



भारत सरकार Government of India  
 पृथ्वी विज्ञान मंत्रालय Ministry of Earth Sciences  
 भारत मौसम विज्ञान विभाग India Meteorological Department  
 मौसम विज्ञान केन्द्र Meteorological Centre  
 शिल्लॉग, मेघालय - ७९३००५ Shillong, Meghalaya – 793005



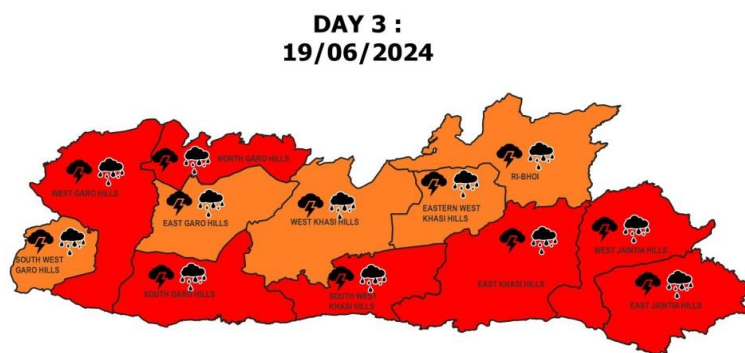
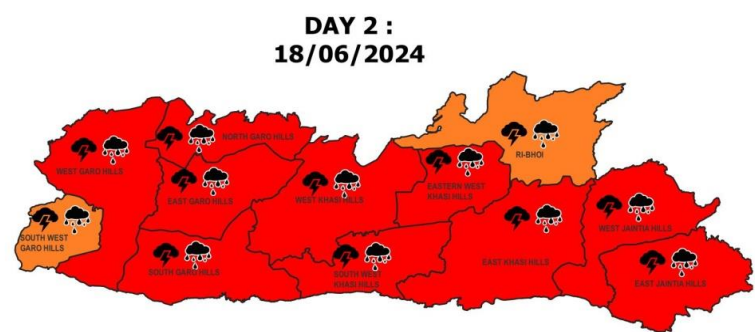
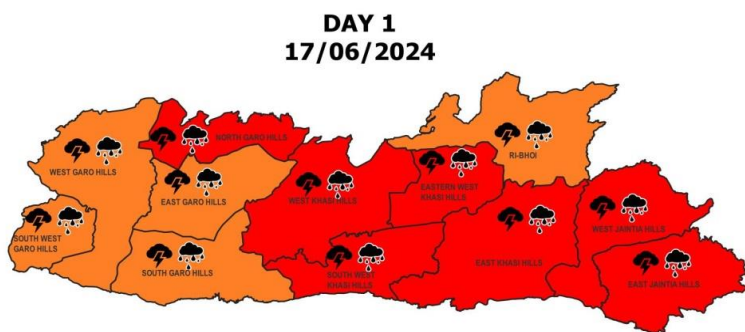
**IMPACT BASED FORECAST FOR MEGHALAYA**

Date: 17.06.2024

Time: 1300 hrs. IST

| Date  | 17 <sup>th</sup> June, 0830 hrs to 18 <sup>th</sup> June, 0830 hrs. IST   | 18 <sup>th</sup> June, 0830 hrs to 19 <sup>th</sup> June, 0830 hrs. IST   | 19 <sup>th</sup> June, 0830 hrs to 20 <sup>th</sup> June, 0830 hrs. IST   |
|---|---|---|---|
| <b>Forecast &amp; Warnings Based Upon (0830 hrs. IST)</b> | <ul style="list-style-type: none"> <li>Heavy to Very Heavy with Extremely Heavy rainfall is very likely to occur at isolated places.</li> <li>Thunderstorm/Lightning is very likely to occur at most places.</li> </ul>   | <ul style="list-style-type: none"> <li>Heavy to Very Heavy rainfall with Extremely Heavy rainfall is very likely to occur at many places.</li> <li>Extremely Heavy to Exceptionally Heavy Rainfall is very likely to occur at isolated places.</li> </ul> | <ul style="list-style-type: none"> <li>Heavy to Extremely with isolated exceptionally Heavy rainfall is likely to occur at isolated places.</li> <li>Thunderstorm/Lightning is likely to occur at most places.</li> </ul> |
| <b>Impact Expected</b>                                    | <ul style="list-style-type: none"> <li>Widespread and severe water logging/ flooding in most parts of low lying area and also on river banks.</li> <li>Major disruption of traffic flow.</li> <li>Major roads/airport and travel routes may be severely affected.</li> <li>Long term disruption to municipal services (water, electricity, etc.)</li> <li>Possibility of danger to old and unmaintained structures, falling of trees etc.</li> <li>Closure of roads crossing in low water bridges.</li> <li>Possibility of landslides and mudslides in steep slopes and exposed hilly areas.</li> <li>Possible blockage and flooding of quarry and mining areas.</li> <li>Reduced visibility due to intense spell of rainfall.</li> <li>Possibility of flash floods and embankments erosion due to intense spell of rainfall.</li> <li>Possibility of damages to vulnerable structures and roads due to Very Heavy to Extremely heavy rainfall and landslides.</li> <li>Heavy rainfall may damage standing crops and the crop in the maturity stage.</li> <li>Temporary disruption to the communication and power etc.</li> </ul> |   |   |
| <b>Action Suggested</b>                                   | <ul style="list-style-type: none"> <li>Traffic may be regulated effectively.</li> <li>People in the affected area may restrict their movement.</li> <li>Avoid low lying water logging areas.</li> <li>Avoid travelling to landslide prone areas.</li> <li>Avoid crossing rivers without safe bridges</li> <li>Avoid river banks and mud flow areas</li> <li>School and Colleges in low lying areas prone to flash floods may be affected.</li> <li>Mining areas and quarries may be affected during the intense rainfall period.</li> <li>Follow latest weather warning by IMD, SDMA and NDMA CAP alerts.</li> </ul>  |   |   |

| COLOR CODES |             |
|-------------|-------------|
| Very Low    | No action   |
| Low         | Be updated  |
| Medium      | Be prepared |
| High        | Take Action |



**WARNING**

|                         |
|-------------------------|
| WARNING (TAKE ACTION)   |
| ALERT ( BE PREPARED)    |
| WATCH (BE UPDATED)      |
| NO WARNING ( NO ACTION) |

| INTENSITY            | RAINFALL (mm)  |
|----------------------|----------------|
| Heavy Rain           | 64.5 to 115.5  |
| Very Heavy Rain      | 115.6 to 204.4 |
| Extremely Heavy rain | >204.4         |

| Probabilistic Forecast |                              |
|------------------------|------------------------------|
| Terms                  | Probability of Occurrence(%) |
| Unlikely               | <25                          |
| Likely                 | 25-50                        |
| Very likely            | 50-75                        |
| Most likely            | >75                          |

|                |            |                             |             |
|----------------|------------|-----------------------------|-------------|
| Heavy Rainfall | Cyclone    | Thunderstorm with Lightning | Squall/Hail |
| Strong Winds   | Visibility | Lightning                   | Dense Fog   |

For Detailed weather forecasts & warnings, kindly visit MC Shillong website (<https://mausam.imd.gov.in/shillong>)  
 Phone: 0364-2911979/e-mail: [metshillong1@gmail.com](mailto:metshillong1@gmail.com)

Kindly download and use “Mausam” App for location specific forecast and warning, “Meghdoot” App for Agromet advisory and “Damini” App for Lightningwarning