

Forecast for next two week

Weather systems & associated Precipitation during Week 1 (15 to 21 August, 2024) and Week 2 (22 to 28 August, 2024)

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Weather Systems

- ✓ The **Monsoon trough** is near its normal position at mean sea level. It is likely to be near its normal position during most days of the week.
- ✓ A **cyclonic circulation** lies over South Bangladesh & adjoining Gangetic West Bengal extending upto mid-tropospheric level. Under its influence, a low pressure area likely to form over Gangetic West Bengal during next 24 hours and is very likely to move west-northwest wards for subsequent 4-5 days.
- ✓ A **cyclonic circulation** lies over northeast Rajasthan & neighbourhood extending upto mid tropospheric level.
- ✓ A **cyclonic circulation** lies over southeast Arabian Sea & adjoining south Kerala coast extending upto mid-tropospheric level. A **trough** runs from Konkan to above mentioned cyclonic circulation extending upto lower tropospheric level.

Forecast & Warnings: (upto 7 days):

❖ Northwest India

- ✓ Fairly widespread to widespread light/moderate rainfall very likely over Jammu-Kashmir-Ladakh-Gilgit-Baltistan-Muzaffarabad, Himachal Pradesh & Uttarakhand; scattered to fairly widespread rainfall over Punjab, Haryana-Chandigarh-Delhi, Uttar Pradesh and Rajasthan during the week.
- ✓ Isolated **heavy rainfall** very likely over Jammu-Kashmir-Ladakh-Gilgit-Baltistan-Muzaffarabad & West Rajasthan during 15th -17th; Uttarakhand & Uttar Pradesh during 15th -21st; Himachal Pradesh during 15th -21st; Punjab on 15th; Haryana-Chandigarh-Delhi on 15th & 16th August.
- ✓ Isolated **very heavy rainfall** also very likely over Jammu-Kashmir-Ladakh-Gilgit-Baltistan-Muzaffarabad on 15th; Himachal Pradesh & West Rajasthan on 15th and East Rajasthan on 15th & 16th August.

❖ West & Central India

- ✓ Fairly widespread to widespread light/moderate rainfall very likely over Madhya Pradesh, Vidarbha & Chhattisgarh; scattered to fairly widespread rainfall over Konkan & Goa and Gujarat Region; isolated to scattered rainfall over Madhya Maharashtra, Marathwada and Saurashtra & Kutch during next 7 days.

- ✓ Isolated **Heavy rainfall** very likely over West Madhya Pradesh on 15th, 16th & during 19th -21st; East Madhya Pradesh on 15th & during 18th -21st; Vidarbha and Konkan & Goa during 18th -20th; Chhattisgarh during 17th - 21st August.
- ✓ Isolated **very heavy rainfall** also very likely over Chhattisgarh on 15th & 16th August.

❖ **East & Northeast India**

- ✓ Fairly widespread to widespread light/moderate rainfall very likely over east India and scattered to fairly widespread rainfall over northeast India during the week.
- ✓ Isolated **heavy rainfall** very likely over Sub-Himalayan West Bengal & Sikkim on 15th & 16th; Gangetic West Bengal on 15th & 18th; Bihar and Nagaland, Manipur, Mizoram & Tripura during 15th -21st; Jharkhand on 15th, 16th, 19th & 20th, Odisha during 15th -19th, Arunachal Pradesh on 15th, Assam & Meghalaya on 15th and during 19th -21st August.
- ✓ Isolated **very heavy rainfall** also very likely over Gangetic West Bengal on 16th & 17th and Jharkhand on 17th & 18th August.

❖ **South Peninsular India:**

- ✓ Fairly widespread to widespread light/moderate rainfall very likely over Kerala & Mahe, Lakshadweep & Karnataka state; scattered to fairly widespread rainfall over Tamil Nadu, Puducherry & Karaikal, Coastal Andhra Pradesh & Yanam, Rayalaseema and Telangana during the week.
- ✓ Isolated **heavy rainfall** very likely over Tamil Nadu, Puducherry & Karaikal on 15th, 18th & 19th; Kerala & Mahe on 18th & 19th; Lakshadweep on 16th - 19th; Rayalaseema on 15th & 17th; Coastal Karnataka on 16th; North Interior Karnataka on 15th & 16th; South Interior Karnataka on 17th August.
- ✓ Isolated **very heavy rainfall** also very likely over Tamil Nadu, Puducherry & Karaikal on 16th & 17th; Kerala & Mahe during 15th -17th; Lakshadweep on 15th; Rayalaseema on 16th; Coastal Karnataka on 15th & South Interior Karnataka on 15th & 16th August.

- ❖ **Overall, rainfall is likely to be above normal over most parts of plains of northwest India, central and east India; near normal over many parts of Western Himalayan region and over South Peninsular India; below normal over northeastern states during the week.**

Rainfall for week 2 (22 to 28 August, 2024):

- ❖ Monsoon trough is likely to be active and near or south its normal position during the week.
- ❖ Off-shore trough along the west coast is likely to prevail during most days of the week.
- ❖ Due to above meteorological features, fairly widespread to widespread rainfall with heavy to very heavy falls are likely over most parts of northwest & central India specially over Rajasthan and Madhya Pradesh) and along the West Coast states (Kerala, Coastal Karnataka, Konkan & Goa, ghat areas of Karnataka & Maharashtra and Gujarat); with heavy falls over east & southern parts of northeast India and rest parts of south Peninsular India during most days of the week.
- ❖ Overall, rainfall is likely to be above normal over plains of northwest India & over central India and near normal over Western Himalayan region; normal to above normal over East & Northeast India and South Peninsular India during the week.