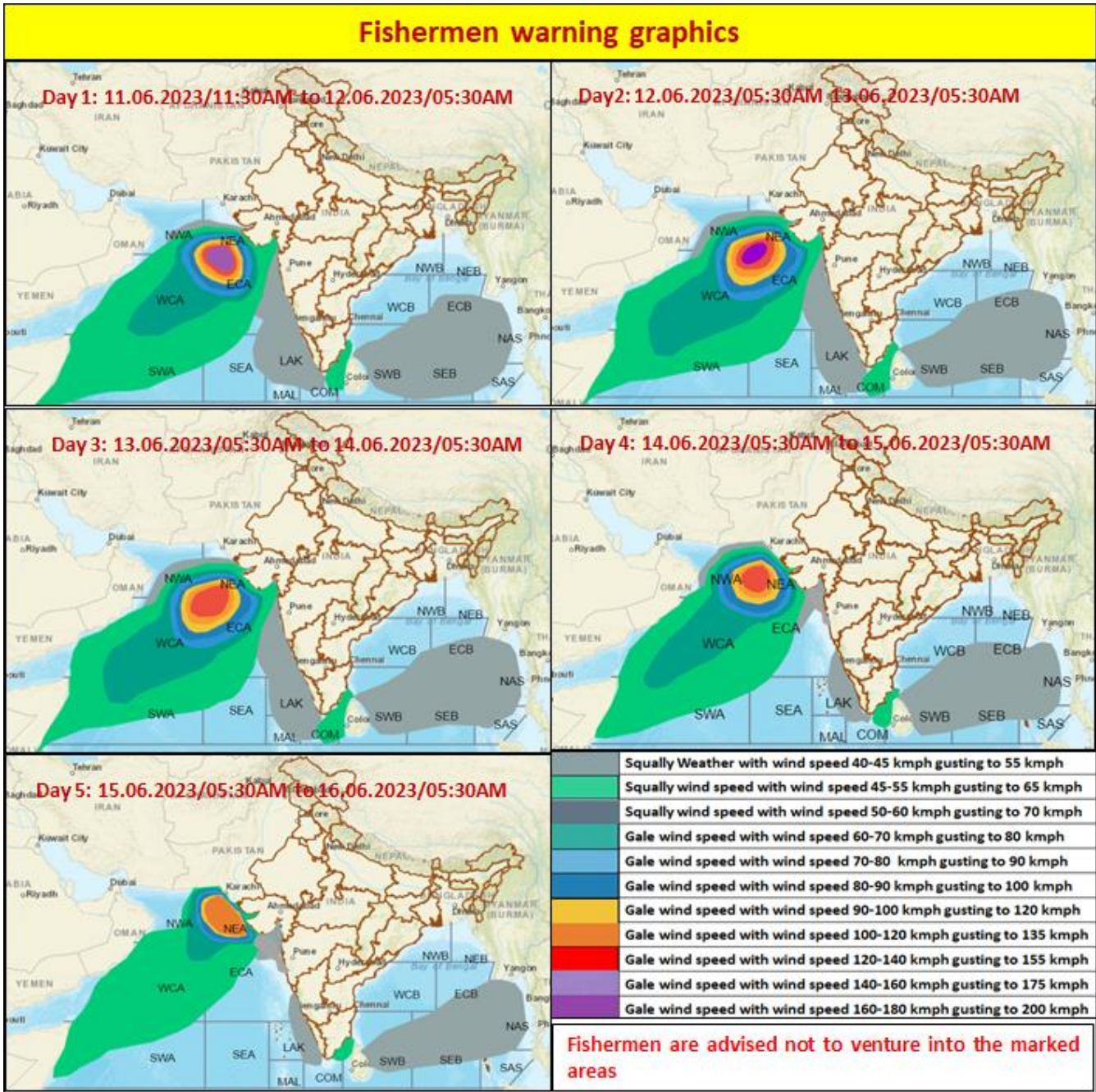
- | | | |
|-----------------------------|------------------------|-------------------------|
| Subdivision Warning | Dust Storm | Subdivision color |
| ☁ Heavy Rain | 🌪 Strong Surface Winds | 🟢 NO WARNING |
| ❄ Heavy Snow | 🔥 Heat Wave | 🟡 WATCH(BE UPDATED) |
| ⚡ Thunderstorms & Lightning | ❄ Cold wave | 🟠 ALERT (BE PREPARED) |
| 🌨 Hailstorm | 🌫 Fog | 🔴 WARNING (TAKE ACTION) |



**SUBDIVISIONWISE RAINFALL FORECAST FOR DAY 5
(15-6-2023)**



- | | | |
|-----------------------------|------------------------|-------------------------|
| Subdivision Warning | Dust Storm | Subdivision color |
| ☁ Heavy Rain | 🌪 Strong Surface Winds | 🟢 NO WARNING |
| ❄ Heavy Snow | 🔥 Heat Wave | 🟡 WATCH(BE UPDATED) |
| ⚡ Thunderstorms & Lightning | ❄ Cold wave | 🟠 ALERT (BE PREPARED) |
| 🌨 Hailstorm | 🌫 Fog | 🔴 WARNING (TAKE ACTION) |



Legends:

❖ **Heavy Rain:** 64.5 to 115.5 mm; **Very Heavy Rain:** 115.6 to 204.4 mm; **Extremely Heavy Rain:** >204.4mm.

❖ **Region wise classification of meteorological Sub-Divisions:**

- **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.
- **Central India:** West Madhya Pradesh, East Madhya Pradesh, Vidarbha and Chhattisgarh.
- **East India:** Bihar, Jharkhand, Sub-Himalaya West Bengal & Sikkim; Gangetic West Bengal, Odisha and Andaman & Nicobar Islands.
- **Northeast India:** Arunachal Pradesh, Assam & Meghalaya and Nagaland, Manipur, Mizoram & Tripura.
- **West India:** Gujarat Region, Saurashtra & Kutch, Konkan & Goa, Madhya Maharashtra and Marathwada.
- **South India:** Coastal Andhra Pradesh & Yanam, Telangana, Rayalaseema, Coastal Karnataka, North Interior Karnataka, South Interior Karnataka, Kerala & Mahe, Tamilnadu, 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)

Subdivision Warning	Dust Storm	Subdivision color
Heavy Rain	Strong Surface Winds	NO WARNING
Heavy Snow	Heat Wave	WATCH(BE UPDATED)
Thunderstorms & Lightning	Cold wave	ALERT (BE PREPARED)
Hailstorm	Fog	WARNING (TAKE ACTION)

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