

India Meteorological Department (Ministry of Earth Sciences)

BULLETIN NO. 97 (ARB/01/2023)

TIME OF ISSUE: 0830 HOURS IST DATED: 19.06.2023

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Sub: Depression (Remnant of Cyclonic Storm 'Biparjoy') over central parts of East Rajasthan & neighbourhood

The Depression (Remnant of Cyclonic Storm 'Biparjoy') over central parts of East Rajasthan and neighbourhood moved nearly eastwards with a speed of 13 kmph during past 6-hours, and lay centered at 0530 hours IST of 19th June, 2023 over the same region near latitude 26.3°N and longitude 76.0°E, about 30 km east-northweast of Tonk and 60 km south-southeast of Jaipur.

It is very likely to continue to move nearly east-northeastwards and maintain its intensity of Depression during next 06 hours.

Warnings:

(i) Heavy Rainfall Warning (Rajasthan and Madhya Pradesh):

- Light to moderate rainfall at most places with isolated heavy to extremely heavy rainfall is very likely over **East Rajasthan** on 19th June and isolated heavy rainfall on 20th June.
- Light to moderate rainfall at most places is likely with isolated heavy to very heavy rainfall over West Madhya Pradesh on 19th and 20th June and isolated heavy rainfall over southwest Uttar Pradesh on 20th June.

(ii) Wind warning:

Wind Warning for Rajasthan and adjoining Northwest Madhya Pradesh

 Squally wind speed reaching 30-40 kmph gusting to 50 kmph is very likely over East Rajasthan and adjoining areas of West Madhya Pradesh during next 06 hours and decrease thereafter becoming strong wind speed reaching 25-35 kmph gusting to 45 kmph thereafter over the region till evening of 19th June.

(iii) Damage expected over East Rajasthan during next 06 hours:

- Inundation of low lying areas.
- Reduction in visibility causing difficulty in surface transport in heavy rain
- > Some breaches in Kutcha road due to flooding.
- Damage to loose / unsecured structures.
- Minor damage to Banana, papaya, drumstick trees and horticultural crops.

(iv) Action suggested:

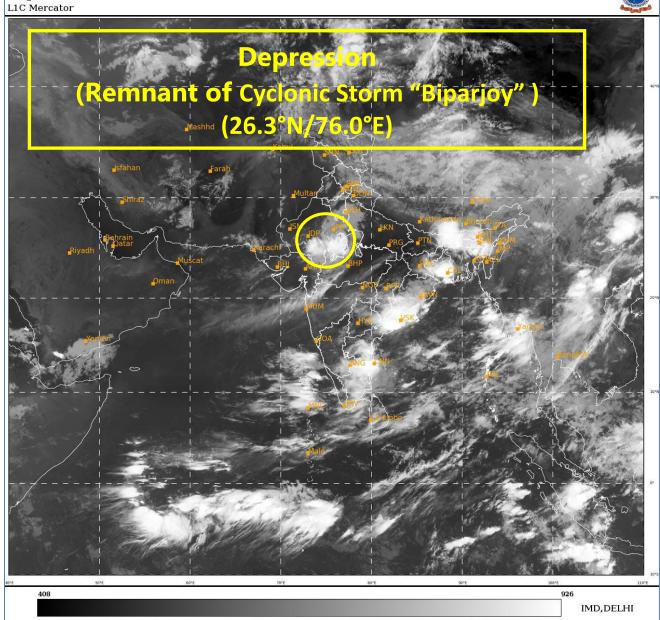
- Avoid staying in low lying areas which could be inundated due to heavy rain.
- Protect solar panels etc. from damage due to strong winds & lightning.
- > Stay indoors, close windows & doors and avoid travel, if possible, during thunderstorms& gusty winds.
- > Take safe shelters; do not take shelter under trees.
- Keep away from all the objects that conduct electricity during thunderstorm.
- Adventure activities & tourism trips may be avoided.
- Make necessary arrangements for draining out excess water from crop fields to avoid water stagnation in Gujarat, Rajasthan and West Madhya Pradesh.
- ➤ Provide mechanical support to horticultural crops and staking to vegetables.

The system is under continuous surveillance and the next message will be issued at 1130 hours IST of 19th June, 2023.

(Shobhit Katiyar)
Scientist C
Cyclone Warning Division
IMD, New Delhi

Copy to: ACWC Mumbai/ CWC Ahmedabad/MC Jaipur/MC Bhopal/RMC Nagpur/MC Lucknow LEGEND: Heavy Rainfall: 64.5 to 115.5mm, Very Heavy Rainfall: 115.6 to 204.4mm Most Places: more than 76% of total stations, Isolated Places: Less than 25% of total



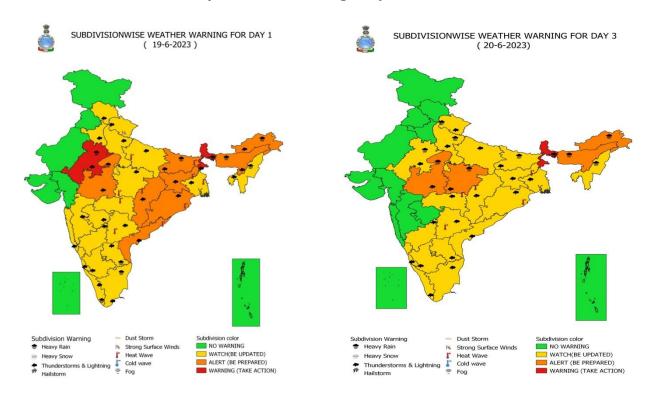


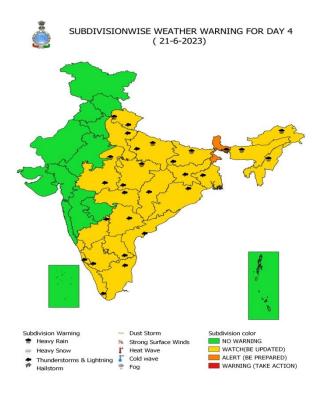


OBSERVED AND FORECAST TRACK OF DEPRESSION (REMANANT OF CYCLONIC STORM BIPARJOY) OVER CENTRAL PARTS OF EAST RAJASTHAN AND NEIGHBOURHOOD BASED ON 0000 UTC (0530 IST) OF 19TH JUNE 2023.

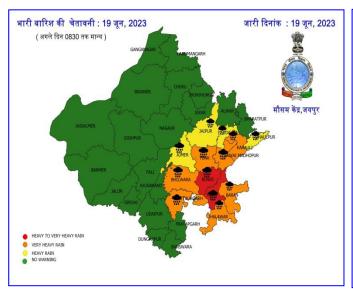


All India Heavy Rainfall Warning Maps for 18th &21st June





<u>District-wise Heavy Rainfall Warning Maps for 19th – 21st June for Rajasthan</u>







24 hours Outlook for the Flash Flood Risk (FFR) till 0530 IST of 20-06-2023 :

Moderate flash flood risk likely over few watersheds & neighbourhoods of East Rajasthan and West Rajasthan Met Subdivisions during next 24 hours.

Surface runoff/ Inundation may occur at some fully saturated soils & low-lying areas over AoC as shown in map due to expected rainfall occurrence in next 24 hours.

