



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

**Press Release
Date: 05th June, 2023
Time of Issue: 1245 hours IST**

**Subject: i) Heat wave conditions likely to continue over Bihar, east Jharkhand and West Bengal & Sikkim during next 5 days.
ii) Formation of a Low Pressure Area likely over Southeast Arabian Sea by 06th and into a Depression during subsequent 48 hours.**

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

Advance of southwest monsoon:

- ❖ The Northern Limit of Southwest Monsoon continues to pass through 10°N/65°E, 9°N/70°E, Minicoy, 7°N/81°E, 11°N/87°E, 14°N/90°E, 17°N/93°E & 19°N/95°E. ([Annexure II](#)).

Significant Meteorological features:

- ❖ A cyclonic circulation lies over Southeast Arabian Sea in middle tropospheric levels. Under its influence a Low Pressure Area is very likely to form over the same region during next 24 hours. It is likely to move nearly northwards and intensify into a Depression Southeast & adjoining Eastcentral Arabian Sea during subsequent 48 hours.
- ❖ A trough runs from east Bihar to Telangana in lower tropospheric levels.

Forecast and warning over the country during next 5 days:

- ❖ Light/moderate fairly widespread rainfall with thunderstorm/lightning/gusty winds very likely over Kerala, Lakshadweep, South Interior Karnataka; isolated to scattered activity over Tamil Nadu and Andhra Pradesh during next 5 days.
- ❖ **Heavy rainfall** very likely at isolated places over Andaman & Nicobar Islands during 05th-07th; Lakshadweep, Kerala during 07th-09th and South Interior Karnataka on 07th June.

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

- ❖ Yesterday, **Maximum Temperatures** were in the range of 40-42°C over many parts of central, east & north Peninsular India; in isolated pockets over Coastal Andhra Pradesh and Saurashtra.
- ❖ Yesterday, **Heat Wave to severe heat wave conditions** prevailed in isolated pockets over East Bihar and **heat wave conditions** in isolated pockets over West Bengal & Sikkim. This is 5th day of Heat Wave conditions over the above areas.
- ❖ Gradual rise in maximum temperatures by 2-4°C very likely over plains of Northwest India during next 5 days. No significant change in maximum temperatures very likely over Central India during next 48 hours and rise by 2-3°C thereafter.
- ❖ **Heat wave to severe heat wave conditions** very likely to continue in isolated pockets over Bihar during 05th to 09th June.
- ❖ **Heat wave conditions** very likely to continue in isolated pockets over West Bengal & Sikkim, east Jharkhand, Telangana during 05th-09th June; over Coastal Andhra Pradesh & Yanam during 05th -07th June; Vidarbha & East Uttar Pradesh during 07th to 09th June; West Uttar Pradesh on 08th & 09th June.
- ❖ Due to humid air & high temperature, **Hot and Discomfort weather** is very likely over Konkan, Goa, Rayalaseema and Tamilnadu on 05th & 06th June.

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

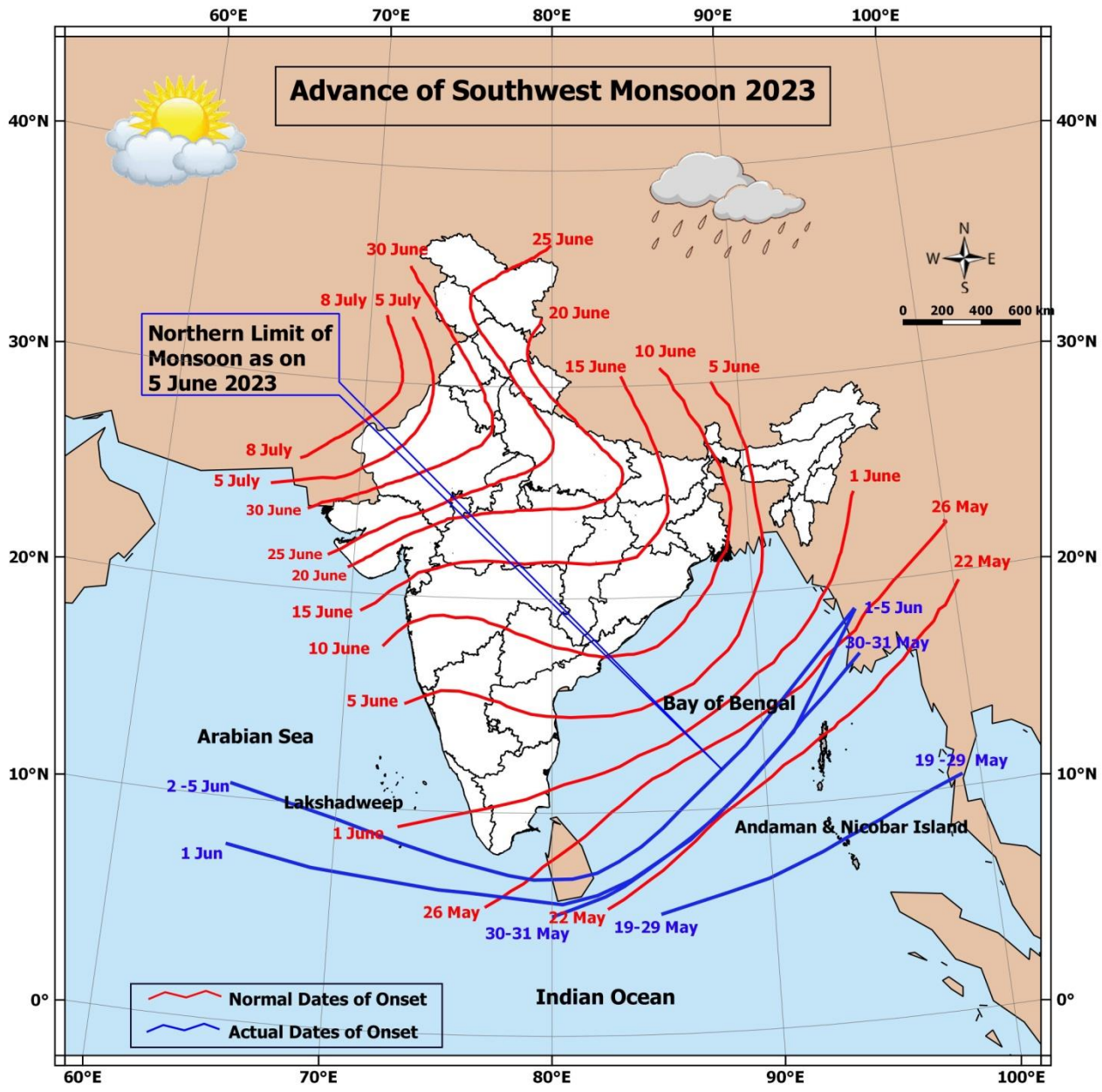
For more details kindly refer:

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

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

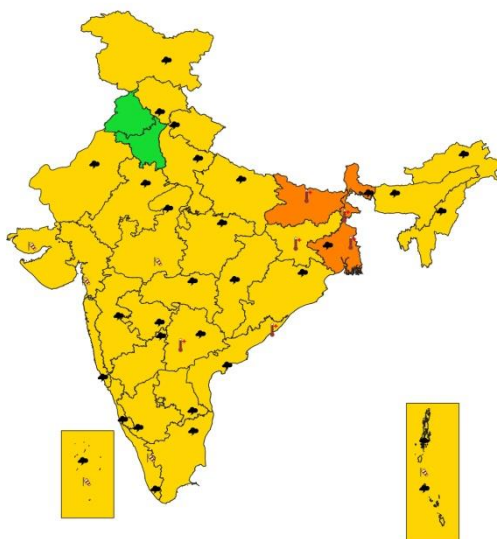
Weather Observations: (from 0830 hours IST of yesterday to 0830 hours IST of today):

- **Rainfall/thundershowers** observed **at most places** over Gujarat Region; **at a few places** over Andaman & Nicobar Islands, Lakshadweep, South Interior Karnataka, Coastal Andhra Pradesh, Telangana, Madhya Maharashtra, Vidarbha and **at isolated places** over Himachal Pradesh, Uttarakhand, Haryana, Chandigarh, Punjab, Uttar Pradesh, East Rajasthan, Madhya Pradesh, Chhattisgarh, Sub-Himalayan West Bengal & Sikkim, Odisha, Arunachal Pradesh, Assam & Meghalaya, Nagaland, Manipur, Mizoram & Tripura, Konkan & Goa, Marathwada, Saurashtra & Kutch, Rayalaseema. Coastal & North Interior Karnataka, Kerala & Mahe and Tamil Nadu, Puducherry & Karaikal.
- **Heavy rainfall observed** at isolated places over West Madhya Pradesh, Andaman & Nicobar Islands, Lakshadweep, Coastal Andhra Pradesh and Madhya Maharashtra.
- **Significant rainfall recorded (in cm): Coastal Andhra Pradesh:** Koyyalagudem (dist Eluru) 9, Narsipatnam (dist Anakapalli) 7, Komarada (dist Parvathipuram Manyam) 7, **Lakshadweep:** Agathi (Lakshadweep UT) 9, **Rayalaseema:** Kadiri (dist Sri Sathyasai District) 7, **Tamil Nadu:** Tirupathur (dist Sivaganga) 4, **Telangana:** Bomraspeta (dist Vikarabad) 6, Sangareddy(a) (dist Sangareddy) 5, Sangareddy (dist Sangareddy) 5, Koilkonda (dist Mahabubnagar) 5, **Konkan & Goa:** Mokheda - Fmo (dist Palghar) 4, **Madhya Maharashtra:** Dhule (dist Dhule) 8, Fmo (dist Nashik) 5, Yaval (dist Jalgaon) 4, Dahigaon - Fmo (dist Jalgaon) 4, Peth (dist Nashik) 4, **West Madhya Pradesh:** 06/05/2023: Lahar (dist Bhind) 7, Warla (dist Barwani) 5, **Sub-Himalayan West Bengal:** Cooch Behar, Jalpaiguri-5 each; **Odisha:** Banarpal (dist Angul) 6, Talcher (dist Angul) 6, Naktideul (dist Sambalpur) 6, Jajpur (dist Jajpur) 5, Phiringia (dist Kandhamal) 5, Jajpur Pto (dist Jajpur) 5; **Assam:** Tura Kvk (dist West Garo Hills) 4, Tura_ Aws (dist West Garo Hills) 4, **Andaman & Nicobar Islands:** Long Island, Port Blair-7 each.
- **Hailstorm observed** at isolated places over Telangana, Madhya Maharashtra, Vidarbha and Madhya Pradesh.





SUBDIVISIONWISE WEATHER WARNING FOR DAY 1
(5-6-2023)

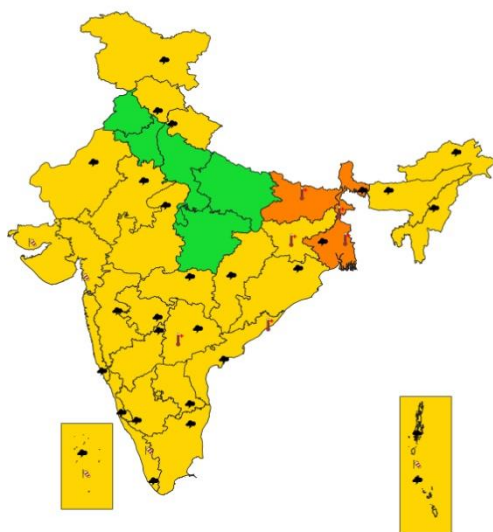


Subdivision Warning
☁ Heavy Rain
❄ Heavy Snow
⚡ Thunderstorms & Lightning
🌨 Hailstorm
🌪 Dust Storm
🌪 Strong Surface Winds
🔥 Heat Wave
❄ Cold wave
🌫 Fog

Subdivision color
🟢 NO WARNING
🟡 WATCH (BE UPDATED)
🟠 ALERT (BE PREPARED)
🔴 WARNING (TAKE ACTION)



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

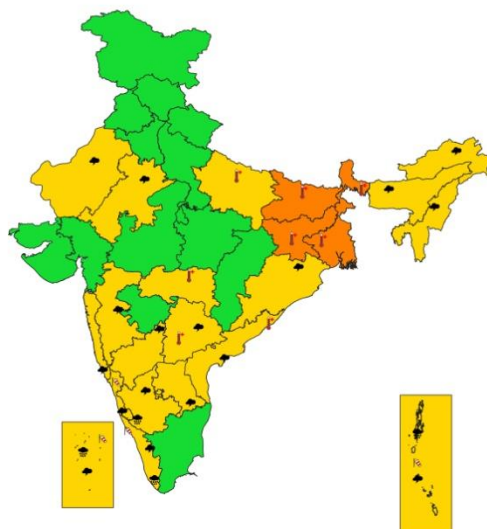


Subdivision Warning
☁ Heavy Rain
❄ Heavy Snow
⚡ Thunderstorms & Lightning
🌨 Hailstorm
🌪 Dust Storm
🌪 Strong Surface Winds
🔥 Heat Wave
❄ Cold wave
🌫 Fog

Subdivision color
🟢 NO WARNING
🟡 WATCH (BE UPDATED)
🟠 ALERT (BE PREPARED)
🔴 WARNING (TAKE ACTION)



SUBDIVISIONWISE WEATHER WARNING FOR DAY 3
(7-6-2023)

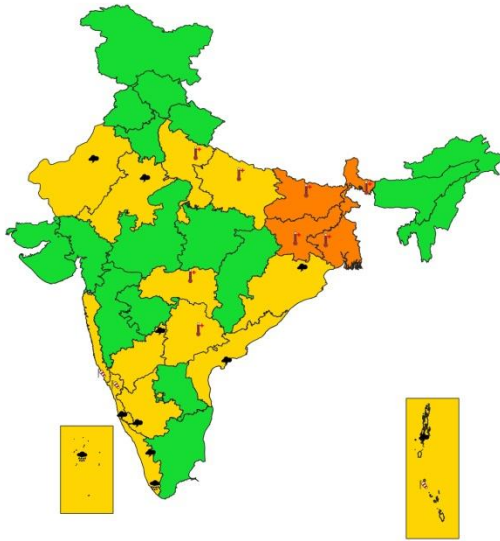


Subdivision Warning
☁ Heavy Rain
❄ Heavy Snow
⚡ Thunderstorms & Lightning
🌨 Hailstorm
🌪 Dust Storm
🌪 Strong Surface Winds
🔥 Heat Wave
❄ Cold wave
🌫 Fog

Subdivision color
🟢 NO WARNING
🟡 WATCH (BE UPDATED)
🟠 ALERT (BE PREPARED)
🔴 WARNING (TAKE ACTION)



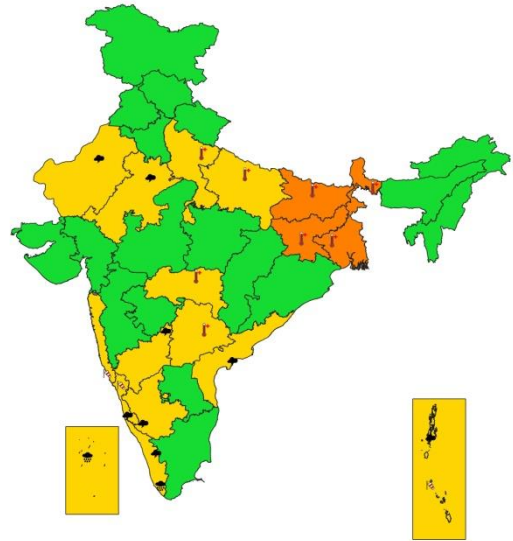
SUBDIVISIONWISE WEATHER WARNING FOR DAY 4
(8-6-2023)



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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
(9-6-2023)

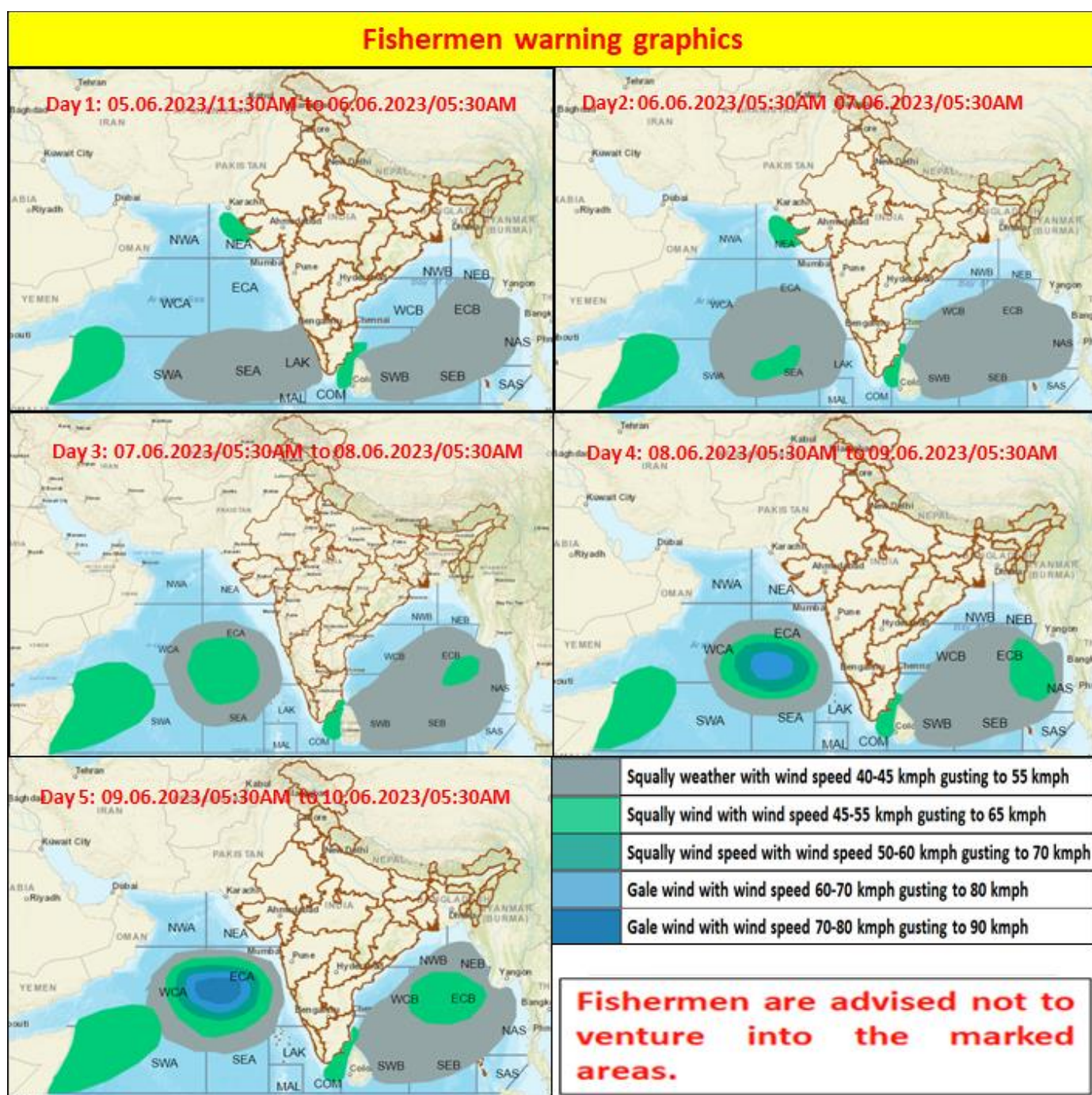


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|----------------------------|----------------------|--------------------------|
| Subdivision Warning | Dust Storm | Subdivision color |
| Heavy Rain | Strong Surface Winds | NO WARNING |
| Heavy Snow | Heat Wave | WATCH(BE UPDATED) |
| Thunderstorms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

Fishermen warning:

05th & 06th June: Squally weather (wind speed 40-45 kmph gusting to 55 kmph) likely over southeast & adjoining southwest Arabian Sea, along & off Kerala coast, Lakshadweep-Maldives areas, Andaman Sea, south and Eastcentral Bay of Bengal. **Squally wind (speed 45-55 kmph gusting to 65 kmph)** very likely over Northeast Arabian Sea, along & off north Gujarat coast, Gulf of Mannar & adjoining Comorin area.

07th-09th June: Squally weather (wind speed 50-60 kmph gusting to 70 kmph) likely over southeast & adjoining Eastcentral Arabian Sea; **(wind speed 45-55 kmph gusting to 65 kmph)** along & off north Kerala-Karnataka-Goa coasts, Lakshadweep areas, north Andaman Sea, south Bay of Bengal, Eastcentral & adjoining Westcentral Bay of Bengal.
















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