



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

**Press Release
Date: 12th June, 2023
Time of Issue: 1445 hours IST**

**Subject: i) The extremely severe cyclonic storm “Biparjoy” is very likely to cross between Mandvi (Gujarat) and Karachi (Pakistan) near Jakhau Port (Gujarat) by noon of 15th June as a very severe cyclonic storm with maximum sustained wind speed of 125-135 kmph gusting to 150 kmph.
ii) Heat wave conditions likely over Uttar Pradesh, East and north Peninsular India during next 5 days.
iii) Widespread rainfall with isolated heavy to very heavy falls over northeast India during next 5 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 Karnataka, Konkan, remaining parts of Tamil Nadu, some more parts of Andhra Pradesh, some more parts of northwest Bay of Bengal, most parts of Sub-Himalayan West Bengal & Sikkim and some parts of Bihar today, the 12th 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, Koppal, Puttaparthi, Shriharikota, lat. 15.0°N/ Long. 83.0°E, 18.0°N/87.0°E, 22°N/89.0°E, Malda and Forbesganj, 28°N/86°E.

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

The extremely severe cyclonic storm “Biparjoy” (pronounced as “Biporjoy”) over eastcentral and adjoining northeast Arabian Sea moved northwards with a speed of 07 kmph during past 6-hours and lay centered at 0830 hours IST of today, the 12th June, 2023 over the same region near latitude 19.4°N and longitude 67.7°E, about 320 km southwest of Porbandar, 360 km south-southwest of Devbhumi Dwarka, 440 km south of Jakhau Port, 440 km south-southwest of Naliya and 620 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) near Jakhau Port (Gujarat) by noon of 15th June as a very severe cyclonic storm with maximum sustained wind speed of 125-135 kmph gusting to 150 kmph.

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.
- ❖ Light to moderate rainfall at most places with heavy to very heavy rainfall at isolated places very likely over north Gujarat and adjoining south Rajasthan on 16th June.

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 Northeast Arabian Sea during 12th -15th June.

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

Northeast India:

- ❖ Widespread light/moderate rainfall at most places with isolated **Heavy to Very Heavy falls** very likely over the region during next 5 days. Isolated **extremely heavy rainfall** also likely over Meghalaya during 14th-16th June.

East India:

- ❖ Light/moderate fairly widespread to widespread rainfall with thunderstorm/lightning/gusty winds very likely over the region during next 5 days.
- ❖ **Heavy to very heavy rainfall** very likely at isolated places over Sub-Himalayan West Bengal & Sikkim during next 5 days. **Heavy rainfall** also very likely at isolated places over Bihar on 12th June and Andaman & Nicobar Islands on 12th & 16th June.

Northwest India:

- ❖ Light/moderate scattered to fairly widespread rainfall with **hailstorm**, thunderstorm & lightning very likely in isolated places over Himachal Pradesh on 13th & 14th June and over Uttarakhand on 14th & 15th June. **Heavy rainfall with thunderstorm & squall** very likely at isolated places over West Rajasthan on 16th 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 2 days and over Coastal Karnataka during next 24 hours.

No significant weather likely over rest parts of the country during next 5 days.

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

- ❖ Yesterday, Maximum Temperatures were in the range of 42-44°C over parts of East Uttar Pradesh, East Madhya Pradesh, Vidarbha, Chhattisgarh, Bihar and Odisha.
- ❖ Yesterday, **Severe Heat Wave conditions** prevailed in isolated pockets over Odisha, Bihar and Coastal Andhra Pradesh and Heat Wave conditions in isolated pockets over Gangetic West Bengal, Jharkhand and Telangana.
- ❖ No significant change in maximum temperatures over most parts of the country except over Gujarat where temperatures are likely to fall by 4-6°C and over Rajasthan by 2-3°C during next 5 days.
- ❖ **Severe Heat Wave conditions** very likely to continue in isolated pockets over Chhattisgarh, Odisha and Coastal Andhra Pradesh & Yanam during next 2 days and Heat wave conditions thereafter during subsequent 3 days. **Heat wave conditions** very likely to continue in isolated pockets over south Uttar Pradesh, Gangetic West Bengal, Bihar, Jharkhand during next 5 days; over Madhya Pradesh and Vidarbha during next 2 days and over Telangana during next 24 hours.
- ❖ Hot and humid conditions very likely over Tamil Nadu and Rayalaseema during next 2 days.

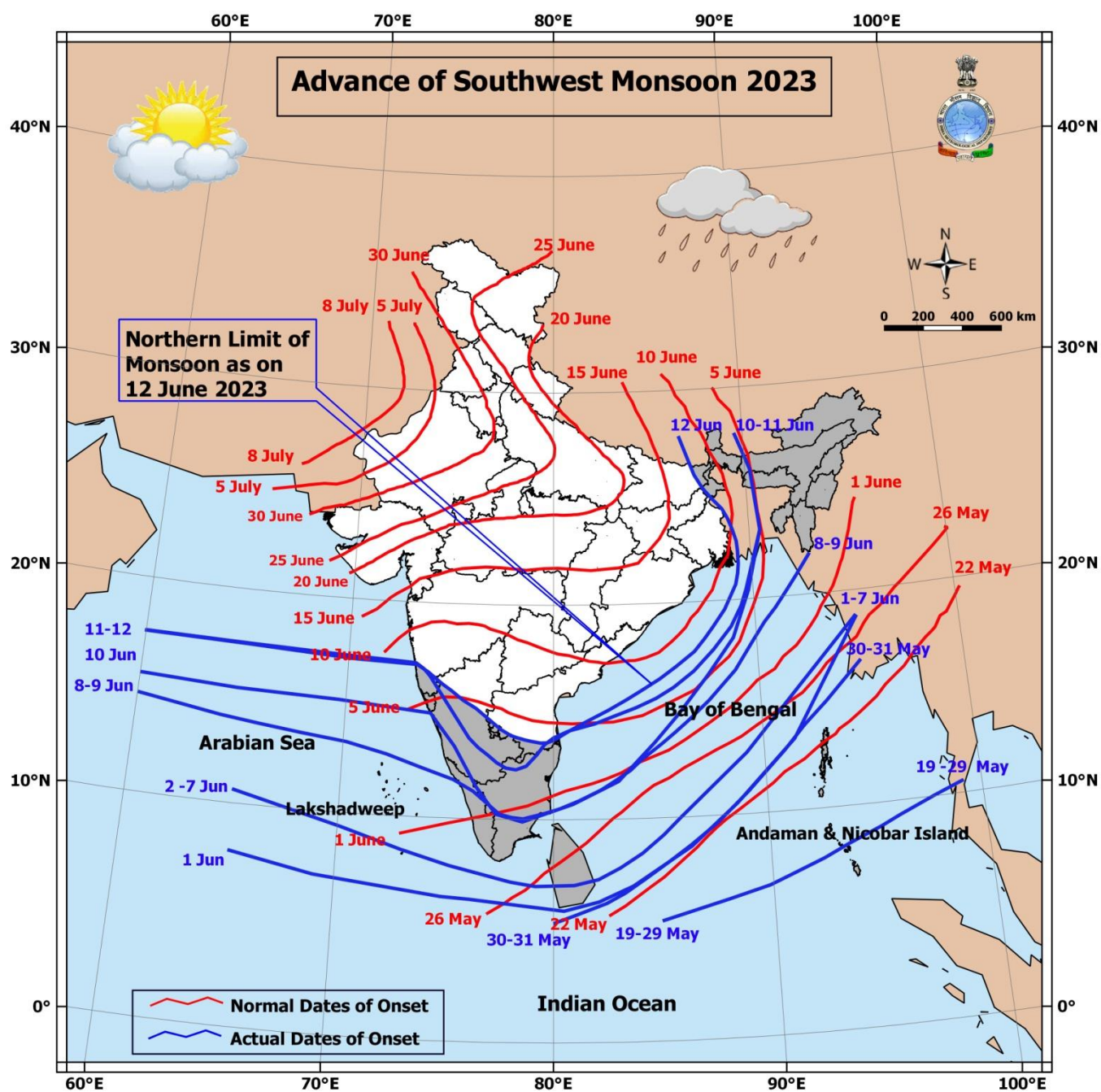
For more details kindly refer:

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

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

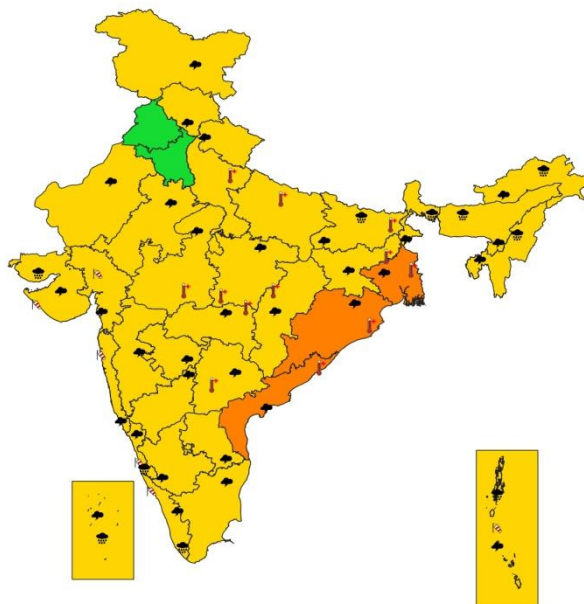
Weather Observations: (from 0830 hours IST of yesterday to 0830 hours IST of today):

- **Rainfall/thundershowers** observed **at most places** over Andaman & Nicobar Islands, Sub-Himalayan West Bengal & Sikkim, Arunachal Pradesh, Assam & Meghalaya, Konkan & Goa, Kerala & Mahe, Lakshadweep; **at many places** over Gangetic West Bengal, Nagaland, Manipur, Mizoram & Tripura, South Interior Karnataka; **at a few places** over Coastal Karnataka,, North Interior Karnataka and Vidarbha.
- **Heavy to very heavy rainfall observed** at isolated places over Assam & Meghalaya and **heavy rainfall observed** at isolated places over Arunachal Pradesh, Nagaland, Manipur, Mizoram & Tripura, Andaman & Nicobar Islands, Kerala & Mahe.
- **Significant rainfall recorded (in cm): ARUNACHAL PRADESH:** Naharlagun (dist Papumpara) 9, Itanagar (dist Papumpara) 8; **ASSAM & MEGHALAYA:** Numaligarh (dist Golaghat) 12, Karimganj (dist Karimganj) 11, Bihpuria_Aws (dist Lakhimpur) 10, Golaghat_pto (dist Golaghat) 10, Karimganj_aws (dist Karimganj) 9, Golaghat_Cwc (dist Golaghat) 8, Badatighat (dist Lakhimpur); **N M M T:** Mon Sadar Nsdma_aws (dist Mon) 8, Mokokchang (dist Mokokchung) 6, Mangkolemba (dist Mokokchung) 6; **KERALA:** Bayar AWS (Kasargod district) 7; **A & N ISLANDS:** Long Island 9





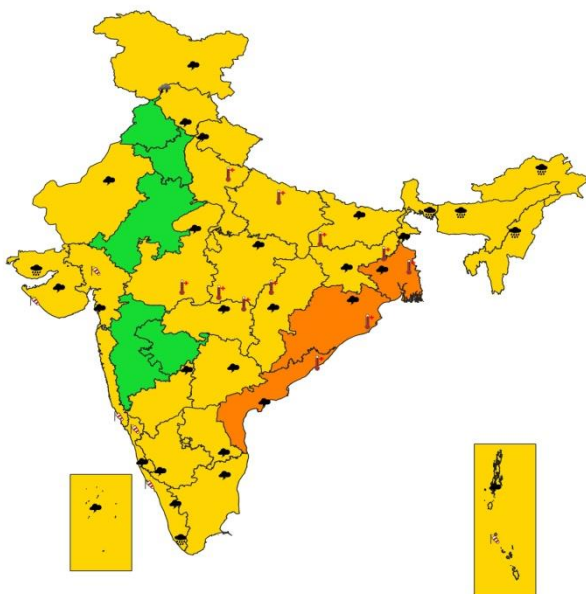
SUBDIVISIONWISE WEATHER WARNING FOR DAY 1 (12-6-2023)



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)



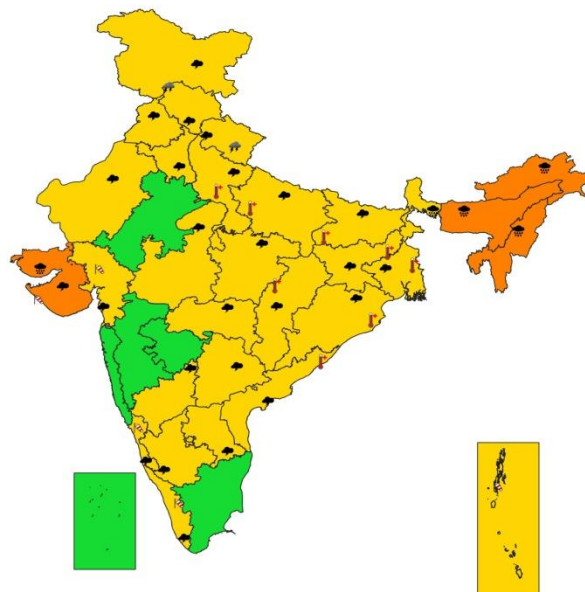
SUBDIVISIONWISE WEATHER WARNING FOR DAY 2 (13-6-2023)



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)



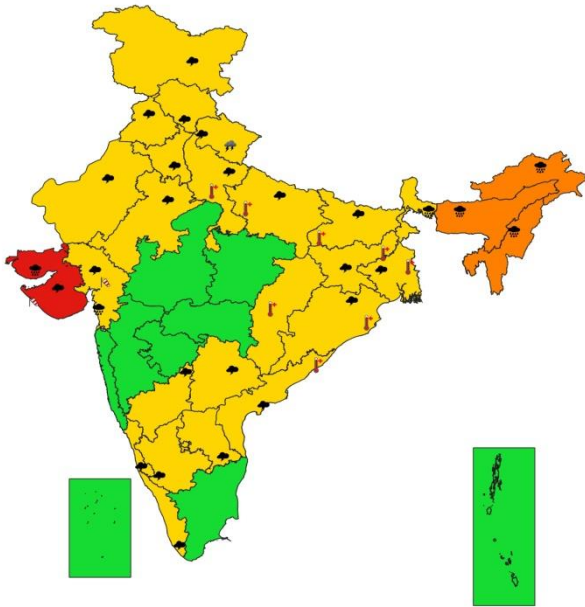
SUBDIVISIONWISE WEATHER WARNING FOR DAY 3 (14-6-2023)



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)



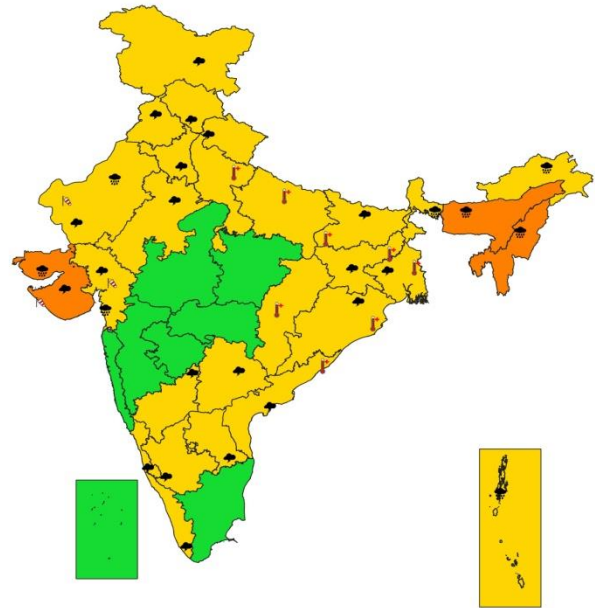
SUBDIVISIONWISE WEATHER WARNING FOR DAY 4 (15-6-2023)



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|----------------------------|----------------------|--------------------------|
| 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) |

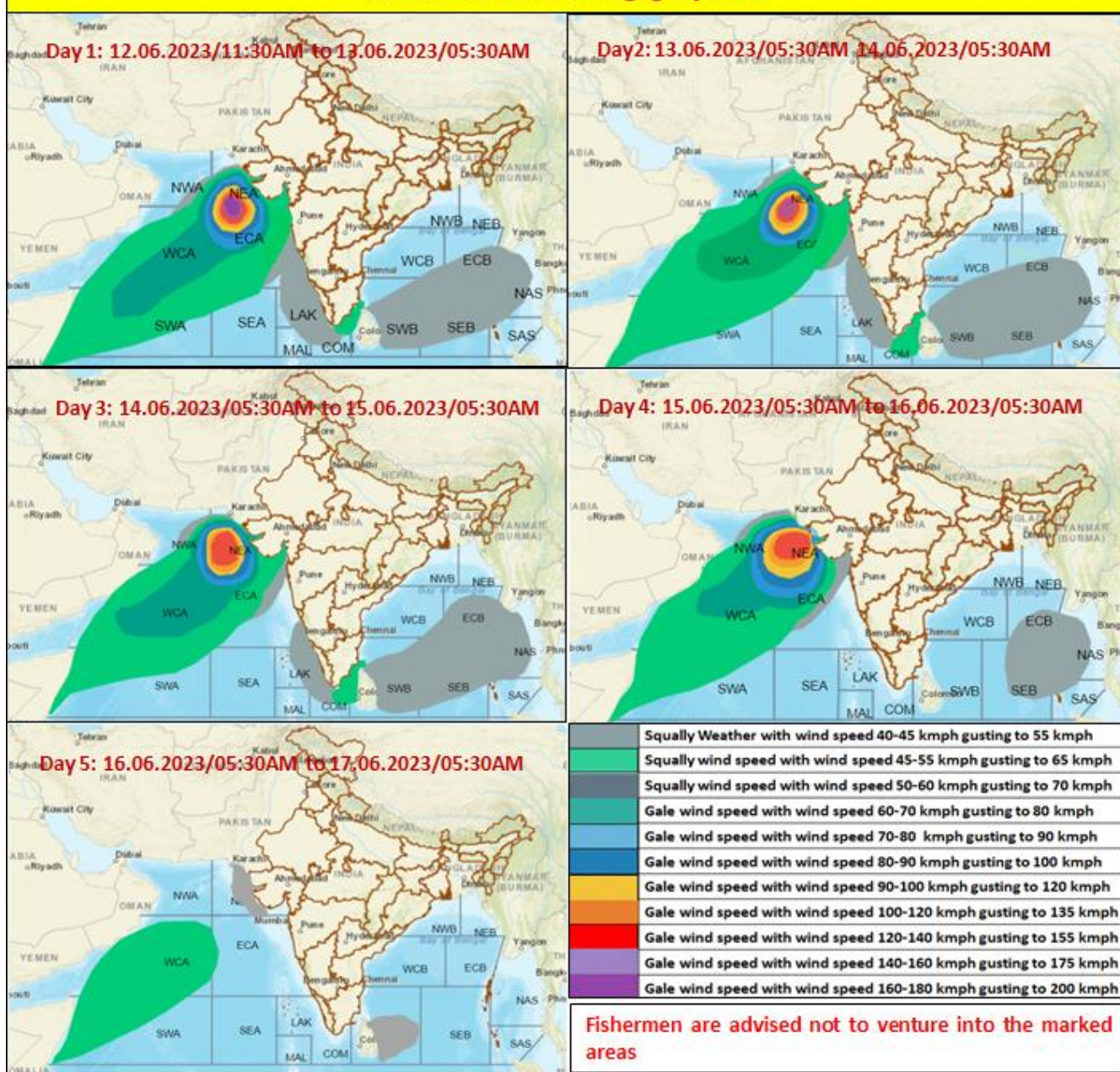


SUBDIVISIONWISE RAINFALL FORECAST FOR DAY 5 (16-6-2023)

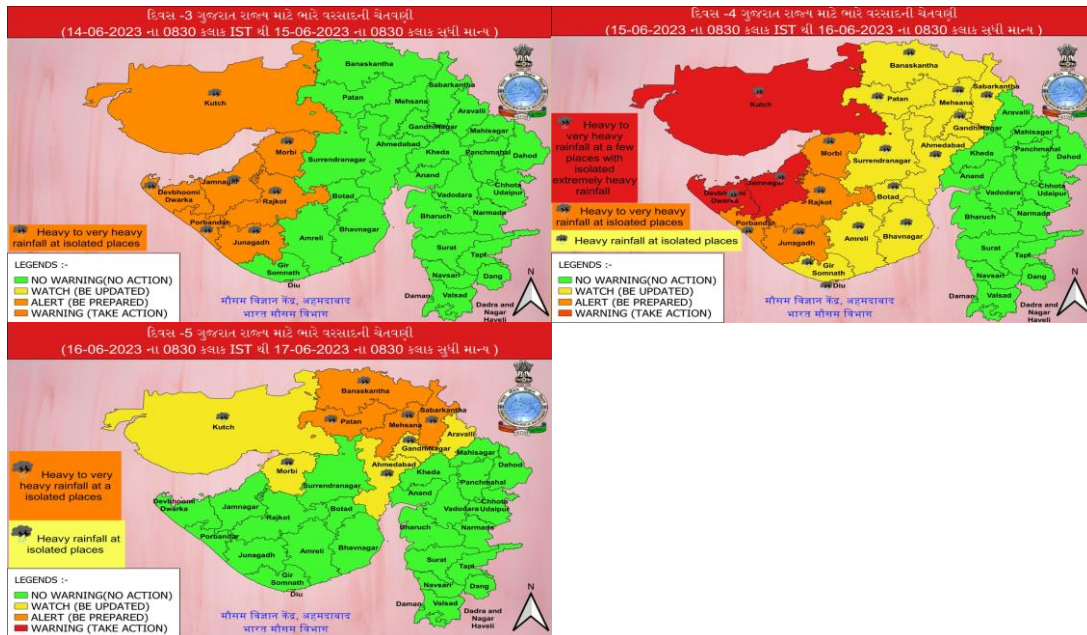


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|----------------------------|----------------------|--------------------------|
| Subdivision Warning | Dust Storm | Subdivision color |
| Heavy Rain | Strong Surface Winds | NO WARNING |
| Heavy Snow | Heat Wave | WATCH(BE UPDATED) |
| Thunderstorms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

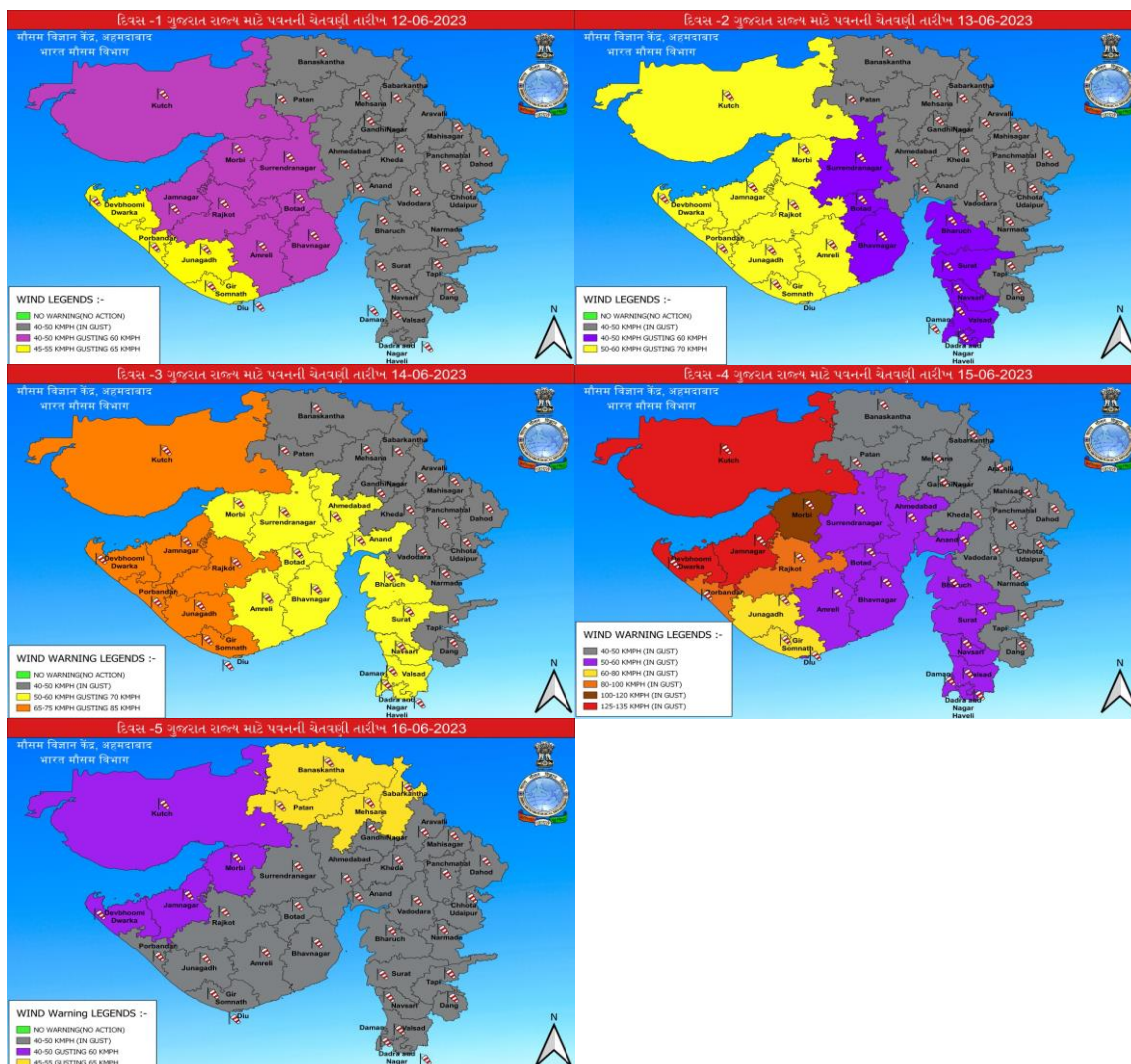
Fishermen warning graphics



District wise Heavy Rainfall Warning Maps for 15th, 16th and 17th June



District wise Wind Warning Maps for 12th, 13th, 14th 15th and 16th June
















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