

Thursday 18 August 2022

MID-DAY

Time of Issue: 1330 hours IST

## ALL INDIA WEATHER SUMMARY AND FORECAST BULLETIN

### Significant Weather Features

- ◆ A **Low Pressure Area** has formed over Northeast and adjoining areas of Eastcentral Bay of Bengal, Bangladesh & Myanmar coasts in the morning (0530 hours IST) of today, the 18th August, 2022 and persists over the same region in the forenoon of today. It is very likely to move northwestwards and become **well marked low pressure area** during next 06 hours. Continuing to move northwestwards, it is likely to concentrate into a **Depression** by tomorrow morning over North Bay of Bengal and adjoining West Bengal & Bangladesh coasts. Thereafter, it is likely to move west-northwestwards across Gangetic West Bengal, North Odisha, Jharkhand and North Chhattisgarh.
- ◆ The **well marked low pressure area** lies over southeast Pakistan. It is very likely to continue to move west-northwestwards and weaken gradually during next 24 hours.
- ◆ The western end of the **monsoon trough** is likely to shift to north of the normal position from 19th August and remain so during next 2-3 days while eastern end likely to be along normal or south of the normal position during the same period.
- ◆ Under the influence of the above systems:
  - o Fairly widespread/widespread light/moderate rainfall with **isolated heavy falls and thunderstorm/lightning** very likely over Odisha during 18th-20th; Gangetic West Bengal on 18th & 19th; Jharkhand on 19th & 20th; Vidarbha on 20th & 21st; Chhattisgarh & East Madhya Pradesh during 19th-21st and over West Madhya Pradesh during 20th-22nd August, 2022.
  - i) Isolated **heavy to very heavy rainfall** likely over West Bengal & Sikkim on 19th; Vidarbha, Jharkhand & Odisha on 20th; East Madhya Pradesh on 21st and over West Madhya Pradesh on 22nd August, 2022.
  - ii) Isolated **extremely heavy rainfall** also likely over north Odisha on 19th; north Chhattisgarh & East Madhya Pradesh on 20th and over West Madhya Pradesh on 21st August, 2022.
  - o Fairly widespread/widespread light/moderate rainfall with **isolated heavy falls and thunderstorm/lightning** very likely over West Rajasthan & Gujarat State on 18th & 22nd; East Rajasthan and Konkan & Goa during 20th-22nd and over ghat areas of Madhya Maharashtra on 21st & 22nd August, 2022. Isolated **very heavy rainfall** also likely over East Rajasthan on 21st & 22nd August, 2022.
  - o Fairly widespread/widespread light/moderate rainfall with **isolated heavy falls and thunderstorm/lightning** very likely over Jammu & Kashmir and Punjab on 20th; Uttarakhand on 19th & 20th; Himachal Pradesh and West Uttar Pradesh during 19th-21st; south Haryana on 21st and over East Uttar Pradesh on 19th & 20th August, 2022.
  - o Fairly widespread/widespread light/moderate rainfall with **isolated heavy falls and thunderstorm/lightning** very likely over Assam & Meghalaya on 19th & 20th and over Nagaland, Manipur, Mizoram & Tripura during 18th-20th August, 2022.
  - o Scattered to isolated light/moderate rainfall with **isolated heavy falls and thunderstorm/lightning** very likely over Tamil Nadu on 18th August, 2022.

### Main Weather Observations

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♦ **Rainfall/thundershower observed (from 0830 hours IST of yesterday to 0830 hours IST of today):** at most places over Gujarat State, Konkan & Goa and Coastal Karnataka; at many places over Andaman & Nicobar Islands, West Rajasthan and Madhya Maharashtra; at a few places over Sub-Himalayan West Bengal & Sikkim, Himachal Pradesh, Jammu, Kashmir, Ladakh, Gilgit, Baltistan & Muzaffarabad, East Rajasthan, West Madhya Pradesh, Tamil Nadu, Puducherry & Karaikal and North Interior Karnataka and at isolated places over Arunachal Pradesh, Assam & Meghalaya, Nagaland, Manipur, Mizoram & Tripura, Gangetic West Bengal, Odisha, Jharkhand, Bihar, West Uttar Pradesh, Uttarakhand, Haryana, Chandigarh & Delhi, Punjab, East Madhya Pradesh, Marathwada, Vidarbha, Chhattisgarh, Coastal Andhra Pradesh & Yanam, Telangana, Rayalaseema, South Interior Karnataka and Kerala & Mahe.

♦ **Chief amount of Rainfall observed (from 0830 hours IST of yesterday to 0830 hours IST of today): (7 cm or more): Gujarat Region:** Dantiwada (dist Banaskantha) 19, Palanpur (dist Banaskantha) 13, Daman\_arg (dist Daman) 12, Deesa (dist Banaskantha) 9, Suigam (dist Banaskantha) 9, Umerpada (dist Surat) 8, Olpad (dist Surat) 7; **East Rajasthan:** Mount abu Tehsil Sr (dist Sirohi) 17, Pratapgarh (dist Pratapgarh) 10, Abu Road Sr (dist Sirohi) 7; **Saurashtra & Kutch:** Junagadh (dist Junagadh) 11, Vadia (dist Amreli) 11, Vanthali (dist Junagadh) 10, Manavadar (dist Junagadh) 9, Jetpur (dist Rajkot) 9, Dhoraji (dist Rajkot) 9, Lakhpat (dist Kutch) 8; **West Rajasthan:** Dorimanna Sr (dist Barmer) 11, Gadra Road (dist Barmer) 10, Sanchoe (dist Jalore) 8, Barmer (dist Barmer) 7; **Madhya Maharashtra:** Mahabaleshwar- Imd Obsy (dist Satara) 7, Nda Pune - Arg (dist Pune) 7, Igatpuri (dist Nashik) 7; **Himachal Pradesh:** Kangra: Dharamshala-7.

♦ **Heavy Rainfall observed (from 0830 hours IST of yesterday to 0830 hours IST of today):** Heavy to very heavy rainfall occurred in isolated places over Gujarat Region and East Rajasthan and heavy rainfall in isolated places over Saurashtra & Kutch, Madhya Maharashtra, West Rajasthan and Himachal Pradesh.

♦ **Thunderstorm observed (from 0830 hours IST of yesterday to 0830 hours IST of today):** at isolated places over Nagaland, Manipur, Mizoram & Tripura, Jharkhand, Gangetic West Bengal, Coastal Andhra Pradesh & Yanam, Telangana and Odisha.

♦ **Minimum Temperature Departures (as on 18-08-2022):** Minimum temperatures are above normal (1.6°C to 3.0°C) at most places over Sub-Himalayan West Bengal & Sikkim; at many places over Jharkhand, Gangetic West Bengal and Assam & Meghalaya; at a few places over Odisha, Arunachal Pradesh, Nagaland, Manipur, Mizoram & Tripura, Rayalaseema, Kerala & Mahe and Lakshadweep; at isolated places over Himachal Pradesh, Punjab, Uttar Pradesh, East Madhya Pradesh, Bihar, Vidarbha and Coastal Andhra Pradesh & Yanam. They are appreciably below normal (-3.1°C to -5.0°C) at isolated places over West Rajasthan and Tamilnadu, Puducherry & Karaikal; below normal (-1.6°C to -3.0°C) at isolated places over East Rajasthan and near normal over rest parts of the country. Today, the lowest minimum temperature of 20.8°C is reported at Khargone & Betul (West Madhya Pradesh) over the plains of the country.

♦ **Maximum Temperature Departures (as on 17-08-2022):** Maximum temperatures were appreciably above normal (3.1°C to 5.0°C) at many places over Assam & Meghalaya, Gangetic West Bengal and Chhattisgarh; at a few places over Bihar, Odisha, Telangana and Kerala & Mahe; at isolated places over Sub-Himalayan West Bengal & Sikkim, Vidarbha and Tamil Nadu, Puducherry & Karaikal; above normal (1.6°C to 3.0°C) at most places over Uttarakhand, Jharkhand and Coastal & South Interior Karnataka; at many places over East Uttar Pradesh, East Madhya Pradesh, Coastal Andhra Pradesh & Yanam and Rayalaseema; at a few places over Himachal Pradesh and Nagaland, Manipur, Mizoram & Tripura; at isolated places over West Madhya Pradesh, Madhya Maharashtra and North Interior Karnataka. They were markedly below normal (-5.1°C to Less) at many places over West Rajasthan; appreciably below normal (-3.1°C to -5.0°C) at many places over Jammu, Kashmir, Ladakh, Gilgit, Baltistan & Muzaffarabad and Gujarat state; below normal (-1.6°C to -3.0°C) at many places over East Rajasthan; at a few places over Andaman & Nicobar Islands and near normal over rest parts of the country. Yesterday, the highest maximum temperature of 38.2°C was reported at Cooch Behar (Sub-Himalayan West Bengal).

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### Meteorological Analysis (Based on 0830 hours IST)

- ◆ The **Low Pressure Area** over northeast and adjoining areas of eastcentral Bay of Bengal, Bangladesh-Myanmar coasts with the associated cyclonic circulation extending upto 7.6 km above mean sea level persists. It is very likely to move northwestwards and become **Well Marked Low Pressure Area** during next 06 hours. Continuing to move northwestwards, it is likely to concentrate into a **Depression** by tomorrow morning, the 19th August over North Bay of Bengal and adjoining West Bengal & Bangladesh coasts. Thereafter, it is likely to move west-northwestwards across Gangetic West Bengal, North Odisha, Jharkhand and North Chhattisgarh.
- ◆ The **Well marked low pressure area** over southwest Rajasthan & adjoining southeast Pakistan now lies over southeast Pakistan. The associated cyclonic circulation extends upto 7.6 km above mean sea level. It is very likely to continue to move west-northwestwards and weaken gradually during next 24 hours.
- ◆ The **monsoon trough** at mean sea level now passes through **Well marked low pressure area** over southeast Pakistan, Nagaur, Narnaul, Hardoi, Gorakhpur, Muzzaffarpur, Behrampur and thence southeastwards to the centre of **Low Pressure Area** over northeast and adjoining areas of eastcentral Bay of Bengal, Bangladesh-Myanmar coasts.
- ◆ The north-south trough from South Interior Karnataka to Comorin area now runs from Rayalaseema to Comorin area across interior Tamil Nadu and extends upto 0.9 km above mean sea level.
- ◆ The Western Disturbance as a trough in mid-tropospheric westerlies with its axis at 5.8 km above mean sea level roughly along Long.67°E to the north of Lat.34°N has moved away east-northeastwards.
- ◆ The off-shore trough at mean sea level along south Gujarat and Maharashtra coasts has become less marked.

### Weather Forecast for next 5 days \* upto 0830 hours IST of 23rd August 2022

- ◆ Meteorological sub-division wise detailed 5 days precipitation forecast is given in Table-1.
- ◆ No significant change in maximum temperatures very likely over the country during next 5 days.

### Weather Outlook for subsequent 2 days During 23rd August - 25th August, 2022

- ◆ Fairly widespread light/moderate rainfall activity likely over Central & East India (except Bihar).
- ◆ Scattered to fairly widespread light/moderate rainfall activity likely over Northwest, West & South Peninsular India.

## Weather Warning during next 5 days \*

**18 Aug (Day 1): ♦ Heavy rainfall** at isolated places very likely over southwest Rajasthan, Gujarat state, Gangetic West Bengal, Odisha, Nagaland, Manipur, Mizoram & Tripura and Tamilnadu, Puducherry & Karaikal.

♦ **Thunderstorm accompanied with lightning & gusty winds (speed reaching 40-50 kmph gusting to 60kmph)** at isolated places very likely over Gangetic West Bengal; **with lightning & gusty winds (speed reaching 30-40 kmph gusting to 50kmph)** at isolated places over Jharkhand and **with lightning** at isolated places over southwest Rajasthan, Chhattisgarh, Odisha, Sub-Himalayan West Bengal & Sikkim, Assam & Meghalaya, Nagaland, Manipur, Mizoram & Tripura, Telangana, Coastal Andhra Pradesh & Yanam, Kerala & Mahe and Tamilnadu, Puducherry & Karaikal.

♦ **Squally weather** (wind speed 45-55 kmph gusting to 65 kmph) very likely over northeast Bay of Bengal and adjoining parts of east-central, west-central, northwest Bay of Bengal. **Squally weather** (wind speed 40-50 kmph gusting to 60 kmph) very likely over Northeast Arabian Sea and along and off north Gujarat coast, Comorin area. **Squally winds** of 50-60 kmph gusting to 70 kmph likely over northwestern parts of southwest Arabian Sea and adjoining west central Arabian Sea. **Squally winds** of 45-55 kmph gusting to 65 kmph likely over west-central and adjoining southwest and northwest Arabian Sea, adjoining east-central and adjoining northeast Arabian Sea, along and off Somalia coast, along and off north Maharashtra and Gujarat coasts. Fishermen are advised not to venture into these seas.

**19 Aug (Day 2): ♦ Heavy to very heavy rainfall with extremely heavy falls** at isolated places very likely over Odisha; **heavy to very heavy rainfall** at isolated places over Gangetic West Bengal and **heavy rainfall** at isolated places over Uttarakhand, Himachal Pradesh, Uttar Pradesh, East Madhya Pradesh, Chhattisgarh, Jharkhand, Sub-Himalayan West Bengal & Sikkim, Assam & Meghalaya and Nagaland, Manipur, Mizoram & Tripura.

♦ **Thunderstorm accompanied with lightning & gusty winds (speed reaching 40-50 kmph gusting to 60kmph)** at isolated places very likely over Gangetic West Bengal; **with lightning & gusty winds (speed reaching 30-40 kmph gusting to 50kmph)** at isolated places over Jharkhand and **with lightning** at isolated places over Himachal Pradesh, Uttarakhand, Uttar Pradesh, Madhya Pradesh, Bihar, Vidarbha, Chhattisgarh, Sub-Himalayan West Bengal & Sikkim, Assam & Meghalaya, Nagaland, Manipur, Mizoram & Tripura, Telangana, Marathwada, Coastal Andhra Pradesh & Yanam, Kerala & Mahe and Tamilnadu, Puducherry & Karaikal.

♦ **Squally weather** (wind speed 50-60 kmph gusting to 65 kmph) very likely over northwest Bay of Bengal, along and off West Bengal and Odisha coasts. **Squally weather** (wind speed 40-50 kmph gusting to 60 kmph) very likely over southeast Bay of Bengal and adjoining southwest Bay of Bengal. **Squally winds** of 50-60 kmph gusting to 70 kmph likely over northwestern parts of southwest Arabian Sea and adjoining west central Arabian Sea. **Squally winds** of 45-55 kmph gusting to 65 kmph likely over west-central and adjoining southwest and northwest Arabian Sea, along and off Somalia coast, adjoining east-central Arabian Sea, northern parts of northeast Bay of Bengal, Gulf of Mannar. Fishermen are advised not to venture into these seas.

**20 Aug (Day 3): ♦ Heavy to very heavy rainfall with extremely heavy falls** at isolated places very likely over East Madhya Pradesh and Chhattisgarh; **heavy to very heavy rainfall** at isolated places over Odisha, Jharkhand and Vidarbha and **heavy rainfall** at isolated places over Jammu, Kashmir, Ladakh, Gilgit, Baltistan & Muzaffarabad, Uttarakhand, Himachal Pradesh, Punjab, Uttar Pradesh, East Rajasthan, West Madhya Pradesh, Konkan & Goa, Assam & Meghalaya and Nagaland, Manipur, Mizoram & Tripura.

♦ **Thunderstorm accompanied with lightning & gusty winds (speed reaching 30-40 kmph gusting to 50 kmph)** at isolated places very likely over Jharkhand and **with lightning** at isolated places over Jammu, Kashmir, Ladakh, Gilgit, Baltistan & Muzaffarabad, Himachal Pradesh, Uttarakhand, Punjab, Uttar Pradesh, East Rajasthan, Madhya Pradesh, Bihar, Vidarbha, Chhattisgarh, Assam & Meghalaya, Nagaland, Manipur, Mizoram & Tripura, Telangana and Marathwada.

♦ **Squally weather** (wind speed 50-60 kmph gusting to 65 kmph) very likely over northwest Bay of Bengal, along and off West Bengal and Odisha coasts. **Squally winds** of 50-60 kmph gusting to 70 kmph likely over northwestern parts of southwest Arabian Sea and adjoining west central Arabian Sea. **Squally winds** of 45-55 kmph gusting to 65 kmph likely over west-central and adjoining southwest and northwest Arabian Sea, adjoining east-central Arabian Sea, along and off Somalia coast, Gulf of Mannar, southwest Bay of Bengal off Sri Lanka coast. Fishermen are advised not to venture into these seas.

**21 Aug (Day 4): ♦ Heavy to very heavy rainfall with extremely heavy falls** at isolated places likely over West Madhya Pradesh; **heavy to very heavy rainfall** at isolated places over East Rajasthan and East Madhya Pradesh and **heavy rainfall** at isolated places over Himachal Pradesh, south Haryana, West Uttar Pradesh, Vidarbha, Chhattisgarh, Konkan & Goa and Marathwada.

♦ **Thunderstorm accompanied with lightning** at isolated places likely over Haryana, Uttar Pradesh, Rajasthan, Vidarbha and Kerala & Mahe.

♦ **Squally weather** (wind speed 40-50 kmph gusting to 60 kmph) likely over along and off Goa and Maharashtra coasts, southwest and adjoining southeast Bay of Bengal, Comorin area and Gulf of Mannar. **Squally winds** of 50-60 kmph gusting to 70 kmph likely over northwestern parts of southwest Arabian Sea. **Squally winds** of 45-55 kmph gusting to 65 kmph likely over west-central and adjoining southwest and northwest Arabian Sea, adjoining east-central Arabian Sea, adjoining northeast Arabian Sea, along and off north Gujarat coast, along and off Somalia coast, Gulf of Mannar, southwest Bay of Bengal off Sri Lanka coast. Fishermen are advised not to venture into these seas.

**22 Aug (Day 5): ♦ Heavy to very heavy rainfall** at isolated places likely over East Rajasthan and **heavy rainfall** at isolated places over West Rajasthan, West Madhya Pradesh, Gujarat state, Konkan & Goa and Marathwada.

♦ **Thunderstorm accompanied with lightning** at isolated places likely over Haryana, Uttar Pradesh, Rajasthan and Kerala & Mahe.

♦ **Squally weather** (wind speed 40-50 kmph gusting to 60 kmph) likely over along and off Goa and Maharashtra coasts, southwest Bay of Bengal, along and off Sri Lanka coast, adjoining southeast Bay of Bengal, Comorin area and Gulf of Mannar. **Squally winds** of 50-60 kmph gusting to 70 kmph likely over northwestern parts of southwest Arabian Sea. **Squally winds** of 45-55 kmph gusting to 65 kmph likely over west-central and adjoining southwest and northwest Arabian Sea, adjoining east-central Arabian Sea, adjoining northeast Arabian Sea, along and off Somalia coast, Gulf of Mannar, southwest Bay of Bengal off Sri Lanka coast, central parts of north Bay of Bengal, adjoining west central Bay of Bengal. Fishermen are advised not to venture into these seas.

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Table-1

## 5 Day Rainfall Forecast (MID-DAY)

18-August-2022

Met-Sub-Division	18-Aug Today	19Aug Fri	20Aug Sat	21Aug Sun	22Aug Mon
1. Andaman & Nicobar Islands	FWS	FWS	FWS	WS	WS
2. Arunachal Pradesh	ISOL	ISOL	SCT	SCT	SCT
3. Assam & Meghalaya	SCT	FWS	FWS	FWS	FWS
4. N. M. M. & T.	FWS	FWS	FWS	FWS	FWS
5. S.H. West Bengal & Sikkim	SCT	FWS	FWS	SCT	SCT
6. Gangetic West Bengal	WS	WS	FWS	SCT	SCT
7. Odisha	WS	WS	WS	FWS	SCT
8. Jharkhand	FWS	WS	WS	FWS	SCT
9. Bihar	ISOL	FWS	SCT	ISOL	ISOL
10. East Uttar Pradesh	ISOL	SCT	WS	FWS	ISOL
11. West Uttar Pradesh	ISOL	SCT	FWS	FWS	SCT
12. Uttarakhand	SCT	WS	WS	SCT	SCT
13. Haryana, Chd & Delhi	ISOL	ISOL	ISOL	FWS	SCT
14. Punjab	ISOL	ISOL	ISOL	ISOL	SCT
15. Himachal Pradesh	SCT	FWS	WS	WS	FWS
16. J & K and Ladakh	ISOL	SCT	FWS	FWS	FWS
17. West Rajasthan	SCT	ISOL	ISOL	ISOL	FWS
18. East Rajasthan	ISOL	ISOL	SCT	WS	WS
19. West Madhya Pradesh	SCT	SCT	FWS	WS	WS
20. East Madhya Pradesh	SCT	FWS	WS	WS	WS
21. Gujarat Region	FWS	FWS	SCT	FWS	WS
22. Saurashtra & Kutch	FWS	SCT	SCT	SCT	FWS
23. Konkan & Goa	WS	WS	WS	WS	WS
24. Madhya Maharashtra	SCT	SCT	FWS	FWS	FWS
25. Marathawada	ISOL	SCT	FWS	FWS	SCT
26. Vidharbha	SCT	FWS	WS	WS	FWS
27. Chhattisgarh	SCT	FWS	WS	FWS	FWS
28. Coastal A. P. & Yanam	SCT	SCT	ISOL	ISOL	ISOL
29. Telangana	ISOL	SCT	SCT	ISOL	ISOL
30. Rayalaseema	ISOL	ISOL	ISOL	ISOL	ISOL
31. T.N., Puducherry & Karaikal	SCT	SCT	ISOL	ISOL	ISOL
32. Coastal Karnataka	FWS	FWS	FWS	FWS	WS
33. North Interior Karnataka	ISOL	ISOL	SCT	SCT	SCT
34. South Interior Karnataka	SCT	ISOL	ISOL	SCT	SCT
35. Kerala & Mahe	ISOL	ISOL	ISOL	FWS	FWS
36. Lakshadweep	MD	DRY	DRY	SCT	SCT

### % Station Reporting Rainfall

% 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)
No Rain	Dry		

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