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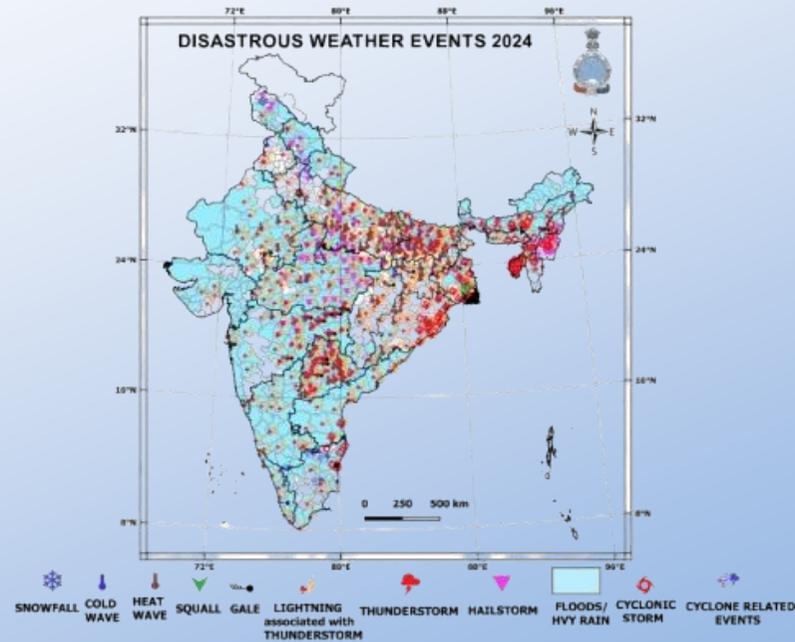
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## DISASTROUS WEATHER EVENTS - 2024

### विपदाकारी मौसम घटनाएँ - २०२४



**DWE 2024**

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Rohini P., M. Mohapatra



# INDIA METEOROLOGICAL DEPARTMENT

## DISASTROUS WEATHER EVENTS 2024

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Chandrashekhar Shaligram, Bhushan Patkar, Sabeerali C.T., Rohini P., M. Mohapatra

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The information in this publication sourced from media reports and reports from government Disaster Management Authorities. While efforts have been made to ensure accuracy, the dynamic nature of weather events and data collection limitations should be considered.

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## डॉ. मृत्युंजय महापात्र

मौसम विज्ञान विभाग के महानिदेशक,  
विश्व मौसम विज्ञान संगठन में भारत के स्थाई प्रतिनिधि  
एवं कार्यकारी परिषद के सदस्य

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## PREFACE

India experiences severe weather events every year, leading to significant loss of life, large-scale destruction, and considerable economic disruption. These adverse events severely affect day-to-day life and pose challenges to various sectors of the economy. The information presented in this publication is of critical importance for the study of weather and climate patterns, and serves as a valuable reference for disaster management authorities and other key sectors such as health, water resources, agriculture, and power. This publication offers vital insights into the wide-ranging and often extreme weather events that impact the nation annually, thereby supporting enhanced preparedness, early warning dissemination, and timely response by concerned authorities.

The India Meteorological Department (IMD) has been systematically compiling and publishing reports on Disastrous Weather Events since 1967. Over time, the report has evolved from narrative accounts of selected significant events to comprehensive documentation, providing event-wise, district-wise, and state-wise data in structured tabular formats. These reports are now further enhanced through the application of modern technologies and tools such as QGIS, along with graphical representations including bar charts and doughnut charts for better visualization. Since 2013, the report has consistently covered 11 major weather phenomena—Snowfall, Cold Wave, Heat Wave, Squalls, Gale, Dust Storm, Lightning, Thunderstorm, Hailstorm, Floods and Heavy Rains, and Cyclonic Storms—ensuring a holistic overview of the country's annual extreme weather profile. This expanded categorization offers a deeper understanding of the diverse range of natural hazards affecting different regions of India. The data incorporated in this publication is derived from a diverse range of reputable sources, including national and state Disaster Management Institutes, press information, and reports from India Meteorological Department's Regional Meteorological Centers (RMCs) and Meteorological Centers (MCs). This ensures comprehensive coverage and reliability of the information presented. The information presented in tabular format is complemented by the graphical representation by using Bar Charts, Doughnut Charts and maps enhances accessibility and provides a visually impactful depiction of different weather events and their affected districts. By using these visual aids, the report effectively conveys the distribution and intensity of these weather phenomena across various regions.

This publication reflects IMD's commitment to providing well-documented and accessible information to disaster management authorities, researchers, students, and other stakeholders. I commend the officers of the Climate Research and Services (CRS) Division, IMD Pune, for their professionalism and dedication in bringing out this important resource.

**(Mrutyunjay Mohapatra)**

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17	Abstract	India faces recurring challenges from adverse weather conditions annually, impacting various regions and leading to loss of life, widespread devastation, and economic disruption. The "Disastrous Weather Events, 2024" publication provides a comprehensive overview of these occurrences, detailing 11 major weather events, including snowfall, cold waves, heat waves, squalls, gales, dust storms, lightning, thunderstorms, hailstorms, floods, heavy rains, and cyclonic storms. Through tabular summaries and visually informative bar charts, doughnut charts, and maps, the publication vividly portrays the distribution and intensity of these weather phenomena across affected districts. This graphical representation, spanning both annual and seasonal variations, offers invaluable insights for understanding the impact of adverse weather events on communities and the economy.
18	Key Words	Snowfall, Cold Wave, Heat Wave, Squalls, Gale, Dust storm, Lightning, Thunderstorm, Hailstorm, Floods, Heavy Rains and Cyclonic Storm

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## INTRODUCTION

We all are aware that, Climate change is expected to worsen the frequency, intensity, and impacts of extreme weather events.<sup>1,2</sup> As the planet warms, we can anticipate more frequent and intense heatwaves, heavy rainfall events, droughts, and coastal storms. South Asia is also experiencing rising temperatures, changing rainfall patterns, and more frequent extreme weather events. The World Meteorological Organization (WMO) collects the data of loss and damage across the globe and reported annually in "State of the Climate in Asia".<sup>3</sup> The report highlights the region's increasing exposure to disaster hazards, including floods, droughts, heatwaves, and cyclones. Recently WMO compiled the loss and damage data and published an Atlas of "Mortality and Economic Losses from Weather, Climate and Water-related Hazards (1970-2021)"<sup>4</sup> to gain insights into historical records of extreme events worldwide. Furthermore, IMD has also published a "Climate Hazard and Vulnerability Atlas"<sup>5</sup>, utilizing data on disastrous weather events spanning from 1967 to 2009.

Since its establishment in 1967, the yearly report "Disastrous Weather Events" has been an essential record, shedding light on the various and often catastrophic weather occurrences experienced throughout India. Initially written in a storytelling format, the report provided limited insights into notable weather incidents. However, a significant shift occurred in 1977, transforming the report into an event-based presentation with a tabular layout accompanied by relevant maps. This change allowed for a more systematic and comprehensive documentation of weather-related disasters. In 2013, the report underwent further improvement, adopting a standardized framework that meticulously catalogued 11 categories of Disastrous Weather Events. These categories encompassed a broad spectrum, from Snowfall and Cold Wave to Cyclonic Storms. This expanded categorization enabled a deeper understanding of the diverse range of natural hazards affecting different regions of the country. By categorizing and classifying these events, the report ensured that stakeholders could identify patterns, trends, and correlations, thereby aiding in the development of targeted mitigation and response strategies.

The latest edition of the report is the result of hard work for collecting and analyzing data. It provides a complete overview of the Disastrous Weather Events that happened in 2024. The report is organized by type of event and state, giving detailed information about where these events occurred and their impact. It also includes information about deaths, livestock losses, and damage to crops and property in each district. This detailed information helps stakeholders make informed decisions and build stronger communities. Integral to the compilation process is the thorough gathering of information from a variety of reputable sources, including State and Disaster Management Institutes, press reports, and contributions from Regional Meteorological Centers (RMCs) and Meteorological Centers (MCs) of the India Meteorological Department (IMD). This collaborative approach ensures that the report incorporates diverse perspectives and expertise, augmenting its credibility and relevance.

Assembling and synthesizing this wealth of information, the report aims to provide stakeholders, including policymakers, emergency responders, researchers, and the general public, with a consolidated and informative overview of the significant natural hazards encountered throughout the year. By understanding the patterns of these events, the report helps us prepare for and reduce the risks of future disasters. This shows India's commitment to understanding and responding to weather-related challenges. The annual "Disastrous Weather Events" report is a valuable resource that helps stakeholders navigate the complexities of weather-related risks and uncertainties, ultimately building a safer and more resilient nation.

## Data Sources

The data utilized for the preparation of the annual publication "Disastrous Weather Events" is drawn from a diverse range of reputable sources, ensuring comprehensive coverage and reliability.

Key sources include:

- 1. State and Disaster Management Institutes:** Information from various State and Disaster Management Institutes forms a foundational aspect for this publication. These institutes provide foundational data on local weather-related incidents.
- 2. Disaster Management Situation Reports:** Situation Reports provided by the National and State Disaster Management Authorities, contribute timely and relevant information on disaster occurrences nationwide.
- 3. Press Sources:** Print and electronic media play a crucial role in providing real-time updates and in-depth coverage of weather-related incidents. This includes news articles, reports, and multimedia content from various sources.
- 4. RMCs and MCs of the IMD:** Reports from various RMCs and MCs play a crucial role in monitoring weather patterns and issuing early warnings, contributing essential insights into the understanding and documentation of disastrous weather events.

By combining data from these sources, the "Disastrous Weather Events" publication can provide a comprehensive picture of the impacts of weather-related hazards in India.

## Methodology

The "Disastrous Weather Events" report presents data in a detailed and orderly manner, aiming to provide stakeholders with a thorough understanding of the impacts of severe weather conditions.

The methodology comprises several essential stages:

- 1. Data Categorization and Organization:** Information is structured into tables based on specific events (e.g., Snowfall, Cold Wave, Heat Wave) and locations, making it easy to navigate and reference. This categorization enables a thorough examination of various weather events and their impacts across different regions.
- 2. Chronological and Geographical Organization:** Data is arranged chronologically by date and geographically by district and state, offering a precise temporal and spatial context for the occurrences. This organization helps stakeholders identify trends and patterns in weather-related incidents over time and across regions.
- 3. Use of GIS Technology:** Detailed maps are created using Geographic Information System (GIS) technology, particularly QGIS, to enhance the presentation. These maps provide a visually impactful representation of the geographical distribution of areas affected by severe weather events. Overlaying data onto maps allows viewers to quickly identify patterns, hotspots, and trends in weather-related incidents across regions.
- 4. Improved Accessibility and Interpretation:** Integration of GIS technology enhances the report's visual appeal and improves its accessibility and interpretability. This enables stakeholders to grasp the extent and severity of weather-related impacts, supporting more informed decision-making and targeted response efforts.
- 5. Comprehensive Documentation:** The systematic organization of data and visually clear GIS-generated maps ensures that the report's information is comprehensive and easily understandable for various audiences. This approach enhances the report's usefulness and effectiveness in conveying the implications of disastrous weather events, facilitating proactive measures to mitigate risks and build resilience in affected communities.

The methodology used in creating the "Disastrous Weather Events" report emphasizes precise organization, comprehensive coverage, and enhanced visual representation, ultimately providing stakeholders with the insights needed to address the challenges posed by severe weather conditions effectively.

## Salient Features

### 1) Annual:

The high impact disastrous weather events of 2024 were the following:

- During 2024, more than 3680 persons reportedly claimed dead, more than 2180 persons injured, about 245 persons missing and more than 4.56,300 livestock perished due to different weather events.
- Thunderstorms and Lightning claimed more than 1640 lives from different parts of the country. Among these, the significant reported deaths were; more than 320 from Bihar, more than 290 from Madhya Pradesh, about 225 from Uttar Pradesh, more than 200 from Odisha, about 100 from Telangana, more than 80 from both the states Jharkhand and Maharashtra, about 60 from West Bengal, 54 from Rajasthan, 48 from both Chhattisgarh and Andhra Pradesh both the states and about 110 from remaining parts of the country. Remarkably, on a single day of 10<sup>th</sup> July, total 97 deaths were reported from parts of the country [Uttar Pradesh (58), Bihar (25), Rajasthan (6), Madhya Pradesh (4), Jharkhand (3), Maharashtra (1)]. On 11<sup>th</sup> July, 48 persons reportedly claimed dead from parts of Bihar (31 deaths), Uttar Pradesh (13 deaths), Madhya Pradesh (4 deaths). This means during these 2 days' period i.e. 10<sup>th</sup> and 11<sup>th</sup> July, total 145 persons died. Whereas, during the period 25<sup>th</sup> to 28<sup>th</sup> June more than 125 deaths were reported mainly from Uttar Pradesh, Madhya Pradesh and Bihar states.
- Heavy rainfall, Floods and Landslide incidents claimed over 1480 lives from different parts of the country. Of these, more than 425 lives were reported from Kerala (mainly due to a series of catastrophic Landslides in hills of Meppadi on 30<sup>th</sup> July, the entire villages—Mundakai, Chooralmala, Attamala and Noolpuzha buried under massive Landslide which claimed about 385 human lives, about 200 others injured and about 150 missing), more than 160 from Madhya Pradesh, more than 120 from Assam, about 100 from Karnataka, about 95 from Rajasthan, about 85 from Andhra Pradesh and remaining from the rest parts of the country.
- Heat wave is one of the event, which claimed about 460 lives from different parts of the country. Of which, around 240 lives were claimed from the adversely affected state Uttar Pradesh, more than 60 from Bihar, 46 from Telangana, 35 from Jharkhand, 28 from Maharashtra, 16 from each Odisha and Rajasthan, furthermore remaining from Chhattisgarh, Madhya Pradesh, Kerala, West Bengal and UT-Delhi. While notably, 84 deaths were reported on 30<sup>th</sup> May, 65 deaths on 1<sup>st</sup> June, 51 deaths on 16<sup>th</sup> June. Substantially, during the period of 30<sup>th</sup> May to 2<sup>nd</sup> June, more than 215 deaths were reported from Uttar Pradesh, Bihar, Jharkhand, Maharashtra, Telangana, Chhattisgarh, Odisha and Madhya Pradesh, whereas during the period 14<sup>th</sup> to 16<sup>th</sup> June more than 100 deaths were reported from three states viz. Uttar Pradesh, Jharkhand and Bihar.
- During 2024, there were 4 cyclones formed over the North Indian Ocean. Of these, 2 were Severe Cyclonic Storms REMAL, DANA and two Cyclonic Storms ASNA, FENGAL. Of these, 3 cyclones Viz. REMAL, DANA and FENGAL formed over the Bay of Bengal and one cyclone viz. ASNA formed over Arabian Sea. Among these 4 cyclones, REMAL formed in the pre-monsoon season during 24<sup>th</sup> to 28<sup>th</sup> May, ASNA formed in the monsoon season during 25<sup>th</sup> August to 2<sup>nd</sup> September and remaining 2 cyclones DANA and FENGAL formed in the post-monsoon season. Out of these, REMAL, DANA and FENGAL affect the Indian coast.
- The other events like Cold Wave, Gale, Hailstorm, Snowfall and Squall also affected different parts of the country including loss of life, injury, loss of livestock and damage to crops and public, private property.

## **2) Seasonal:**

### **a) Winter Season (January - February)**

During Winter Season 2024, total 39 persons reportedly claimed dead mainly due to Lightning associated with Thunderstorm, Thunderstorm Cold Wave, Floods and Heavy Rains and Snowfall from Northwest, Eastnortheast and Central parts of the country. Also, damage to crops reported due to Hailstorm during the period of 10<sup>th</sup> February to 21<sup>st</sup> February mainly over central region and northern plains.

### **b) Pre-Monsoon Season (March - May)**

- During Pre-Monsoon Season 2024, total 746 persons reportedly claimed dead due to Lightning and Thunderstorm, Floods and Heavy Rains, Cyclonic Storm, Gale, Hailstorm from different parts of the country. Of which, 388 persons reportedly claimed dead because of Lightning and Thunderstorm, 225 because of Heat Wave, 72 because of Floods and Heavy Rains, 52 because of Severe Cyclonic Storm REMAL and remaining 9 because of Gale, Hailstorm.
- A Severe Cyclonic Storm “REMAL” (24 May to 28 May) which formed in the pre-monsoon season over the north and adjoining eastcentral Bay of Bengal near Lat. 18.8°N / Long. 89.5°E at 1730 IST/1200 UTC of 25<sup>th</sup> May as cyclonic storm and intensified into severe cyclonic storm near 19.5°N / Long. 89.4°E, over the North Bay of Bengal at 0530 IST/ 0000 UTC of 26<sup>th</sup> May, crossed the Bangladesh and adjoining West Bengal coasts between Sagar islands and Khepupara close to southwest of Mongla, as a severe cyclonic storm near Lat.21.75°N and Long. 89.20°E between 2230 IST of 26<sup>th</sup> and 0030 IST of 27<sup>th</sup> May (1700 - 1900 UTC of 26<sup>th</sup> May) and weakened into well-marked low-pressure area over Northeast Assam and neighbourhood at 1730 IST 1200 UTC on 28<sup>th</sup> May. It took a toll of 52 persons from Mizoram, West Bengal, Assam, Nagaland, Meghalaya and Manipur. While, 7 persons missing, more than 600 others injured and and livestock perished. Also, all the districts of Tripura, Viz. Dhalai, Gomati, Khowai, North Tripura, Sipahijala, South Tripura, Unakoti, West Tripura affected.
- Remarkably, on a single day 30<sup>th</sup> May, 84 persons reportedly claimed dead because of Heat Wave from Bihar (30 deaths) Uttar Pradesh (27 deaths), Jharkhand (15 deaths), Maharashtra (5 deaths) and Chhattisgarh, Madhya Pradesh and Odisha (2 deaths form each of 3 states) also Telangana (1 death).

### **c) Monsoon Season (June - September)**

- During Monsoon Season 2024, total 2758 persons reportedly claimed dead due to Floods and Heavy Rains, Lightning and Thunderstorm, Heat Wave, Gale from different parts of the country. Of which, more than 1380 persons reportedly claimed dead because of Floods and Heavy Rains, more than 1130 because of Lightning and Thunderstorm, 235 because of Heat Wave and remaining because of Gale. Also, squall reported some damage during the Monsoon season.
- The worst single day disastrous event during 2024 occurred in Kerala on 30<sup>th</sup> July, when a series of catastrophic Landslides in hills of Meppadi, the entire villages—Mundakai, Chooralmala, Attamala, and Noolpuzha buried under massive Landslide which claimed about 385 human lives, about 200 others injured and about 150 missing.

- Due to Lightning and Thunderstorm, on a single day of 10<sup>th</sup> July, total 97 deaths were reported from parts of the country [Uttar Pradesh (58), Bihar (25), Rajasthan (6), Madhya Pradesh (4), Jharkhand (3), Maharashtra (1)]. On 11<sup>th</sup> July, 48 persons reportedly claimed dead from parts of Bihar (31 deaths), Uttar Pradesh (13 deaths), Madhya Pradesh (4 deaths). This means during these 2 days' period i.e. 10<sup>th</sup> and 11<sup>th</sup> July, total 145 persons died. Whereas, during the period 25<sup>th</sup> to 28<sup>th</sup> June more than 125 deaths were reported mainly from Uttar Pradesh, Madhya Pradesh and Bihar states.
- Also, on a single day, on 1<sup>st</sup> June, 65 deaths were reported because of Heat Wave, 51 deaths on 16<sup>th</sup> June. Substantially during the period of 1<sup>st</sup> and 2<sup>nd</sup> June, and 14<sup>th</sup> to 16<sup>th</sup> June more than 100 deaths were reported from Uttar Pradesh, Bihar, Jharkhand, Odisha and Telangana.

#### **d) Post Monsoon Season (October - December)**

- During Post Monsoon Season 2024, total 143 persons reportedly claimed dead due to Lightning and Thunderstorm, Floods and Heavy Rains, Cyclonic Storm and cold Wave from different parts of the country. Of which, 90 persons reportedly claimed dead because of Lightning and Thunderstorm, more than 25 because of Floods and Heavy Rains, 2 because of cold wave. While, a Severe Cyclonic Storm DANA claimed 4 persons from West Bengal and a Cyclonic Storm FENGAL claimed 20 persons from Tamil Nadu and Puducherry.
- A Severe Cyclonic Storm "DANA" (22 October to 26 October) formed in the post-monsoon season over the eastcentral Bay of Bengal near Lat. 16.2°N / Long. 89.8°E at 0530 IST/0000 UTC of 23<sup>rd</sup> October as cyclonic storm and intensified into a severe cyclonic storm near Lat. 17.9°N / Long. 88.5°E over the central and adjoining northwest Bay of Bengal at 2330 IST/ 1800 UTC of the same day i.e. 23<sup>rd</sup> October, crossed the North Odisha coast close to Habalikhati Nature Camp (Bhitarkanika) and Dhamara during 2000 to 2200 UTC of 24<sup>th</sup> October (i.e. 0130 to 0330 hrs IST of 25<sup>th</sup> October) as a severe Cyclonic Storm and weakened into well marked low pressure area over North Odisha at 0530 IST/0000 UTC of 26<sup>th</sup> October. It took a toll of 4 persons from West Bengal and 23 livestock perished in Odisha.
- A Cyclonic Storm "FENGAL" (25 November to 2 December), formed in the post-monsoon season over the Southwest Bay of Bengal near Lat. 11.2°N / Long.82.2°E, at 1430 IST/0900 UTC of 29<sup>th</sup> November, crossed north Tamil Nadu and Puducherry coasts as a Cyclonic Storm near Lat. 12.05°N and Long. 79.9°E close to Puducherry between 2230 hrs IST and 2330 hrs IST of 30<sup>th</sup> November and weakened into a well-marked low-pressure area over north interior Tamil Nadu at 0530 IST/0000 UTC of 2<sup>nd</sup> December. It took a toll of 20 persons from Tamil Nadu and Puducherry and 18 livestock perished in Andhra Pradesh.

### **3) Monthly**

During the year 2024, total 3686 persons reportedly claimed dead. Of which, maximum deaths (more than 1000) were reported in the month of July 2024, followed by June (more than 730 deaths), May (more than 530 deaths), August (more than 450 deaths), September (more than 390 deaths). April (more than 140 deaths), October (more than 100 deaths) While, the minimum deaths reported in the month of December 2024 (7 deaths).

### **4) State wise**

Uttar Pradesh is the most adversely affected state during 2024, which reportedly claimed more than 480 deaths due to Heat Wave, Lightning, Thunderstorm, Heavy Rainfall and Floods. Madhya Pradesh is also adversely affected state, which reportedly claimed more than 460 deaths due to Lightning, Thunderstorm, Heavy Rainfall, Floods and Heat Wave. The worst affected state Bihar claimed more than 435 lives because of Lightning, Thunderstorm, Heat Wave, Heavy Rainfall, Floods and Cold Wave. The next worst affected state Kerala also claimed about 435 lives mainly due to massive Landslide (Wayanad district), Floods Heavy Rains, Lightning and Heat Wave. While, 224 lives were claimed from Odisha, 206 from Telangana, 179 from Maharashtra, 165 from Rajasthan, 147 from Karnataka, 137 from Assam, 133 from Andhra Pradesh, 125 from Jharkhand and remaining more than 400 casualties were from the rest parts of the country.

# ANNUAL DISASTROUS WEATHER EVENTS OF 2024

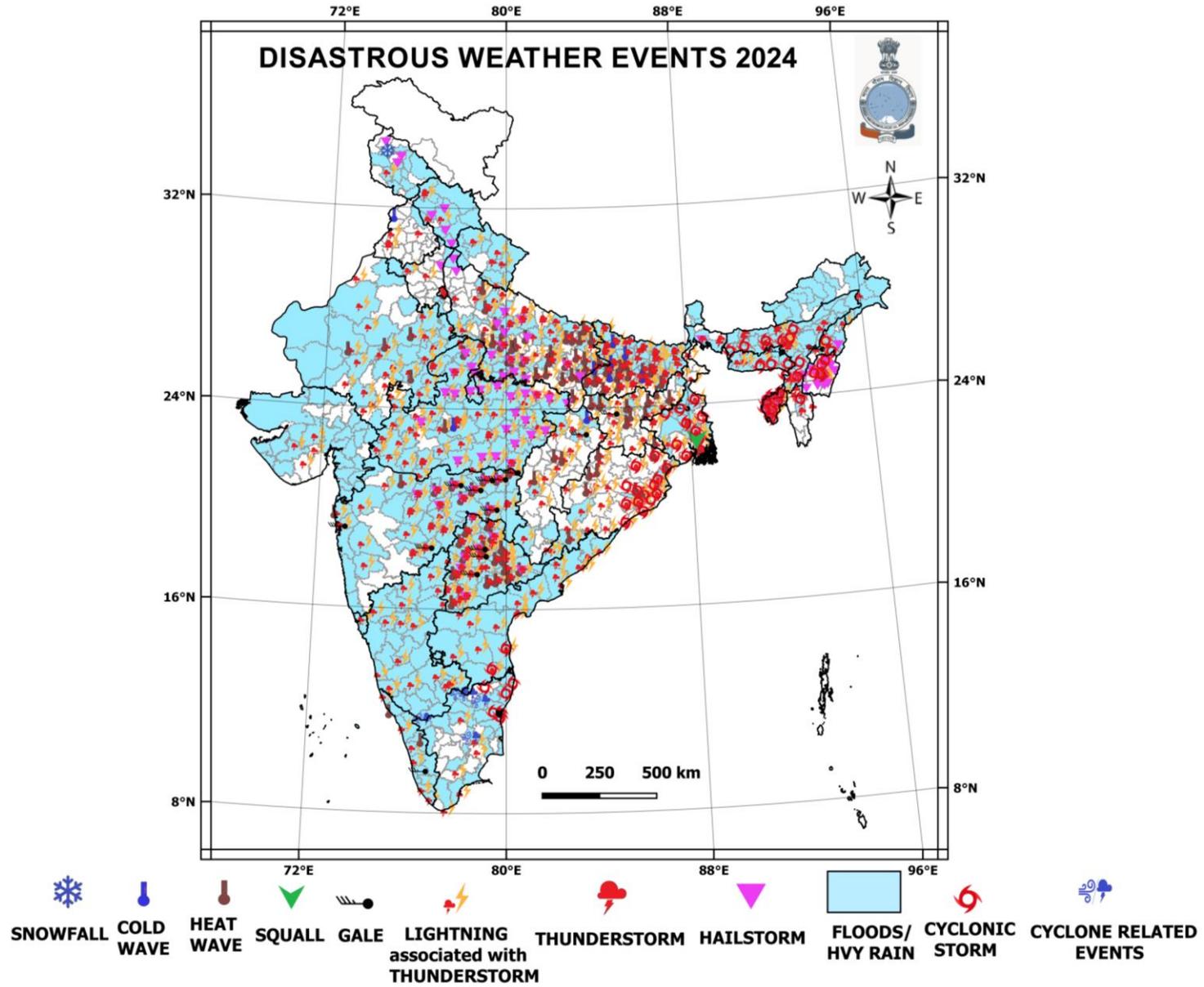


Figure 1: Disastrous Weather Events 2024

Table 1: State Wise Deaths Due to Disastrous Weather Events during 2024

State/UT	SNOWFALL 	COLD WAVE 	HEAT WAVE 	GALE 	LIGHTNING associated with THUNDERSTORM 	THUNDERSTORM 	HAILSTORM 	FLOODS and HEAVY RAINS 	CYCLONIC STORM / CYCLONE RELATED EVENTS 	Grand Total
ANDHRA PRADESH	*	*	*	*	48	*	*	85	*	133
ARUNACHAL PRADESH	*	*	*	*	*	1	*	9	*	10
ASSAM	*	*	*	*	6	7	*	122	2	137
BIHAR	*	6	63	*	71	251	*	47	*	438
CHHATTISGARH	*	1	7	*	48	*	*	5	*	61
GOA	*	*	*	*	1	*	*	5	*	6
GUJARAT	*	*	*	*	10	*	*	28	*	38
HARYANA	*	*	*	*	2	*	*	10	*	12
HIMACHAL PRADESH	*	*	*	*	1	2	*	45	*	48
JHARKHAND	*	*	35	1	88	*	*	1	*	125
KARNATAKA	*	*	*	*	39	*	*	108	*	147
KERALA	*	*	2	*	8	*	*	426	*	436
MADHYA PRADESH	*	1	5	*	291	2	*	166	*	465
MAHARASHTRA	*	*	28	1	63	21	2	64	*	179
MANIPUR	*	*	*	*	2	*	*	2	3	7
MEGHALAYA	*	*	*	1	3	*	*	25	6	35
MIZORAM	*	*	*	*	*	1	*	3	30	34
NAGALAND	*	*	*	*	2	*	*	27	4	33
ODISHA	*	*	16	*	208	*	*	*	*	224
PUNJAB	*	1	*	*	3	*	*	9	*	13
RAJASTHAN	*	*	16	*	54	*	*	95	*	165
SIKKIM	*	*	*	*	*	*	*	12	*	12
TAMIL NADU	*	*	*	*	10	*	*	2	16	28
TELANGANA	*	*	46	4	78	22	*	56	*	206
TRIPURA	*	*	*	*	8	*	*	44	*	52
UTTAR PRADESH	*	*	240	*	199	26	*	24	*	489
UTTARAKHAND	*	*	*	*	3	1	*	35	*	39
WEST BENGAL	*	*	1	1	49	11	*	1	11	74
DELHI	*	*	1	*	*	2	*	13	*	16
JAMMU AND KASHMIR	1	*	*	*	1	*	*	18	*	20
PUDUCHERRY	*	*	*	*	*	*	*	*	4	4
<b>Grand Total</b>	<b>1</b>	<b>9</b>	<b>460</b>	<b>8</b>	<b>1296</b>	<b>347</b>	<b>2</b>	<b>1487</b>	<b>76</b>	<b>3686</b>

The symbol \* indicates NIL / NOT REPORTED

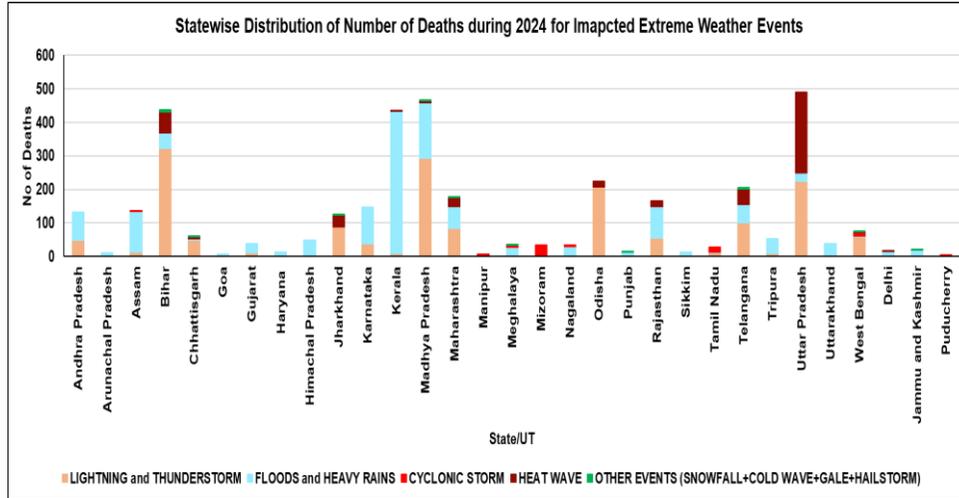


Figure 2: State wise distribution of number of deaths during 2024

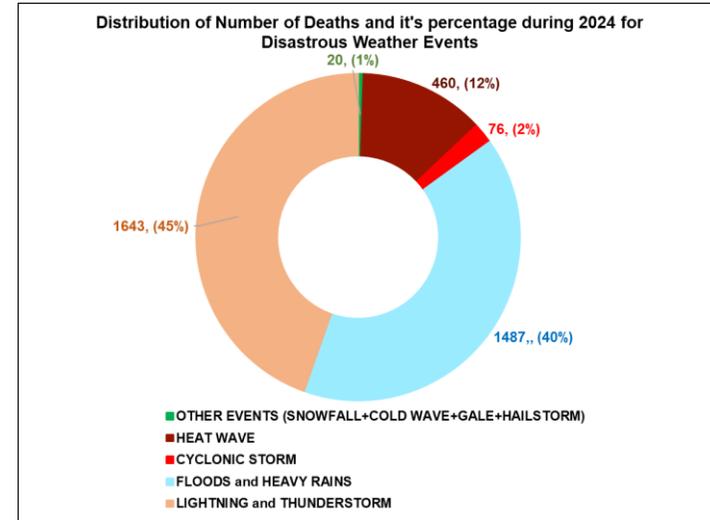


Figure 3: Distribution of the number of deaths and its percentage during 2024

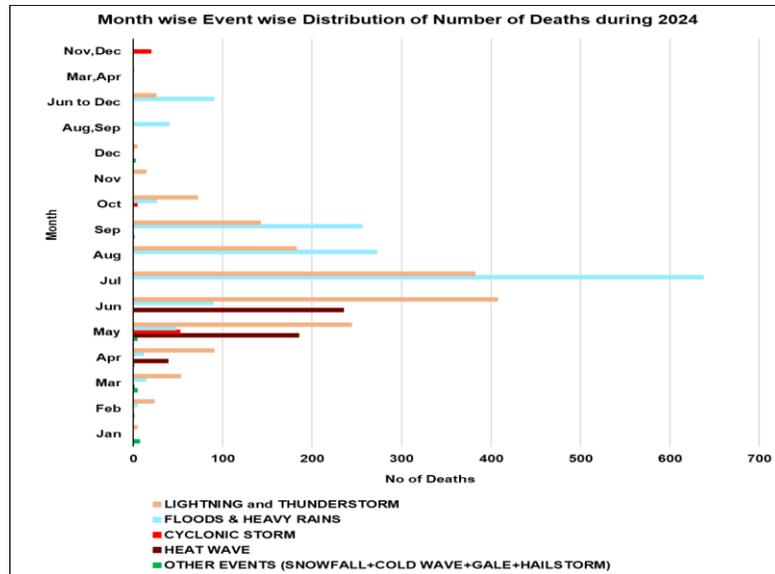


Figure 4: Month wise Event wise distribution of dumber of deaths during 2024

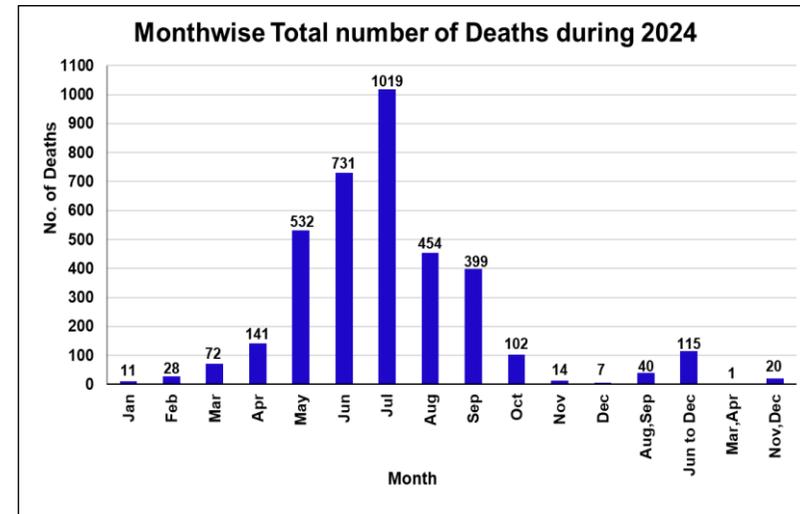


Figure 5: Month wise Total number of deaths during 2024

**Table 2: Disastrous Weather Events occurred during 2024 along with associated Loss of Life and Dates**

<b>Event</b>	<b>Number of Casualties</b>	<b>Season</b>	<b>Date</b>	<b>State / Union Territory Affected</b>
Lightning and Thunderstorm	1643	Whole year	3 Jan to 28 Dec.	Andhra Pradesh, Arunachal Pradesh, Assam, Bihar, Chhattisgarh, Goa, Gujarat, Haryana, Himachal Pradesh, Jharkhand, Karnataka, Kerala, Madhya Pradesh, Maharashtra, Manipur, Meghalaya, Mizoram, Nagaland, Odisha, Punjab, Rajasthan, Tamil Nadu, Telangana, Tripura, Uttar Pradesh, Uttarakhand, West Bengal, Delhi, Jammu and Kashmir
Floods and Heavy Rain	1487	Whole year	6 Feb. to 3 Dec.	Andhra Pradesh, Arunachal Pradesh, Assam, Bihar, Chhattisgarh, Goa, Gujarat, Haryana, Himachal Pradesh, Jharkhand, Karnataka, Kerala, Madhya Pradesh, Maharashtra, Manipur, Meghalaya, Mizoram, Nagaland, Punjab, Rajasthan, Sikkim, Tamil Nadu, Telangana, Tripura, Uttar Pradesh, Uttarakhand, West Bengal, Delhi, Jammu and Kashmir
Heat Wave	460	Pre Monsoon and Monsoon	23 Mar.; 2, 5, 7, 9, 10, 11, 14, 15, 16, 17, 19, 21 to 24, 26 to 30 Apr.; 1, 2, 4, 5, 8, 12, 24 to 31 May; 1 to 17, 19, 27, 30 Jun.	Bihar, Chhattisgarh, Jharkhand, Kerala, Madhya Pradesh, Maharashtra, Odisha, Rajasthan, Telangana, Uttar Pradesh, West Bengal, Delhi
Cold Wave	9	Winter and Post Monsoon	7, 10, 24 Jan.; 11, 13 Dec.	Bihar, Chhattisgarh, Madhya Pradesh, Punjab
Gale	8	Pre Monsoon and Monsoon	18, 19, 31 Mar.; 22, 26 May; 14 Sep.	Jharkhand, Maharashtra, Meghalaya, Telangana, West Bengal
Hailstorm	2	Pre Monsoon	18 Mar.; 23 Apr.	Maharashtra
Snowfall	1	Winter	22 Feb.	Jammu and Kashmir
Severe Cyclonic Storm REMAL	52	Pre Monsoon	24 to 28 May	Assam, Manipur, Meghalaya, Mizoram, Nagaland, West Bengal
Severe Cyclonic Storm DANA	4	Post Monsoon	22 to 26 Oct.	West Bengal
Cyclonic Storm FENGAL	20	Post Monsoon	25 Nov. to 2 Dec.	Tamil Nadu, Puducherry

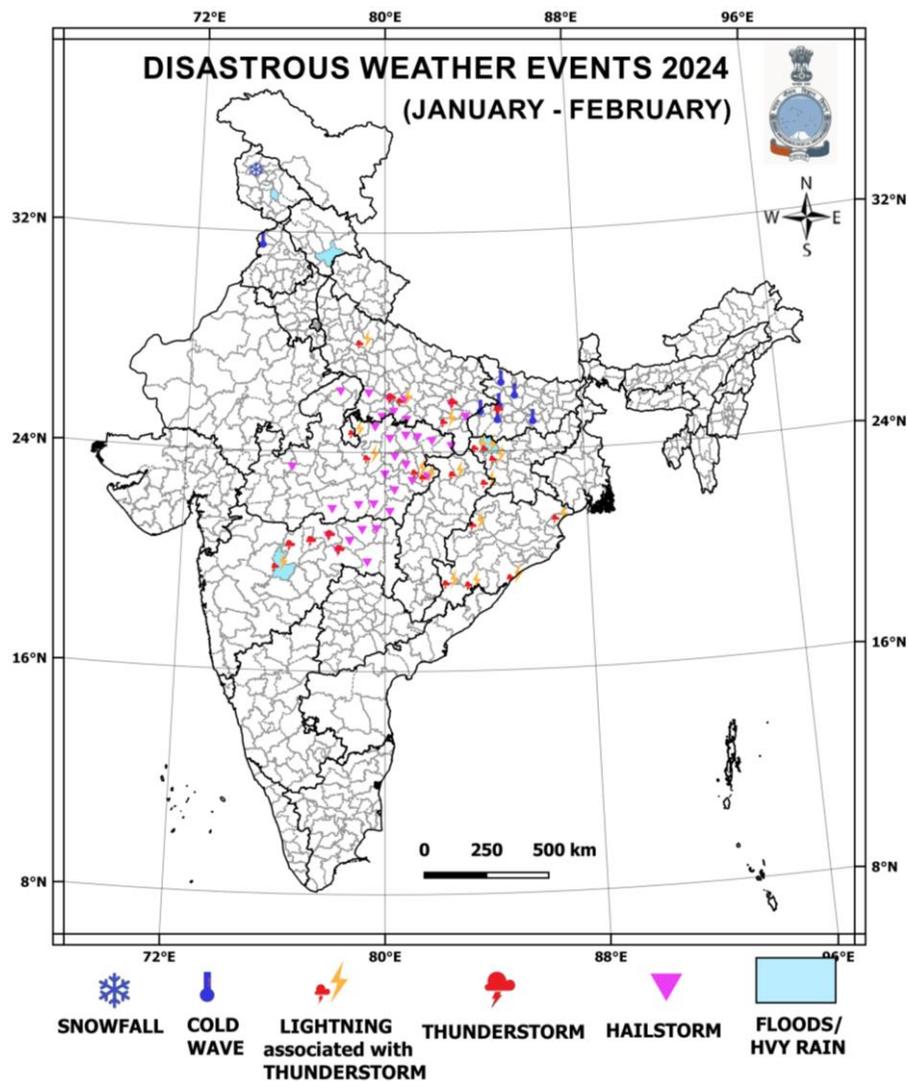


Figure 6: Disastrous Weather Events for Winter Season (January - February) 2024

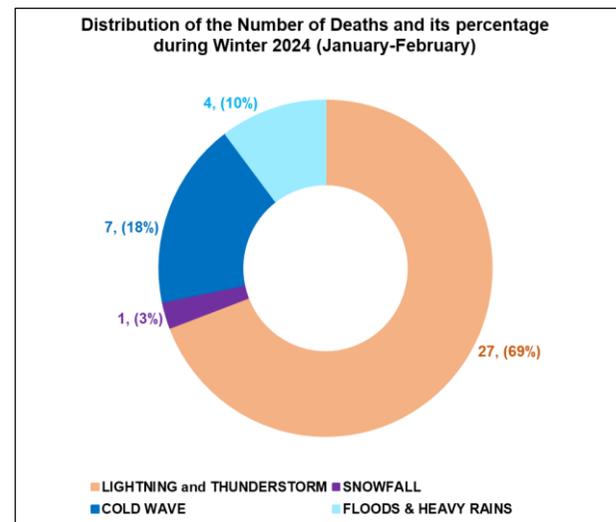


Figure 7: Distribution of the Number of Deaths and its percentage during Winter Season (January-February) 2024

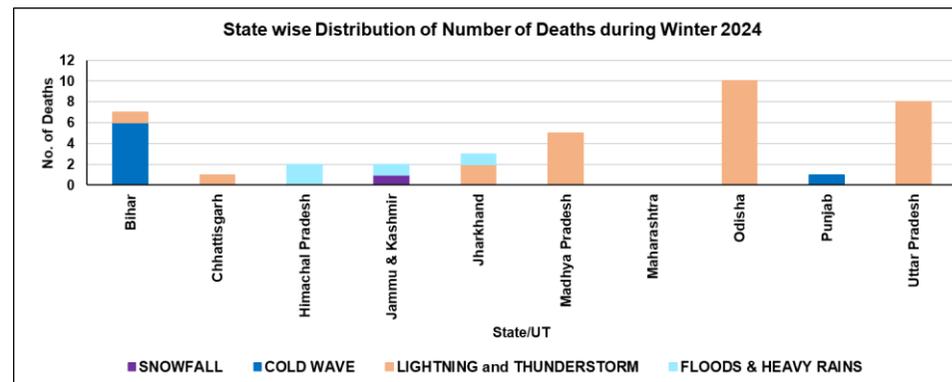


Figure 8: State wise Distribution of Number of Deaths during Winter Season (January - February) 2024

**Table 3: State Wise Deaths Due to Disastrous Weather Events during Winter Season (January - February) 2024**

STATE / UT	SNOWFALL	COLD WAVE	LIGHTNING ASSOCIATED WITH THUNDERSTORM	THUNDERSTORM	FLOODS AND HEAVY RAINS	GRAND TOTAL
BIHAR	*	6	*	1	*	7
CHHATTISGARH	*	*	1	*	*	1
HIMACHAL PRADESH	*	*	*	*	2	2
JHARKHAND	*	*	2	*	1	3
MADHYA PRADESH	*	*	5	*	*	5
ODISHA	*	*	10	*	*	10
PUNJAB	*	1	*	*	*	1
UTTAR PRADESH	*	*	5	3	*	8
JAMMU AND KASHMIR	1	*	*	*	1	2
<b>Grand Total</b>	<b>1</b>	<b>7</b>	<b>23</b>	<b>4</b>	<b>4</b>	<b>39</b>

The symbol \* indicates NIL / NOT REPORTED

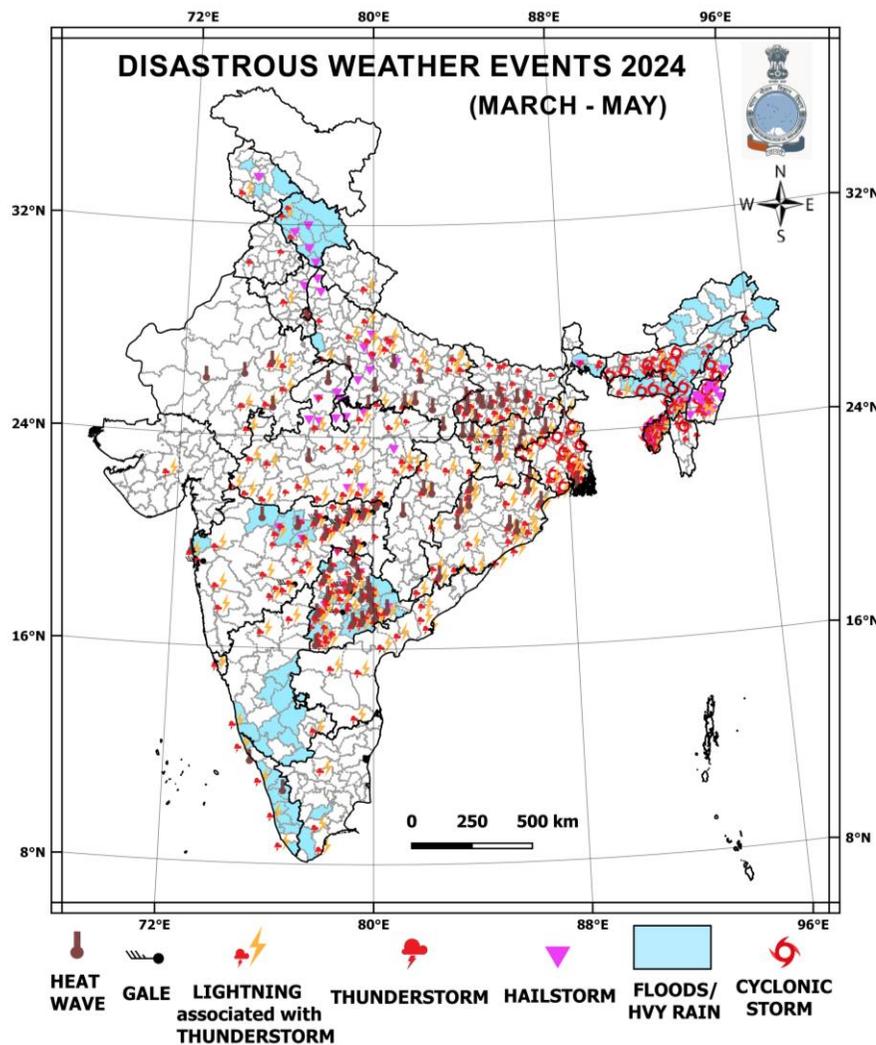


Figure 9: Disastrous Weather Events for Pre-Monsoon Season (March- May) 2024

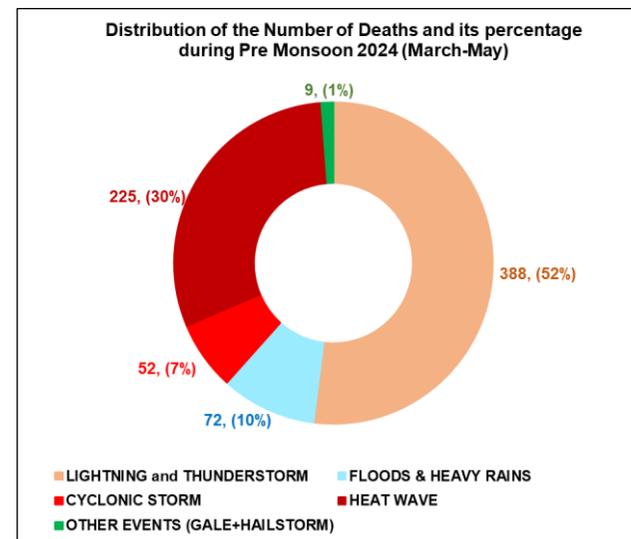


Figure 10: Distribution of the Number of Deaths and its percentage during Pre-Monsoon Season (March- May) 2024

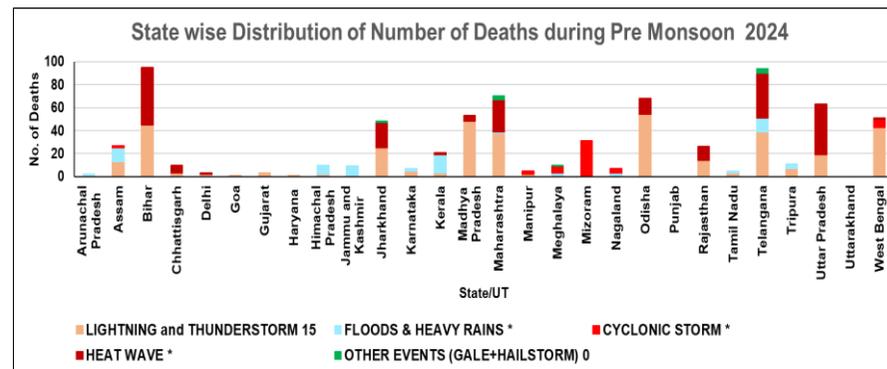


Figure 11: State wise Distribution of Number of Deaths during Pre-Monsoon Season (March- May) 2024

**Table 4: State Wise Deaths Due to Disastrous Weather Events during Pre-Monsoon Season (March - May) 2024**

STATE / UT	HEAT WAVE	GALE	LIGHTNING ASSOCIATED WITH THUNDERSTORM	THUNDERSTORM	HAILSTORM	FLOODS AND HEAVY RAINS	CYCLONIC STORM	GRAND TOTAL
ANDHRA PRADESH	*	*	15	*	*	*	*	15
ARUNACHAL PRADESH	*	*	*	1	*	1	*	2
ASSAM	*	*	6	7	*	12	2	27
BIHAR	50	*	7	38	*	*	*	95
CHHATTISGARH	7	*	3	*	*	*	*	10
GOA	*	*	1	*	*	*	*	1
GUJARAT	*	*	3	*	*	*	*	3
HARYANA	*	*	1	*	*	*	*	1
HIMACHAL PRADESH	*	*	*	2	*	8	*	10
JHARKHAND	22	1	25	*	*	*	*	48
KARNATAKA	*	*	5	*	*	2	*	7
KERALA	2	*	3	*	*	16	*	21
MADHYA PRADESH	5	*	46	2	*	*	*	53
MAHARASHTRA	28	1	20	18	2	1	*	70
MANIPUR	*	*	2	*	*	*	3	5
MEGHALAYA	*	1	1	*	*	2	6	10
MIZORAM	*	*	*	1	*	*	30	31
NAGALAND	*	*	*	*	*	3	4	7
ODISHA	14	*	54	*	*	*	*	68
RAJASTHAN	12	*	14	*	*	*	*	26
TAMIL NADU	*	*	3	*	*	2	*	5
TELANGANA	39	4	23	16	*	12	*	94
TRIPURA	*	*	7	*	*	4	*	11
UTTAR PRADESH	44	*	15	4	*	*	*	63
WEST BENGAL	1	*	32	11	*	*	7	51
DELHI	1	*	*	2	*	*	*	3
JAMMU AND KASHMIR	*	*	*	*	*	9	*	9
<b>GRAND TOTAL</b>	<b>225</b>	<b>7</b>	<b>286</b>	<b>102</b>	<b>2</b>	<b>72</b>	<b>52</b>	<b>746</b>

The symbol \* indicates NIL / NOT REPORTED

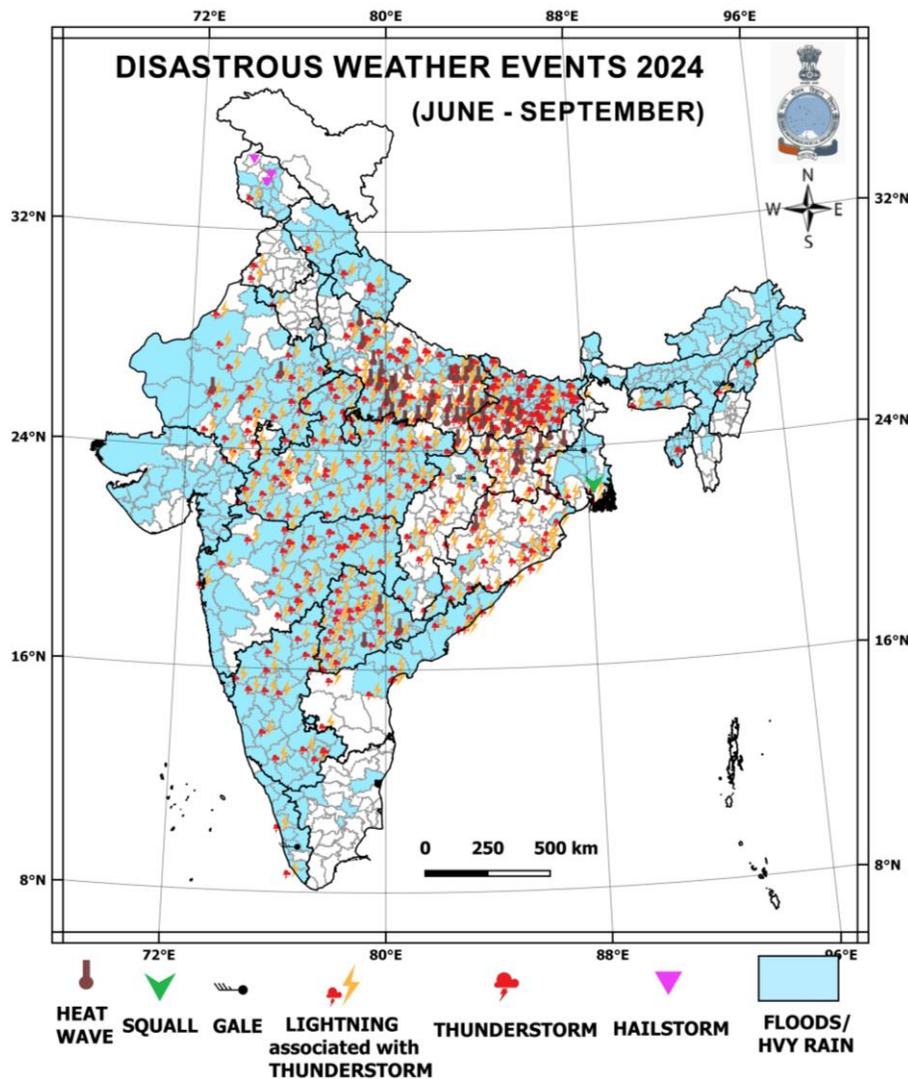


Figure 12: Disastrous Weather Events for Monsoon Season (June - September) 2024

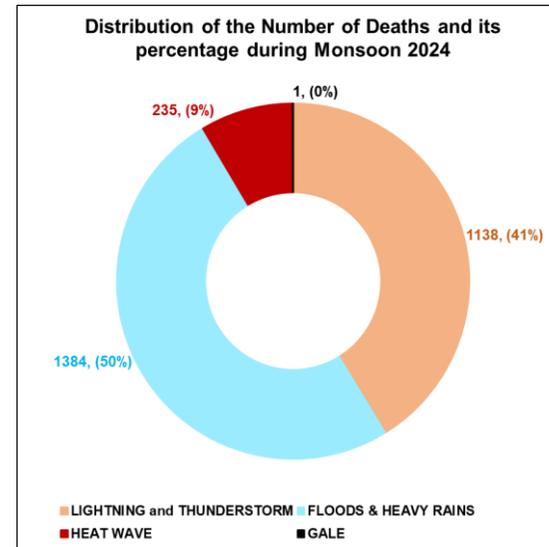


Figure 13: Distribution of the Number of Deaths and its percentage during Monsoon Season (June - September) 2024

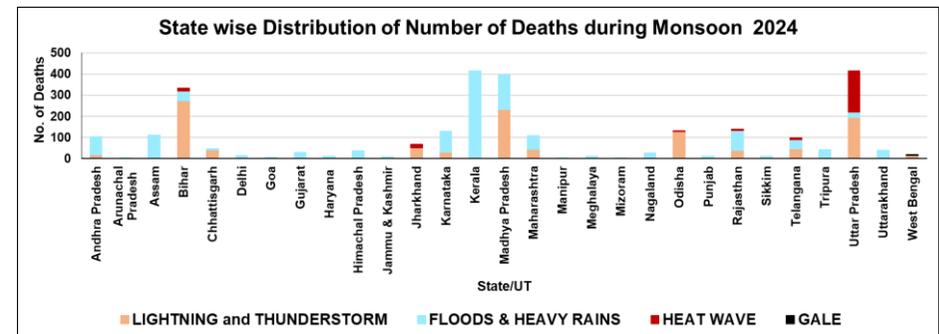


Figure 14: State wise Distribution of Number of Deaths during Monsoon Season (June - September) 2024

**Table 5: State Wise Deaths Due to Disastrous Weather Events during Monsoon Season (June - September) 2024**

STATE / UT	GALE	HEAT WAVE	LIGHTNING ASSOCIATED WITH THUNDERSTORM	THUNDERSTORM	FLOODS AND HEAVY RAINS	GRAND TOTAL
ANDHRA PRADESH	*	*	18	*	85	103
ARUNACHAL PRADESH	*	*	*	*	4	4
ASSAM	*	*	*	*	110	110
BIHAR	*	13	64	209	47	333
CHHATTISGARH	*	*	41	*	5	46
GOA	*	*	*	*	5	5
GUJARAT	*	*	*	*	28	28
HARYANA	*	*	1	*	10	11
HIMACHAL PRADESH	*	*	1	*	35	36
JHARKHAND	*	13	53	*	*	66
KARNATAKA #	*	*	31	*	98	129 #
KERALA	*	*	4	*	410	414
MADHYA PRADESH	*	*	232	*	166	398
MAHARASHTRA	*	*	42	3	63	108
MANIPUR	*	*	*	*	2	2
MEGHALAYA	*	*	2	*	9	11
MIZORAM	*	*	*	*	3	3
NAGALAND	*	*	2	*	24	26
ODISHA	*	2	129	*	*	131
PUNJAB	*	*	3	*	9	12
RAJASTHAN	*	4	40	*	94	138
SIKKIM	*	*	*	*	12	12
TELANGANA	*	7	46	*	44	97
TRIPURA	*	*	1	*	40	41
UTTAR PRADESH	*	196	177	19	24	416
UTTARAKHAND	*	*	3	1	35	39
WEST BENGAL	1	*	15	*	1	17
DELHI	*	*	*	*	13	13
JAMMU AND KASHMIR	*	*	1	*	8	9
<b>Grand Total</b>	<b>1</b>	<b>235</b>	<b>906</b>	<b>232</b>	<b>1384</b>	<b>2758</b>

The symbol \* indicates NIL / NOT REPORTED

# indicates that the death count in the Karnataka state includes Monsoon and Post Monsoon data also.

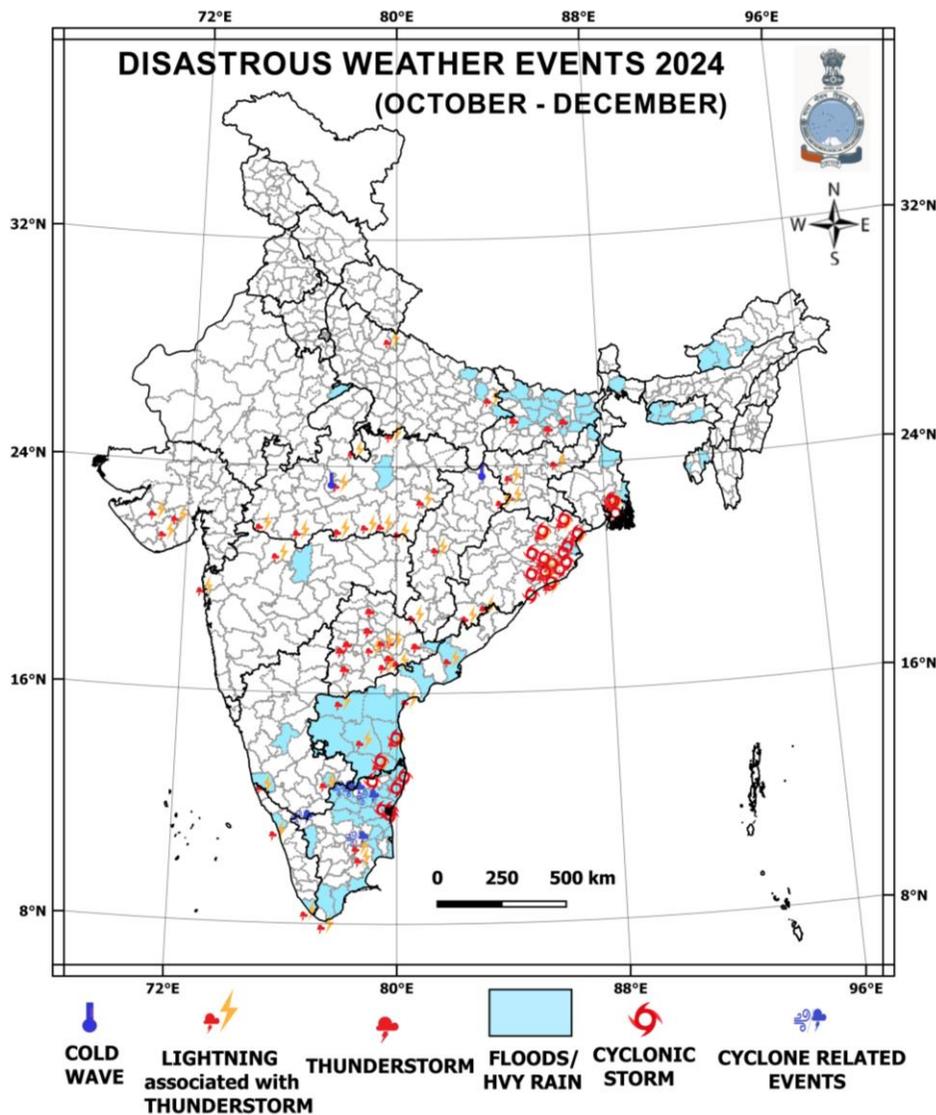


Figure 15: Disastrous Weather Events for Post Monsoon Season (October-December) 2024

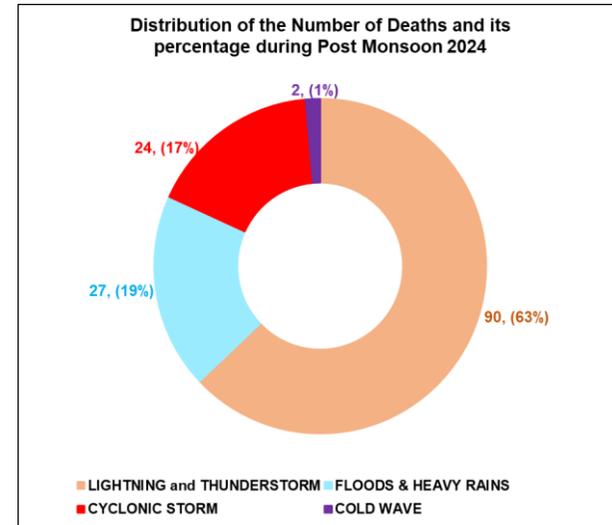


Figure 16: Distribution of the Number of Deaths and its percentage during Post Monsoon Season (October-December) 2024

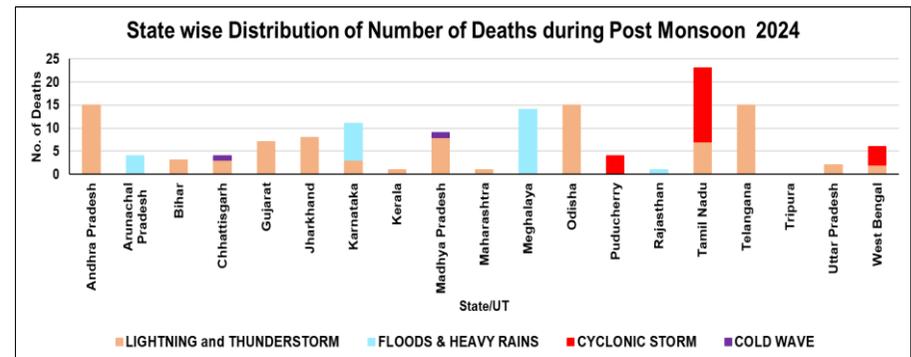


Figure 17: State wise Distribution of Number of Deaths during Monsoon Season (October - December) 2024

**Table 6: State Wise Deaths Due to Disastrous Weather Events during Post Monsoon Season (October - December) 2024**

STATE / UT	COLD WAVE	LIGHTNING ASSOCIATED WITH THUNDERSTORM	THUNDERSTORM	FLOODS AND HEAVY RAINS	CYCLONIC STORM	GRAND TOTAL
ANDHRA PRADESH	*	15	*	*	*	15
ARUNACHAL PRADESH	*	*	*	4	*	4
BIHAR	*	*	3	*	*	3
CHHATTISGARH	1	3	*	*	*	4
GUJARAT	*	7	*	*	*	7
JHARKHAND	*	8	*	*	*	8
KARNATAKA	*	3	*	8	*	11
KERALA	*	1	*	*	*	1
MADHYA PRADESH	1	8	*	*	*	9
MAHARASHTRA	*	1	*	*	*	1
MEGHALAYA	*	*	*	14	*	14
ODISHA	*	15	*	*	*	15
RAJASTHAN	*	*	*	1	*	1
TAMIL NADU	*	7	*	*	16	23
TELANGANA	*	9	6	*	*	15
UTTAR PRADESH	*	2	*	*	*	2
WEST BENGAL	*	2	*	*	4	6
PUDUCHERRY	*	*	*	*	4	4
<b>Grand Total</b>	<b>2</b>	<b>81</b>	<b>9</b>	<b>27</b>	<b>24</b>	<b>143</b>

The symbol \* indicates NIL / NOT REPORTED

**Table 7: Month wise Deaths due to Disastrous Weather Events 2024**

MONTH	SNOWFALL	COLD WAVE	HEAT WAVE	SQUALL	GALE	LIGHTNING ASSOCIATED WITH THUNDERSTORM	THUNDER STORM	HAILSTORM	FLOODS AND HEAVY RAINS	CYCLONIC STORM	GRAND TOTAL
JANUARY	*	7	*	*	*	4	*	*	*	*	11
FEBRUARY	1	*	*	*	*	19	4	*	4	*	28
MARCH	*	*	1	*	3	39	14	1	14	*	72
APRIL	*	*	39	*	*	77	13	1	11	*	141
MAY	*	*	185	*	4	170	74	*	47	52	532
JUNE	*	*	235	*	*	360	47	*	89	*	731
JULY	*	*	*	*	*	283	99	*	637	*	1019
AUGUST	*	*	*	*	*	125	57	*	272	*	454
SEPTEMBER	*	*	*	*	1	113	29	*	256	*	399
OCTOBER	*	*	*	*	*	63	9	*	26	4	102
NOVEMBER	*	*	*	*	*	14	*	*	*	*	14
DECEMBER	*	2	*	*	*	4	*	*	1	*	7
AUGUST - SEPTEMBER	*	*	*	*	*	*	*	*	40	*	40
JUNE TO DECEMBER	*	*	*	*	*	25	*	*	90	*	115
MARCH - APRIL	*	*	*	*	*	*	1	*	*	*	1
NOVEMBER -DECEMBER	*	*	*	*	*	*	*	*	*	20	20
<b>GRAND TOTAL</b>	<b>1</b>	<b>9</b>	<b>460</b>	<b>*</b>	<b>8</b>	<b>1296</b>	<b>347</b>	<b>2</b>	<b>1487</b>	<b>76</b>	<b>3686</b>

The symbol \* indicates NIL / NOT REPORTED

**Table 8: Month Wise and State Wise Deaths Due to Disastrous Weather Events During 2024**

MONTH	STATE / UT	SNOW FALL	COLD WAVE	HEAT WAVE	GALE	LIGHTNING ASSOCIATED WITH THUNDERSTORM	THUNDER STORM	HAIL STORM	FLOODS AND HEAVY RAINS	CYCLONIC STORM	GRAND TOTAL
JANUARY	BIHAR	*	6	*	*	*	*	*	*	*	6
	MADHYA PRADESH	*	*	*	*	2	*	*	*	*	2
	ODISHA	*	*	*	*	2	*	*	*	*	2
	PUNJAB	*	1	*	*	*	*	*	*	*	1
	<b>TOTAL</b>	<b>*</b>	<b>7</b>	<b>*</b>	<b>*</b>	<b>4</b>	<b>*</b>	<b>*</b>	<b>*</b>	<b>*</b>	<b>11</b>
FEBRUARY	BIHAR	*	*	*	*	*	1	*	*	*	1
	CHHATTISGARH	*	*	*	*	1	*	*	*	*	1
	HIMACHAL PRADESH	*	*	*	*	*	*	*	2	*	2
	JAMMU AND KASHMIR	1	*	*	*	*	*	*	1	*	2
	JHARKHAND	*	*	*	*	2	*	*	1	*	3
	MADHYA PRADESH	*	*	*	*	3	*	*	*	*	3
	ODISHA	*	*	*	*	8	*	*	*	*	8
UTTAR PRADESH	*	*	*	*	5	3	*	*	*	8	
	<b>TOTAL</b>	<b>1</b>	<b>*</b>	<b>*</b>	<b>*</b>	<b>19</b>	<b>4</b>	<b>*</b>	<b>4</b>	<b>*</b>	<b>28</b>
MARCH	ANDHRA PRADESH	*	*	*	*	2	*	*	*	*	2
	ASSAM	*	*	*	*	3	1	*	1	*	5
	BIHAR	*	*	*	*	*	4	*	*	*	4
	CHHATTISGARH	*	*	*	*	1	*	*	*	*	1
	HIMACHAL PRADESH	*	*	*	*	*	2	*	5	*	7
	JAMMU AND KASHMIR	*	*	*	*	*	*	*	4	*	4
	JHARKHAND	*	*	*	1	1	*	*	*	*	2
	MADHYA PRADESH	*	*	*	*	3	2	*	*	*	5
	MAHARASHTRA	*	*	*	*	*	*	1	*	*	1
	MANIPUR	*	*	*	*	1	*	*	*	*	1
	ODISHA	*	*	1	*	6	*	*	*	*	7
	RAJASTHAN	*	*	*	*	7	*	*	*	*	7
	TELANGANA	*	*	*	2	*	*	*	*	*	2
	TRIPURA	*	*	*	*	2	*	*	4	*	6
UTTAR PRADESH	*	*	*	*	10	*	*	*	*	10	
WEST BENGAL	*	*	*	*	3	5	*	*	*	8	
	<b>TOTAL</b>	<b>*</b>	<b>*</b>	<b>1</b>	<b>3</b>	<b>39</b>	<b>14</b>	<b>1</b>	<b>14</b>	<b>*</b>	<b>72</b>

MONTH	STATE / UT	SNOW FALL	COLD WAVE	HEAT WAVE	GALE	LIGHTNING ASSOCIATED WITH THUNDERSTORM	THUNDER STORM	HAIL STORM	FLOODS AND HEAVY RAINS	CYCLONIC STORM	GRAND TOTAL
APRIL	ANDHRA PRADESH	*	*	*	*	3	*	*	*	*	3
	ARUNACHAL PRADESH	*	*	*	*	*	1	*	1	*	2
	ASSAM	*	*	*	*	3	6	*	*	*	9
	BIHAR	*	*	2	*	*	2	*	*	*	4
	CHHATTISGARH	*	*	*	*	1	*	*	*	*	1
	HARYANA	*	*	*	*	1	*	*	*	*	1
	HIMACHAL PRADESH	*	*	*	*	*	*	*	2	*	2
	JAMMU AND KASHMIR	*	*	*	*	*	*	*	5	*	5
	JHARKHAND	*	*	4	*	*	*	*	*	*	4
	KARNATAKA	*	*	*	*	4	*	*	*	*	4
	KERALA	*	*	2	*	1	*	*	*	*	3
	MADHYA PRADESH	*	*	*	*	20	*	*	*	*	20
	MAHARASHTRA	*	*	1	*	8	1	1	*	*	11
	MEGHALAYA	*	*	*	*	1	*	*	2	*	3
	NAGALAND	*	*	*	*	*	*	*	1	*	1
	ODISHA	*	*	7	*	22	*	*	*	*	29
	RAJASTHAN	*	*	*	*	3	*	*	*	*	3
	TELANGANA	*	*	22	*	3	3	*	*	*	28
	TRIPURA	*	*	*	*	3	*	*	*	*	3
WEST BENGAL	*	*	1	*	4	*	*	*	*	5	
	<b>TOTAL</b>	*	*	<b>39</b>	*	<b>77</b>	<b>13</b>	<b>1</b>	<b>11</b>	*	<b>141</b>

MONTH	STATE / UT	SNOW FALL	COLD WAVE	HEAT WAVE	GALE	LIGHTNING ASSOCIATED WITH THUNDERSTORM	THUNDER STORM	HAIL STORM	FLOODS AND HEAVY RAINS	CYCLONIC STORM	GRAND TOTAL
MAY	ANDHRA PRADESH	*	*	*	*	10	*	*	*	*	10
	ASSAM	*	*	*	*	*	*	*	11	2	13
	BIHAR	*	*	48	*	7	32	*	*	*	87
	CHHATTISGARH	*	*	7	*	1	*	*	*	*	8
	DELHI	*	*	1	*	*	2	*	*	*	3
	GOA	*	*	*	*	1	*	*	*	*	1
	GUJARAT	*	*	*	*	3	*	*	*	*	3
	HIMACHAL PRADESH	*	*	*	*	*	*	*	1	*	1
	JHARKHAND	*	*	18	*	24	*	*	*	*	42
	KARNATAKA	*	*	*	*	1	*	*	2	*	3
	KERALA	*	*	*	*	2	*	*	16	*	18
	MADHYA PRADESH	*	*	5	*	23	*	*	*	*	28
	MAHARASHTRA	*	*	27	1	12	17	*	1	*	58
	MANIPUR	*	*	*	*	1	*	*	*	3	4
	MEGHALAYA	*	*	*	1	*	*	*	*	6	7
	MIZORAM	*	*	*	*	*	*	*	*	30	30
	NAGALAND	*	*	*	*	*	*	*	2	4	6
	ODISHA	*	*	6	*	26	*	*	*	*	32
	RAJASTHAN	*	*	12	*	4	*	*	*	*	16
	TAMIL NADU	*	*	*	*	3	*	*	2	*	5
TELANGANA	*	*	17	2	20	13	*	12	*	64	
TRIPURA	*	*	*	*	2	*	*	*	*	2	
UTTAR PRADESH	*	*	44	*	5	4	*	*	*	53	
WEST BENGAL	*	*	*	*	25	6	*	*	7	38	
	<b>TOTAL</b>	*	*	<b>185</b>	<b>4</b>	<b>170</b>	<b>74</b>	<b>*</b>	<b>47</b>	<b>52</b>	<b>532</b>

MONTH	STATE / UT	SNOW FALL	COLD WAVE	HEAT WAVE	GALE	LIGHTNING ASSOCIATED WITH THUNDERSTORM	THUNDER STORM	HAIL STORM	FLOODS AND HEAVY RAINS	CYCLONIC STORM	GRAND TOTAL
JUNE	ANDHRA PRADESH	*	*	*	*	12	*	*	*	*	12
	ASSAM	*	*	*	*	*	*	*	30	*	30
	BIHAR	*	*	13	*	9	25	*	*	*	47
	CHHATTISGARH	*	*	*	*	11	*	*	2	*	13
	DELHI	*	*	*	*	*	*	*	10	*	10
	HIMACHAL PRADESH	*	*	*	*	1	*	*	*	*	1
	JHARKHAND	*	*	13	*	13	*	*	*	*	26
	KARNATAKA	*	*	*	*	2	*	*	*	*	2
	KERALA	*	*	*	*	4	*	*	6	*	10
	MADHYA PRADESH	*	*	*	*	108	*	*	5	*	113
	MAHARASHTRA	*	*	*	*	21	2	*	7	*	30
	MEGHALAYA	*	*	*	*	2	*	*	4	*	6
	NAGALAND	*	*	*	*	*	*	*	6	*	6
	ODISHA	*	*	2	*	50	*	*	*	*	52
	PUNJAB	*	*	*	*	1	*	*	*	*	1
	RAJASTHAN	*	*	4	*	9	*	*	5	*	18
	SIKKIM	*	*	*	*	*	*	*	11	*	11
	TELANGANA	*	*	7	*	25	*	*	2	*	34
	TRIPURA	*	*	*	*	1	*	*	*	*	1
	UTTAR PRADESH	*	*	196	*	77	19	*	1	*	293
UTTARAKHAND	*	*	*	*	3	1	*	*	*	4	
WEST BENGAL	*	*	*	*	11	*	*	*	*	11	
	<b>TOTAL</b>	*	*	<b>235</b>	*	<b>360</b>	<b>47</b>	*	<b>89</b>	*	<b>731</b>

MONTH	STATE / UT	SNOW FALL	COLD WAVE	HEAT WAVE	GALE	LIGHTNING ASSOCIATED WITH THUNDERSTORM	THUNDER STORM	HAIL STORM	FLOODS AND HEAVY RAINS	CYCLONIC STORM	GRAND TOTAL
JULY	ANDHRA PRADESH	*	*	*	*	*	*	*	5	*	5
	ARUNACHAL PRADESH	*	*	*	*	*	*	*	3	*	3
	ASSAM	*	*	*	*	*	*	*	72	*	72
	BIHAR	*	*	*	*	52	98	*	*	*	150
	CHHATTISGARH	*	*	*	*	8	*	*	3	*	11
	DELHI	*	*	*	*	*	*	*	3	*	3
	GOA	*	*	*	*	*	*	*	5	*	5
	HARYANA	*	*	*	*	1	*	*	3	*	4
	HIMACHAL PRADESH	*	*	*	*	*	*	*	2	*	2
	JAMMU AND KASHMIR	*	*	*	*	*	*	*	1	*	1
	JHARKHAND	*	*	*	*	13	*	*	*	*	13
	KARNATAKA	*	*	*	*	*	*	*	8	*	8
	KERALA	*	*	*	*	*	*	*	403	*	403
	MADHYA PRADESH	*	*	*	*	67	*	*	41	*	108
	MAHARASHTRA	*	*	*	*	4	1	*	33	*	38
	MANIPUR	*	*	*	*	*	*	*	2	*	2
	MIZORAM	*	*	*	*	*	*	*	3	*	3
	NAGALAND	*	*	*	*	*	*	*	4	*	4
	ODISHA	*	*	*	*	20	*	*	*	*	20
	PUNJAB	*	*	*	*	2	*	*	*	*	2
	RAJASTHAN	*	*	*	*	16	*	*	9	*	25
SIKKIM	*	*	*	*	*	*	*	1	*	1	
TELANGANA	*	*	*	*	*	*	*	2	*	2	
TRIPURA	*	*	*	*	*	*	*	2	*	2	
UTTAR PRADESH	*	*	*	*	98	*	*	14	*	112	
UTTARAKHAND	*	*	*	*	*	*	*	18	*	18	
WEST BENGAL	*	*	*	*	2	*	*	*	*	2	
	<b>TOTAL</b>	*	*	*	*	<b>283</b>	<b>99</b>	*	<b>637</b>	*	<b>1019</b>

MONTH	STATE / UT	SNOW FALL	COLD WAVE	HEAT WAVE	GALE	LIGHTNING ASSOCIATED WITH THUNDERSTORM	THUNDER STORM	HAIL STORM	FLOODS AND HEAVY RAINS	CYCLONIC STORM	GRAND TOTAL
<b>AUGUST</b>	ANDHRA PRADESH	*	*	*	*	3	*	*	5	*	8
	ARUNACHAL PRADESH	*	*	*	*	*	*	*	1	*	1
	ASSAM	*	*	*	*	*	*	*	8	*	8
	BIHAR	*	*	*	*	*	57	*	*	*	57
	CHHATTISGARH	*	*	*	*	4	*	*	*	*	4
	GUJARAT	*	*	*	*	*	*	*	28	*	28
	HARYANA	*	*	*	*	*	*	*	2	*	2
	HIMACHAL PRADESH	*	*	*	*	*	*	*	32	*	32
	JAMMU AND KASHMIR	*	*	*	*	1	*	*	4	*	5
	JHARKHAND	*	*	*	*	27	*	*	*	*	27
	KERALA	*	*	*	*	*	*	*	1	*	1
	MADHYA PRADESH	*	*	*	*	14	*	*	54	*	68
	MAHARASHTRA	*	*	*	*	6	*	*	1	*	7
	MEGHALAYA	*	*	*	*	*	*	*	2	*	2
	NAGALAND	*	*	*	*	*	*	*	4	*	4
	ODISHA	*	*	*	*	49	*	*	*	*	49
	PUNJAB	*	*	*	*	*	*	*	9	*	9
	RAJASTHAN	*	*	*	*	8	*	*	73	*	81
	TELANGANA	*	*	*	*	11	*	*	*	*	11
	TRIPURA	*	*	*	*	*	*	*	38	*	38
UTTARAKHAND	*	*	*	*	*	*	*	10	*	10	
WEST BENGAL	*	*	*	*	2	*	*	*	*	2	
	<b>TOTAL</b>	*	*	*	*	<b>125</b>	<b>57</b>	*	<b>272</b>	*	<b>454</b>

MONTH	STATE / UT	SNOW FALL	COLD WAVE	HEAT WAVE	GALE	LIGHTNING ASSOCIATED WITH THUNDERSTORM	THUNDER STORM	HAIL STORM	FLOODS AND HEAVY RAINS	CYCLONIC STORM	GRAND TOTAL
SEPTEMBER	ANDHRA PRADESH	*	*	*	*	3	*	*	75	*	78
	BIHAR	*	*	*	*	3	29	*	47	*	79
	CHHATTISGARH	*	*	*	*	18	*	*	*	*	18
	HARYANA	*	*	*	*	*	*	*	5	*	5
	HIMACHAL PRADESH	*	*	*	*	*	*	*	1	*	1
	JAMMU AND KASHMIR	*	*	*	*	*	*	*	3	*	3
	KARNATAKA	*	*	*	*	4	*	*	*	*	4
	MADHYA PRADESH	*	*	*	*	43	*	*	66	*	109
	MAHARASHTRA	*	*	*	*	11	*	*	22	*	33
	MEGHALAYA	*	*	*	*	*	*	*	3	*	3
	NAGALAND	*	*	*	*	2	*	*	10	*	12
	ODISHA	*	*	*	*	10	*	*	*	*	10
	RAJASTHAN	*	*	*	*	7	*	*	7	*	14
	TELANGANA	*	*	*	*	10	*	*	*	*	10
	UTTAR PRADESH	*	*	*	*	2	*	*	9	*	11
UTTARAKHAND	*	*	*	*	*	*	*	7	*	7	
WEST BENGAL	*	*	*	1	*	*	*	1	*	2	
	<b>TOTAL</b>	*	*	*	<b>1</b>	<b>113</b>	<b>29</b>	*	<b>256</b>	*	<b>399</b>
OCTOBER	ANDHRA PRADESH	*	*	*	*	13	*	*	*	*	13
	ARUNACHAL PRADESH	*	*	*	*	*	*	*	4	*	4
	BIHAR	*	*	*	*	*	3	*	*	*	3
	CHHATTISGARH	*	*	*	*	3	*	*	*	*	3
	GUJARAT	*	*	*	*	7	*	*	*	*	7
	JHARKHAND	*	*	*	*	8	*	*	*	*	8
	KARNATAKA	*	*	*	*	2	*	*	8	*	10
	MADHYA PRADESH	*	*	*	*	7	*	*	*	*	7
	MAHARASHTRA	*	*	*	*	1	*	*	*	*	1
	MEGHALAYA	*	*	*	*	*	*	*	14	*	14
	ODISHA	*	*	*	*	10	*	*	*	*	10
	TAMIL NADU	*	*	*	*	1	*	*	*	*	1
	TELANGANA	*	*	*	*	9	6	*	*	*	15
	WEST BENGAL	*	*	*	*	2	*	*	*	4	6
	<b>TOTAL</b>	*	*	*	*	<b>63</b>	<b>9</b>	*	<b>26</b>	<b>4</b>	<b>102</b>

MONTH	STATE / UT	SNOW FALL	COLD WAVE	HEAT WAVE	GALE	LIGHTNING ASSOCIATED WITH THUNDERSTORM	THUNDER STORM	HAIL STORM	FLOODS AND HEAVY RAINS	CYCLONIC STORM	GRAND TOTAL
<b>NOVEMBER</b>	ANDHRA PRADESH	*	*	*	*	1	*	*	*	*	1
	KARNATAKA	*	*	*	*	1	*	*	*	*	1
	KERALA	*	*	*	*	1	*	*	*	*	1
	ODISHA	*	*	*	*	4	*	*	*	*	4
	TAMIL NADU	*	*	*	*	6	*	*	*	*	6
	UTTAR PRADESH	*	*	*	*	1	*	*	*	*	1
	<b>TOTAL</b>	*	*	*	*	<b>14</b>	*	*	*	*	<b>14</b>
<b>DECEMBER</b>	ANDHRA PRADESH	*	*	*	*	1	*	*	*	*	1
	CHHATTISGARH	*	1	*	*	*	*	*	*	*	1
	MADHYA PRADESH	*	1	*	*	1	*	*	*	*	2
	ODISHA	*	*	*	*	1	*	*	*	*	1
	RAJASTHAN	*	*	*	*	*	*	*	1	*	1
	UTTAR PRADESH	*	*	*	*	1	*	*	*	*	1
	<b>TOTAL</b>	*	<b>2</b>	*	*	<b>4</b>	*	*	<b>1</b>	*	<b>7</b>
<b>AUGUST, SEPTEMBER</b>	TELANGANA	*	*	*	*	*	*	*	40	*	40
	<b>TOTAL</b>	*	*	*	*	*	*	*	<b>40</b>	*	<b>40</b>
<b>JUNE TO DECEMBER</b>	KARNATAKA	*	*	*	*	25	*	*	90	*	115
	<b>TOTAL</b>	*	*	*	*	<b>25</b>	*	*	<b>90</b>	*	<b>115</b>
<b>MARCH, APRIL</b>	MIZORAM	*	*	*	*	*	1	*	*	*	1
	<b>TOTAL</b>	*	*	*	*	*	<b>1</b>	*	*	*	<b>1</b>
<b>NOVEMBER, DECEMBER</b>	PUDUCHERRY	*	*	*	*	*	*	*	*	4	4
	TAMIL NADU	*	*	*	*	*	*	*	*	16	16
	<b>TOTAL</b>	*	*	*	*	*	*	*	*	<b>20</b>	<b>20</b>
<b>GRAND TOTAL</b>		<b>1</b>	<b>9</b>	<b>460</b>	<b>8</b>	<b>1296</b>	<b>347</b>	<b>2</b>	<b>1487</b>	<b>76</b>	<b>3686</b>

The symbol \* indicates NIL / NOT REPORTED

**सारिणी 9: हिमपात 2024**  
**TABLE 9: SNOWFALL 2024**

Sr.No.	Date / Period	Area affected	Intensity	Casualties	Extent of damage
1.	22 Feb.	Baramulla (Jammu and Kashmir)	Heavy	One Russian skier died and other missing as an avalanche struck Khilanmarg on Apharwat Peak, the ski slopes in Gulmarg.	

**सारिणी 10 : शीत लहर 2024**  
**TABLE 10: COLD WAVE 2024**

Sr.No.	Date / Period	Area affected	Intensity	Casualties	Extent of damage
1.	7 Jan.	Amritsar (Punjab)	Severe (Both A and C as appropriate)	One student died.	
2.	10 Jan.	East Champaran (Bihar)	Severe (Both A and C as appropriate)	One 10-year-old school student died.	
3.	24 Jan.	Arwal, Buxar, Lakhisarai, Muzaffarpur, Saran (Bihar)	Severe (Both A and C as appropriate)	Total 5 persons including 2 schoolchildren died. Viz. Arwal - 1 advocate, Buxar - 1 farmer, Lakhisarai - 1, Muzaffarpur - 1, Saran - 1.	
4.	11 Dec.	Raisen (Madhya Pradesh)	Severe (Both A and C as appropriate)	One infant died.	
5.	13 Dec.	Balrampur (Chhattisgarh)	Severe (Both A and C as appropriate)	One person died.	

## सारिणी 11 : उष्ण लहर 2024

### TABLE 11: HEAT WAVE 2024

Sr.No.	Date / Period	Area affected	Intensity	Casualties	Extent of damage
1.	23 Mar.	Cuttack (Odisha)	Severe (Both B and C as appropriate)	One person died.	
2.	2 Apr.	Kumuram Bheem/Asifabad, Khammam (Telangana)	Severe (Both A and C as appropriate)	Total 2 persons died, one in each district.	
3.	5 Apr.	Mahabubabad, Nizamabad (Telangana)	Severe (Both A and C as appropriate)	Total 2 persons died, one in each district.	
4.	7 Apr.	Khammam, Nirmal (Telangana)	Severe (Both A and C as appropriate)	Total 2 persons died, one in each district.	
5.	9 Apr.	Khammam (Telangana)	Severe (Both A and C as appropriate)	One person died.	
6.	10 Apr.	Warangal Rural (Telangana)	Severe (Both A and C as appropriate)	One farmer died.	
7.	11 Apr.	Khammam (Telangana)	Severe (Both A and C as appropriate)	One farmer died.	
8.	14 Apr.	Cuttack (Odisha)	Severe (Both B and C as appropriate)	One person died.	
9.	15 Apr.	Balasore (Odisha)	Severe (Both B and C as appropriate)	One 62-year-old person died.	
10.	15 Apr.	Khammam, Mahabubabad, Ranga Reddy (Telangana)	Severe (Both A and C as appropriate)	Total 3 persons died, one in each district.	
11.	16 Apr.	South 24 Parganas (West Bengal)	Severe (Both B and C as appropriate)	One elderly woman died in Sonarpur.	

<b>Sr.No.</b>	<b>Date / Period</b>	<b>Area affected</b>	<b>Intensity</b>	<b>Casualties</b>	<b>Extent of damage</b>
12.	17 Apr.	East Singhbhum (Jharkhand)	Severe (Both A and C as appropriate)	One person died.	
13.	17 Apr.	Palghar (Maharashtra)	Severe (Both A and C as appropriate)	One person died.	
14.	19 Apr.	East Singhbhum (Jharkhand)	Severe (Both A and C as appropriate)	One person died.	
15.	19 Apr.	Mancherial (Telangana)	Severe (Both A and C as appropriate)	One person died.	
16.	21 Apr.	Karimnagar (Telangana)	Severe (Both A and C as appropriate)	One person died.	
17.	22 Apr.	Mayurbhanj (Odisha)	Severe (Both A and C as appropriate)	One person died.	
18.	23 Apr.	Vaishali (Bihar)	Severe (Both A and C as appropriate)	One young man died in Hajipur, the district head quarter.	
19.	23 Apr.	Dhenkanal (Odisha)	Severe (Both A and C as appropriate)	One person died.	
20.	24 Apr.	Banka (Bihar)	Severe (Both A and C as appropriate)	One person died in Barhauna.	
21.	26 Apr.	Sambalpur (Odisha)	Severe (Both A and C as appropriate)	One person died.	
22.	26 Apr.	Mahabubabad (Telangana)	Severe (Both A and C as appropriate)	One person died.	
23.	27 Apr.	Koraput (Odisha)	Severe (Both A and C as appropriate)	One person died.	
24.	27 Apr.	Khammam, Suryapet (Telangana)	Severe (Both A and C as appropriate)	Total 2 persons died, one in each district.	
25.	28 Apr.	Mancherial, Nalgonda (Telangana)	Severe (Both A and C as appropriate)	Total 2 persons died, one in each district.	

Sr.No.	Date / Period	Area affected	Intensity	Casualties	Extent of damage
26.	28 Apr.	Kannur, Palakkad (Kerala)	Severe (A, B or C as appropriate)	Total 2 persons died, one in each district.	
27.	29 Apr.	Dhenkanal (Odisha)	Severe (Both A and C as appropriate)	One person died.	
28.	29 Apr.	Jayashankar Bhupalpally (Telangana)	Severe (Both A and C as appropriate)	One person died.	
29.	30 Apr.	Khammam, Nalgonda (Telangana)	Severe (Both A and C as appropriate)	Total 2 persons died, one in each district.	
30.	30 Apr.	Dumka, East Singhbhum (Jharkhand)	Severe (Both A and C as appropriate)	Total 2 persons died, one in each district.	
31.	1 May	Mancherial (Telangana)	Severe (Both A and C as appropriate)	2 persons died.	
32.	2 May	Kumuram Bheem/Asifabad, Bhadrari Kothagudem, Khammam, Medak, Warangal Urban / Hanumakonda (Telangana)	Severe (Both A and C as appropriate)	Total 6 persons died, one in each district. Viz. Kumuram Bheem/Asifabad-1, Bhadrari Kothagudem - 2, Khammam - 1, Medak - 1, Warangal Urban/Hanumakonda-1	
33.	4 May	Suryapet (Telangana)	Severe (Both A and C as appropriate)	One person died.	
34.	5 May	Jayashankar Bhupalpally, Khammam (Telangana)	Severe (Both A and C as appropriate)	Total 3 persons died. Viz. Jayashankar Bhupalpally-1, Khammam - 2.	
35.	5 May	Jalgaon (Maharashtra)	Severe (Both A and C as appropriate)	One 65-year old farmer died.	

<b>Sr.No.</b>	<b>Date / Period</b>	<b>Area affected</b>	<b>Intensity</b>	<b>Casualties</b>	<b>Extent of damage</b>
36.	8 May	Mulugu (Telangana)	Severe (Both A and C as appropriate)	One person died.	
37.	12 May	Mahabubabad (Telangana)	Severe (Both A and C as appropriate)	One person died.	
38.	24 May	Chandrapur (Maharashtra)	Severe (Both A and C as appropriate)	2 persons died.	
39.	24 to 31 May	Ajmer, Jaipur, Jodhpur, Kota (Rajasthan)	Severe (Both A and C as appropriate)	Total 12 persons died. Viz. Ajmer - 1, Jaipur - 5, Jodhpur - 2, Kota - 4.	
40.	26 May	Akola, Wardha (Maharashtra)	Severe (Both A and C as appropriate)	Total 2 persons died, one in each district.	
41.	27 May	Nagpur, Wardha (Maharashtra)	Severe (Both A and C as appropriate)	Total 6 persons died. Viz. Nagpur - 4, Wardha -2.	
42.	27 May	Kumuram Bheem/Asifabad (Telangana)	Severe (Both A and C as appropriate)	2 persons died.	
43.	27 May	Lucknow (Uttar Pradesh)	Severe (Both A and C as appropriate)	3 persons died.	
44.	28 May	Durg (Chhattisgarh)	Severe (Both A and C as appropriate)	One person died.	
45.	28 May	Palamu (Jharkhand)	Severe (Both A and C as appropriate)	One person died.	
46.	28 May	Bhopal, Gwalior (Madhya Pradesh)	Severe (Both A and C as appropriate)	Total 3 persons died. Viz. Bhopal - 2, Gwalior - 1.	
47.	28 May	Etawah, Hamirpur, Mahoba, Prayagraj / Allahabad (Uttar Pradesh)	Severe (Both A and C as appropriate)	Total 14 persons died. Viz. Etawah - 2, Hamirpur - 2, Mahoba - 5, Prayagraj/Allahabad -5.	

<b>Sr.No.</b>	<b>Date / Period</b>	<b>Area affected</b>	<b>Intensity</b>	<b>Casualties</b>	<b>Extent of damage</b>
48.	29 May	Begusarai (Bihar)	Severe (Both A and C as appropriate)	One person died.	
49.	29 May	Garhwa, Hazaribagh, Ranchi (Jharkhand)	Severe (Both A and C as appropriate)	2 persons died in Garhwa districts. While, More than 100 bats perished in Garhwa, Hazaribag, Ranchi districts.	
50.	29 May	Nagpur, Wardha (Maharashtra)	Severe (Both A and C as appropriate)	Total 5 persons died. Viz. Nagpur - 3, Wardha -2.	
51.	29 May	Sundargarh (Odisha)		One person died.	
52.	29 May	New Delhi (Delhi)	Severe (Both A and C as appropriate)	One 40-year-old labourer died.	
53.	30 May	Arwal, Aurangabad, Bhojpur, Buxar, Jehanabad, Munger, Nalanda, Rohtas (Bihar)	Severe (Both A and C as appropriate)	Total 30 persons died. Viz. Arwal -1, Aurangabad -12, Bhojpur -6, Buxar - 1, Jehanabad -4, Munger -1, Nalanda - 1, Rohtas -4.	
54.	30 May	Bilaspur (Chhattisgarh)	Severe (Both A and C as appropriate)	2 persons died.	
55.	30 May	Bokaro, East Singhbhum, Giridih, Palamu (Jharkhand)	Severe (Both A and C as appropriate)	Total 15 persons died. Viz. Bokaro -1,East Singhbhum-9, Giridih - 1, Palamu - 4.	
56.	30 May	Gwalior (Madhya Pradesh)	Severe (Both A and C as appropriate)	2 children died	
57.	30 May	Amravati, Bhandara, Chandrapur, Yavatmal (Maharashtra)	Severe (Both A and C as appropriate)	Total 5 persons died. Viz. Amravati - 1, Bhandara - 1, Chandrapur - 2, Yavatmal -1.	

<b>Sr.No.</b>	<b>Date / Period</b>	<b>Area affected</b>	<b>Intensity</b>	<b>Casualties</b>	<b>Extent of damage</b>
58.	30 May	Kaushambi, Mirzapur, Lucknow, Sonbhadra, Sultanpur (Uttar Pradesh)	Severe (Both A and C as appropriate)	Total 27 persons died. Viz. Kaushambi - 2, Mirzapur -13 including 6 Home Guards, Lucknow - 9, Sonbhadra - 2, Sultanpur - 1.	
59.	30 May	Jogulamba Gadwal (Telangana)	Severe (Both A and C as appropriate)	One person died.	
60.	30 May	Sundargarh (Odisha)	Severe (Both A and C as appropriate)	2 persons died.	
61.	31 May	Aurangabad, Bhojpur, Kaimur, Rohtas (Bihar)	Severe (Both A and C as appropriate)	Total 17 persons died. Viz. Aurangabad -4, Bhojpur - 5, Kaimur -4, Rohtas -4.	
62.	31 May	Janjgir Champa (Chhattisgarh)	Severe (Both A and C as appropriate)	4 persons died.	
63.	31 May	Chandrapur, Gondia, Wardha (Maharashtra)	Severe (Both A and C as appropriate)	Total 6 persons died. Viz. Chandrapur - 1, Gondia - 2, Wardha - 3.	
64.	31 May	Balangir, Bargarh, Sundargarh (Odisha)	Severe (Both A, B and C as appropriate)	Total 3 persons died, one in each district.	
65.	1 to 11 Jun.	Jaipur, Jodhpur, (Rajasthan)	Severe (Both A and C as appropriate)	Total 4 persons died. Viz. Jaipur - 3, Jodhpur - 1,	
66.	1 Jun.	Bhadrari Kothagudem, Jayashankar Bhupalpally, Nalgonda (Telangana)	Severe (Both A and C as appropriate)	Total 7 persons died. Viz. Bhadrari Kothagudem-5, Jayashankar Bhupalpally - 1, Nalgonda - 1.	

Sr.No.	Date / Period	Area affected	Intensity	Casualties	Extent of damage
67.	1 Jun.	Allahabad/Prayagraj, Banda, Chitrakoot / Sahuji Maharaj Nagar, Ghazipur, Hamirpur, Kaushambi, Lucknow, Mahoba, Mirzapur, Pratapgarh (Uttar Pradesh)	Severe (Both A and C as appropriate)	Total 55 persons died. Viz. Allahabad/Prayagraj - 8, Banda - 8, Chitrakoot / Sahuji Maharaj Nagar-5, Ghazipur - 1, Hamirpur - 4, Kaushambi - 2, Lucknow - 10, Mahoba - 4, Mirzapur - 3, Pratapgarh - 10.	
68.	1 Jun.	Gaya, Rohtas (Bihar)	Severe (Both A and C as appropriate)	Total 3 persons died. Viz. Gaya - 2, Rohtas - 1.	
69.	1 Jun	Bargarh, Sundargarh (Odisha)	Severe (Both A and C as appropriate)	Total 2 persons died, one in each district.	
70.	2 Jun.	Gaya (Bihar)	Severe (Both A and C as appropriate)	2 persons died.	
71.	2 Jun.	Allahabad/Prayagraj, Auraiya, Banda, Basti, Chitrakoot/Sahuji Maharaj Nagar, Fatehpur, Hamirpur, Kannauj, Kanpur Nagar, Kaushambi, Lucknow, Mahoba, Pratapgarh, Rampur, Unnao (Uttar Pradesh)	Severe (Both A and C as appropriate)	Total 35 persons died. Viz. Allahabad/Prayagraj - 2, Auraiya - 3, Banda - 4, Basti - 1, Chitrakoot / Sahuji Maharaj Nagar-2, Fatehpur - 2, Hamirpur - 3, Kannauj - 1, Kanpur Nagar - 5, Kaushambi - 2, Lucknow - 3, Mahoba - 3, Pratapgarh - 2, Rampur - 1, Unnao - 1.	
72.	12 Jun.	Dumka, Hazaribagh, Palamu, Ranchi (Jharkhand)	Severe (Both A and C as appropriate)	Total 5 persons died. Viz. Dumka - 2, Hazaribagh - 1, Palamu - 1, Ranchi - 1.	
73.	13 Jun.	East Singhbhum / Purbi Singhbhum, Ramgarh (Jharkhand)	Severe (Both A and C as appropriate)	Total 3 persons died. Viz. East Singhbhum/Purbi Singhbhum - 2, Ramgarh - 1.	

Sr.No.	Date / Period	Area affected	Intensity	Casualties	Extent of damage
74.	13 Jun.	Aurangabad (Bihar)	Severe (Both A and C as appropriate)	One person died.	
75.	14 Jun.	Aurangabad (Bihar)	Severe (Both A and C as appropriate)	One person died.	
76.	14 Jun.	Bokaro, Deoghar, Giridih, Palamu (Jharkhand)	Severe (Both A and C as appropriate)	Total 4 persons died, one in each district.	
77.	14 Jun.	Allahabad/Prayagraj, Ballia, Banda, Ghazipur, Gorakhpur, Kanpur Dehat/Ramabai Nagar, Kanpur Nagar, Kushinagar, Mirzapur (Uttar Pradesh)	Severe (Both A and C as appropriate)	Total 24 persons died. Viz. Allahabad/Prayagraj - 2, Ballia - 1, Banda - 1, Ghazipur - 4, Gorakhpur - 1, Kanpur Dehat / Ramabai Nagar - 3, Kanpur Nagar - 4, Kushinagar - 2, Mirzapur - 6.	
78.	15 Jun.	Nalanda (Bihar)	Severe (Both A and C as appropriate)	One person died.	
79.	15 Jun.	Allahabad/Prayagraj, Banda, Chitrakoot / Sahuji Maharaj Nagar, Hamirpur, Kanpur Dehat / Ramabai Nagar, Kanpur Nagar, Kushinagar, Maharajganj, Mahoba, Mirzapur, Varanasi (Uttar Pradesh)	Severe (Both A and C as appropriate)	Total 28 persons died. Viz. Allahabad/Prayagraj - 1, Banda - 1, Chitrakoot/Sahuji Maharaj Nagar- 1, Hamirpur - 1, Kanpur Dehat / Ramabai Nagar - 1, Kanpur Nagar - 8, Kushinagar - 1, Maharajganj - 1, Mahoba - 2, Mirzapur - 3, Varanasi - 8.	
80.	16 Jun.	East Singhbhum/Purbi Singbhumi (Jharkhand)	Severe (Both A and C as appropriate)	One person died.	

<b>Sr.No.</b>	<b>Date / Period</b>	<b>Area affected</b>	<b>Intensity</b>	<b>Casualties</b>	<b>Extent of damage</b>
81.	16 Jun.	Allahabad/Prayagraj, Auraiya, Azamgarh, Banda, Budaun / Badaun / Bhadohi, Chandauli, Chitrakoot/Sahuji Maharaj Nagar, Farrukhabad, Ghazipur, Hamirpur, Jaunpur, Kanpur Nagar, Kaushambi, Mahoba, Mau, Sant Kabir Nagar, Sonbhadra (Uttar Pradesh)	Severe (Both A and C as appropriate)	Total 50 persons died. Viz. Allahabad/Prayagraj - 4, Auraiya - 2, Azamgarh - 1, Banda - 1, Budaun / Badaun / Bhadohi - 1, Chandauli - 1, Chitrakoot / Sahuji Maharaj Nagar-7, Farrukhabad - 1, Ghazipur - 1, Hamirpur - 8, Jaunpur - 2, Kanpur Nagar - 10, Kaushambi - 1, Mahoba - 5, Mau -1, Sant Kabir Nagar -2, Sonbhadra - 2.	
82.	17 Jun.	Aurangabad (Bihar)	Severe (Both A and C as appropriate)	2 persons died.	
83.	19 Jun.	Allahabad/Prayagraj, Pratapgarh (Uttar Pradesh)	Severe (Both A and C as appropriate)	Total 4 persons died, 2 in each district.	
84.	27 Jun.	Patna (Bihar)	Severe (Both A and C as appropriate)	One person died.	
85.	30 Jun.	Buxar (Bihar)	Severe (Both A and C as appropriate)	2 persons died.	

## सारिणी 12 : अंधड़ (स्कॉल) 2024

**TABLE 12: SQUALL 2024**

Sr.No.	Date / Period	Area affected	Intensity	Casualties	Extent of damage
1.	27 Aug.	Howrah (West Bengal)	Strong		i) Jagataballavpur area affected. ii) Damage to kutcha houses reported. iii) Trees/ electric poles uprooted.

## सारिणी 13 : झंझा 2024

**TABLE 13 : GALE 2024**

Sr.No.	Date / Period	Area affected	Intensity	Casualties	Extent of damage
1.	18 Mar.	Rajanna Sircilla (Telangana)	Strong	One person died.	i) Damage to Electric pole reported. ii) Tree uprooted. iii) Damage to roof of hotel reported.
2.	19 Mar.	Siddipet (Telangana)	Strong	One student died.	Tree uprooted.
3.	31 Mar.	Latehar (Jharkhand)	Strong	One person died.	
4.	15 Apr,	Amravati, Nagpur, Wardha (Maharashtra)	Strong		i) Tin-sheads, hordings blown away. ii) Damage to car reported. iii) Several trees/electric poles uprooted.
5.	22 Apr.	Nagpur (Maharashtra)	Strong		i) Roof-tins of houses blown away. ii) Damage to pendal reported. iii) Several trees/electric poles uprooted.
6.	24 Apr.	Gondia (Maharashtra)	Strong		Damage to 15 acers of Mango orchard reported.

Sr.No.	Date / Period	Area affected	Intensity	Casualties	Extent of damage
7.	13 May	Mumbai Suburban (Maharashtra)	Strong	One autorickshaw driver critically injured.	i) Damage to an auto-rickshaw reported. ii) A coconut tree uprooted at Meghwadi Naka in the western suburb of Jogeshwari
8.	22 May	Ri Bhoi (Meghalaya)	Strong	One person died.	Tree uprooted
9.	26 May	Latur (Maharashtra)	Strong	One 35-year old person died after a mango tree fell on him.	Trees uprooted.
10.	26 May	Hyderabad (Telangana)	Strong	2 persons died in Hafeezpet area.	i) Damage to hordings, towers reported. ii) Trees uprooted.
11.	27 May	Amravati, Chandrapur, Wardha (Maharashtra)	Strong		i) Roofs shops, hordings blown away. ii) Damage to car reported. iii) Trees/electric poles uprooted.
12.	29 May	Bhandara, Gondia (Maharashtra)	Strong		i) Roof-tins of houses blown away. ii) Damage to solar panel reported. iii) Several trees/electric poles uprooted.
13.	5 Jun.	Chumoukedima (Nagaland)	Strong	3 women injured.	Damage to car reported.
14.	13 Jun.	Surguja (Chhattisgarh)	Strong	8 persons injured.	
15.	15 Jul.	Kottayam (Kerala)	Strong	One person injured.	i) Partially damage to a house reported. ii) Tree uprooted.
16.	14 Sep.	Birbhum (West Bengal)	Strong	One person died	i) Damage to auto reported. ii) Tree uprooted.

**सारिणी 14 : आंधी 2024**  
**TABLE 14: DUST STORM 2024**

Sr.No.	Date / Period	Area affected	Intensity	Casualties	Extent of damage
NIL					

**सारिणी 15 : गर्ज के साथ तूफान के साथ मेघ विद्युत 2024**  
**TABLE 15: LIGHTNING associated with THUNDERSTORM 2024**

Sr.No.	Date / Period	Area affected	Intensity	Casualties	Extent of damage
1.	3 Jan.	Tikamgarh (Madhya Pradesh)		One person died.	
2.	5 Jan.	Balasore (Odisha)		One person died	
3.	6 Jan.	Nabarangpur (Odisha)		One person died	
4.	6 Jan.	Damoh (Madhya Pradesh)		One person died and one buffallow perished.	
5.	6 Feb.	Bargarh, Ganjam, Nabarangpur, Rayagada (Odisha)		Total 6 persons died. Viz. Bargarh - 1, Ganjam - 2, Nabarangpur - 1, Rayagada - 2.	
6.	12 Feb.	Anuppur (Madhya Pradesh)		One person died.	
7.	13 Feb.	Latehar (Jharkhand)		One person died.	
8.	13 Feb.	Budaun, Mirzapur (Uttar Pradesh)		Total 5 persons died and 4 others injured. Viz. Budaun - 1 died, Mirzapur - 4 died and 4 injured.	
9.	14 Feb.	Garhwa (Jharkhand)		6 livestock perished.	

Sr.No.	Date / Period	Area affected	Intensity	Casualties	Extent of damage
10.	16 Feb.	Bargarh (Odisha)		One person died.	
11.	21 Feb.	Fatehpur (Uttar Pradesh)		167 livestock perished.	
12.	23 Feb.	Ganjam (Odisha)		One person died.	
13.	26 Feb.	Jalna (Maharashtra)		2 persons died in different incidences.	
14.	27 Feb.	Jashpur, Surajpur (Chhattisgarh)		Total one person died, 5 other injured and 9 livestock perished.  Viz. Jashpur - 9 livestock perished, Surajpur - 1 died and 5 injured.	
15.	27 Feb.	Palamu (Jharkhand)		One person died and other injured.	
16.	27 Feb.	Shahdol (Madhya Pradesh)		2 children died at Chhatwai village.	
17.	1 Mar.	Dausa, Jaipur, Sawai Madhopur (Rajasthan)		Total 7 persons died and 3 others injured.  Viz. Dausa- 2 died in different incidences, Jaipur - 1 died, Sawai Madhopur - 4 died and 3 injured in different incidences.	

Sr.No.	Date / Period	Area affected	Intensity	Casualties	Extent of damage
18.	3 Mar.	Agra, Ayodhya / Faizabad, Banda, Gonda, Hardoi, Kaushambi, Kushinagar, Lakhimapur Kheri, Maharajganj, Shahjahanpur, Sitapur (Uttar Pradesh)		Total 10 persons died, one from each Ayodhya/Faizabad, Banda, Gonda, Hardoi, Kaushambi, Kushinagar, Lakhimapur Kheri, Maharajganj, Shahjahanpur, Sitapur district.  While, one person injured in Gonda district.  Also 3 livestock perished in Agra, Shahjahanpur, Sitapur district.	Partial damage to houses in Saharanpur district reported.
19.	13 Mar.	Rajouri (Jammu and Kashmir)		3 persons including a couple and their daughter injured at Shadra village.	
20.	16 Mar.	Latehar (Jharkhand)		One person died.	
21.	16 Mar.	Paschim Medinipur, Puruliya (West Bengal)		Total 3 persons died. Viz. Paschim Medinipur - 1, Puruliya - 2.	
22.	18 Mar.	Balaghat, Seoni (Madhya Pradesh)		One person died in Seoni district and one cow perished in Balaghat district.	
23.	18 Mar.	Balasore (Odisha)		One person died.	
24.	19 Mar.	Jashpur (Chhattisgarh)		One person died.	
25.	19 Mar	Naupada (Odisha)		One person died and other injured.	
26.	20 Mar	Malkangiri (Odisha)		One person died.	

Sr.No.	Date / Period	Area affected	Intensity	Casualties	Extent of damage
27.	20 Mar.	Eluru, Kakinada (Andhra Pradesh)		Total 2 persons died, one in each district.	
28.	25 Mar	Balasore, Sundargarh (Odisha)		Total 2 persons died, one in each district.	
29.	30 Mar.	Chhindwara, Seoni (Madhya Pradesh)		Total 2 persons died, one in each district.	
30.	31 Mar.	Cachar, Morigaon, Udalguri, West Karbi Analog (Assam)		Total 3 persons died, one in each Morigaon, Udalguri, West Karbi Analog district. While, 7 persons injured in Cachar district. Also, 8 livestock perished.	
31.	31 Mar.	Imphal West (Manipur)		One 10-year-old boy died.	
32.	31 Mar.	Gomati (Tripura)		2 personS died.	
33.	31 Mar	Mayurbhanj (Odisha)		One person died.	
34.	1 Apr.	Hailakandi (Assam)		One person died.	
35.	5 Apr.	Bargarh (Odisha)		One person died.	
36.	6 Apr.	Gajapati, Keonjhar, Koraput, Nabarangpur (Odisha)		Total 5 persons died. Viz. Gajapati - 1, Keonjhar - 1, Koraput - 1, Nabarangpur - 2.	
37.	6 Apr.	Hooghly, North 24 Parganas (West Bengal)		2 farmers died. Viz. Hooghly - one 26-year-old man died in Tarakeswar, North 24 Parganas - one Nepal Halder died in Gaighata.	

Sr.No.	Date / Period	Area affected	Intensity	Casualties	Extent of damage
38.	7 Apr.	Damoh (Madhya Pradesh)		One person died.	
39.	7 Apr.	Purba Bardhaman (West Bengal)		2 persons died and 2 others injured.	
40.	7 Apr.	Balasore, Jajpur, Khordha (Odisha)		Total 2 persons died. Viz. Balasore - 1, Khordha - 1. While, 3 others injured in Jajpur district.	
41.	8 Apr.	Alluri Sitharama Raju (Andhra Pradesh)		2 persons died.	
42.	8 Apr.	Chhindwara, Narsinghpur (Madhya Pradesh)		Total 6 persons died, 3 in each district.	
43.	9 Apr.	Hailakandi (Assam)		One person died.	
44.	9 Apr.	Khargone/West Nimar (Madhya Pradesh)		One person died.	
45.	10 Apr.	Yavatmal (Maharashtra)		One person died and 2 livestock perished.	
46.	11 Apr.	Vijayapura (Karnataka)		2 persons died in different places in Indi town and Masali BK village.	
47.	11 Apr.	Alirajpur, Damoh, Ratlam (Madhya Pradesh)		Total 3 persons died, one in each district.	
48.	11 Apr.	Buldhana, Chandrapur, Washim (Maharashtra)		3 livestock perished, one in each district.	

<b>Sr.No.</b>	<b>Date / Period</b>	<b>Area affected</b>	<b>Intensity</b>	<b>Casualties</b>	<b>Extent of damage</b>
49.	12 Apr.	Ujjain (Madhya Pradesh)		One person died.	
50.	12 Apr.	Nagarkurnool (Telangana)		One woman died in Upunuthala village.	
51.	13 Apr.	Ashoknagar, Chhatarpur (Madhya Pradesh)		Total 2 persons died, one in each district.	
52.	13 Apr.	Beed, Nanded (Maharashtra)		4 persons died in Nanded district and 2 others injured in Beed district.	
53.	15 Apr	Pune, Nagpur (Maharashtra)		One 17-year old boy died in Patharwadi area of Purandar taluka of Pune district and 3 livestock perished in Nagpur district.	
54.	16 Apr.	Chamba (Himachal Pradesh)		8 livestock including 2 bulls and 6 goats perished.	
55.	16 Apr.	Kendrapara, Keonjhar (Odisha)		Total 6 persons died. Viz. Kendrapara - 5, Keonjhar - 1. While other injured in Kendrapara district.	
56.	16 Apr.	East Garo Hills (Meghalaya)		One person died.	
57.	17 Apr.	Hailakandi (Assam)		One person died.	
58.	18 Apr.	Dhalai, Khowai (Tripura)		3 persons died.	
59.	19 Apr.	Nandyal (Andhra Pradesh)		One shepherd died and 28 livestock including 25 sheep 3 bulls perished.	

Sr.No.	Date / Period	Area affected	Intensity	Casualties	Extent of damage
60.	19 Apr.	Nizamabad, Ranga Reddy, Sangareddy (Telangana)		One person died in Rangareddy district. While, total 4 livestock perished, Viz. Nizamabad - 3 buffallows, Sangareddy - 1 cow.	
61.	19 Apr.	Naupada (Odisha)		One person died.	
62.	20 Apr.	Gulbarga, Udupi (Karnataka)		Total 2 persons died, one in each district.	
63.	20 Apr.	Koraput (Odisha)		One person died.	
64.	22 Apr.	Balaghat, Barwani, Harda (Madhya Pradesh)		Total 6 persons died. Viz. Balaghat - 4, Barwani - 1, Harda - 1. While, 8 persons injured in Harda district.	
65.	22 Apr.	Bhandara, Yavatmal (Maharashtra)		Total one person died and 5 livestock perished. Viz. Bhandara - 1 child died and 3 oxen perished, Yavatmal - 2 livestock perished.	
66.	24 Apr.	Jind (Haryana)		One 61-year-old farmer of Julana town died.	
67.	24 Apr.	Puri (Odisha)		One person died.	
68.	26 Apr.	Ganjam (Odisha)		One person died.	
69.	26 Apr.	Bundi (Rajasthan)		3 persons died and 4 others injured.	
70.	27 Apr.	Kendrapara (Odisha)		2 persons died.	

Sr.No.	Date / Period	Area affected	Intensity	Casualties	Extent of damage
71.	28 Apr.	Kendrapara (Odisha)		One person died.	
72.	28 Apr.	Bilaspur (Chhattisgarh)		One person died.	
73.	29 Apr.	Yavatmal (Maharashtra)		One person died in Kelapur taluka.	
74.	29 Apr.	Ganjam (Odisha)		One person died.	
75.	29 Apr.	Mulugu (Telangana)		One person died.	
76.	30 Apr.	Kollam (Kerala)		One person died and other injured in different incidences.	
77.	1 May	Balasore (Odisha)		One person died.	
78.	2 May	Gomati (Tripura)		One person died.	
79.	3 May	Bangalore Rural (Karnataka)		One 55-year-old woman died and nearly 50 livestock including sheep, goats perished in Ganagala village.	
80.	3 May	Khammam (Telangana)		One person died.	
81.	4 May	Virudhunagar (Tamil Nadu)		One person died and 2 others injured at Sivakasi.	
82.	4 May	Mahabubabad (Telangana)		One person died.	
83.	5 May	Jangaon, Mulugu (Telangana)		Total 2 persons died, one in each district. Also, one buffallow perished.	

Sr.No.	Date / Period	Area affected	Intensity	Casualties	Extent of damage
84.	5 May	Bishnupur, Kakching (Manipur)		Total one person died and 2 others injured. Viz. Bishnupur - 1 injured, Kakching - 1 died and 1 injured.	
85.	5 May	Hooghly (West Bengal)		2 farmers died.	
86.	6 May	West Singhbhum (Jharkhand)		One person died and 5 others injured.	
87.	6 May	Wanaparthy (Telangana)		60 goats perished.	
88.	6 May	Paschim Medinipur, Purba Burdwan, Purulia (West Bengal )		Total 9 persons died. Viz. Paschim Medinipur - 2, Purba Burdwan - 5, Purulia- 2 youths died.	
89.	6 May	Ganjam, Nabarangpur (Odisha)		Total 3 persons died. Viz. Ganjam - 2, Nabarangpur - 1.	
90.	7 May	Surguja (Chhattisgarh)		One person died in Ambikapur.	
91.	7 May	Chatra, Dhanbad, Koderma, Ranchi, Palamu (Jharkhand)		Total 7 persons died. Viz. Chatra - 1, Dhanbad - 1, Koderma - 1, Ranchi - 3, Palamu - 1. While, 12 others injured.	
92.	7 May	Balaghat, Chhindwara, Seoni (Madhya Pradesh)		Total 3 persons died, one in each district. While, 3 livestock perished in Seoni district.	
93.	7 May	Nagpur, Yavatmal (Maharashtra)		Total 8 livestock perished. Viz. Nagpur - 6, Yavatmal -8.	

<b>Sr.No.</b>	<b>Date / Period</b>	<b>Area affected</b>	<b>Intensity</b>	<b>Casualties</b>	<b>Extent of damage</b>
94.	7 May	Rajanna Sircilla, Sangareddy, Siddipet (Telangana)		Total 2 persons died, one in each Sangareddy, Siddipet district. While, One buffalo perished in Rajanna Sircilla district.	
95.	7 May	Gorakhpur, Kushinagar, Maharajganj (Uttar Pradesh)		Total 4 persons died and 7 others injured. Viz. Gorakhpur - 1 died and other injured, Kushinagar - 2 died and 6 others injured, Maharajganj - one 17-year-old boy died.	
96.	7 May	East Godavari, Eluru, Palnadu (Andhra Pradesh)		7 persons died.	
97.	8 May	Anuppur, Dindori, Sagar (Madhya Pradesh)		Total 3 persons died, one in each district. While, 4 livestock perished in Anuppur district.	
98.	8 May	Kendrapara (Odisha)		One person died.	
99.	9 May	Balasore, Cuttack, Keonjhar, Nabarangpur (Odisha)		Total 4 persons died, one in each district.	
100.	9 May	East Singhbhum, Jamtara, Ranchi (Jharkhand)		Total 3 persons died, one in each district.	
101.	9 May	Balaghat, Damoh, Shahdol (Madhya Pradesh)		Total 2 persons died, one in each Balaghat, Shahdol district. Also, 8 others injured in Damoh district. While, 2 livestock perished in Balaghat district.	

Sr.No.	Date / Period	Area affected	Intensity	Casualties	Extent of damage
102.	9 May	Chandrapur, Nagpur, Wardha, Washim (Maharashtra)		Total 2 persons died, one each from Nagpur and Washim district. While 2 livestock perished, one each from Chandrapur and Wardha district.	
103.	9 May	Bhadrari Kothagudem (Telangana)		16 goats perished.	
104.	9 May	Bageshwar (Uttarakhand)		121 goats of ten owners perished in Gogina village of Kapkot tehsil.	
105.	10 May	Balaghat, Neemuch (Madhya Pradesh)		Total 2 persons died, one in each district.	
106.	11 May	Gaya, J Jamui, Nawada, Rohtas (Bihar)		Total 7 persons died. Viz. Gaya - 3, Jumai - 1, Nawada - 1, Rohtas -2.	
107.	11 May	Satara (Maharashtra)		One boy died and 2 others injured as lightning struck the Electric Scooter.	
108.	11 May	Bhilwara, Bundi (Rajasthan)		Total 4 persons died. Viz. Bhilwara - 1 died in Shahapura, Bundi - 3.	
109.	11 May	Budaun, Pilibhit, Shahjahanpur (Uttar Pradesh)		One person died in Pilibhit district, 2 others injured in Shahjahanpur district 7 one livestock perished in Budaun.	
110.	11 May	Dhenkanal, Keonjhar, Mayurbhanj (Odisha)		Total 3 persons died, one in each district.	
111.	12 May	Khordha (Odisha)		One person died.	

Sr.No.	Date / Period	Area affected	Intensity	Casualties	Extent of damage
112.	12 May	Betul (Madhya Pradesh)		One person died.	
113.	12 May	Amravati, Buldhana,, Nagpur, Nashik, Wardha, Yavatmal (Maharashtra)		Total 4 persons died. Viz. Nagpur - 2 died, Nashik - 1 woman died in Chandwad tehsil, Wardha - 1 died. While, total 14 livestock perished. Viz. Amravati - 3, Buldhana - 1, Wardha - 3, Yavatmal - 7.	
114.	12 May	Khammam (Telangana)		One person died.	
115.	13 May	Palghar (Maharashtra)		3 persons injured.	
116.	13 May	Purba Medinipur (West Bengal)		One farmer died.	
117.	14 May	North Goa (Goa)		One 35-year-old tourist from Kerala died at Miramar beach IN Panjim.	
118.	14 May	Surendranagar (Gujarat)		One woman died in Sayla village.	
119.	14 May	Amravati (Maharashtra)		One cow perished.	
120.	14 May	Betul, Damoh, Narsinghpur, Seoni (Madhya Pradesh)		Total 3 persons died, one in each Damoh, Narsinghpur, Seoni district. Also, 2 persons injured. One in each Damoh, Seoni district. While, 5 goats perished in Betul district.	

Sr.No.	Date / Period	Area affected	Intensity	Casualties	Extent of damage
121.	15 May	Surendranagar (Gujarat)		2 women died and 6 livestock perished.	
122.	15 May	Pandhurna, Seoni (Madhya Pradesh)		One person died in Seoni district and one livestock perished in Pandhurna district.	
123.	16 May	Dumka, Sahibganj (Jharkhand)		Total 6 persons died. Viz. Dumka - 2, Sahibganj - 4.	
124.	16 May	Khargone/West Nimar (Madhya Pradesh)		One person died.	
125.	16 May	Karimnagar, Medak, Nagarkurnool, Peddapalli, Rajanna Sircilla (Telangana)		Two persons died in Rajanna Sircilla district. While, total 17 livestock perished, Viz. Karimnagar - 1 Cow, Medak - 10 goats, Nagarkurnool - 2 Oxen, Peddapalli - 1 buffallow, Rajanna Sircilla - 3.	
126.	16 May	Malda, Murshidabad (West Bengal)		Total 12 persons died and 5 others injured. Viz. Malda - 11 died and 2 injured Murshidabad - 1 died and 3 injured.	
127.	16 May	Keonjhar (Odisha)		One person died.	
128.	17 May	Koraput, Mayurbhanj (Odisha)		Total 2 persons died, one in each district.	
129.	17 May	Yavatmal (Maharashtra)		3 persons injured.	

Sr.No.	Date / Period	Area affected	Intensity	Casualties	Extent of damage
130.	18 May	Khammam, Nalgonda, Suryapet (Telangana)		One person died in Khammam district. Also, Total 20 livestock perished, Viz. Nalgonda - 16, Suryapet - 4.	
131.	18 May	Palnadu, Prakasam (Andhra Pradesh)		Total 2 persons died, one in each district.	
132.	19 May	Tirupathi (Andhra Pradesh)		One person died.	
133.	19 May	Hazaribagh, Ranchi (Jharkhand)		Total 2 persons died, one in each district and 2 livestock perished in Ranchi.	
134.	19 May	Chhindwara (Madhya Pradesh)		2 persons died.	
135.	19 May	Salem, Thoothukudi (Tamil Nadu)		2 persons died, one in each district.	
136.	19 May	Bhadrari Kothagudem, Nagarkurnool, Vikarabad (Telangana)		3 persons died in Vikarabad district. While, 5 livestock perished, Viz. Bhadrari Kothagudem - 1, Nagarkurnool - 4.	
137.	19 May	Koraput (Odisha)		One person died.	
138.	20 May	Jajpur, Keonjhar, Malkangiri, Rayagada (Odisha)		Total 4 persons died, one in each district.	
139.	20 May	Bhadrari Kothagudem, Vikarabad (Telangana)		3 persons died in Vikarabad district and 10 Cows perished in Bhadrari Kothagudem district.	
140.	20 May	Gaurella-Pendra-Marwahi (Chhattisgarh)		4 persons injured.	

Sr.No.	Date / Period	Area affected	Intensity	Casualties	Extent of damage
141.	20 May	Pacshim Medinipur (West Bengal)		One person died.	
142.	21 May	Betul, Satna, Shahdol (Madhya Pradesh)		Total 3 persons died. Viz. Satna - 1, Shahdol - 2. Also, 2 livestock perished in Betul district.	
143.	21 May	Yavatmal (Maharashtra)		One person died.	
144.	22 May	North Goa (Goa)			Damage to the runway edge lights at the Manohar International Airport (MIA), Goa reported because of which six flights diverted to nearby destinations.
145.	22 May	Ernakulam, Kasaragod (Kerala)		Total 2 persons died, one in each district.	
146.	23 May	North Goa (Goa)			i) Severe damage to house reported. ii) Extensive damage to kitchen equipment, utensils, cupboards, electronic appliances, including the fridge, ceiling fan, tubelights, all electrical fixtures reported.
147.	25 May	Dharashiv/Osmanabad (Maharashtra)		One farmer died.	
148.	26 May	Barwani (Madhya Pradesh)		2 persons died.	
149.	26 May	Buldhana, Latur (Maharashtra)		Total 3 persons died and 2 livestock perished. Viz. Buldhana - 1 person died, Latur - 2 persons died and 2 buffaloes perished.	

Sr.No.	Date / Period	Area affected	Intensity	Casualties	Extent of damage
150.	26 May	Mahbubnagar, Nagarkurnool (Telangana)		Total 4 persons died, 2 in each district.	
151.	30 May	Bokaro (Jharkhand)		2 persons died.	
152.	30 May	Kozikode (Kerala)		8 persons injured.	
153.	30 May	Gajapati, Ganjam, Kandhamal (Odisha)		Total 3 persons died, one in each district.	
154.	30 May	Unakoti (Tripura)		One person died.	
155.	31 May	Balasore, Jharsuguda (Odisha)		Total 2 persons died, one in each district.	
156.	31 May	Bokaro (Jharkhand)		3 persons died and 2 others injured.	
157.	1 Jun.	Thrissur (Kerala)		2 persons died.	
158.	1 Jun.	Nabarangpur (Odisha)		One person died.	
159.	1 to 7 Jun.	Dharashiv/Osmanabad, Jalna, Latur, Nanded (Maharashtra)		Total 6 persons died. Viz. Dharashiv/Osmanabad- 1, Jalna - 1, Latur - 3, Nanded - 1.	
160.	1 to 30 Jun.	Anupgarh, Baran, Beawar, Bharatpur, Bhilwara, Chittorgarh, Dausa, Dholpur, Gangapur, Salumbar, Shahpura (Rajasthan)		Total 9 persons died. Viz. Baran - 1, Beawar - 1, Bharatpur - 2, Bhilwara - 1, Chittorgarh - 3, Salumbar - 1. While, 13 persons injured. Viz. Chittorgarh - 5, Dausa - 2, Dholpur - 1, Gangapur - 5. Also, 65 livestock perished. Viz. Anupgarh - 21, Beawar - 9, Bharatpur - 12, Bhilwara - 3, Chittorgarh - 13, Dholpur - 1, Shahpura - 6.	

Sr.No.	Date / Period	Area affected	Intensity	Casualties	Extent of damage
161.	1 Jun. to 3 Dec.	Bagalkot, Belgaum / Belagavi, Bidar, Bijapur / Vijayapura. Dharwad, Gadag, Gulbarga, Hassan, Koppal, Raichur, Shimoga, Tumkur, Vijayanagara, Yadgir (Karnataka)		Total 25 persons died. Viz. Bagalkot - 1, Belgaum/Belagavi - 1, Bidar - 1, Bijapur/Vijayapura - 1, Dharwad - 2, Gadag - 1, Gulbarga - 3, Hassan - 1, Koppal - 2, Raichur - 4, Shimoga - 1, Tumkur - 2, Vijayanagara - 3, Yadgir - 2.	
162.	2 Jun.	Anakapalli, Palnadu, Vishakhapatnam (Andhra Pradesh)		4 persons died.	
163.	2 Jun.	Bargarh, Cuttack, Ganjam, Nabarangpur, Rayagada (Odisha)		Total 7 persons died. Viz. Bargarh - 1, Cuttack - 1, Ganjam - 2, Nabarangpur - 1, Rayagada - 2.	
164.	2 Jun.	Sukma (Chhattisgarh)		26 livestock perished in the forest in Polampalli Village.	
165.	2 Jun.	West Garo Hills (Meghalaya)		One person died.	
166.	2 Jun.	Kumuram Bheem/Asifabad, Jayashankar Bhupalpally (Telangana)		Total 3 livestock perished, Viz. Kumuram Bheem/Asifabad-2, Jayashankar Bhupalpally - 1.	
167.	3 Jun.	Khandwa/East Nimar, Rajgarh (Madhya Pradesh)		Total 2 persons died, one in each district.	
168.	4 Jun.	Jayashankar Bhupalpally, Medak, Peddapalli, Sangareddy (Telangana)		Total 4 persons died. Viz. Jayashankar Bhupalpally-2, Medak - 1, Sangareddy - 1. While, cow perished in Peddapalli district.	

Sr.No.	Date / Period	Area affected	Intensity	Casualties	Extent of damage
169.	4 Jun.	Bargarh, Gajapati, Keonjhar, Koraput, Nabarangpur (Odisha)		Total 6 persons died. Viz. Bargarh - 1, Gajapati - 1, Keonjhar - 1, Koraput - 1, Nabarangpur - 2.	
170.	5 Jun.	Ganjam, Nabarangpur (Odisha)		Total 3 persons died. Viz. Ganjam- 2, Nabarangpur-1.	
171.	5 Jun.	Bhadrari Kothagudem, Hyderabad, Karimnagar, Medak (Telangana)		Total 4 persons died. Viz. Bhadrari Kothagudem - 2, Hyderabad - 1, Karimnagar - 1. While, one buffallow perished in Medak district.	
172.	5 Jun.	Balod (Chhattisgarh)		2 children died and 2 oxen perished.	
173.	5 Jun.	Hassan (Karnataka)		2 women died and 3 others injured at Doddamagga village, in Arkalgud taluk.	
174.	6 Jun.	Muktsar (Punjab)		One tractor driver died.	
175.	6 Jun.	Barabanki, Siddharthnagar, Sitapur (Uttar Pradesh)		Total 3 persons died, one in each district and other injured in Siddharthnagar district.	
176.	6 Jun.	Kolkata (West Bengal)		2 teenagers died and 3 others injured in Narayanpur near Kolkata airport.	Damage to the the fuse of primary runway device reported.
177.	6 Jun.	Gadchiroli (Maharashtra)		2 persons died.	
178.	6 Jun.	Adilabad, Karimnagar, Mahbubnagar, Nagarkurnool, Nirmal, Nizamabad, Rajanna Sircilla, Warangal Urban/Hanumakonda (Telangana)		Total 3 persons died, one each in Mahbubnagar, Nizamabad and Rajanna Sircilla district. While, total 7 livestock perished. Viz. Adilabad - 1 ox, Karimnagar- 2 buffallow, Nagarkurnool - 1 Ox, Nirmal - goat, Warangal Urban/Hanumakonda - 2 oxen.	

<b>Sr.No.</b>	<b>Date / Period</b>	<b>Area affected</b>	<b>Intensity</b>	<b>Casualties</b>	<b>Extent of damage</b>
179.	7 Jun.	Prakasam (Andhra Pradesh)		One person died.	
180.	7 Jun.	Adilabad, Kumuram Bheem/Asifabad, Jayashankar Bhupalpally, Hyderabad, Kamareddy, Medak, Narayanpet, Nirmal, Nizamabad, Vikarabad (Telangana)		Total 8 persons died. Viz.Kumuram Bheem/Asifabad-1, Kamareddy - 1, Medak - 1, Narayanpet - 2, Nirmal - 1, Nizamabad - 1, Vikarabad - 1. While, total 25 livestock perished, Viz. Adilabad - 2 cows, Jayashankar Bhupalpally-10 cows, Hyderabad - 8, Vikarabad - 5 buffalos.	
181.	7 Jun.	Seoni (Madhya Pradesh)		2 persons died and 14 others injured.	
182.	7 Jun.	Cuttack, Jajpur, Kandhamal, Keonjhar, Naupada, Nayagarh, Rayagada (Odisha)		Total 7 persons died, one in each district.	
183.	8 Jun.	Balasore, Mayurbhanj (Odisha)		Total 2 persons died, one in each district.	
184.	8 Jun.	Balaghat (Madhya Pradesh)		2 persons died.	
185.	8 Jun.	Gaurella-Pendra- Marwahi (Chhattisgarh)		One person died and 2 others injured.	
186.	8 Jun.	Jogulamba Gadwal, Rajanna Sircilla (Telangana)		2 persons died in Jogulamba Gadwal district while, one cow perished in Rajanna Sircilla district.	

Sr.No.	Date / Period	Area affected	Intensity	Casualties	Extent of damage
187.	8 to 11 Jun.	Beed, Latur, Nanded (Maharashtra)		Total 4 persons died. Viz. Beed-1, Latur-1, Nanded-2.	
188.	8 Jun.	Wardha (Maharashtra)		One cow perished.	
189.	9 Jun.	Thane (Maharashtra)		4 buffaloes perished in Khaire village in Shahapur	
190.	9 Jun.	Seoni (Madhya Pradesh)		3 persons died and 4 others injured.	
191.	9 Jun.	Kandhamal (Odisha)		One person died.	
192.	10 and 11 Jun.	Hingoli, Parbhani (Maharashtra)		Total 4 persons died. Viz. Hingoli - 1, Parbhani - 3. While, One cow perished in Kardha village in Pathari taluka.	
193.	11 Jun.	Bijapur (Chhattisgarh)		6 cattle heads perished.	
194.	11 Jun.	Akola, Nashik (Maharashtra)		Total 3 persons died and some livestock perished. Viz. Akola - 2 died and some animals perished, Nashik - one 28-year-old farm worker died and 2 livestock perished.	
195.	11 Jun.	Ranchi (Jharkhand)		2 persons died and other injured.	
196.	11 Jun.	Balaghat, Dhar, Seoni (Madhya Pradesh)		Total 5 persons died. Viz. Balaghat - 1, Dhar -1, Seoni -3.	
197.	11 Jun.	Rayagada (Odisha)		One person died.	

Sr.No.	Date / Period	Area affected	Intensity	Casualties	Extent of damage
198.	12 Jun.	Barwani, Chhindwara (Madhya Pradesh)		Total 3 persons died. Viz. Barwani - 2, Chhindwara - 1.	
199.	12 Jun.	West Khasi Hills (Meghalaya)		One 49-year old person of Nongkroh Rambrai village died.	
200.	13 Jun.	Bhadrari Kothagudem, Siddipet, Warangal Urban/Hanumakonda (Telangana)		Total 3 persons died, one in each district.	
201.	14 Jun.	Alluri Sitharama Raju, Vizianagaram (Andhra Pradesh)		Total 2 persons died, one in each district.	
202.	14 Jun.	Rajanna Sircilla, Suryapet (Telangana)		One person died in Suryapet district and one buffallow perished in Rajanna Sircilla district.	
203.	14 Jun.	Narmadapuram/ Hoshangabad (Madhya Pradesh)		2 persons died and 2 others injured.	
204.	14 Jun.	Yavatmal (Maharashtra)		One person died.	
205.	15 Jun.	Barwani, Betul, Sagar (Madhya Pradesh)		Total 4 persons died. Viz.Barwani - 1, Betul -1, Sagar - 2. While one person injured in Barwani district.	
206.	15 Jun.	Ganjam (Odisha)		One person died.	
207.	15 Jun.	Anakapalli (Andhra Pradesh)		One person died.	
208.	16 Jun.	Kurnool (Andhra Pradesh)		2 shepherds died and 2 others injured.	

Sr.No.	Date / Period	Area affected	Intensity	Casualties	Extent of damage
209.	16 Jun.	Betul, Khargone/West Nimar, Raisen, Seoni (Madhya Pradesh)		Total 3 persons died, one in each Betul, Khargone/West Nimar, Raisen district. While 4 others injured in Seoni district.	
210.	16 Jun.	Mancherial, Nirmal (Telangana)		Total 16 livestock perished. Viz. Mancherial 15 goats, Nirmal - 1 Ox.	
211.	16 Jun.	Puruliya (West Bengal)		3 persons died.	
212.	17 Jun.	Jamtara (Jharkhand)		2 persons died.	
213.	17 Jun.	Kanker, Korba (Chhattisgarh)		Total 3 persons died and 5 others injured. Viz. Kanker - 1 died and 4 injured, Korba - 2 died and 1 injured.	
214.	17 Jun.	Mandi (Himachal Pradesh)		One woman died and 10 livestock perished.	
215.	17 Jun.	Kollam (Kerala)		2 women died in Punaloor.	
216.	17 Jun.	Anuppur, Barwani, Burhanpur, Gwalior, Sagar (Madhya Pradesh)		Total 6 persons died, 3 others injured and 28 livestock perished. Viz. Anuppur - 1 died and 2 injured, Burhanpur - 1 died, Barwani - 1 livestock perished, Gwalior - 4 died and 1 injured, Sagar - 27 goats perished.	
217.	17 Jun.	Bhandara, Buldhana, Wardha, Yavatmal (Maharashtra)		More than 30 livestock perished. Viz. Bhandara - 4, Buldhana - 3, Wardha - 4, Yavatmal - more than 20 goats perished.	

Sr.No.	Date / Period	Area affected	Intensity	Casualties	Extent of damage
218.	17 Jun.	Uttar Dinajpur (West Bengal)		One person died and 5 others injured.	
219.	17 Jun.	Cuttack, Koraput (Odisha)		Total 2 persons died, one in each district.	
220.	18 Jun.	Kalahandi (Odisha)		One person died.	
221.	18 Jun.	Raipur (Chhattisgarh)		2 persons died and other injured.	
222.	18 Jun.	Ashoknagar, Barwani, Burhanpur, Chhindwara, Gwalior, Mandla, Raisen, Sagar, Satna, Seoni, Shivpuri, Vidisha (Madhya Pradesh)		Total 15 persons died Viz. Barwani - 1, Burhanpur - 1, Chhindwara - 3, Gwalior - 4, Mandla - 1, Sagar - 1, Satna - 1, Seoni - 1, Shivpuri - 1, Vidisha- 1. Also, 12 others injured Viz. Chhindwara - 6, Gwalior - 1, Raisen - 1, Shivpuri - 4. While 4 livestock perished. Viz. Ashoknagar - 2, Chhindwara - 1, Raisen - 1,	
223.	19 Jun.	Guna, Seoni (Madhya Pradesh)		One person died in Guna district. While, 18 livestock perished. Viz. Guna - 4, Seoni - 14.	
224.	19 Jun.	Gondia (Maharashtra)		One person injured and one livestock perished.	
225.	20 Jun.	Bhandara (Maharashtra)		One buffallow perished.	
226.	20 Jun.	Anuppur, Chhindwara, Datia, Mandla (Madhya Pradesh)		Total 2 persons died, one from each Anuppur and Datia district. While, 5 livestock perished. Viz. Anuppur - 1, Chhindwara - 2, Mandla - 2	

Sr.No.	Date / Period	Area affected	Intensity	Casualties	Extent of damage
227.	20 Jun.	Paschim Medinipur, South 24 Parganas (West Bengal)		5 persons died.	
228.	17 Jun.	Balangir, Boudh, Ganjam, Koraput, Nabarangpur (Odisha)		Total 5 persons died, one in each district.	
229.	18 Jun.	Sundargarh (Odisha)		One person died.	
230.	21 Jun.	Gaurella-Pendra- Marwahi (Chhattisgarh)		One youth died and 2 others injured.	
231.	21 Jun.	Anuppur, Dindori (Madhya Pradesh)		Total 4 persons died. Viz. Anuppur - 1 woman died, Dindori - 3 died in Chauradadar village.	
232.	21 Jun.	Yavatmal (Maharashtra)		One farmer died.	
233.	22 Jun.	Chhindwara, Datia, Dindori, Harda, Satna, Seoni, Shahdol (Madhya Pradesh)		Total 9 persons died. Viz. Datia - 1, Dindori - 1, Harda - 1, Satna - 5, Shahdol - 1. Also, 6 other persons injured in Harda - 1, satna - 5. While, 5 livestock perished. Viz. Chhindwara - 1, Seoni - 1, Shahdol - 3.	
234.	22 Jun.	Chandauli, Sonbhadra (Uttar Pradesh)		Total 2 persons died and 3 others injured. Viz. Chandauli - 1 girl died and 1 injured, Sonbhadra - 1 youth died and 2 injured.	

Sr.No.	Date / Period	Area affected	Intensity	Casualties	Extent of damage
235.	23 Jun.	Ashoknagar, Chhindwara, Khargone/West Nimar, Guna, Jhabua, Maihar, Sagar, Satna, Shivpuri, Singrauli, Tikamgarh (Madhya Pradesh)		Total 13 persons died. Viz. Khargone/West Nimar - 1, Guna - 1, Jhabua - 4, Maihar - 1, Sagar - 1, Satna - 1, Shivpuri - 1, Singrauli - 2, Tikamgarh - 1. Also, 3 persons injured. Viz. Chhindwara - 1, Shivpuri - 2. While, 25 livestock perished. Viz. Ashoknagar - 8, Guna - 1, Jhabua - 3, Maihar - 13.	
236.	23 Jun.	Baloda Bazar (Chhattisgarh)		2 farmers died.	
237.	23 Jun.	Ayodhya/Faizabad, Chitrakoot, Hamirpur (Uttar Pradesh)		Total 5 persons died and 3 others injured. Viz. Ayodhya/Faizabad - 1 died, Chitrakoot - 3 died and 3 injured, Hamirpur - 1 woman died.	
238.	23 Jun.	Gadchiroli (Maharashtra)		2 livestock perished.	
239.	24 Jun.	Vizianagaram (Andhra Pradesh)		One person died.	
240.	24 Jun.	Dindori, Khargone/West Nimar, Jhabua (Madhya Pradesh)		Total 3 persons died, one in each district.	
241.	25 Jun.	Jhabua, Sehere (Madhya Pradesh)		Total 2 persons died, one in each district.	
242.	25 Jun.	Araria, Bhagalpur, East Champaran/Purba Champaran, Jamui, Munger, Siwan, West Champaran/Pachim Champaran (Bihar)		Total 9 persons died. Viz. Araria - 1, Bhagalpur - 2, East Champaran/Purba Champaran - 1, Jamui - 1, Munger - 2, Siwan, - 1, West Champaran / Pachim Champaran - 1.	

Sr.No.	Date / Period	Area affected	Intensity	Casualties	Extent of damage
243.	25 Jun.	Amethi, Auraiya, Azamgarh, Bareilly, Deoria, Sultanpur (Uttar Pradesh)		Total 10 persons died. Viz. Amethi - 3, Auraiya - 2, Azamgarh -1, Bareilly -1, Deoria -1, Sultanpur - 2.	
244.	25 Jun.	Boudh, Ganjam, Jajpur, Sundargarh (Odisha)		Total 4 persons died, one in each district.	
245.	26 Jun.	Anakapalli (Andhra Pradesh)		One person died.	
246.	26 Jun.	Gorakhpur, Jhansi, Kheri, Lalitpur, Moradabad, Pilibhit, Sambhal/Bhimnagar, Shahjahanpur, Sonbhadra (Uttar Pradesh)		Total 19 persons died, 10 others injured and one cattle heads perished. Viz. Gorakhpur - 5 injured and 1 livestock perished, Jhansi - 1 died, Kheri - 2 died and 2 injured, Lalitpur - 3 youth died, Moradabad - 1 worker died, Pilibhit - 3 died and 2 injured, Sambhal/Bhimnagar - 3 died, Shahjahanpur - 2 died, Sonbhadra - 4 died and 1 injured.	
247.	26 Jun.	Balangir, Bargarh (Odisha)		Total 5 persons died and 2 others injured. Viz. Balangir - 2 died in Chaulbanji village, Bargarh - 3 died and 2 injured in Dewandihi village.	
248.	26 Jun.	Udham Singh Nagar (Uttarakhand)		Total 3 persons including two siblings in Saijna Village in Khatima and one youth in Mangarsada village died.	

Sr.No.	Date / Period	Area affected	Intensity	Casualties	Extent of damage
249.	26 Jun.	Ashoknagar, Jhabua, Niwari, Singrauli, Tikamgarh, Ujjain (Madhya Pradesh)		Total 12 persons died. Viz. Ashoknagar - 1, Jhabua - 1, Niwari - 3, Singrauli - 4, Tikamgarh - 2, Ujjain - 1. While, 6 persons injured and 6 goats perished in Niwari district.	
250.	26 Jun.	North Tripura (Tripura)		One person died.	
251.	27 Jun.	Barwani, Damoh, Guna, Narsinghpur, Panna, Seoni (Madhya Pradesh)		Total 6 persons died, one in each district.	
252.	27 Jun.	Ballia, Barabanki, Badaun, Chandauli, Gazipur, Hamirpur, Maharajganj, Mahoba, Mau, Sitapur, Sonbhadra (Uttar Pradesh)		Total 15 persons died, 11 others injured and 10 livestock perished. Viz. Ballia - 2 farmers died in different incidences, Barabanki - 1 died, Badaun - One 52-year old person died in Garhauri village, Chandauli - 1 died, Gazipur - 1 truck driver died and 1 injured, Hamirpur - 3 died and 3 injured, Maharajganj - 1 young girl died and 3 injured, Mahoba - 2 sheperds died and 3 injured and 10 goats perished, Mau - 1 farmer died and 1 injured, Sitapur - 1 died, Sonbhadra - 1 died.	
253.	27 Jun.	Garhwa, Gumla, Koderma (Jharkhand)		Total 5 persons died. Viz. Garhwa - 2, Gumla - 1, Koderma - 2.	
254.	27 Jun.	Dhenkanal (Odisha)		One Person died.	
255.	28 Jun.	Palamu, Ranchi (Jharkhand)		Total 4 persons died. Viz. Palamu - 3, Ranchi - 1.	

Sr.No.	Date / Period	Area affected	Intensity	Casualties	Extent of damage
256.	29 Jun.	Khordha (Odisha)		2 persons died.	
257.	28 Jun.	Balaghat, Damoh, Dewas, Maihar (Madhya Pradesh)		Total 7 persons died. Viz. Balaghat - 2, Damoh - 3, Dewas - 1, Maihar - 1.	
258.	28 Jun.	Amethi, Auraiya, Banda, Chitrakoot/Sahuji Maharaj Nagar, Fatehpur, Jhansi, Kanpur Dehat/Ramabai Nagar, Raibareli (Uttar Pradesh)		Total 13 persons died. Viz. Amethi - 1, Auraiya - 1, Banda - 2, Chitrakoot -1, Fatehpur - 5, Jhansi - 1, Kanpur Dehat / Ramabai Nagar-1, Raibareli - 1 and 2 others injured in Auraiya.	
259.	30 Jun.	Damoh, Dhar (Madhya Pradesh)		Total 2 persons died, one in each district.	
260.	30 Jun.	Allahabad/Prayagraj, Deoria, Gorakhpur, Hamirpur, Kushinagar, Mahoba, Sant Kabir Nagar, Unnao (Uttar Pradesh)		Total 10 persons died. Viz. Allahabad/Prayagraj - 1, Deoria - 2, Gorakhpur - 2, Hamirpur - 1, Kushinagar - 1, Mahoba - 1, Sant Kabir Nagar - 1, Unnao - 1. While 29 others injured Viz. Deoria - 5, Kushinagar - 24.	
261.	1 Jul.	Azamgarh (Uttar Pradesh)		One person died and other injured.	
262.	2 Jul.	Gadchiroli (Maharashtra)		One 42-year old farmer died in Jivangatta village of Etapalli Taluka.	
263.	3 Jul.	Kotputli-Behrur (Rajasthan)		One person died, other injured and one livestock perished.	
264.	3 Jul.	Moradabad (Uttar Pradesh)		One 56-year old farmer died.	

Sr.No.	Date / Period	Area affected	Intensity	Casualties	Extent of damage
265.	4 Jul.	Jamui (Bihar)			One youth died.
266.	4 Jul.	Mauganj, Ratlam, Ujjain (Madhya Pradesh)			One person died in Ujjain district. Also, 2 livestock perished, one each in Mauganj, Ratlam district.
267.	4 Jul.	Banda, Sambhal (Uttar Pradesh)			Total 2 persons died, one from each district.
268.	4 Jul.	Balasore, Khordha (Odisha)			Total 2 persons died, one in each district.
269.	5 Jul.	East Champaran, Jehanabad, Madhepura, Rohtas, Saran, Supaul (Bihar)			Total 9 persons died. Viz. East Champaran - 1, Jehanabad - 3 farmers, Madhepura - 2, Rohtas - 1, Saran - 1, Supaul - 1.
270.	5 Jul.	Kaushambi, Mainpuri, Raebareli, Sant Kabir Nagar (Uttar Pradesh)			Total 5 persons died and 9 others injured. Viz. Kaushambi - 1 teenager girl died and other injured, Mainpuri - 1 youth died. Raebareli - 2 farmers died, Sant Kabir Nagar - 1 woman died and 8 others injured.
271.	6 Jul.	Bahraich, Deoria, Mau (Uttar Pradesh)			Total 3 persons died, one from each district. While, 3 persons injured in Bahraich district.
272.	6 Jul.	Nawada (Bihar)			2 persons died.

Sr.No.	Date / Period	Area affected	Intensity	Casualties	Extent of damage
273.	6 Jul.	Cuttack, Jajpur, Kandhamal, Keonjhar, Naupada, Nayagarh, Rayagada (Odisha)		Total 7 persons died, one in each district.	
274.	7 Jul.	Bhojpur, Gopalganj, Jamui, Kaimur, Rohtas, Saharsa, Saran (Bihar)		Total 12 persons died. Viz. Bhojpur - 1, Gopalganj - 1, Jamui - 3, Kaimur - 3, Rohtas - 2, Saharsa - 1, Saran - 1.	
275.	7 Jul.	Ghazipur, Jaunpur (Uttar Pradesh)		Total 6 persons died, 9 others injured and 2 livestock perished. Viz. Ghazipur - 4 died and 8 injured and 2 buffalows perished, Jaunpur - 2 died and 1 injured.	
276.	8 Jul.	Balaghat, Narsinghpur, Panna, Seoni, Shivpuri, Singrauli (Madhya Pradesh)		Total 4 persons died, one in each Balaghat, Narsinghpur, Seoni, Singrauli district. Also, 2 others injured, one in each Panna, Seoni district. While, 8 livestock perished. Viz. Panna -2, Seoni -5, Shivpuri -1.	
277.	8 Jul.	Koraput (Odisha)		2 persons died.	
278.	9 Jul.	Rayagada (Odisha)		One person died.	
279.	9 Jul.	Mandsaur, Morena, Niwari, Shivpuri (Madhya Pradesh)		One person died in Niwari district, other injured in Shivpuri district. While, total 16 livestock perished. Viz. Morena - 13, Mandsaur - 3.	
280.	9 Jul.	Kaushambi (Uttar Pradesh )		2 persons died.	

Sr.No.	Date / Period	Area affected	Intensity	Casualties	Extent of damage
281.	9 Jul.	Chittorgarh (Rajasthan)		One person died and 2 livestock perished.	
282.	10 Jul.	Bhilwara, Bundi (Rajasthan)		Total 6 persons died, 3 in each district. While, 8 livestock perished, Viz. Bhilwara - 2, Bundi - 6.	
283.	10 Jul.	Amethi, Auraiya, Ballia, Chandauli, Etawah, Fatehpur, Ghazipur, Hamirpur, Jaunpur, Kanpur Dehat, Mahoba, Mainpuri, Mau, Prayagraj/ Allahabad, Pratapgarh, Raebareli, Siddharthnagar, Sonbhadra, Sultanpur, Unnao, Varanasi (Uttar Pradesh )		Total 58 persons died. Viz. Amethi - 3, Auraiya - 1, Ballia -1, Chandauli-6, Etawah -1, Fatehpur - 3, Ghazipur - 1, Hamirpur - 2, Jaunpur - 1, Kanpur Dehat - 2, Mahoba - 1, Mainpuri - 5, Mau - 1, Prayagraj/ Allahabad - 4, Pratapgarh - 12, Raebareli -1, Siddharthnagar - 1, Sonbhadra - 1, Sultanpur - 7, Unnao - 1, Varanasi - 3.	
284.	10 Jul.	Saraikela Kharsawan (Jharkhand)		3 persons died and 3 others injured in Bhadudih village.	
285.	10 Jul.	Bhind, Guna, Sehore (Madhya Pradesh)		Total 4 persons died, 2 in each Bhind, Guna district. While, one livestock perished in Sehore district.	
286.	10 Jul.	Nagpur (Maharashtra)		One person died.	

Sr.No.	Date / Period	Area affected	Intensity	Casualties	Extent of damage
287.	11 Jul.	Aurangabad, Bhojpur, Gopalganj, Jehanabad, Kaimur, Lakhisarai, Madhepura, Madhubani, Patna, Rohtas, Saran, Supaul (Bihar)		Total 21 persons died. Viz. Aurangabad - 4, Bhojpur - 1, Gopalganj - 1, Jehanabad - 1, Kaimur - 1, Lakhisarai - 1, Madhepura - 1, Madhubani - 6, Patna - 2, Rohtas - 1, Saran - 1, Supaul - 1. While 18 students injured in the Bhojpur district.	
288.	11 Jul.	Damoh, Niwari, Panna, Shahdol, Ujjain, Umaria (Madhya Pradesh)		Total 4 persons died. Viz. Damoh - 2, Panna - 1, Ujjain - 1. Also, 7 persons injured. Viz. Damoh - 2, Niwari - 1, Umaria - 4. While, 9 livestock perished. Viz, Ujjain - 1, Shahdol - 8.	
289.	11 Jul.	Kotputli-Behror (Rajasthan)		One person died, other injured and one livestock perished.	
290.	11 Jul.	Azamgarh, Banda, Ballia, Budaun, Fatehpur, Kaushambi, Sonbhadra (Uttar Pradesh)		Total 13 persons died, 16 others injured and 2 livestock perished. Viz. Azamgarh - 2 died and 1 injured, Banda - 1 died and 1 injured, Ballia - 1 died and 2 injured, Budaun - 1 woman died, Fatehpur - 5 died and 3 injured, Kaushambi - 2 died and 9 injured and 2 livestock perished, Sonbhadra - 1 woman died	

Sr.No.	Date / Period	Area affected	Intensity	Casualties	Extent of damage
291.	12 Jul.	Khandwa/East Nimar, Rewa, Sehore, Shahdol, Sidhi (Madhya Pradesh)		Total 5 persons died. Viz. Khandwa/East Nimar - 1, Rewa - 1, Sehore - 1, Shahdol - 2. Also, one person injured in Shahdol district. While, total 4 livestock perished. Viz. Shahdol - 1, Sidhi - 3.	
292.	12 Jul.	Firozpur (Punjab)		2 persons died in Jalalabad Tehsil.	
293.	12 Jul.	Sonbhadra (Uttar Pradesh )		One person died and 2 others injured.	
294.	13 Jul.	Azamgarh (Uttar Pradesh )		One woman died.	
295.	13 Jul.	Ganjam (Odisha)		One person died.	
296.	14 Jul.	Cuttack, Jajpur, Nabarangpur (Odisha)		Total 4 persons died. Viz. Cuttack - 1, Jajpur - 2, Nabarangpur - 1.	
297.	14 Jul.	Munger (Bihar )		2 youth died and other injured.	
298.	14 Jul.	Burhanpur, Dhar, Dindori, Umaria (Madhya Pradesh)		Total 2 persons died, one in each Burhanpur, Dhar district. While, 3 livestock perished. Viz. Dindori - 1, Umaria - 2.	
299.	14 Jul.	Wardha (Maharashtra)		2 oxen perished.	
300.	15 Jul.	Chhindwara, Ratlam, Umaria (Madhya Pradesh)		One person died in Chhindwara district. Total 4 livestock perished. Viz. Chhindwara - 2, Ratlam - 1, Umaria - 1	

Sr.No.	Date / Period	Area affected	Intensity	Casualties	Extent of damage
301.	15 Jul.	Surguja (Chhattisgarh)		One person died and other injured.	
302.	16 Jul.	Jhalawar (Rajasthan)		One person died and 2 livestock perished.	
303.	16 Jul.	Dhar, Sehore, Shahdol (Madhya Pradesh)		Total 4 persons died. Viz. Dhar - 3, Shahdol - 1. Also, 2 others injured, one in each Dhar, Sehore district. While, one livestock perished in Shahdol district.	
304.	17 Jul.	Chhindwara, Dewas, Mandla, Neemuch, Tikamgarh (Madhya Pradesh)		Total 9 persons died. Viz. Chhindwara - 1, Dewas - 1, Mandla - 4, Neemuch - 1, Tikamgarh - 2. Also, 5 others injured. Viz. Mandla - 4, Neemuch - 1. While, 4 livestock perished. Viz. Chhindwara - 3, Tikamgarh - 1.	
305.	18 Jul.	Pali (Rajasthan)		2 persons died and 3 livestock perished.	
306.	18 Jul.	Ashoknagar, Chhatarpur, Chhindwara, Dindori, Khargone/West Nimar, Gwalior, Jhabua, Panna, Shahdol (Madhya Pradesh)		Total 10 persons died. Viz. Ashoknagar - 2, Chhatarpur - 2, Dindori - 1, Khargone / West Nimar - 1, Gwalior - 2, Jhabua - 1, Panna - 1. Also 5 others injured. Viz. Ashok Nagar - 3, Dindori - 2. While, 8 livestock perished. Viz. Chhindwara - 3, Panna - 3, Shahdol - 2.	

Sr.No.	Date / Period	Area affected	Intensity	Casualties	Extent of damage
307.	18 Jul.	Nagpur (Maharashtra)		One person died.	
308.	19 Jul.	Gondia (Maharashtra)		One farmer died.	
309.	19 Jul.	Pali (Rajasthan)		One person died and 2 livestock perished.	
310.	19 Jul.	Ashoknagar, Balaghat, Chhatarpur, Katni, Mandla, Satna, Shahdol (Madhya Pradesh)		Total 7 persons died, Viz. Ashoknagar - 1, Balaghat - 1, Katni - 1, Satna - 3, Shahdol - 1. Also, 15 others injured. Viz. Balaghat - 2, Katni - 8, Mandla - 2, Satna - 3. While, 3 livestock perished, Viz. Balaghat - 1, Chhatarpur - 2.	
311.	20 Jul.	Agar-Malwa, Balaghat, Damoh, Mandla, Sehore, Seoni (Madhya Pradesh)		Total 4 persons died, one in each Agar-Malwa, Damoh, Mandla, Sehore district. Also 3 others injured. Viz. Agar-Malwa - 1, Mandla - 2. While, 3 livestock perished, Viz. Balaghat - 2, Seoni - 1.	
312.	20 Jul.	Balod (Chhattisgarh)		3 persons died and 2 others injured.	
313.	20 Jul.	Gondia (Maharashtra)		7 livestock including 6 goats and one ox perished.	
314.	21 Jul.	Balaghat, Katni, Seoni (Madhya Pradesh)		One person died in Balaghat district, other injured in Seoni district. While, total 5 livestock perished, Viz. Katni - 3, Seoni - 2.	

Sr.No.	Date / Period	Area affected	Intensity	Casualties	Extent of damage
315.	22 Jul.	Chhindwara, Damoh, Mandla, Seoni, Shahdol, Umaria, Vidisha (Madhya Pradesh)		Total 5 persons died, one in each Damoh, Mandla, Seoni, Shahdol, Vidisha district. While, total 5 livestock perished. Viz. Chhindwara - 1, Mandla - 2, Seoni - 1, Umaria - 1.	
316.	22 Jul.	Ganjam (Odisha)		One person died.	
317.	23 Jul.	Sirohi (Rajasthan)		One person died and 3 others injured.	
318.	23 Jul.	Chhindwara, Maihar, Mandla, Panna, Sehore, Seoni, Shahdol, Sidhi, Umaria (Madhya Pradesh)		Total 2 persons died, one in each Panna, Shahdol district. Also 2 others injured, one in each Maihar, Sidhi district. While, total 70 livestock perished. Viz. Chhindwara - 1, Maihar - 43, Mandla - 1, Sehore - 1, Seoni - 1, Shahdol - 14, Sidhi - 7, Umaria - 2.	
319.	23 Jul.	Mainpuri (Uttar Pradesh )		One farmer died	
320.	25 Jul.	Auraiya, Sonebhadra (Uttar Pradesh )		Total 2 persons died, 2 others injured and one livestock perished. Viz. Auraiya - 1 died and 2 injured, Sonbhadra- 1 died and 1 cow perished.	
321.	27 Jul.	Jalaun (Uttar Pradesh )		2 sheperds died and 2 others injured.	
322.	28 Jul.	Koriya, Rajnandgaon (Chhattisgarh)		Total 2 persons died, one in each district.	

Sr.No.	Date / Period	Area affected	Intensity	Casualties	Extent of damage
323.	28 Jul.	Satna, Vidisha (Madhya Pradesh)		Total 2 persons died, one in each district.	
324.	29 Jul.	Chhindwara, Dewas, Jabalpur (Madhya Pradesh)		One person died in each Jabalpur district. While, total 3 livestock perished. Viz. Chhindwara - 2, Dewas - 1.	
325.	29 Jul.	Fatehabad (Haryana)		One 65-year old woman died.	
326.	29 Jul.	Dungarpur, Udaipur (Rajasthan)		Total 3 persons died, 13 others injured and 3 livestock perished. Viz. Dungarpur - 1 died and 11 injured, Udaipur - 2 died and 2 injured and 3 livestock perished.	
327.	29 Jul.	Balasore (Odisha)		One person died.	
328.	30 Jul.	Mayurbhanj (Odisha)		One person died.	
329.	31 Jul.	Jehanabad, Rohtas (Bihar)		Total 5 persons died. Viz. Jehanabad - 3, Rohtas - 2.	
330.	31 Jul.	Balrampur (Chhattisgarh)		2 persons including a mother and her son died in Shardapur village.	
331.	31 Jul.	Chatra, Gumla, Lohardaga, Ranchi (Jharkhand)		Total 10 persons died. Viz. Chatra - 2, Gumla - 1, Lohardaga - 1, Ranchi - 6. While, 12 others injured.	
332.	31 Jul.	Jhargram (West Bengal)		2 persons died.	

Sr.No.	Date / Period	Area affected	Intensity	Casualties	Extent of damage
333.	1 Aug.	Chatra, Garhwa, Giridih, Latehar, Palamu, Ranchi, West Singhbhum/Paschim Singhbhumi (Jharkhand)		Total 8 persons died. Viz. Chatra - 1, Garhwa - 2, Giridih - 1, Latehar - 1, Palamu - 1, Ranchi - 1, West Singhbhum /Paschim Singhbhumi - 1 died in Chaibasa. While, 15 others injured.	
334.	1 Aug.	Balaghat, Neemuch, Sehore (Madhya Pradesh)		One person died in Neemuch district. Also, 2 others injured, one in each Neemuch, Sehore district. While, total 3 livestock perished. Viz. Balaghat - 2, Sehore - 1.	
335.	2 Aug.	Chatra, Hazaribagh, Koderma, West Singhbhum/Paschim Singhbhumi (Jharkhand)		Total 7 persons died. Viz. Chatra - 2, Hazaribagh - 2, Koderma - 1, West Singhbhum / Paschim Singhbhumi - 2. While, 9 others injured.	
336.	3 Aug.	Shahdol (Madhya Pradesh)		3 livestock perished.	
337.	3 Aug.	Nagaur (Rajasthan)		One person died.	
338.	4 Aug.	Garhwa, Giridih, Palamu, Saraikela Kharsawan (Jharkhand)		Total 6 persons died. Viz. Garhwa - 2, Giridih - 1, Palamu -1, Saraikela Kharsawan - 2.	
339.	4 Aug.	Shahdol, Shivpuri (Madhya Pradesh)		Total 4 livestock perished. Viz. Shahdol - 3, Shivpuri - 1	
340.	4 Aug.	Chandrapur (Maharashtra)		2 women injured.	
341.	5 Aug.	Jodhpur (Rajasthan)		One person died.	

Sr.No.	Date / Period	Area affected	Intensity	Casualties	Extent of damage
342.	5 Aug.	Kendrapara (Odisha)		One person died.	
343.	6 Aug.	Balasore, Mayurbhanj (Odisha)		Total 2 persons died, one in each district.	
344.	7 Aug.	Koraput (Odisha)		2 persons died.	
345.	7 Aug.	Bharatpur (Rajasthan)		One person died.	
346.	9 Aug.	Damoh, Jhabua, Neemuch, Sehore, Shahdol (Madhya Pradesh)		Total 11 livestock perished. Viz. Damoh - 1, Jhabua - 2, Neemuch - 1, Sehore - 1, Shahdol - 6.	
347.	10 Aug.	Balasore, Cuttack (Odisha)		Total 5 persons died. Viz. Balasore - 2, Cuttack - 3.	
348.	10 Aug.	Bikaner, Bundi (Rajasthan)		Total 2 persons died, one in each district.	
349.	10 Aug.	Chamoli (Uttarakhand)		One buffalo perished in Bhenti Village of Ghat Tehsil.	
350.	10 Aug.	Puruliya (West Bengal)		2 persons died.	
351.	12 Aug.	Puri (Odisha)		One woman died and 7 others injured at Chaitana Bhoi sahi area.	
352.	13 Aug.	Balasore (Odisha)		2 persons died.	
353.	14 Aug.	Simdega (Jharkhand)		3 persons died and 5 others injured.	
354.	14 Aug.	Chandrapur (Maharashtra)		One woman died.	

Sr.No.	Date / Period	Area affected	Intensity	Casualties	Extent of damage
355.	14 Aug.	Anuppur, Chhatarpur, Panna, Shahdol (Madhya Pradesh)		Total 3 persons died, Viz. Anuppur - 1, Chhatarpur - 2. Also, 8 others injured in Chhatarpur district. While, 2 livestock perished, one in each Panna, Shahdol district.	
356.	16 Aug.	Shahdol, Shivpuri (Madhya Pradesh)		One person died in Shahdol district. While, 6 livestock perished. Viz. Shahdol - 5, Shivpuri -1.	
357.	16 Aug.	Jashpur (Chhattisgarh)		3 women died and 7 others injured.	
358.	16 Aug.	Kumuram Bheem / Asifabad (Telangana)		One farmer died.	
359.	16 Aug.	Uttarkashi (Uttarakhand)		Some animals perished in Ghola Naamey Tok in Jakhhol village of Bhatwari Tehsil.	
360.	17 Aug.	Balasore, Bargarh, Bhadrak, Cuttack , Dhenkanal, Ganjam, Jajpur, Kendrapara, Keonjhar, Mayurbhanj (Odisha)		Total 12 persons died. Viz. Balasore - 2, Bhadrak - 2, Cuttack - 1, Dhenkanal - 1, Ganjam - 1, Jajpur - 1, Kendrapara - 1, Keonjhar - one 13-year-old boy died, Mayurbhanj - 2 died at Singarapara village. While, 16 others injured. Viz. Bargarh - 12 injured at Munupali village, Bhadrak - 1 injured at Sahupada village, Keonjhar - 3 injured at Gudikansa village.	

Sr.No.	Date / Period	Area affected	Intensity	Casualties	Extent of damage
361.	17 Aug.	Panna, Shahdol (Madhya Pradesh)		One person died in Shahdol district. While, 2 livestock perished, one in each	
362.	17 Aug.	Nagarkurnool (Telangana)		One person died.	
363.	18 Aug.	Akola (Maharashtra)		One woman died.	
364.	18 Aug.	Balasore, Bhadrak, Jajpur, Kendrapara, Subarnapur (Odisha)		Total 6 persons died. Viz. Balasore - 1, Bhadrak - 1, Jajpur - 1, Kendrapara - 2 farmers, Subarnapur - 1. While, several others injured from parts of Odisha.	
365.	19 Aug.	Balangir, Balasore (Odisha)		Total 2 persons died, one in each district.	
366.	19 Aug.	Gadchiroli (Maharashtra)		One livestock perished.	
367.	19 Aug.	Mandla, Panna (Madhya Pradesh)		Total 10 livestock perished. Viz. Mandla - 1, Panna - 9.	
368.	19 Aug.	Bhadrari Kothagudem, Jogulamba Gadwal, Hyderabad, Nagarkurnool, Peddapalli (Telangana)		Total 9 persons died. Viz. Bhadrari Kothagudem - 4 farmers, Jogulamba Gadwal - 1, Hyderabad - 2 children, Nagarkurnool - 1, Peddapalli - 1.	Damage to 2 transfermars in Bhadrari Kothagudem district reported.
369.	19 Aug.	Ntr (Andhra Pradesh)		One person died.	
370.	20 Aug.	Bapatla (Andhra Pradesh)		One person died.	

Sr.No.	Date / Period	Area affected	Intensity	Casualties	Extent of damage
371.	20 Aug.	Alirajpur (Madhya Pradesh)		One person died.	
372.	20 Aug.	Korba (Chhattisgarh)		20 cattleheads perished at Kerakachhar village.	
373.	20 Aug.	Buldhana (Maharashtra)		One cattlehead perished.	
374.	20 Aug.	Balasore (Odisha)		One person died.	
375.	21 Aug.	Bhadrak, Balasore, Dhenkanal, Kendrapara (Odisha)		Total 10 persons died. Viz. Bhadrak - 6 died field at Bhagaram and Charigaon village, Balasore - 2 died at at Paduna and Oldang villages, Dhenkanal - 1 died at Kudua village, Kendrapara - 1 died at Gokulpur.	
376.	22 Aug.	Mayurbhanj (Odisha)		One person died.	
377.	21 Aug.	Anuppur, Dindori, Jhabua, Mandla, Shahdol (Madhya Pradesh)		Total 3 persons died, one in each Anuppur, Dindori, Jhabua district. While, 95 livestock perished. Viz. Anuppur - 1, Dindori - 79, Mandla - 14, Shahdol - 1.	
378.	22 Aug.	Surguja (Chhattisgarh)		One person died in Ambikapur.	
379.	22 Aug.	Akola, Chandrapur, Gondia, Thane (Maharashtra)		Total 3 persons died, 2 injured and 2 livestock perished. Viz. Akola - 1 died, Chandrapur - 1 died, Gondia - 2 livestock perished, Thane - 1 woman died and 2 other family members injured at Murbad.	

Sr.No.	Date / Period	Area affected	Intensity	Casualties	Extent of damage
380.	23 Aug.	Beawar, Udaipur (Rajasthan)			Total 2 persons died, one in each district.
381.	23 Aug.	Jharsuguda (Odisha)			One person died.
382.	24 Aug.	Keonjhar (Odisha)			One person died.
383.	24 Aug.	Mandla, Rajgarh, Tikamgarh (Madhya Pradesh)			One person died in Mandla district. While, 16 livestock perished. Viz. Rajgarh - 1, Tikamgarh - 15.
384.	25 Aug.	Bhind, Chhindwara, Shivpuri (Madhya Pradesh)			One person died in Shivpuri district. While, 9 livestock perished. Viz. Bhind - 1, Chhindwara - 3, Shivpuri - 5.
385.	25 Aug.	Ranchi (Jharkhand)			One person died.
386.	25 Aug.	Gangapur (Rajasthan)			One person died.
387.	26 Aug.	Rajouri (Jammu and Kashmir)			One 32-year-old woman died.
388.	26 Aug.	Chhindwara, Narsinghpur, Ratlam (Madhya Pradesh)			Total 11 livestock perished. Viz. Chhindwara - 8, Narsinghpur - 2, Ratlam - 1.
389.	26 Aug.	Jajpur (Odisha)			One person died.
390.	28 Aug.	Srikakulam (Andhra Pradesh)			One person died.
391.	28 Aug.	Puri (Odisha)			One person died.

Sr.No.	Date / Period	Area affected	Intensity	Casualties	Extent of damage
392.	29 Aug.	Latehar (Jharkhand)		2 persons died and 10 others injured.	
393.	29 Aug.	Chandrapur (Maharashtra)		One woman died.	
394.	29 Aug.	Anuppur, Shahdol, Umaria (Madhya Pradesh)		Total 18 livestock perished. Viz. Anuppur - 13, Shahdol - 3, Umaria - 2.	
395.	31 Aug.	Balaghat, Khargone/West Nimar, Katni, Shahdol (Madhya Pradesh)		Total 3 persons died, Viz. Katni - 1, Shahdol - 2. While, 3 livestock perished. Viz. Balaghat - 1, Khargone/West Nimar - 2.	
396.	2 Sep.	Balaghat, Khargone/West Nimar, Katni, Shahdol (Madhya Pradesh)		Total 3 persons died. Viz. Katni - 1, Shahdol - 2. While, 3 livestock perished, Viz. Balaghat - 1, Khargone/West Nimar - 2.	
397.	2 Sep.	Jhalawar (Rajasthan)		One person died.	
398.	2 Sep.	Uttarkashi (Uttarakhand)		30 goats/sheep perished in Nuradu village.	
399.	3 Sep.	Udaipur (Rajasthan)		One person died.	
400.	3 Sep.	Betul, Guna, Narmadapuram/Hoshan gabad, Umaria (Madhya Pradesh)		Total 2 persons died, one in each Guna, Narmadapuram/Hoshangabad district. While, 31 livestock perished, Viz. Betul - 1, Umaria - 30.	
401.	3 and 4 Sep.	Chumoukedima (Nagaland)		One woman died and other injured.	

Sr.No.	Date / Period	Area affected	Intensity	Casualties	Extent of damage
402.	4 Sep.	Agar-Malwa, Chhindwara, Khandwa/East Nimar, Khargone/West Nimar, Jhabua, Mandsaur, Ratlam (Madhya Pradesh)		Total 4 persons died, one in each Agar-Malwa, Khandwa/East Nimar, Mandsaur, Ratlam district. Also, 6 others injured, Viz. Chhindwara - 3, Khandwa/East Nimar - 1, Khargone/West Nimar - 2. While, 15 livestock perished, Viz. Chhindwara - 6, Khandwa / East Nimar - 5, Jhabua - 2, Ratlam - 2.	
403.	4 Sep.	Jaipur (Rajasthan)		One person died.	
404.	5 Sep.	Khandwa/East Nimar, Guna, Jhabua, Ratlam (Madhya Pradesh)		Total 2 persons died, one in each Guna, Ratlam district. While, 5 livestock perished, Viz. Khandwa/East Nimar - 1, Jhabua - 3, Ratlam - 1.	
405.	5 Sep.	Balasore, Cuttack, Keonjhar, Nabarangpur (Odisha)		Total 4 persons died, one in each district.	
406.	6 Sep.	Kandhamal (Odisha)		One person died.	
407.	7 Sep.	Rayagada (Odisha)		One person died.	
408.	7 Sep.	Anuppur, Betul, Chhindwara, Dindori, Gwalior, Panna, Shahdol (Madhya Pradesh)		Total 3 persons died, one in each Dindori, Gwalior, Panna district. Also other injured in Shahdol district. While, 15 livestock perished, Viz. Anuppur - 7, Betul - 1, Chhindwara - 1, Dindori - 6.	

Sr.No.	Date / Period	Area affected	Intensity	Casualties	Extent of damage
409.	7 Sep.	Bharatpur (Rajasthan)		One person died.	
410.	7 Sep.	Jayashankar Bhupalpally (Telangana)		One person died.	
411.	8 Sep.	Baloda Bazar (Chhattisgarh)		7 persons died and 3 others injured in Mohtara village.	
412.	8 Sep.	Anuppur, Dindori, Mandla (Madhya Pradesh)		Total 3 persons died, one in each district.	
413.	9 Sep.	Balaghat, Shahdol, Shajapur, Shivpuri (Madhya Pradesh)		One person died in Shajapur district. Also 3 others injured in Shahdol district. While, 5 livestock perished, Viz. Balaghat - 1, Shahdol - 3, Shivpuri - 1.	
414.	10 Sep.	Balaghat, Mandla, Shahdol, Sheopur (Madhya Pradesh)		2 persons died in Sheopur district. While, 11 livestock perished, Viz. Balaghat - 2, Mandla - 4, Shahdol - 5.	
415.	10 Sep.	Mayurbhanj (Odisha)		2 persons died.	
416.	10 Sep.	Salumbar (Rajasthan)		One person died.	
417.	11 Sep.	Anuppur, Dindori, Jhabua, Mandsaur, Shivpuri, Umaria (Madhya Pradesh)		Total 2 persons died, one in each Anuppur, Jhabua district. While, 6 livestock perished, Viz. Dindori - 2, Jhabua - 1, Mandsaur - 1, Shivpuri - 1, Umaria - 1.	

Sr.No.	Date / Period	Area affected	Intensity	Casualties	Extent of damage
418.	12 Sep.	Narsinghpur, Ratlam, Seoni (Madhya Pradesh)		One person died in Ratlam district. Also, other injured in Seoni district. While, 16 livestock perished, Viz. Narsinghpur - 15, Seoni - 1.	
419.	13 Sep.	Balaghat, Chhatarpur, Shivpuri (Madhya Pradesh)		Total 6 livestock perished, Viz. Balaghat - 1, Chhatarpur - 4, Shivpuri - 1.	
420.	15 Sep.	Cuttack (Odisha)		One person died.	
421.	17 Sep.	Mon (Nagaland)		One woman died.	
422.	20 Sep.	Gadchiroli (Maharashtra)		One woman died.	
423.	21 Sep.	Gondia (Maharashtra)		5000 chickens perished.	Damage to poultry farm reported.
424.	21 Sep.	Nagarkurnool, Sangareddy, Warangal Urban/Hanumakonda (Telangana)		One person died in Nagarkurnool district. While, total 23 livestock perished, Viz. Sangareddy - 21, Warangal Urban / Hanumakonda - 2.	
425.	22 Sep.	Gondia, Wardha (Maharashtra)		Total 3 livestock perished. Viz. Gondia - 2, Wardha - 1	
426.	22 Sep.	Nayagarh (Odisha)		One person died.	
427.	23 Sep.	Janjgir Champa, Rajnandgaon (Chhattisgarh)		Total 9 persons died and 8 others injured. Viz. Janjgir Champa - 1 died and 8 injured, Rajnandgaon - 8 died.	

Sr.No.	Date / Period	Area affected	Intensity	Casualties	Extent of damage
428.	23 Sep.	Yadgir (Karnataka)		4 persons died and 7 others injured.	
429.	23 Sep.	Wardha (Maharashtra)		One woman died and 2 others injured in Karanja.	
430.	24 Sep.	Jashpur (Chhattisgarh)		One person died.	
431.	24 Sep.	Nawada (Bihar)		3 persons died.	
432.	24 Sep.	Hingoli, Parbhani (Maharashtra)		Total 3 persons died and one livestock perished. Viz. Hingoli - 1 ox perished in Aundha Nagnath, Parbhani- 3 persons died in different incidences.	
433.	24 Sep.	Umaria (Madhya Pradesh)		One person died.	
434.	24 Sep.	Bhadrari Kothagudem, Karimnagar, Mahabubabad (Telangana)		Total 8 persons died. Viz. Bhadradi Kothagudem - 5, Karimnagar - 1 shepherd, Mahabubabad - 2 farmers died in different incidences.	
435.	25 Sep.	Betul, Chhindwara, Jhabua, Sehore (Madhya Pradesh)		Total 4 persons died, Viz. Chhindwara - 1, Sehore - 3. Also, 14 others injured, Viz. Chhindwara - 9, Sehore - 5. While, 2 livestock perished, one in each Betul, Jhabua district.	

<b>Sr.No.</b>	<b>Date / Period</b>	<b>Area affected</b>	<b>Intensity</b>	<b>Casualties</b>	<b>Extent of damage</b>
436.	25 Sep.	Beed, Gondia, Thane (Maharashtra)		Total 4 persons died and 200 chickens perished.  Viz. Beed - 2 youths died in Gavrai taluka, Gondia - 200 chickens perished, Thane - 2 persons died in Shahapur, Murbad talukas.	
437.	26 Sep.	Anakapalli (Andhra Pradesh)		One person died.	
438.	26 Sep.	Korba (Chhattisgarh)		One person died and 3 others injured.	
439.	26 Sep.	Dhule, Wardha (Maharashtra)		Total 2 persons died and 2 others injured.  Viz. Dhule - 1 farmer died in Sakri taluka, Wardha - 1 woman died and 2 others injured in Selu taluka.	
440.	26 Sep.	Anuppur, Burhanpur, Dhar, Dindori, Shahdol (Madhya Pradesh)		Total 2 persons died, one in each Dhar, Dindori district. Also, other injured in Burhanpur district. While, 37 livestock perished, Viz. Anuppur - 2, Dindori - 34, Shahdol - 1.	

Sr.No.	Date / Period	Area affected	Intensity	Casualties	Extent of damage
441.	27 Sep.	Ashoknagar, Balaghat, Barwani, Chhatarpur, Chhindwara, Khandwa/East Nimar, Khargone/West Nimar, Jhabua, Mandla, Panna, Raisen, Seoni (Madhya Pradesh)		Total 8 persons died, Viz. Ashoknagar - 1, Chhatarpur - 2, Chhindwara - 1, Khandwa / East Nimar - 1, Jhabua - 1, Panna - 1, Seoni - 1. Also, 16 others injured, Viz. Chhatarpur - 3, Chhindwara - 2, Jhabua - 2, Mandla - 7, Seoni - 2. While, 29 livestock perished, Viz. Balaghat - 1, Barwani - 1, Chhatarpur - 11, Chhindwara- 2, Khandwa/East Nimar - 4, Khargone/West Nimar - 1, Mandla - 7, Raisen - 1, Seoni - 1.	
442.	27 Sep.	Udaipur (Rajasthan)		2 persons died.	
443.	27 Sep.	Fatehpur (Uttar Pradesh)		2 persons died and 4 others injured.	
444.	28 Sep.	Chhindwara, Khandwa/East Nimar, Jhabua, Mandsaur, Rajgarh, Sehore (Madhya Pradesh)		Total 3 persons died, one in each Chhindwara, Khandwa/East Nimar, Mandsaur district. While, 15 livestock perished, Viz. Chhindwara - 4, Khandwa /East Nimar - 1, Jhabua - 3, Rajgarh - 5, Sehore - 2.	
445.	29 Sep.	Sri Sathya Sai (Andhra Pradesh)		2 persons died and 2 livestock perished.	
446.	29 Sep.	Chhatarpur, Damoh (Madhya Pradesh)		One person died in Chhatarpur district. Also, other injured in Damoh district.	

Sr.No.	Date / Period	Area affected	Intensity	Casualties	Extent of damage
447.	30 Sep.	Chhatarpur (Madhya Pradesh)		One person died and 3 others injured.	
448.	2 Oct.	Bijapur (Chhattisgarh)		One 12-year-old boy died and 2 other girls injured in Dantewada.	
449.	3 Oct.	Bapatla, Cuddapah (Andhra Pradesh)		4 persons died.	
450.	2 Oct.	Jangaon, Warangal Urban/Hanumakonda (Telangana)		Total 4 persons died, Viz. Jangaon – 3, Warangal Urban / Hanumakonda – 1.	
451.	6 Oct.	Vijayanagara (Karnataka)		2 persons died.	
452.	6 Oct.	Warangal Rural (Telangana)		2 persons died.	
453.	6 Oct.	North 24 Parganas (West Bengal)		One person died	
454.	8 Oct.	Giridih (Jharkhand)		3 persons died and other injured.	
455.	8 Oct.	Howrah (West Bengal)		One person died	
456.	8 Oct.	Balasore, Cuttack (Odisha)		Total 5 persons died. Viz. Balasore - 2, Cuttack - 3.	
457.	9 Oct.	Mayurbhanj (Odisha)		2 persons died.	
458.	9 Oct.	Gumla, Latehar (Jharkhand)		Total 5 persons died. Viz. Gumla - 1, Latehar - 4.	
459.	9 Oct.	Balaghat, Dindori (Madhya Pradesh)		2 persons died and one livestock perished in Dindori district. While, 6 others injured in Balaghat district.	

<b>Sr.No.</b>	<b>Date / Period</b>	<b>Area affected</b>	<b>Intensity</b>	<b>Casualties</b>	<b>Extent of damage</b>
460.	10 Oct.	Raipur (Chhattisgarh)		One person died and 6 others injured.	
461.	10 Oct.	Betul (Madhya Pradesh)		One person died and 3 others injured.	
462.	12 Oct.	Khandwa/East Nimar (Madhya Pradesh)		2 livestock perished.	
463.	13 Oct.	Betul, Chhindwara (Madhya Pradesh)		Total 2 persons died, one in each district and 2 others injured in Chhindwara district.	
464.	14 Oct.	Palghar (Maharashtra)		7 persons injured in different incidences.	
465.	14 Oct.	Suryapet (Telangana)		One agricultural labourer died and a woman injured in Brundavanapuram.	
466.	14 Oct.	Jashpur (Chhattisgarh)		One woman died and 3 others injured in Ulkiya village.	
467.	18 Oct.	Tirupathi (Andhra Pradesh)		2 persons died.	
468.	18 Oct.	Suryapet (Telangana)		39 livestock including 30 goats and 9 sheep perished at Bodaladonna in Nereducherla mandal	
469.	19 Oct.	Amreli, Botad,Rajkot (Gujarat)		Total 7 persons died. Viz. Amreli - 5 farm workers in Ambaradi village of Lathi taluka, Botad - one 45-year-old farmer in Padvadar village, Rajkot - one 17-year-old student.	
470.	19 Oct.	Jalgaon (Maharashtra)		One 65-year-old farmer died in Pachora taluka.	

Sr.No.	Date / Period	Area affected	Intensity	Casualties	Extent of damage
471.	19 Oct.	Betul, Seoni (Madhya Pradesh)		One person died in Betul district and 3 others injured in Seoni district.	
472.	20 Oct.	Barwani, Betul (Madhya Pradesh)		One person died in Barwani district and 4 others injured in Betul district.	
473.	21 Oct.	Betul (Madhya Pradesh)		5 livestock perished.	
474.	21 Oct.	Koraput, Puri (Odisha)		Total 3 persons died. Viz. Koraput - 1, Puri - 2	
475.	21 Oct.	Tiruchirappalli/Trichy (Tamil nadu)		One 50-year-old woman farmer died at MR Palayam.	
476.	22 Oct.	Khammam (Telangana)		2 persons died in in Maddulapally village.	
477.	30 Oct.	East Godavari (Andhra Pradesh)		7 persons died.	
478.	1 Nov.	Pudukkottai (Tamil Nadu)		2 persons died in different incidences	
479.	2 Nov.	Pudukkottai, Tiruchirappalli (Tamil Nadu)		Total 3 persons died. Viz. Pudukkottai - 1, Tiruchirappalli - 2 persons including 17-year old boy died.	
480.	4 Nov.	Thiruvananthapuram (Kerala)		One 16-year-old boy died and other injured in Nedumangad.	
481.	5 Nov.	Dhenkanal, Keonjhar, Mayurbhanj (Odisha)		Total 3 persons died, one in each district.	
482.	6 Nov.	Rayagada (Odisha)		One person died.	

<b>Sr.No.</b>	<b>Date / Period</b>	<b>Area affected</b>	<b>Intensity</b>	<b>Casualties</b>	<b>Extent of damage</b>
483.	6 Nov.	Deoria (Uttar Pradesh)		One 5-year old girl died.	
484.	8 Nov.	Kozhikode (Kerala)		6 women MGNREGA workers injured at Kayanna, Perambra.	
485.	11 Nov.	Kurnool (Andhra Pradesh)		One person died.	
486.	13 Nov.	Kanyakumari (Tamil Nadu)		One fisherman died on high seas.	
487.	17 Nov.	Dakshina Kannada (Karnataka)		One 14-year-old boy died at Kedila village in Buntwal taluk.	
488.	3 Dec.	Nellore (Andhra Pradesh)		One person died.	
489.	5 Dec.	Khordha (Odisha)		One person died.	
490.	27 Dec.	Lalitpur, Mahoba, Pilibhit (Uttar Pradesh)		One person died in Pilibhit district. While, 5 others injured. Viz. Lalitpur - 1, Mahoba - 4.	
491.	28 Dec.	Khandwa/East Nimar, Vidisha (Madhya Pradesh)		One person died in Khandwa/East Nimar district, While, 2 others injured, one in each district.	

## सारिणी 16: गर्ज के साथ तूफान (थंडरस्टॉर्म) 2024

**TABLE 16: THUNDERSTORM 2024**

Sr.No.	Date / Period	Area affected	Intensity	Casualties	Extent of damage
1.	10 Feb.	Amravati, Yavatmal (Maharashtra)			Damage to crops reported.
2.	14 Feb.	Bhojpur (Bihar)		One person died.	
3.	21 Feb.	Hamirpur, Jaunpur (Uttar Pradesh)		Total 3 persons died. Viz. Hamirpur - 2, Jaunpur - 1.	
4.	26 Feb.	Akola, Buldhana (Maharashtra)			Damage to crops reported.
5.	1 Mar.	Shivpuri (Madhya Pradesh)		2 persons injured.	
6.	3 Mar.	Chamba (Himachal Pradesh)		One person died.	
7.	4 Mar.	Rewa (Madhya Pradesh)		6 goats perished.	
8.	16 Mar.	Nagpur (Maharashtra)			Damage to Wheat, Gram dal, Orange and vegetable crops reported.
9.	17 Mar.	Amravati, Gondia, Nagpur, Wardha, Washim, Yavatmal (Maharashtra)			i) Damage to Wheat, Gram dal, Cotton, Soyabean, Orange, Mango and vegetable crops reported. ii) Damage to roof of old age home reported.
10.	18 Mar.	Yavatmal (Maharashtra)			i) Aarni, Kalamb, Zari, Maregaon, Pusad taluka affected. ii) Damage to more than 130 houses reported.

Sr.No.	Date / Period	Area affected	Intensity	Casualties	Extent of damage
11.	18 Mar.	Balaghat (Madhya Pradesh)		One person injured.	
12.	19 Mar.	Amravati, Bhandara, Chandrapur, Gadchiroli, Gondia, Nagpur, Wardha (Maharashtra)			Damage to crops reported.
13.	19 Mar.	Aurangabad (Bihar)		One person died.	
14.	20 Mar.	Nalanda (Bihar)		One person died.	
15.	24 Mar.	South Tripura (Tripura)			Damage to 8 houses reported.
16.	25 Mar.	North Tripura (Tripura)			Damage to 4 houses reported.
17.	26 Mar.	Unakoti (Tripura)			Damage to 2 houses reported.
18.	29 Mar.	Buldhana, Washim (Maharashtra)			i) Damage to Wheat, Jawar, Gram dal, Onion, Mango crops reported. ii) Roofs/Tin sheets of houses blown away. iii) Damage to vehicles reported. iv) Trees, electric poles uprooted.
19.	29 Mar.	Una (Himachal Pradesh)		One 2-year-old girl died at Takka village.	Several trees uprooted which snapped electricity cables at many places, leading to power outage all parts of the district
20.	29 Mar.	Khargone/West Nimar, Vidisha (Madhya Pradesh)		Total 2 persons died and 2 others injured, one person in each district.	
21.	29 and 30 Mar.	Ludhiana, Muktsar (Punjab)			Damage wheat crop reported.

Sr.No.	Date / Period	Area affected	Intensity	Casualties	Extent of damage
22.	31 Mar.	Aurangabad, Rohtas (Bihar)		Total 2 persons died, one in each district.	
23.	31 Mar.	Imphal West, Thoubal (Manipur)			<ul style="list-style-type: none"> <li>i) Widespread damage to agricultural fields and livestock shelters reported.</li> <li>ii) Heavy damage to houses, properties and infrastructure reported.</li> </ul>
24.	31 Mar.	Dhalai, Gomati, Khowai, North Tripura, Sipahijala, South Tripura, Unakoti, West Tripura (Tripura)			<ul style="list-style-type: none"> <li>i) Damage to 938 houses reported.</li> <li>ii) Several trees and Electric poles uprooted.</li> </ul>
25.	31 Mar.	Alipurduar, Cooch Behar, Jalpaiguri (West Bengal)		5 persons died and more than 300 others injured in Jalpaiguri district.	<ul style="list-style-type: none"> <li>i) Damage to several acres of agricultural land and crops reported.</li> <li>ii) Damage to 800 houses, infrastructure reported</li> <li>iii) Damage to motorcycles and cars reported.</li> <li>iv) Several trees and Electric poles got uprooted.</li> </ul>
26.	31 Mar.	Cachar (Assam)		One 30-year-old person died in Rajghat village.	Damage to building reported.
27.	31 Mar. to 2 Apr.	Aizawl, Champhai, Kolasib, Saitual, Serchhip (Mizoram)		One 45-year-old woman died as a tree uprooted and fall on her on 1 Apr.	<ul style="list-style-type: none"> <li>i) Damage to more than 2,500 houses, schools and government buildings reported.</li> <li>ii) Damage to more than 800 structures, including 795 dwelling houses, seven schools, 6 churches, 8 Anganwadi centres, 11 staff quarters reported only in the hardest hit district Kolasib, followed by Aizawl district, which suffered a damage to 632 dwelling houses.</li> </ul>

Sr.No.	Date / Period	Area affected	Intensity	Casualties	Extent of damage
28.	1 to 9 Apr.	Morigaon, Udalguri, West Karbi Analog (Assam)		Total 3 persons died, one in each district.	<ul style="list-style-type: none"> <li>i) Damage to Rabi crops reported.</li> <li>ii) Extensive damage to houses reported.</li> <li>iii) Damage to infrastructure like Anganwadi centres, APDCL conductors, schools etc. reported.</li> <li>iv) Trees, electric poles uprooted.</li> </ul>
29.	9 Apr.	Amravati, Buldhana, Washim (Maharashtra)			<ul style="list-style-type: none"> <li>i) Damage to Wheat, Ground-nut, Gram dal, Mug, Onion, Oranges, Banana, other fruits, vegetable crops reported.</li> <li>ii) Trees, electric poles uprooted.</li> </ul>
30.	9 Apr.	Adilabad, Nirmal (Telangana)		Ox perished.	Damage to crops reported.
31.	10 Apr.	Akola, Amravati, Chandrapur, Chhatrapati Sambhajnagar/Aurangabad, Dharashiv / Osmanabad, Gondia, Jalna, Latur, Nagpur, Nanded, Parbhani, Wardha, Yavatmal (Maharashtra)			<ul style="list-style-type: none"> <li>i) Damage to more than 7800 hectares of Wheat, Jawar, Maize, Ground-nut, Gram dal, Sesam, Onion, Lemon, Mango, Oranges, Mellons, Banana, other fruits, vegetable crops reported.</li> <li>ii) Damage to several houses reported.</li> <li>iii) Several trees, electric poles uprooted.</li> </ul>
32.	11 Apr.	Amravati, Chandrapur, Gondia, Nagpur, Wardha, Washim, Yavatmal (Maharashtra)			<ul style="list-style-type: none"> <li>i) Damage to Wheat, Jawar, Maize, Ground-nut, Gram dal, Mug, Lemon, Mango, Oranges, Papayas, Mellons, Banana, Chikoo, other fruits, vegetable crops reported.</li> <li>ii) Damage to houses reported.</li> </ul>
33.	12 Apr.	Kaimur/Bhabua (Bihar)		2 persons died.	

Sr.No.	Date / Period	Area affected	Intensity	Casualties	Extent of damage
34.	12 Apr.	Buldhana, Nagpur, Yavatmal (Maharashtra)			i) Damage to Wheat, Jawar, Maize, Seasam, Onion, Garlic, Lemon, Tomato, Mango, Oranges, Mellons, vegetable crops reported. ii) Electric poles uprooted.
35.	12 Apr.	Mahbubnagar, Nagarkurnool, Nalgonda, Siddipet, Wanaparthy (Telangana)		3 women died.	Damage to harvested crops reported.
36.	13 Apr.	Amravati, Chandrapur, Gadchiroli (Maharashtra)			Damage to Wheat, Jawar, Maize, Onion, Mango, Oranges, Lemon, Banana, vegetable crops reported.
37.	14 Apr.	Dhalai (Tripura)			Damage to 3 houses reported.
38.	17 Apr.	Bongaigaon, Chirang, Golaghat, Hailakandi, Jorhat, Karbi Anglong, Udalguri (Assam)		Total 3 persons died. Viz. Bongaigaon - 1, Udalguri - 2. Also 2 cows perished.	i) 3926 populations of 70 villages of 14 revenue circles in 7 districts affected. ii) Damage to 8 houses fully and 926 houses partially reported.
39.	17 Apr.	Dhalai, Gomati, North Tripura, Unakoti, West Tripura (Tripura)			Damage to 318 houses reported.
40.	18 Apr.	Dhalai, Sipahijala (Tripura)			Damage to 104 houses reported.

Sr.No.	Date / Period	Area affected	Intensity	Casualties	Extent of damage
41.	19 to 22 Apr.	Adilabad, Kumuram, Bheem/Asifabad, Hyderabad, Kamareddy, Khammam, Mahabubabad, Mahbubnagar, Mancherial, Medak, Nalgonda, Narayanpet, Nirmal, Peddapalli, Rajanna Sircilla, Ranga Reddy, Sangareddy, Siddipet, Vikarabad, Wanaparthy, Yadari Bhuvanagiri (Telangana)		Total 5 livestock perished. Viz. Khammam - 3, Nirmal - 1, Siddipet - 1.	i) Damage to crops reported. ii) Damage to sheds reported. iii) Power interruption reported. iv) Trees uprooted.
42.	21 and 22 Apr.	Unakoti (Tripura)		One person injured.	Damage to 5 houses reported.
43.	22 Apr.	Nagpur, Wardha, Yavatmal (Maharashtra)		One woman died due to wall collapse in Wardha district.	i) Damage to Wheat, Jawar, Sesam, Cotton, Mango, Oranges, fruits, vegetable crops, flower orchard reported. ii) Damage to houses reported.
44.	23 and 24 Apr.	Bhandara, Buldhana, Washim (Maharashtra)			i) Damage to crops reported. ii) Damage to houses reported. iii) Trees/electric poles uprooted.
45.	26 Apr.	Gondia (Maharashtra)			i) Roofs of many houses blown away. ii) Large scale loss to farmers reported. iii) Heavy damage to raw Mangoes and Mahua flowers reported.

Sr.No.	Date / Period	Area affected	Intensity	Casualties	Extent of damage
46.	27 Apr.	North Tripura, Unakoti (Tripura)			Damage to 262 houses reported.
47.	28 Apr.	Namsai (Arunachal Pradesh)		One person died.	
48.	28 and 29 Apr.	Yavatmal (Maharashtra)			i) Damage to crops reported. ii) Damage to houses reported.
49.	2 May	Sipahijala (Tripura)			Damage to 416 houses reported.
50.	3 May	Gomati (Tripura)		One livestock perished.	Damage to 93 houses reported.
51.	4 May	Dhalai (Tripura)			Damage to 25 houses reported.
52.	5 May	North Tripura, South Tripura (Tripura)		One person injured in South Tripura district.	Damage to total 161 houses reported.
53.	5 May	Khammam, Mulugu, Nalgonda, Suryapet, Warangal Urban / Hanumakonda, Warangal Rural, Yadari Bhuvanagiri (Telangana)		One cow perished in Yadari Bhuvanagiri district.	i) Damage to crops reported. ii) Damage to houses reported. iii) Damage to electric poles reported.
54.	6 May	Nawada (Bihar)		One person died.	
55.	6 May	Nadia, Purba Bardhaman, Purulia, South 24 Parganas and parts of West Bengal (West Bengal)		Total 6 persons died. Viz. Nadia - 2 persons died due to wall collapses, South 24 Parganas - 1 died due to tree collapse, and remaining 3 died in parts of West Bengal.	

Sr.No.	Date / Period	Area affected	Intensity	Casualties	Extent of damage
56.	7 May	East Champaran/Purba Champaran, Gaya, Vaishali (Bihar)		Total 4 persons died. Viz. East Champaran / Purba Champaran - 1, Gaya - 2, Vaishali - 1.	
57.	7 May	Bhandara, Chandrapur, Gadchiroli, Gondia, Nagpur, Yavatmal (Maharashtra)			i) Damage to crops reported. ii) Traffic and power disruption reported. iii) Roofs blown away reported.
58.	8 May	East Champaran/Purba Champaran, Sheohar, Sitamarhi (Bihar)		Total 3 persons died, one in each district.	
59.	9 May	Araria, Bhagalpur, East Champaran/Purba Champaran, Gaya, Khagaria, Samastipur (Bihar)		Total 8 persons died. Viz. Araria - 1, Bhagalpur - 1, East Champaran/Purba Champaran - 3, Gaya - 1, Khagaria - 1, Samastipur - 1	
60.	9 May	Bhandara, Chandrapur, Gondia, Nagpur, Wardha, Yavatmal (Maharashtra)			i) Damage to crops reported. ii) power disruption reported. iii) Trees uprooted.
61.	10 May	South Delhi, West Delhi and parts of Delhi (Delhi)		Total 2 persons died and 23 others injured. Viz. South Delhi - 1 died in in Shaheen Bagh, West Delhi - 1 died in Vikaspuri KN Katju Marg. While, 23 persons injured in parts of Delhi.	i) Damage to several buildings reported. ii) Flight services affected. iii) Damage to several vehicles reported. iv) Trees uprooted.
62.	10 May	Gautam Buddha Nagar (Uttar Pradesh)			i) Damage to several vehicles reported. ii) Several trees uprooted.

Sr.No.	Date / Period	Area affected	Intensity	Casualties	Extent of damage
63.	11 May	Aurangabad, Buxar, Gaya, Jehanabad, Rohtas (Bihar)		Tital 8 persons died and 3 others injured. Viz. Aurangabad - 1, Buxar - 1, Gaya - 1, Jehanabad - 1, Rohtas - 4. While, 3 others injured in Rohtas district.	
64.	12 May	Rohtas (Bihar)		One person died.	
65.	12 May	Amravati, Buldhana, Wardha, Yavatmal (Maharashtra)			i) Damage to crops reported. ii) Damage to houses reported.
66.	12 May	Medak (Telangana)		2 persons died.	
67.	13 May	East Champaran/Purba Champaran (Bihar)		One person died.	
68.	13 May	Mumbai Suburban (Maharashtra)		16 persons died and 74 others injured due to billboard collapsed.	i) A huge billboard collapsed in the eastern neighbourhood of Ghatkopar. ii) Damage to 3 houses reported. iii) Damage to a gas station reported.
69.	13 May	Sitapur (Uttar Pradesh)		4 persons died in different incidences.	
70.	15 to 18 May	Akola, Amravati, Buldhana, Gadchiroli, Nagpur, Yavatmal (Maharashtra)			i) Damage to crops reported. ii) Power disruption reported. iii) Trees uprooted.

Sr.No.	Date / Period	Area affected	Intensity	Casualties	Extent of damage
71.	16 May	Banka, Bhagalpur, Munger (Bihar)		Total 3 persons died, one in each district.	
72.	19 May	Amravati (Maharashtra)		One person died due to wall collapsed.	i) Damage to crops reported. ii) Damage to house reported.
73.	20 May	Amravati (Maharashtra)			i) Damage to crops reported. ii) Damage to about 50 houses reported.
74.	21 May	Buxar (Bihar)		One person died.	
75.	22 May	Amravati, Yavatmal (Maharashtra)			i) Damage to crops reported. ii) Power disruption reported.
76.	25 May	Kumuram Bheem/Asifabad, Jagtial, Rajanna Sircilla, Siddipet, Vikarabad (Telangana)		One calf perished in Kumuram Bheem/Asifabad district.	i) Damage to crops reported. ii) Damage to houses reported. iii) Damage to electric poles reported.
77.	26 May	Amravati, Yavatmal (Maharashtra)			Damage to crops reported.
78.	26 May	Adilabad, Jogulamba Gadwal, Hyderabad, Kamareddy, Medak, Nagarkurnool, Nalgonda, Nizamabad, Siddipet, Vikarabad, Yadari Bhuvanagiri (Telangana)		Total 11 persons died and 4 others injured. Viz. Hyderabad - 4 died, Medak - 2 died, Nagarkurnool - 5 died and 4 others injured in different incidences. Also, 2000 chicken perished in Yadari Bhuvanagiri district.	i) Damage to crops reported. ii) Damage to houses reported. iii) Damage to vehicles reported. iv) Trees uprooted. v) Damage to electricity and communication towers reported.
79.	30 May	Jamui, Madhubani (Bihar)		Total 2 persons died, one in each district.	

Sr.No.	Date / Period	Area affected	Intensity	Casualties	Extent of damage
80.	2 Jun.	Bangalore Urban (Karnataka)		3 persons injured in different incidences from RR Nagar and Jayanagar.	i) Several trees uprooted. ii) Power outages reported.
81.	2 Jun.	Fatehpur, Kanpur Dehat/Ramabai Nagar, Maharajganj, Pratapgarh (Uttar Pradesh)		Total 7 persons died. Viz. Fatehpur - 1, Kanpur Dehat / Ramabai Nagar-1, Maharajganj - 1, Pratapgarh - 4.	
82.	2 Jun.	Almora (Uttrakhand)		One person died and 8 others injured in Ranikhet Tehsil.	Trees uprooted.
83.	5 Jun.	Araria, Sitamarhi, Supaul (Bihar)		Total 3 persons died, one in each district.	
84.	6 Jun.	Budaun /Badaun / Bhadohi, Hardoi (Uttar Pradesh)		Total 3 persons died and other injured. Viz.Budaun/Badaun/Bhadohi-2 died and 1 injured, Hardoi - 1 youth died due to tin-shed collapsed.	Damage to tin-shed reported.
85.	8 Jun.	Latur (Maharashtra)		One person died.	i) Damage to vehicles reported. ii) Damage to boards reported.
86.	10 Jun.	Gomati (Tripura)			Damage to 7 houses reported.
87.	11 Jun.	Akola, Buldhana (Maharashtra)		One 6-months old girl died in Deulgaon Ghube in Buldhana district.	i) Roofs of several houses blown away. ii) Partial damage to about 160 houses in Akola districts reported.
88.	16 Jun.	Araria (Bihar)		One person died.	

Sr.No.	Date / Period	Area affected	Intensity	Casualties	Extent of damage
89.	17 Jun.	Amravati, Nagpur, Wardha, Yavatmal (Maharashtra)		3 cattle heads perished in Nagpur.	i) Tin roofs blown away. ii) Damage to houses/sheds including 25 houses in Kartol, Nagpur reported. iii) Damage to vehicles reported. iv) Trsse / Electric poles uprooted.
90.	18 Jun.	Narsinghpur, Sheopur (Madhya Pradesh)		One livestock perished in Sheopur district.	Damage to houses reported.
91.	19 Jun.	Bahraich, Balrampur, Budaun /Badaun/ Bhadohi, Kheri, Sitapur (Uttar Pradesh)		Total 8 persons died. Viz. Bahraich - 1, Balrampur - 1, Budaun/Badaun/Bhadohi - 2, Kheri - 3, Sitapur - 1.	Damage to houses reported.
92.	20 Jun.	Kaimur/Bhabua (Bihar)		One person died.	
93.	21 Jun.	Darbhanga, Gaya (Bihar)		Total 2 persons died, one in each district.	
94.	22 Jun.	Lakhisarai (Bihar)		One person died.	
95.	23 Jun.	Basti (Uttar Pradesh)		One person died due to branch of tree fell on him.	
96.	24 Jun.	Buxar, Rohtas (Bihar)		Total 4 persons died. Viz. Buxar - 3, Rohtas - 1.	
97.	25 Jun.	Aurangabad, Munger (Bihar)		Total 2 persons died, one in each district.	
98.	26 Jun.	Araria, Rohtas (Bihar)		Total 2 persons died, one in each district.	

Sr.No.	Date / Period	Area affected	Intensity	Casualties	Extent of damage
99.	27 Jun.	Aurangabad, East Champaran/Purba Champaran, Kaimur/Bhabua (Bihar)		Total 4 persons died. Viz. Aurangabad - 2, East Champaran / Purba Champaran - 1, Kaimur/Bhabua - 1.	
100.	29 Jun.	Aurangabad, Bhojpur, Buxar, Rohtas (Bihar)		Total 5 persons died. Viz. Aurangabad - 2, Bhojpur - 1, Buxar - 1, Rohtas - 1.	
101.	1 Jul.	Bhagalpur, Darbhanga, East Champaran/ Purba Champaran (Bihar)		Total 3 persons died, one in each district.	
102.	2 Jul.	Muzaffarpur (Bihar)		One person died.	
103.	4 Jul.	Begusarai (Bihar)		One person died.	
104.	5 Jul.	Begusarai, Bhagalpur, Purnia, Saharsa, Vaishali (Bihar)		Total 7 persons died. Viz. Begusarai - 2, Bhagalpur - 1, Purnia -1,Saharsa - 1,Vaishali - 2.	
105.	6 Jul.	Bhojpur, Gopalganj, Jamui, Patna, Rohtas, Saran (Bihar)		Total 9 persons died. Viz. Bhojpur - 1, Gopalganj - 1, Jamui - 3, Patna - 1, Rohtas - 2, Saran - 1.	
106.	7 Jul.	Aurangabad (Bihar)		One person died.	
107.	8 Jul.	Buxar, East Champaran/ Purba Champaran, Kaimur/Bhabua (Bihar)		Total 3 persons died, one in each district.	

Sr.No.	Date / Period	Area affected	Intensity	Casualties	Extent of damage
108.	8 Jul.	Akola (Maharashtra)		One person died.	i) Damage to houses and shops reported. ii) Damage to bridge reported. iii) Damage to electric wires reported.
109.	9 Jul.	Bhojpur, Gaya, Kaimur/Bhabua, Rohtas (Bihar)		Total 10 persons died. Viz. Bhojpur - 4, Gaya - 2, Kaimur/Bhabua - 1, Rohtas - 3.	
110.	10 Jul.	Banka, Bhojpur, Gaya, Jehanabad, Kaimur/Bhabua, Lakhisarai, Madhubani, Munger, Nalanda, Patna, Rohtas, Saran, Siwan, Supaul, West Champaran / Pachim Champaran (Bihar)		Total 25 persons died. Viz. Banka - 3, Bhojpur - 1, Gaya - 1, Jehanabad - 1, Kaimur/Bhabua - 3, Lakhisarai - 2, Madhubani - 1, Munger - 1, Nalanda - 1, Patna - 4, Rohtas - 2, Saran - 1, Siwan - 2, Supaul - 1, West Champaran / Pachim Champaran - 1	
111.	11 Jul.	Begusarai, Gaya, Nalanda, Patna, Purnia (Bihar)		Total 10 persons died. Viz. Begusarai - 1, Gaya - 2, Nalanda - 3, Patna - 3, Purnia - 1.	
112.	12 Jul.	Gaya, Jehanabad, Saran (Bihar)		Total 4 persons died. Viz. Gaya - 2, Jehanabad - 1, Saran - 1.	
113.	13 Jul.	Begusarai, Gaya (Bihar)		Total 4 persons died. Viz. Begusarai - 3, Gaya - 1.	
114.	14 Jul.	Saran (Bihar)		One person died.	
115.	19 Jul.	Siwan (Bihar)		One person died.	
116.	21 Jul.	Jamui (Bihar)		One person died.	

Sr.No.	Date / Period	Area affected	Intensity	Casualties	Extent of damage
117.	25 Jul.	Jehanabad (Bihar)		2 persons died.	
118.	30 Jul.	Rohtas (Bihar)		One person died.	
119.	31 Jul.	Aurangabad, Gaya, Jehanabad, Nalanda, Nawada, Patna, Rohtas, Saran (Bihar)		Total 14 persons died. Viz. Aurangabad - 3, Gaya - 2, Jehanabad - 1, Nalanda - 2, Nawada - 1, Patna - 1, Rohtas - 2, Saran - 2.	
120.	1 Aug.	Aurangabad, Gaya, Jamui, Patna, Saran (Bihar)		Total 10 persons died. Viz. Aurangabad - 1, Gaya - 5, Jamui - 1, Patna - 2, Saran - 1.	
121.	2 Aug.	Jamui (Bihar)		One person died.	
122.	3 Aug.	Banka, Munger (Bihar)		Total 2 persons died, one in each district.	
123.	4 Aug.	Banka (Bihar)		One person died.	
124.	6 Aug.	Aurangabad, Begusarai, Jamui, Patna, Purnia (Bihar)		Total 5 persons died, one in each district.	
125.	7 Aug.	Gaya, Nawada (Bihar)		Total 8 persons died. Viz. Gaya - 2, Nawada - 6	
126.	9 Aug.	Aurangabad, Buxar, Gaya, Jamui, Patna (Bihar)		Total 7 persons died. Viz. Aurangabad - 1, Buxar - 2, Gaya - 2, Jamui - 1, Patna - 1.	
127.	10 Aug.	Begusarai, Nawada, Samastipur (Bihar)		Total 3 persons died, one in each district.	

<b>Sr.No.</b>	<b>Date / Period</b>	<b>Area affected</b>	<b>Intensity</b>	<b>Casualties</b>	<b>Extent of damage</b>
128.	11 Aug.	Purnia (Bihar)		One person died.	
129.	13 Aug.	Banka, Muzaffarpur (Bihar)		Total 4 persons died. Viz. Banka - 3, Muzaffarpur - 1.	
130.	14 Aug.	Gaya (Bihar)		One person died.	
131.	16 Aug.	Jamui (Bihar)		2 persons died.	
132.	17 Aug.	Kaimur/Bhabua (Bihar)		One person died.	
133.	18 Aug.	Nalanda (Bihar)		One person died.	
134.	23 Aug.	Gaya (Bihar)		One person died.	
135.	24 Aug.	Gaya (Bihar)		2 persons died.	
136.	29 Aug.	Gaya, Munger, Samastipur (Bihar)		Total 6 persons died. Viz. Gaya - 2, Munger - 1, Samastipur - 3	
137.	31 Aug.	Muzaffarpur (Bihar)		One person died.	
138.	4 Sep.	Aurangabad, Katihar, Rohtas (Bihar)		Total 3 persons died, one in each district.	
139.	5 Sep.	Kaimur/Bhabua (Bihar)		5 persons died.	
140.	8 Sep.	Araria, Sheikhpura (Bihar)		Total 4 persons died. Viz. Araria - 3, Sheikhpura - 1.	

Sr.No.	Date / Period	Area affected	Intensity	Casualties	Extent of damage
141.	10 Sep.	Jehanabad, Kaimur/Bhabua (Bihar)		Total 2 persons died, one in each district.	
142.	11 Sep.	Jamui (Bihar)		2 persons died.	
143.	12 Sep.	Begusarai, Muzaffarpur, West Champaran / Pachim Champaran (Bihar)		Total 5 persons died. Viz. Begusarai -1,Muzaffarpur - 2, West Champaran/Pachim Champaran - 2.	
144.	14 Sep.	Darbhanga (Bihar)		One person died.	
145.	28 Sep.	Darbhanga, Kaimur/Bhabua (Bihar)		Total 4 persons died. Viz. Darbhanga - 3, Kaimur/Bhabua - 1.	
146.	30 Sep.	Banka, Vaishali (Bihar)		Total 3 persons died. Viz. Banka - 1, Vaishali - 2	
147.	8 Oct.	Munger, Sheikhpura (Bihar)		Total 2 persons died, one in each district.	
148.	9 Oct.	Bhojpur (Bihar)		One person died.	
149.	14 Oct.	Sangareddy, Siddipet (Telangana)		Total 2 persons died, one in each district.	
150.	17 Oct.	Jagtial (Telangana)		One person died.	
151.	18 Oct.	Mahbubnagar, Ranga Reddy, Suryapet (Telangana)		One woman died in Mahbubnagar district. While, total 62 livestock perished, viz. Ranga Reddy - 23 goats, Suryapet - 39 goats.	
152.	21 Oct.	Bhadrari Kothagudem, Siddipet (Telangana)		Total 2 persons died, one in each district. While, 2 cows perished in Siddipet district.	

## सारिणी 17: ओलावृष्टि 2024

TABLE 17: HAILSTORM 2024

Sr.No.	Date / Period	Area affected	Intensity	Casualties	Extent of damage
1.	10 Feb.	Amravati, Nagpur, Wardha, Yavatmal (Maharashtra)	Heavy		Damage to cotton, wheat, gram, tur crops reported.
2.	11 Feb.	Bhandara, Chandrapur, Wardha, Yavatmal (Maharashtra)	Heavy		Extensive damage to Wheat, Gram, Mug, Udad, vegetable crops reported.
3.	11 Feb.	Balaghat, Dindori, Jabalpur, Mandla, Seoni, Umaria (Madhya Pradesh)	Heavy		Damage to Wheat and pulses crops reported.
4.	12 Feb.	Anuppur, Satna, Singrauli (Madhya Pradesh)	Heavy		Damage to Wheat and pulses crops reported.
5.	13 Feb.	Chhatarpur, Katni, Panna, Rewa, Sidhi (Madhya Pradesh)	Heavy		Damage to Wheat and pulses crops reported.
6.	13 Feb.	Chandauli, Jaunpur (Uttar Pradesh)	Heavy		Damage to crops reported.
7.	15 Feb.	Amravati (Maharashtra)	Heavy		Heavy losses in orange orchards reported.
8.	15 Feb.	Betul, Chhindwara (Madhya Pradesh)	Heavy		Damage to Wheat and pulses crops reported.
9.	20 Feb.	Banda, Chitrakoot, Fatehpur, Hamirpur, Jalaun, Mahoba (Uttar Pradesh)	Heavy		Damage to crops reported.

Sr.No.	Date / Period	Area affected	Intensity	Casualties	Extent of damage
10.	21 Feb.	Chhatarpur, Gwalior, Shajapur (Madhya Pradesh)	Heavy		Damage to Wheat and pulses crops reported.
11.	1 Mar.	Ashoknagar, Chhatarpur, Datia, Guna, Niwari, Shivpuri, Tikamgarh (Madhya Pradesh)	Heavy		Damage to crops including wheat, gram, lentils, mustard reported.
12.	3 Mar.	Farrukhabad, Jalaun, Jhansi, Kannauj, Kanpur Dehat/Ramabai Nagar, Lalitpur, Lucknow, Muzaffarnagar, Saharanpur, Shahjahanpur, Sitapur (Uttar Pradesh)	Heavy		Damage to crops reported.
13.	16 to 21 Mar.	Rajanna Sircilla (Telangana)	Heavy		Damage to 1014.06 acers of crops reported.
14.	17 Mar.	Nagpur, Wardha, Washim (Maharashtra)	Heavy		Damage to Wheat, Cotton, Soyabean, Gram dal, Orange and vegetable crops reported.
15.	17 Mar.	Sangareddy (Telangana)	Heavy		Damage to Mango, Jowar crops reported.
16.	18 Mar.	Yavatmal (Maharashtra)	Heavy	One person died and 12 livestock perished. In Darava taluka.	
17.	19 Mar.	Chandrapur (Maharashtra)	Heavy		Damage to crops reported.
18.	20 Mar.	Mancherial (Telangana)	Heavy		Damage to Maize crops reported.

Sr.No.	Date / Period	Area affected	Intensity	Casualties	Extent of damage
19.	23 Mar.	Dhalai, Gomati, Khowai, North Tripura, Sipahijala, South Tripura, Unakoti, West Tripura (Tripura)	Heavy		Damage to more than 10,000 houses reported.
20.	26 Mar.	Senapati (Manipur)	Heavy		i) Widespread devastation reported. ii) Extensive damage to crops including vegetables, fruits reported. iii) Extensive damage to houses reported.
21.	30 Mar.	Chhindwara, Seoni, Umaria (Madhya Pradesh)	Heavy		Damage to crops reported.
22.	9 Apr.	Amravati, Washim (Maharashtra)	Heavy		Damage to Wheat, Jawar, Gram dal, Onion, Orange, Banana, Mango, vegetable crops, etc. reported.
23.	10 Apr.	Amravati (Maharashtra)	Heavy		i) Damage to 12,000 hectares of cropland reported. ii) Damage to Wheat, Orange crops reported.
24.	7 Apr.	Jalpaiguri (West Bengal)	Heavy		i) Maximum damage at Byakandi and Bakjan located in Moynaguri gram panchayat reported. ii) Damage to vegetables reported. iii) Damage to tin roofs of about 500 houses reported.
25.	11, 12 Apr.	Buldhana (Maharashtra)	Heavy		Damage to Wheat, Jawar, Season, Onion, Papaya, Orange, Melon, Banana, Mango, Lemon, Tomato, Bringal, vegetable crops, etc. reported.

<b>Sr.No.</b>	<b>Date / Period</b>	<b>Area affected</b>	<b>Intensity</b>	<b>Casualties</b>	<b>Extent of damage</b>
26.	16 Apr.	Kullu, Shimla (Himachal Pradesh)	Heavy		Damage to Apple orchards reported.
27.	19 Apr.	Karnal (Haryana)	Heavy		Damage to crops reported.
28.	20 Apr.	Shopian (Jammu and Kashmir)	Heavy		i) Thairan, Dangerpora, Mooli, Trenz, Mohandpora and other villages affected. ii) Heavy damage to fruit orchards including the buds and flowers reported.
29.	22 Apr.	Yavatmal (Maharashtra)	Heavy		Damage to crops reported.
30.	22 Apr.	Adilabad (Telangana)	Heavy		Damage to crops reported.
31.	23 Apr.	Akola, Buldhana (Maharashtra)	Heavy	One woman died and 2 livestock perished in Buldhana district.	Damage to crops and Orchard reported.
32.	24 Apr.	Washim (Maharashtra)	Heavy		Damage to vegetables and fruits reported.
33.	28 Apr.	Dhalai, North Tripura, Unakoti (Tripura)	Heavy		Damage to more than 3937 houses reported.
34.	2 May	North Tripura (Tripura)	Heavy		Damage to more than 6 houses reported.
35.	4 May	Bhadrari Kothagudem (Telangana)	Heavy		Damage to crops reported.
36.	5 May	Cachar (Assam)	Heavy		2 villages very badly affected.

<b>Sr.No.</b>	<b>Date / Period</b>	<b>Area affected</b>	<b>Intensity</b>	<b>Casualties</b>	<b>Extent of damage</b>
37.	5 May	Bishnupur, Chandel, Churachandpur, Imphal East, Imphal West, Jiribam, Kakching, Kamjong, Kangpokpi /Sadar Hills, Noney, Pherzawl, Tamenglong, Tengnoupal, Thoubal, Ukhrul (Manipur)	Heavy	Several birds perished.	<ul style="list-style-type: none"> <li>i) Significant yield of losses in Agriculture, a vital sector in Manipur reported.</li> <li>ii) Damage to 15,425 houses including about 5600 houses in Imphal West, 6053 in Imphal East, 1171 in Bishnupur, 800 in Thoubal, 120 in Kakching, 540 in Churachandpur, 292 in Kangpokpi, 275 in Tengnoupal, 200 in Ukhrul, 130 in Tamenglong, 120 in Noney, 100 in Kamjong and 16 in Chandel district reported.</li> <li>iii) Significant extensive damage to property, infrastructure reported.</li> <li>iv) Trees uprooted.</li> </ul>
38.	5 May	Dhalai, Gomati, Khowai (Tripura)	Heavy		Damage to more than 1032 houses reported.
39.	6 May	Dhalai (Tripura)	Heavy		Damage to more than 52 houses reported.
40.	6 May	Nagarkurnool (Telangana)	Heavy		<ul style="list-style-type: none"> <li>i) Damage to crops reported.</li> <li>ii) Damage to house reported.</li> </ul>
41.	8 May	Kiphire (Nagaland)	Heavy		Damage to approximately 30 acers of crops reported.
42.	12 May	Hamirpur, Sirmaur (Himachal Pradesh)	Heavy		<ul style="list-style-type: none"> <li>i) Damage to crops reported.</li> <li>ii) Damage to about 15 per cent of the mango crop in Hamirpur reported.</li> </ul>
43.	14 May	Amravati (Maharashtra)	Heavy		Damage to crops and Orchard reported.

<b>Sr.No.</b>	<b>Date / Period</b>	<b>Area affected</b>	<b>Intensity</b>	<b>Casualties</b>	<b>Extent of damage</b>
44.	18 May	Rajanna Sircilla (Telangana)	Heavy		Damage to crops reported.
45.	20 May	Amravati (Maharashtra)	Heavy		Damage to crops and Orchard reported.
46.	6 Jun.	Kupwara (Jammu and Kashmir)	Heavy		Significant damage to Apple, Walnut, Cherry, vegetable crops and orchards reported.
47.	7 Jun.	Pulwama, Shopian (Jammu and Kashmir)	Heavy		Damage to hundreds of apple farms reported.
48.	13 Jun.	Medak (Telangana)	Heavy	Chicks perished.	Damage to poultry farm reported.
49.	2 Sep.	Shopian (Jammu and Kashmir)	Heavy		Substantial damage to Apple cultivators, fruits in several villages reported.

**सारिणी 18: बाढ और भारी बारिश 2024**  
**TABLE 18: FLOODS AND HEAVY RAINS 2024**

Sr.No.	Date / Period	Area affected	Intensity [River(s)]	Casualties	Extent of damage
<b>STATES</b>					
<b>ANDHRA PRADESH</b>					
1.	19 to 20 Jul.	Alluri Sitharama Raju, Anakapalli, East Godavari, Eluru, Kakinada, Krishna, Konaseema, Ntr, Srikakulam, West Godavari	Heavy Rains and Floods	Total 5 persons died. Viz. Alluri Sitharama Raju- 2, Anakapalli - 1, East Godavari - 1, Konaseema - 1. While, total 93 animals perished. Viz.Alluri Sitharama Raju-20, Anakapalli - 5, East Godavari - 1, Eluru - 31, Krishna - 1, Konaseema - 35.	i) 43,469 hectares of agricultural crops and 4305.19 hectares of horticultural crops reported. ii) 228847 populations of 591 villages of 96 mandalas affected. iii) 722 houses fully, 588 houses partially and 158 huts damaged. iv) Damage to irrigation sources, roads, electric poles, etc. reported.
2.	31 Aug.	Krishna	Landslide	5 persons died, 4 others injured in Vijayawada.	Landslide at Moghalrajpuram in Vijayawada reported.
3.	1 to 10 Sep.	Alluri Sitharama Raju, Anakapalli, Bapatla, East Godavari, Eluru, Guntur, Kakinada, Konaseema, Krishna, Ntr, Palnadu, Parvathipuram Manyam, Prakasam, Srikakulam, Vishakhapatnam, Vizianagaram, West Godavari	Heavy Rains, Floods and Landslide	Total 75 persons died. Viz. Alluri Sitharama Raju- 5, Anakapalli - 3, East Godavari - 1, Eluru - 2, Guntur - 8, Kakinada - 2, Konaseema - 3, Krishna - 2, Ntr - 47, Palnadu - 1, Srikakulam - 1. Also, 1562 livestock perished.	i) Damage to public and private property reported. ii) Damage to more than 1.81 lakh hectares of agriculture crops and over 19,686 hectares of horticulture crops reported. iii) As many as 2,05,194 farmers affected. iv) More than 6.4 lakhs people affected v) 48,528 people shifted to 246 relief camps.

Sr.No.	Date / Period	Area affected	Intensity [River(s)]	Casualties	Extent of damage
4.	14 to 18 Oct.	Ananthapur, Annamayya, Bapatla, Chittoor, Cuddapah, East Godavari, Kakinada, Krishna, Kurnool, Nandyal, Nellore, Prakasam, Tirupathi	Heavy Rains and Floods	Total 24 animals perished. Viz. Annamayya - 3, Nellore - 10, Prakasam - 1, Tirupathi - 10.	<ul style="list-style-type: none"> <li>i) Damage to 12902 hectares of agricultural area and 4305.19 hectares of horticultural area reported.</li> <li>ii) 2854 populations of 122 villages of 53 mandalas affected.</li> <li>iii) Damage to 60 houses or huts fully/partially reported.</li> <li>iv) Damage to irrigation sources, roads, electric poles, etc. reported.</li> </ul>

**ARUNACHAL  
PRADESH**

1.	4 Apr.	Siang	Heavy Rains	One woman died in Pangin village.	
2.	24 Apr.	Anjaw, Dibang Valley, East Kameng	Flash Floods, Landslides		<ul style="list-style-type: none"> <li>i) Damage to houses reported.</li> <li>ii) Damage to NH313 at New anaya, kano village reported.</li> </ul>
3.	25 Apr.	Dibang valley	Massive landslide		<ul style="list-style-type: none"> <li>i) Major portion of a Roing Anini highway between Hunli and Anini that connected with China's border and also which is the only route that linked Dibhang Valley district with rest of India washed away,</li> <li>ii) Road connectivity with Dibang valley disrupted.</li> </ul>
4.	28 Apr.	East Kameng	Flash Flood		Damage to about 1.2 hectares of paddy fields reported.
5.	18 May	Upper Subansiri	Landslide		Damage to one pacca and one kacha house reported.

Sr.No.	Date / Period	Area affected	Intensity [River(s)]	Casualties	Extent of damage
6.	28 May	Changlang	Landslide		Damage to main water pipeline of changlang township reported.
7.	31 May	Kurung Kumey	Landslide		i) Damage to houses reported. ii) Damage to Kurung bridge near Parsi-Parlo circle reported.
8.	5 Jun.	Kra Daadi, Papum Pare	Landslides		i) Landslides in Yapap Bogu and Lingdum Village of Kra Daadi district and Gumto village of Papum Pare reported. ii) Damage to houses reported.
9.	6 Jun.	Kra Daadi	Landslide		Severe damage to one RCC building reported.
10.	17 Jun.	Papum Pare, Tirap	Flash Flood and Landslide		i) Damage to road, RCC wall reported. ii) Damage to houses reported.
11.	18 Jun.	Itanagar, Longding, Papum Pare	Landslides		i) Damage to roads reported. ii) Damage to houses reported. iii) Damage to vehicles reported.
12.	19 Jun.	Kra Daadi	Landslide		Damage to 10 hectares of Paddy field reported.
13.	20 Jun.	East Kameng, West Siang	Landslides	One person injured due to tree collapsed in East Kameng district.	i) Damage to drinking water supply reported. ii) Trees uprooted.
14.	24 Jun.	Lepa Rada	Flash Flood		Damage to 90 hectares of crops reported.
15.	25 Jun.	East Kameng, Lepa Rada, Upper Subansiri	Flash Flood and Landslide		i) Damage to school buildings, roads, bridge reported. ii) Damage to house reported.

Sr.No.	Date / Period	Area affected	Intensity [River(s)]	Casualties	Extent of damage
16.	29 Jun.	West Siang	Landslide		Damage to drinking water supply in Aalo township reported.
17.	30 Jun.	Anjaw, Changlang, East Kameng, Kurung Kumey, Lower Dibang Valley, Namsai	Flash Floods and Landslides	Many animals perished in Changlang district.	<ul style="list-style-type: none"> <li>i) Damage to 64.535 hectares of crops reported.</li> <li>ii) Tea garden inundated.</li> <li>iii) Damage to huts reported.</li> <li>iv) 2 LMV Vehicle drowned in the flood.</li> <li>v) Damage to roads, bridge reported.</li> <li>vi) Network service, drinking water services disrupted.</li> </ul>
18.	1 Jul.	Changlang, East Kameng, Itanagar, Kra Daadi, Kurung Kumey, Lepa Rada, Lohit, Longding, Lower Dibang Valley, Namsai, West Kameng	Flash Floods and Landslides	3 persons injured in Itanagar district. Whilw, 14 livestock perished in East Kameng district	<ul style="list-style-type: none"> <li>i) Damage to 286 kutcha/packa houses/huts, shops reported.</li> <li>ii) Damage to vehicles reported.</li> <li>iii) Damaged roads, water supply pipe line, bridge, Electric Substation reported.</li> </ul>
19.	2 Jul.	Itanagar, Kamle, Kra Daadi, Lower Dibang Valley, Siang	Flash Floods and Landslides		<ul style="list-style-type: none"> <li>i) Damage to 55.46 hectares of fields including paddy fields, forest and agricultural land reported.</li> <li>ii) Damage to 8 houses, restaurant reported.</li> <li>iii) Damage to water pipe line, roads reported.</li> </ul>
20.	3 Jul.	Kra Daadi, Lower Subansiri, Namsai, Tawang, West Kameng	Flash Floods and Landslides		<ul style="list-style-type: none"> <li>i) Damage to about 120 hectares of crops including agricultural and Horticultural crops, Banana, Papaya, Bamboo, Orange reported.</li> <li>ii) Damage to 2 houses reported.</li> <li>iii) Damage to roads, circuit house to indoor club, electric poles, etc. reported.</li> </ul>

Sr.No.	Date / Period	Area affected	Intensity [River(s)]	Casualties	Extent of damage
21.	4 Jul.	East Kameng, Kra Daadi, Lepa Rada, Longding, West Siang	Landslides		Damage to more than 10 kutcha/packa houses/huts reported.
22.	5 Jul.	Itanagar, Longding, Shi Yomi	Landslides	One person died in Shi-Yomi district.	i) Damage to houses reported. ii) Damage to 11 KV line reported.
23.	7 Jul.	East Kameng	Flash Flood (Kameng River)		Hanging bridge washed away.
24.	8 Jul.	Kamle, Kra Daadi, Longding, Tawang	Landslides		i) Damage to 4 hectares of Bamboo and orange Garden reported. ii) Damage to about 10 kutcha/packa houses/huts Teachers Quarter reported.
25.	10 Jul.	Dibang Valley, Kra Daadi, Tawang	Flash Floods and Landslides		Damage to about 10 kutcha/packa houses/huts Teachers Quarter reported.
26.	11 Jul.	Kra Daadi, Kurung Kumey	Landslides		i) Damage to 46 Electric poles, water supply pipes reported. ii) Damage to 5 houses reported.
27.	12 Jul.	East Kameng, Kra Daadi, Longding, Tawang, West Siang	Flash Floods and Landslides		i) Damage to 33 hectares of Paddy fields, orange and bamboo garden, etc. reported. ii) Damage to water supply reported. iii) Damage to 6 kutcha/packa houses/huts reported.
28.	13 Jul.	Kurung Kumey, Tirap	Landslides		i) Damage to paddy field reported. ii) Damage to water supply pipeline, a house reported.

Sr.No.	Date / Period	Area affected	Intensity [River(s)]	Casualties	Extent of damage
29.	17 Jul.	Kra Daadi, Papum Pare, Tirap, Upper Subansiri	Landslides		i) Damage to 3 hectares of Bamboo and Banana garden reported. ii) Damage to 7 kutcha/packa houses/huts reported.
30.	22 Jul.	Kra Daadi, Papum Pare	Flash Floods and Landslides		i) Damage to about 18 hectares of Paddy field, bamboo garden reported. ii) Damage to bridge reported.
31.	24 Jul.	Papum Pare	Flash Floods		Damage to 25 hectares of standing Paddy crop at Balijan, Doimukh Yupia Circle reported.
32.	28 Jul.	East Kameng	Heavy Rains	One person died.	
33.	31 Jul.	East Kameng	Flash Flood	One person drowned at Saria village.	
34.	1 Aug.	Upper Subansiri	Landslide		Damage to 8 acres of cardamom field reported.
35.	6 Aug.	Changlang	Landslide		Damage to more than 6 hectares of crops reported.
36.	7 Aug.	Kurung Kumey	Flash Flood (Langa River)	One person drowned.	
37.	11 Aug.	Longding	Landslide		Damage to houses reported.
38.	13 Aug.	West Kameng	Flash Flood		i) Damage to Horticulture nursery and crops reported. ii) Vehicle washed away.
39.	4 Oct.	Lower Subansiri	Flash Flood	4 livestock perished.	Damage to some household items reported.

Sr.No.	Date / Period	Area affected	Intensity [River(s)]	Casualties	Extent of damage
40.	6 Oct.	West Kameng	Landslide		i) Complete damage to 2 dwelling pucca houses reported. ii) Damage to some public property reported.
41.	9 Oct.	Itanagar	Heavy Rains	4 persons died and 3 others injured.	Damage to boundry wall reported.
<b>ASSAM</b>					
1.	31 Mar.	Bongaigaon, Jorhat, Kamrup Rural, South Salmara Mankachar	Heavy Rains	One 4-year-old child died in South Salmara Mankachar district.	i) Damage in the International Airport at state capital Guwahati reported. ii) Heavy damage reported in Bongaigaon and Jorhat districts.
2.	28 May	Cachar, Golaghat, Hailakandi, Hojai, Karbi Analog, Karimganj, Nagaon, West Karbi Analog	Heavy Rains	One person died in Karimganj district and 2 person missing in Cachar district.	i) Damage to 336 hectares of crops reported. ii) 41719 populations of 143 villages of 8 districts of 16 revenue circles affected. iii) Damage to 95 houses reported. iv) 227060 animals affected.
3.	29 May	Cachar, Dima Hasao/N.C Hills, Golaghat, Hailakandi, Hojai, Karbi Analog, Karimganj, Nagaon, West Karbi Analog	Heavy Rains	One person died in Hailakandi district.	i) Damage to 3238.8 hectares of crops reported. ii) 198856 populations of 386 villages of 9 districts of 22 revenue circles affected. iii) Damage to 887 houses reported. iv) 234535 animals affected.
4.	30 May	Cachar, Dhemaji, Dibrugarh, Dima Hasao / N.C Hills, Golaghat, Hailakandi, Hojai, Karbi Anglong, Karimganj, Nagaon, West Karbi Analog	Heavy Rains	Total 6 persons died. Viz. Cachar - 3, Hailakandi -2, West Karbi Analog -1.	i) Damage to 4931 hectares of crops reported. ii) 349045 populations of 560 villages of 11 districts of 25 revenue circles affected. iii) Damage to 250 houses reported. iv) 1023063 animals affected.

Sr.No.	Date / Period	Area affected	Intensity [River(s)]	Casualties	Extent of damage
5.	31 May	Cachar, Dibrugarh, Dima Hasao / N.C Hills, Golaghat, Hailakandi, Hojai, Karimganj, Morigaon, Nagaon, West Karbi Analog	Heavy Rains	Total 3 persons died, one from each. Cachar, Hailakandi, Karimganj district.	<ul style="list-style-type: none"> <li>i) Damage to 4878.5 hectares of crops reported.</li> <li>ii) 601642 populations of 597 villages of 10 districts of 25 revenue circles affected.</li> <li>iii) Damage to 4375 houses reported.</li> <li>iv) 202925 animals affected.</li> </ul>
6.	1 Jun.	Cachar, Dhemaji, Dibrugarh, Dima Hasao/N.C Hills, Golaghat, Hailakandi, Hojai, Kamrup Metro, Karimganj, Morigaon, Nagaon, South Salmara-Mankachar, West Karbi Analog	Heavy Rains and Floods	Total 3 persons died. Viz. Cachar - 2 children, Nagaon - 1	<ul style="list-style-type: none"> <li>i) Damage to 8143.75 hectares of crops reported.</li> <li>ii) 535246 populations of 564 villages of 13 districts of 28 revenue circles affected.</li> <li>iii) 104042 animals affected.</li> </ul>
7.	2 Jun.	Cachar, Dhemaji, Dibrugarh, Dima Hasao/N.C Hills, Golaghat, Hailakandi, Hojai, Karimganj, Morigaon, Nagaon, West Karbi Analog	Heavy Rains and Floods	4 persons including 2 children died in Cachar district.	<ul style="list-style-type: none"> <li>i) Damage to 6023.18 hectares of crops reported.</li> <li>ii) 625318 populations of 577 villages of 11 districts of 24 revenue circles affected.</li> <li>iii) 83062 animals affected.</li> </ul>
8.	3 Jun.	Cachar, Dhemaji, Dibrugarh, Dima Hasao/N.C Hills, Hailakandi, Hojai, Karimganj, Morigaon, Nagaon, West Karbi Analog	Heavy Rains and Floods	Total 6 persons died. Viz. Cachar - 5, Nagaon -1. Total 301 animals perished. Viz. Cachar - 300 Poultry birds perished, Nagaon - 1 big animal perished.	<ul style="list-style-type: none"> <li>i) Damage to 7866.08 hectares of crops reported.</li> <li>ii) 423323 populations of 459 villages of 10 districts of 23 revenue circles affected.</li> <li>iii) 45968 animals affected.</li> </ul>

Sr.No.	Date / Period	Area affected	Intensity [River(s)]	Casualties	Extent of damage
9.	4 Jun.	Cachar, Dima Hasao/N.C Hills, Hailakandi, Hojai, Karimganj, Morigaon, Nagaon, West Karbi Analog	Heavy Rains and Floods	One person died in Cachar district.	<ul style="list-style-type: none"> <li>i) Damage to 5055.6 hectares of crops reported.</li> <li>ii) 246813 populations of 375 villages of 8 districts of 19 revenue circles affected.</li> <li>iii) Damage to houses and cattle -sheds reported.</li> <li>iv) 32246 animals affected.</li> </ul>
10.	17 Jun.	Biswanath, Bongaigaon, Chirang, Darrang, Dhemaji, Goalpara, Hailakandi, Hojai, Karimganj, Kokrajhar, Lakhimpur, Nagaon, Nalbari, Tamulpur, Udalguri	Heavy Rains and Floods	One person died in Hailakandi district.	<ul style="list-style-type: none"> <li>i) Damage to 1378.64 hectares of crops reported.</li> <li>ii) 161209 populations of 470 villages of 15 districts of 28 revenue circles affected.</li> <li>iii) 93895 animals affected.</li> </ul>
11.	18 Jun.	Karimgan	Landslide	5 persons died at Gainachora (Bendargool) village.	Damage to the house reported.
12.	19 Jun.	Bajali, Baksa, Barpeta, Biswanath, Bongaigaon, Cachar, Darrang, Goalpara, Hailakandi, Hojai, Kamrup Metro, Kamrup Rural, Karimganj, Kokrajhar, Lakhimpur, Nagaon, Nalbari, Sonitpur, South Salmara-Mankachar, Tamulpur, Udalguri, West Karbi Analog	Heavy Rains and Floods	One person died and other one missing in Udalguri district.	<ul style="list-style-type: none"> <li>i) Damage to 6424.83 hectares of crops reported.</li> <li>ii) 409356 populations of 1311 villages of 22 districts of 67 revenue circles affected.</li> <li>iii) 354393 animals affected.</li> <li>iv) Damage to houses and cattle sheds reported.</li> </ul>

Sr.No.	Date / Period	Area affected	Intensity [River(s)]	Casualties	Extent of damage
13.	20 Jun.	Bajali, Baksa, Barpeta, Biswanath, Bongaigaon, Cachar, Darrang, Dhubri, Goalpara, Hailakandi, Hojai, Kamrup Metro, Kamrup Rural, Karimganj, Nagaon, Nalbari, South Salmara-Mankachar, Tamulpur, Udalguri	Heavy Rains and Floods	One person died in Udalguri district and other one missing in Barpeta district.	<ul style="list-style-type: none"> <li>i) Damage to 4347.86 hectares of crops reported.</li> <li>ii) 390491 populations of 1325 villages of 19 districts of 50 revenue circles affected.</li> <li>iii) 421710 animals affected.</li> <li>iv) Damage to 499 houses and 23 cattle sheds reported.</li> </ul>
14.	21 Jun.	Bajali, Barpeta, Cachar, Darrang, Goalpara, Hojai, Kamrup Metro, Kamrup Rural, Karimganj, Nagaon, Nalbari, Udalguri	Heavy Rains and Floods	Total 2 persons died, one each from Bajali and Barpeta districts.	<ul style="list-style-type: none"> <li>i) Damage to 3995.33 hectares of crops reported.</li> <li>ii) 263452 populations of 1027 villages of 12 districts of 33 revenue circles affected.</li> <li>iii) 220546 animals affected.</li> </ul>
15.	23 Jun.	Bajali, Barpeta, Cachar, Darrang, Goalpara, Hojai, Kamrup Rural, Karimganj, Nagaon	Heavy Rains and Floods	One person died in Cachar district.	<ul style="list-style-type: none"> <li>i) Damage to 2273.44 hectares of crops reported.</li> <li>ii) 170377 populations of 641 villages of 9 districts of 21 revenue circles affected.</li> <li>iii) 213847 animals affected.</li> <li>iv) Damage to 13 houses/huts partially/fully reported.</li> </ul>
16.	24 Jun.	Barpeta, Cachar, Darrang, Dhemaji, Goalpara, Golaghat, Kamrup Rural, Karimganj, Nagaon	Heavy Rains and Floods	One child died in Cachar district.	<ul style="list-style-type: none"> <li>i) Damage to 1547.35 hectares of crops reported.</li> <li>ii) 153960 populations of 556 villages of 9 districts of 19 revenue circles affected.</li> <li>iii) 196404 animals affected.</li> <li>iv) Damage to 125 houses/huts partially/fully and 76 cattle sheds reported.</li> </ul>

Sr.No.	Date / Period	Area affected	Intensity [River(s)]	Casualties	Extent of damage
17.	26 Jun.	Barpeta, Cachar, Darrang, Dhemaji, Kamrup Rural, Karimganj, Lakhimpur	Heavy Rains and Floods	7 animals perished in Barpeta district.	<ul style="list-style-type: none"> <li>i) Damage to 693.57 hectares of crops reported.</li> <li>ii) 115557 populations of 419 villages of 7 districts of 15 revenue circles affected.</li> <li>iii) 139060 animals affected.</li> </ul>
18.	27 Jun.	Barpeta, Cachar, Dhemaji, Kamrup Rural, Karimganj	Heavy Rains and Floods	One person died in Barpeta district.	<ul style="list-style-type: none"> <li>i) Damage to 683.02 hectares of crops reported.</li> <li>ii) 107385 populations of 383 villages of 5 districts of 14 revenue circles affected.</li> <li>iii) 831933 animals affected.</li> <li>iv) Damage to 277 houses/huts partially and 17 cattle sheds reported.</li> </ul>
19.	29 Jun.	Cachar, Dhemaji, Dibrugarh, Golaghat, Jorhat, Kamrup Rural, Karimganj, Kokrajhar, Lakhimpur, Majuli, Sivasagar/Sibsagar, Tinsukia	Heavy Rains and Floods	2 children died in Dhemaji district.	<ul style="list-style-type: none"> <li>i) Damage to 6546.44 hectares of crops reported.</li> <li>ii) 262186 6 populations of 671 villages of 12 districts of 36 revenue circles affected.</li> <li>iii) 149009 animals affected.</li> <li>iv) Damage to 6 cattle sheds reported.</li> </ul>
20.	30 Jun.	Biswanath, Cachar, Darrang, Dhemaji, Dibrugarh, Golaghat, Jorhat, Kamrup Rural, Karimganj, Lakhimpur, Majuli, Morigaon, Nagaon, Nalbari, Sivasagar/Sibsagar, Sonitpur, Tamulpur, Tinsukia, Udalguri	Heavy Rains and Floods	One person died in Tinsukia district, one person missing in Golaghat district and 3 livestock perished in Majuli district.	<ul style="list-style-type: none"> <li>i) Damage to 26199.18 hectares of crops reported.</li> <li>ii) 644128 populations of 1275 villages of 19 districts of 64 revenue circles affected.</li> <li>iii) 485736 animals affected.</li> <li>iv) Damage to 4 houses/huts partially/fully reported.</li> </ul>

Sr.No.	Date / Period	Area affected	Intensity [River(s)]	Casualties	Extent of damage
21.	1 Jul.	Barpeta, Biswanath, Bongaigaon, Cachar, Charaideo, Chirang, Darrang, Dhemaji, Dibrugarh, Goalpara, Golaghat, Hojai, Jorhat, Kamrup Metro, Kamrup Rural, Karbi Anglong, Karimganj, Kokrajhar, Lakhimpur, Majuli, Morigaon, Nagaon, Nalbari, Sivasagar /Sibsagar, Sonitpur, Tamulpur, Tinsukia, Udalguri	Heavy Rains and Floods	Total 3 persons died, Viz. Dhemaji - 1, Tinsukia - 2. One person missing from Biswanath district. While, 27 livestock perished, Viz. Cachar - 6, Lakhimpur - 2, Majuli - 13, Morigaon - 6.	<ul style="list-style-type: none"> <li>i) Damage to 42476.18 hectares of crops reported.</li> <li>ii) 1134446 populations of 2208 villages of 28 districts of 84 revenue circles affected.</li> <li>iii) 832099 animals affected.</li> <li>iv) Damage to 6 houses and 11 cattle sheds reported.</li> </ul>
22.	2 Jul.	Barpeta, Biswanath, Bongaigaon, Cachar, Charaideo, Chirang, Darrang, Dhemaji, Dhubri, Dibrugarh, Goalpara, Golaghat, Hailakandi, Hojai, Jorhat, Kamrup Metro, Kamrup Rural, Karbi Anglong, Karimganj, Lakhimpur, Majuli, Morigaon, Nagaon, Nalbari, Sivasagar / Sibsagar, Sonitpur, South Salmarā-Mankachar, Tinsukia, West Karbi Analog	Heavy Rains and Floods	Total 8 persons died, Viz. Biswanath - 1, Darrang - 1, Dibrugarh - 1, Golaghat - 1, Morigaon - 1, Sonitpur - 2, Tinsukia - 1. Total 3 persons missing, one each from Golaghat, Sivasagar/Sibsagar and Sonitpur. While, 110 livestock perished, Viz. Golaghat - 86, Lakhimpur - 1, Majuli - 23.	<ul style="list-style-type: none"> <li>i) Damage to 39451.51 hectares of crops reported.</li> <li>ii) 1625089 populations of 2800 villages of 29 districts of 105 revenue circles affected.</li> <li>iii) 1120165 animals affected.</li> <li>iv) Damage to 53 houses/huts partially/fully and 14 cattle sheds reported.</li> </ul>

Sr.No.	Date / Period	Area affected	Intensity [River(s)]	Casualties	Extent of damage
23.	3 Jul.	Barpeta, Biswanath, Bongaigaon, Cachar, Charaideo, Darrang, Dhemaji, Dhubri, Dibrugarh, Goalpara, Golaghat, Hailakandi, Hojai, Jorhat, Kamrup Metro, Kamrup Rural, Karbi Anglong, Karimganj, Kokrajhar, Lakhimpur, Majuli, Morigaon, Nagaon, Nalbari, Sivasagar / Sibsagar, Sonitpur, South Salmara-Mankachar, Tinsukia, West Karbi Analog	Heavy Rains and Floods	Total 6 persons died, Viz. Charaideo - 1, Dibrugarh - 1, Golaghat - 4. While, 98 livestock perished, Viz. Golaghat - 2, Karimganj - 4, Majuli - 91, Nagaon - 1	<ul style="list-style-type: none"> <li>i) Damage to 57018.29 hectares of crops reported.</li> <li>ii) 2113204 populations of 3208 villages of 29 districts of 107 revenue circles affected.</li> <li>iii) 1459806 animals affected.</li> <li>iv) Damage to 306 houses/huts partially/fully and 11 cattle sheds reported.</li> </ul>
24.	4 Jul.	Barpeta, Biswanath, Bongaigaon, Cachar, Charaideo, Chirang, Darrang, Dhemaji, Dhubri, Dibrugarh, Goalpara, Golaghat, Hailakandi, Hojai, Jorhat, Kamrup Metro, Kamrup Rural, Karbi Anglong, Karimganj, Kokrajhar, Lakhimpur, Majuli, Morigaon, Nagaon, Nalbari, Sivasagar/Sibsagar, Sonitpur, South Salmara-Mankachar, Tinsukia, West Karbi Analog	Heavy Rains and Floods	Total 8 persons died, Viz. Cachar - 1, Dhemaji - 1, Dhubri- 2, Goalpara -1, Nalbari - 2, Sivasagar/Sibsagar - 1. While, Total 84 livestock perished, Viz. Biswanath - 9, Cachar - 3, Golaghat - 69, Nagaon - 1, Sivasagar/Sibsagar - 2.	<ul style="list-style-type: none"> <li>i) Damage to 63490.97 hectares of crops reported.</li> <li>ii) 2420722 populations of 3518 villages of 30 districts of 112 revenue circles affected.</li> <li>iii) 1528226 animals affected.</li> <li>iv) Damage to more than 100 houses/huts partially/fully and 1 cattle shed reported.</li> </ul>

Sr.No.	Date / Period	Area affected	Intensity [River(s)]	Casualties	Extent of damage
25.	5 Jul.	Barpeta, Biswanath, Bongaigaon, Cachar, Charaideo, Chirang, Darrang, Dhemaji, Dhubri, Dibrugarh, Goalpara, Golaghat, Hailakandi, Hojai, Jorhat, Kamrup Metro, Kamrup Rural, Karbi Anglong, Karimganj, Kokrajhar, Lakhimpur, Majuli, Morigaon, Nagaon, Nalbari, Sivasagar/Sibsagar, Sonitpur, South Salmara-Mankachar, Tinsukia	Heavy Rains and Floods	Total 6 persons died, Viz. Charaideo - 2, Goalpara - 1, Morigaon - 1, Sonitpur - 1, Tinsukia - 1. While, 9 livestock perished, Viz. Golaghat - 5, Nagaon - 3, Sivasagar/Sibsagar - 1.	i) Damage to 68768.5 hectares of crops reported. ii) 2396648 populations of 3535 villages of 29 districts of 107 revenue circles affected. iii) 1549161 animals affected. iv) Damage to 71 houses/huts partially/fully and 5 cattle sheds reported.
26.	6 Jul.	Barpeta, Biswanath, Bongaigaon, Cachar, Charaideo, Chirang, Darrang, Dhemaji, Dhubri, Dibrugarh, Goalpara, Golaghat, Hailakandi, Hojai, Jorhat, Kamrup Metro, Kamrup Rural, Karimganj, Kokrajhar, Lakhimpur, Majuli, Morigaon, Nagaon, Nalbari, Sivasagar / Sibsagar, Sonitpur, South Salmara-Mankachar, Tinsukia	Heavy Rains and Floods	Total 8 persons died, Viz. Cachar - 1, Dhemaji - 1, Dhubri - 2, Goalpara -1, Nalbari- 2, Sivasagar/Sibsagar-1. While, 214 livestock perished, Viz. Barpeta - 1, Dibrugarh - 9, Golaghat - 142, Majuli - 22, Morigaon - 1, Nagaon - 39.	i) Damage to 68432.75 hectares of crops reported. ii) 2274289 populations of 3446 villages of 28 districts of 97 revenue circles affected. iii) 1563426 animals affected. iv) Damage to 224 houses/huts partially/fully and 42 cattle sheds reported.

Sr.No.	Date / Period	Area affected	Intensity [River(s)]	Casualties	Extent of damage
27.	7 Jul.	Barpeta, Biswanath, Bongaigaon, Cachar, Charaideo, Chirang, Darrang, Dhemaji, Dhubri, Dibrugarh, Goalpara, Golaghat, Hailakandi, Jorhat, Kamrup Metro, Kamrup Rural, Karimganj, Kokrajhar, Lakhimpur, Majuli, Morigaon, Nagaon, Nalbari, Sivasagar/Sibsagar, Sonitpur, South Salmara-Mankachar, Tinsukia	Heavy Rains and Floods	Total 6 persons died, Viz. Dhubri - 2, Goalpara - 1, Golaghat - 1, Sivasagar / Sibsagar - 1, Sonitpur - 1. While, one livestock perished in Charaideo district.	<ul style="list-style-type: none"> <li>i) Damage to 49014.06 hectares of crops reported.</li> <li>ii) 1880783 populations of 3154 villages of 27 districts of 91 revenue circles affected.</li> <li>iii) 1518606 animals affected.</li> <li>iv) Damage to 27 houses and 6 cattle sheds reported.</li> </ul>
28.	8 Jul.	Barpeta, Biswanath, Cachar, Charaideo, Chirang, Darrang, Dhemaji, Dhubri, Dibrugarh, Goalpara, Golaghat, Hailakandi, Jorhat, Kamrup Metro, Kamrup Rural, Karimganj, Kokrajhar, Lakhimpur, Majuli, Morigaon, Nagaon, Nalbari, Sivasagar/Sibsagar, Sonitpur, South Salmara-Mankachar, Tinsukia	Heavy Rains and Floods	Total 7 persons died, Viz. Cachar - 2, Dhemaji - 1, Dhubri - 1, Nagaon - 1, Sivasagar/Sibsagar - 1, South Salmara-Mankachar-1. One person missing in Dibrugarh district. While, 20 livestock perished, Viz. Dibrugarh - 15, Morigaon - 1, Nagaon - 1, Sivasagar/Sibsagar-3.	<ul style="list-style-type: none"> <li>i) Damage to 39870.3 hectares of crops reported.</li> <li>ii) 1717599 populations of 2779 villages of 26 districts of 90 revenue circles affected.</li> <li>iii) 13668297 animals affected.</li> <li>iv) Damage to 38 houses/huts partially/fully and 5 cattle sheds reported.</li> </ul>

Sr.No.	Date / Period	Area affected	Intensity [River(s)]	Casualties	Extent of damage
29.	9 Jul.	Barpeta, Biswanath, Bongaigaon, Cachar, Charaideo, Chirang, Darrang, Dhemaji, Dhubri, Dibrugarh, Goalpara, Golaghat, Hailakandi, Jorhat, Kamrup Metro, Kamrup Rural, Karimganj, Kokrajhar, Lakhimpur, Majuli, Morigaon, Nagaon, Nalbari, Sivasagar/Sibsagar, Sonitpur, South Salmara-Mankachar, Tinsukia	Heavy Rains and Floods	Total 5 persons died, one each from Cachar, Dhemaji, Dhubri, Dibrugarh, South Salmara-Mankachar district. While, 25 livestock perished, Viz. Dibrugarh - 3, Golaghat - 4, Karimganj - 18.	<ul style="list-style-type: none"> <li>i) Damage to 39898.92 hectares of crops reported.</li> <li>ii) 1438906 populations of 2580 villages of 27 districts of 86 revenue circles affected.</li> <li>iii) 1128398 animals affected.</li> <li>iv) Damage to 139 houses and 5 cattle sheds reported.</li> </ul>
30.	10 Jul.	Barpeta, Biswanath, Bongaigaon, Cachar, Charaideo, Chirang, Darrang, Dhemaji, Dhubri, Dibrugarh, Goalpara, Golaghat, Hailakandi, Jorhat, Kamrup Metro, Kamrup Rural, Karimganj, Kokrajhar, Lakhimpur, Majuli, Morigaon, Nagaon, Nalbari, Sivasagar/Sibsagar, South Salmara-Mankachar, Tinsukia	Heavy Rains and Floods	Total 211 livestock perished, Viz. Cachar - 203, Dibrugarh - 10, Nagaon - 8.	<ul style="list-style-type: none"> <li>i) Damage to 39133.57 hectares of crops reported.</li> <li>ii) 1399949 populations of 2545 villages of 26 districts of 83 revenue circles affected.</li> <li>iii) 986253 animals affected.</li> <li>iv) Damage to 139 houses and 5 cattle sheds reported.</li> </ul>

Sr.No.	Date / Period	Area affected	Intensity [River(s)]	Casualties	Extent of damage
31.	11 Jul.	Barpeta, Biswanath, Bongaigaon, Cachar, Chirang, Darrang, Dhemaji, Dhubri, Dibrugarh, Goalpara, Golaghat, Hailakandi, Jorhat, Kamrup Metro, Kamrup Rural, Karimganj, Lakhimpur, Majuli, Morigaon, Nagaon, Nalbari, Sivasagar/Sibsagar, South Salmara-Mankachar, Tinsukia	Heavy Rains and Floods	Total 7 persons died, Viz. Goalpara - 5, Jorhat - 1, Nagaon - 1. While, 4 livestock perished in Dhemaji district.	<ul style="list-style-type: none"> <li>i) Damage to 32924.32 hectares of crops reported.</li> <li>ii) 1233236 populations of 2406 villages of 24 districts of 75 revenue circles affected.</li> <li>iii) 667175 animals affected.</li> <li>iv) Damage to more than 11,000 houses/huts partially/fully and 804 cattle sheds reported.</li> </ul>
32.	12 Jul.	Barpeta, Biswanath, Cachar, Chirang, Darrang, Dhemaji, Dhubri, Dibrugarh, Goalpara, Golaghat, Hailakandi, Jorhat, Kamrup Metro, Kamrup Rural, Karimganj, Majuli, Morigaon, Nagaon, Nalbari, Sivasagar/Sibsagar, South Salmara-Mankachar	Heavy Rains and Floods	One person died in Dhemaji district. While, 3 livestock perished in Sivasagar/Sibsagar district.	<ul style="list-style-type: none"> <li>i) Damage to 29386.66 hectares of crops reported.</li> <li>ii) 840051 populations of 1705 villages of 21 districts of 65 revenue circles affected.</li> <li>iii) 503450 animals affected.</li> <li>iv) Damage to 2610 houses and 124 cattle sheds reported.</li> </ul>
33.	13 Jul.	Biswanath, Cachar, Chirang, Darrang, Dhemaji, Dhubri, Dibrugarh, Goalpara, Golaghat, Jorhat, Kamrup Metro, Kamrup Rural, Karimganj, Majuli, Morigaon, Nagaon, Nalbari, Sivasagar/Sibsagar	Heavy Rains and Floods	2 persons died in Karimganj district. While, 232 livestock perished, Viz. Cachar - 3, Nagaon - 222, Karimganj - 7.	<ul style="list-style-type: none"> <li>i) Damage to 25367.61 hectares of crops reported.</li> <li>ii) 597604 populations of 1342 villages of 18 districts of 52 revenue circles affected.</li> <li>iii) 283712 animals affected.</li> <li>iv) Damage to 6667 houses and 13 cattle sheds reported.</li> </ul>

Sr.No.	Date / Period	Area affected	Intensity [River(s)]	Casualties	Extent of damage
34.	14 Jul.	Biswanath, Cachar, Darrang, Dhemaji, Dhubri, Dibrugarh, Goalpara, Golaghat, Jorhat, Kamrup Metro, Kamrup Rural, Karimganj, Majuli, Morigaon, Nagaon, Nalbari, Sivasagar/Sibsagar	Heavy Rains and Floods	Total 3 persons died, Viz. Dhubri - 2, Nagaon - 1.	<ul style="list-style-type: none"> <li>i) Damage to 21236.46 hectares of crops reported.</li> <li>ii) 511120 populations of 1132 villages of 17 districts of 49 revenue circles affected.</li> <li>iii) 247648 animals affected.</li> <li>iv) Damage to 1021 houses and 97 cattle sheds reported.</li> </ul>
35.	15 Jul.	Biswanath, Cachar, Dhemaji, Dhubri, Dibrugarh, Goalpara, Golaghat, Hailakandi, Kamrup Metro, Kamrup Rural, Karimganj, Majuli, Morigaon, Nagaon, Nalbari, Sivasagar/Sibsagar	Heavy Rains and Floods	One person died in Dhemaji district. While, 6 livestock perished. Viz. Golaghat - 2, Nagaon - 1, Sivasagar/Sibsagar - 3.	<ul style="list-style-type: none"> <li>i) Damage to 19724.05 hectares of crops reported.</li> <li>ii) 404128 populations of 1021 villages of 16 districts of 49 revenue circles affected.</li> <li>iii) 2081191 animals affected.</li> <li>iv) Damage to 171 houses reported.</li> </ul>
36.	18 Jul.	Cachar, Dhemaji, Dhubri, Dibrugarh, Goalpara, Golaghat, Kamrup Metro, Kamrup Rural, Karbi Anglong, Karimganj, Morigaon, Nagaon, Sivasagar / Sibsagar	Heavy Rains and Floods	One person missing and one livestock perished from Sivasagar/Sibsagar district.	<ul style="list-style-type: none"> <li>i) Damage to 10228.36 hectares of crops reported.</li> <li>ii) 207114 populations of 572 villages of 13 districts of 32 revenue circles affected.</li> <li>iii) 77582 animals affected.</li> <li>iv) Damage to 335 houses and 168 cattle sheds reported.</li> </ul>
37.	21 Jul.	Biswanath, Cachar, Dhemaji, Dibrugarh, Goalpara, Golaghat, Hojai, Jorhat, Kamrup Rural, Morigaon, Nagaon, Sivasagar / Sibsagar	Heavy Rains and Floods	One person died in Dhemaji district.	<ul style="list-style-type: none"> <li>i) Damage to 4528.36 hectares of crops reported.</li> <li>ii) 82443 populations of 247 villages of 12 districts of 23 revenue circles affected.</li> <li>iii) 11993 animals affected.</li> <li>iv) Damage to 335 houses and 168 cattle sheds reported.</li> </ul>

Sr.No.	Date / Period	Area affected	Intensity [River(s)]	Casualties	Extent of damage
38.	31 Jul.	Dhemaji, Golaghat, Jorhat, Karbi Anglong, Nagaon, Sivasagar / Sibsagar	Heavy Rains and Floods	6106 animals perished in Nagaon district.	<ul style="list-style-type: none"> <li>i) Damage to 3926.9 hectares of crops reported.</li> <li>ii) 19451 populations of 157 villages of 6 districts of 15 revenue circles affected.</li> <li>iii) 12056 animals affected.</li> </ul>
39.	4 Aug.	Dhemaji, Golaghat, Sivasagar/Sibsagar	Heavy Rains and Floods	One person died in Golaghat district.	<ul style="list-style-type: none"> <li>i) Damage to 739.5 hectares of crops reported.</li> <li>ii) 7690 populations of 80 villages of 3 districts of 9 revenue circles affected.</li> <li>iii) 2474 animals affected.</li> <li>iv) Damage to 37 houses/huts partially/fully and 39 cattle sheds reported.</li> </ul>
40.	12 Aug.	Charaideo, Darrang, Dhemaji, Dibrugarh, Golaghat, Sivasagar / Sibsagar, Tamulpur, Udalguri	Heavy Rains and Floods	One person died in Charaideo district. While 50 livestock perished in Udalguri district.	<ul style="list-style-type: none"> <li>i) Damage to 7444.2 hectares of crops reported.</li> <li>ii) 37736 populations of 208 villages of 8 districts of 20 revenue circles affected.</li> <li>iii) 11249 animals affected.</li> </ul>
41.	13 Aug.	Charaideo, Darrang, Dhemaji, Dibrugarh, Golaghat, Sivasagar / Sibsagar, Tamulpur, Udalguri	Heavy Rains and Floods	Total 2 persons died, one from each Charaideo, Dibrugarh district.	<ul style="list-style-type: none"> <li>i) Damage to 7425.86 hectares of crops reported.</li> <li>ii) 44375 populations of 188 villages of 8 districts of 20 revenue circles affected.</li> <li>iii) 13247 animals affected.</li> <li>iv) Damage to 4013 houses/huts partially/fully and 2470 cattle sheds reported.</li> </ul>

<b>Sr.No.</b>	<b>Date / Period</b>	<b>Area affected</b>	<b>Intensity [River(s)]</b>	<b>Casualties</b>	<b>Extent of damage</b>
42.	16 Aug.	Charaideo, Dhemaji, Dibrugarh, Golaghat, Sivasagar/Sibsagar	Heavy Rains and Floods	2 persons died in Charaideo district.	<ul style="list-style-type: none"> <li>i) Damage to 6437.5 hectares of crops reported.</li> <li>ii) 56604 populations of 111 villages of 5 districts of 8 revenue circles affected.</li> <li>iii) 16238 animals affected.</li> <li>iv) Damage to 57697 houses/huts partially/fully and 87 cattle sheds reported.</li> </ul>
43.	18 Aug.	Charaideo, Dhemaji, Golaghat, Karbi Anglong, Sivasagar / Sibsagar	Heavy Rains and Floods	One person died in Sivasagar/Sibsagar district.	<ul style="list-style-type: none"> <li>i) Damage to 5795.5 hectares of crops reported.</li> <li>ii) 57415 populations of 88 villages of 5 districts of 7 revenue circles affected.</li> <li>iii) 18620 animals affected.</li> </ul>
44.	20 Aug.	Charaideo, Dhemaji, Golaghat, Karimganj, Nagaon, Sivasagar/Sibsagar	Heavy Rains and Floods	One person died in Charaideo district.	<ul style="list-style-type: none"> <li>i) Damage to 3552.5 hectares of crops reported.</li> <li>ii) 65648 populations of 93 villages of 6 districts of 8 revenue circles affected.</li> <li>iii) 26351 animals affected.</li> <li>iv) Damage to 13 houses/huts partially/fully and 3 cattle sheds reported.</li> </ul>

Sr.No.	Date / Period	Area affected	Intensity [River(s)]	Casualties	Extent of damage
<b>BIHAR</b>					
1.	18 Sep.	Saran	Heavy Rains	2 children died and other injured due to wall collapsed.	The boundary wall of a Kathia Baba temple, Rupganj, collapsed.
2.	23 to 27 Sep.	Araria, Banka, Begusarai, Bhagalpur, Buxar, Bhojpur, East Champaran/Purba Champaran, Kaimur, Katihar, Khagaria, Lakhisarai, Madhepura, Munger, Patna, Samastipur, Saran, Saharsa, Sheikhpura, Vaishali, West Champaran/Pachim Champaran	Heavy Rains and Floods	Total 45 persons died. Viz. Araria - 1, Banka - 1, Begusarai - 2, Bhagalpur- 4, Katihar - 2, Khagaria - 1, Lakhisarai - 1, Madhepura - 2, Munger - 4, Samastipur - 2, Saharsa - 1, Vaishali - 2 While, 22 persons died and 6 persons missing from parts of Bihar.	i) Damage to several houses reported. ii) Approximately 17.57 lakh people across 402 villages in 68 blocks severely affected.
<b>CHHATTISGARH</b>					
1.	13 Jun.	Surguja	Heavy Rains	2 persons died in different incidences.	
2.	20 Jul.	Balod	Heavy Rains	One person died.	
3.	28 Jul.	Bijapur, Koriya	Heavy Rains	Total 2 persons died, one in each district.	
<b>GOA</b>					
1.	7 Jul.	North Goa	Heavy Rains	3 labourers died due to wall collapsed at Kundaim Industrial Estate.	
2.	8 Jul.	North Goa	Heavy Rains	2 persons including a 70-year-old woman and her 51-year-old son died due to wall collapsed in Mandur village near Panaji.	Damage to a house reported.
3.	12 Jul.	North Goa, South Goa	Heavy Rains and Floods		i) Agricultural fields submerged. ii) Damage to more than 2500 hecatres of crops in north Goa district and 1000 hacters of crops in South Goa district including especially Paddy fields reported.

Sr.No.	Date / Period	Area affected	Intensity [River(s)]	Casualties	Extent of damage
<b>GUJARAT</b>					
1.	25 to 29 Aug.	Ahmedabad, Aravalli, Dahod, Devbhumi Dwarka, Gandhinagar, Jamnagar, Kheda/Khera, Kutch, Mahisagar, Narmada, Navsari, Panchmahal, Rajkot, Surat, Tapi, Vadodara, Valsad	Heavy Rains and Floods	Total 28 persons died, 4 others missing and 23 injured. Also several livestock perished.	<ul style="list-style-type: none"> <li>i) Damage to infrastructure reported.</li> <li>ii) More than 8 million people badly affected.</li> <li>iii) Around 18,000 of people evacuated and shifted to safer places.</li> </ul>
<b>HARYANA</b>					
1.	31 Jul.	Gurugram	Heavy Rains	3 persons died.	<ul style="list-style-type: none"> <li>i) Damage to electric pole/wires reported.</li> <li>ii) Trees uprooted.</li> </ul>
2.	9 Aug.	Sirsa	Heavy Rains	2 persons died and 4 others injured.	Damage to roof reported.
3.	13 Aug.	Yamunanagar	Heavy Rains		Damage to 2 houses reported.
4.	4 Sep.	Panchkula	Heavy Rains	3 persons died due to wall of brick kiln collapsed.	
5.	14 Sep.	Faridabad	Heavy Rains and Floods	2 private bank employees washed away.	
<b>HIMACHAL PRADESH</b>					
1.	6 Feb.	Shimla	Landslide	2 labourers died near Ashwani Khud on Junga road.	
2.	4 Mar.	Kinnaur, Solan	Landslides	Total 3 persons died. Viz. Kinnaur - driver of an excavator died as big boulders hit machine, Solan - 2 labourers died in Gahar village in the Dharampur area.	

Sr.No.	Date / Period	Area affected	Intensity [River(s)]	Casualties	Extent of damage
3.	4 and 5 Mar.	Chamba, Kangra, Kinnaur, Kullu, Lahaul and Spiti, Mandi, Shimla, Sirmaur, Solan	Landslides		i) 849 transformers out of order, more than 70 water supply schemes disrupted in the state. ii) Damage to houses reported. iii) More than 650 roads, including five national highways closed due to multiple landslides.
4.	25 Mar.	Una	Landslide	2 devotees died and 7 others injured in Mairi village.	Landslide at Dera Baba Vadbhag Singh shrine at Mairi village of Amb subdivision reported.
5.	19 Apr.	Kangra	Heavy Rains		Damage to a bridge reported.
6.	28 Apr.	Shimla	Landslide	2 persons died on a highway in Shimla's Rohru area.	
7.	12 May	Kangra, Kullu	Heavy Rains and Landslide	One woman died in Kullu district.	Damage to crops reported.
8.	24 Jun.	Solan	Heavy Rains		Damage to several house reported. Damage to vehicles reported.
9.	27 Jun.	Shimla	Landslide		Damage to vehicles reported.
10.	8 Jul.	Lahaul and Spiti	Massive Landslide	More than 100 goats and sheep perished.	A massive landslide at Palamdhara reported.
11.	28 Jul.	Kinnaur	Landslide	One person died and 3 others injured.	i) Landslide on the Mehli Shoghi road in Geabong village reported. ii) Damage to car reported.
12.	29 Jul.	Solan	Landslide	One person died and 3 others injured.	Damage to Bolaro reported.

Sr.No.	Date / Period	Area affected	Intensity [River(s)]	Casualties	Extent of damage
13.	1 Aug.	Shimla	Heavy Rains, Cloud Burst	19 persons died and 14 others missing.	<ul style="list-style-type: none"> <li>i) Cloud burst incident near Hydro power project, Jhakari in Tehsil Rampur reported.</li> <li>ii) Damage to 31 houses reported.</li> <li>iii) Damage to 3 bridges, one school and 4 vehicles reported.</li> </ul>
14.	1 Aug.	Mandi	Heavy Rains, Cloud Burst	9 persons died and other one missing.	<ul style="list-style-type: none"> <li>i) Cloud burst incident near village TikkanThalukot of Padhar tehsil reported.</li> <li>ii) Damage to 4 houses and one cattle shed reported.</li> </ul>
15.	1 Aug.	Kullu	Heavy Rains, Cloud Burst	4 persons died and 8 others missing.	<ul style="list-style-type: none"> <li>i) Cloud burst incident near Village Jaon of Nirmand tehsil reported.</li> <li>ii) Damage to 61 houses, 18 cattle sheds reported.</li> <li>iii) Damage to 11 bridges, 17 shops, 3 schools and 12 vehicles reported.</li> </ul>
16.	11 Aug.	Kangra	Heavy Rains		Damage to Apple and other crops reported.
17.	24 Sep.	Sirmaur	Heavy Rains, Flash Floods	One person died.	<ul style="list-style-type: none"> <li>i) Damage to crops reported.</li> <li>ii) Damage to property reported.</li> </ul>

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### JHARKHAND

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1.	14 Feb.	Palamu	Heavy Rains	One person died.	
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Sr.No.	Date / Period	Area affected	Intensity [River(s)]	Casualties	Extent of damage
<b>KARNATAKA</b>					
1.	13 May	Mandya	Heavy Rains	One youth died and 2 others injured due to the branch of a huge tree collapsed on a car.	i) Damage to a car reported. ii) Trees uprooted.
2.	25 and 26 May	Chamarajanagar, Chitradurga, Dakshina Kannada, Davanagere, Hassan, Kodagu, Tumkur, Udupi, Vijayanagara	Heavy Rains	An autorickshaw driver died near Kottara Chowki in Mangaluru in Dakshina Kannada district.	i) Damage to ginger, tobacco arecanut etc. crops reported. ii) Damage to several houses reported. iii) Damage to vehicles reported. iv) Damage to the compound wall of Board High School, 12th century temple reported. v) Damage to power infrastructure reported. vi) Trees uprooted. vii) Traffic on national highway affected. viii) Low-lying areas flooded.
3.	1 Jun. to 3 Dec.	Bagalkot, Bangalore Rural, Bangalore Urban, Belgaum/Belagavi, Bellary, Bidar, Bijapur/Vijayapura, Chamarajanagar, Chikaballapura, Chikmagalur, Chitradurga, Dakshina Kannada, Davanagere, Dharwad, Gadag, Gulbarga, Hassan, Haveri, Kodagu, Kolar,	Heavy Rains, Floods and Landslide	Total 90 persons died because of different events like uprooting of tree, house/wall collapse, rock slide, drowning, landslide, Viz, Bagalkot - 5, Belgaum/Belagavi - 14, Bijapur/Vijayapura - 1, Chamarajanagar - 1, Chikmagalur - 2, Chitradurga - 5, Dakshina Kannada - 6, Davanagere - 2, Dharwad - 3, Gadag - 2, Gulbarga - 7, Hassan - 1, Haveri - 7, Kolar - 1,	i) Damage to total 280900.81 hectares of crop loss including 246632.4 hectares of Agriculture crop loss + 34267.802 hectares of Horticulture crop loss reported. Viz. Bagalkot - (13217.2+12767.68=25984.88), Bengaluru Rural (0+5.4=5.49), Bengaluru Urban - (0+3.4=3.4), Belagavi - (38714.671760.04=40474.71), Ballari - (659.69+22.96=682.65), Bidar - (14935+510.6=15445.6),

Sr.No.	Date / Period	Area affected	Intensity [River(s)]	Casualties	Extent of damage
		Koppal, Mandya, Mysore, Raichur, Ramanagara, Shimoga, Tumkur, Udupi, Uttara Kannada, Vijayanagara, Yadgir (Karnataka)		Mandya - 1, Mysore - 1, Raichur - 6, Ramanagara - 1, Shimoga - 5, Tumkur - 2, Udupi - 4, Uttara Kannada - 12, Yadgir - 1. While, 712 livestock including big and small animals perished, Viz, Bagalkot - 24, Bangalore Rural - 16, Bangalore Urban - 2, Belgaum/Belagavi - 23, Bellary - 16, Bidar - 43, Bijapur/Vijayapura - 51, Chamarajanagar - 2, Chikaballapura - 4, Chikmagalur - 11, Chitradurga - 143, Dakshina Kannada - 13, Davanagere - 20, Dharwad - 12, Gadag - 9, Gulbarga - 60, Hassan - 14, Haveri - 12, Kodagu - 23, Kolar - 1, Koppal - 12, Mandya - 5, Mysore - 10, Raichur - 18, Shimoga - 22, Tumkur - 33, Udupi - 6, Uttara Kannada - 51, Vijayanagara - 35, Yadgir - 21.	Bijapur/Vijayapura - (4764.21+17.6=4781.81), Chamarajangara - (76.452+482.21=558.662), Chikkabalapura - (79.44+145.17=224.61), Chikkamagaluru - (94.38+2151.72=2246.1), Chitradurga - (1389.46+790.14=2179.6), Dakshina Kannada - (61.948+24.612=86.56), Davanagere (3244.73+143.29=3388.02), Dharwad - (66096.75+11409.42=77506.17), Gadag - (4012.3+632.48=4644.78), Gulbarga - (19565+31.11=19596.11), Hassan - (900.56+449.36=1349.92), Haveri (43452.81+1401.48=44854.29), Kodagu - (32.42+0=32.42), Kolar - (5.34+25.84=31.18), Koppal - (4849.5+145.36=4994.86), Mandya - (43.98+47.76=91.74), Mysuru (348.11+225.56=573.67), Raichur - (15739.49+17.61=15757.1), Ramanagara - (59.37+13.2=72.57), Shivamogga - (7887.9+36.14=7924.04), Tumakuru - (243.91+150.11=394.02), Udupi - (681.28+205.93=887.21), Uttara Kannada (1485.868+69.99=1555.858), Vijayanagara - (3136.63+219.37=3356), Yadagiri -(854.96+361.82=1216.78).  Damage to total 20,944 houses (during 1st June to 30 September-15851 houses and during 1st October to 3rd December 5093 houses) fully/partially reported.

Sr.No.	Date / Period	Area affected	Intensity [River(s)]	Casualties	Extent of damage
4.	16 Jul.	Uttar Kannada	Landslide	8 persons died and 3 others missing.	i) Landslide near Shirur village in Ankola Taluk on National Highway 66 reported. ii) Damage to a tea-stall reported. iii) Damage to a vehicle reported.
5.	6 Oct.	Davanagere	Heavy Rains	One 81-year-old person died and 2 others injured due to wall collapsed.	Damage to a house reported.
6.	21 Oct.	Bangalore Urban	Heavy Rains and Floods	2 children died.	
7.	22 Oct.	Bangalore Urban	Heavy Rains	5 persons died and 5 others injured due to building collapsed in the Horamavu Agara area.	i) Damage to more than 1,000 houses reported. ii) Several people displaced.
<b>KERALA</b>					
1.	16 May	Thiruvananthapuram	Heavy Rains	One person injured due to wall collapsed.	i) Damage to house reported. ii) Trees uprooted.
2.	18 May	Thiruvananthapuram	Heavy Rains	One person injured due to wall collapsed.	Damage to house reported.
3.	19 to 22 May	Alappuzha, Ernakulam, Idukki, Kasaragod, Kozhikode, Malappuram, Palakkad, Pathanamthitta, Thiruvananthapuram, Thrissur	Heavy Rains	Total 9 persons died and 2 others injured. Viz. Idukki - 2 injured in Nedumkandam, Palakkad - 2 died, Thiruvananthapuram - 1 woman died due to wall collapsed and remaining 6 died parts of Kerala.	i) Widespread damage to roads and agriculture reported. ii) Damage to 15 houses fully and 218 partially reported. iii) Waterlogging in the low-lying areas reported. iv) Trees uprooted. v) Snapping of electric wires reported. vi) 223 people relocated to 8 camps across the state.

Sr.No.	Date / Period	Area affected	Intensity [River(s)]	Casualties	Extent of damage
4.	28 May	Alappuzha, Ernakulam, Idukki, Kasaragod, Thiruvananthapuram.	Heavy Rains, Floods and Landslides	Total 7 persons died. Viz. Alappuzha -1, Ernakulam -1, Idukki - 1, Kasaragod - 1, Kottayam - 1, Thiruvananthapuram -2. Also, one person missing in Kottayam district.	i) Extensive loss to crops reported. ii) Boat capsized. iii) Vehicular movement roads, including national highways affected. iv) Trees uprooted.
5.	31 May	Idukki, Kottayam, Thrissur	Heavy Rains and Landslide		i) Widespread destruction reported. ii) Severe waterlogging reported. iii) Trees uprooted. iv) Damage to some houses and vehicles reported.
6.	1 Jun.	Idukki	Heavy Rains		Damage to a house reported.
7.	8 Jun.	Thiruvananthapuram	Heavy Rains	2 persons injured due to wall collapsed.	Damage to house reported.
8.	12 Jun.	Thiruvananthapuram	Heavy Rains		i) Damage to 50 houses reported. ii) Power supply disrupted. iii) Trees uprooted.
9.	25 to 27 Jun.	Thiruvananthapuram	Heavy Rains	6 persons died in different incidences.	i) Damage to Banana plantation reported. ii) Loss of about 1.41 crore due to crops damage reported. iii) 3 houses fully and 16 houses partially damaged. iv) Damage to vehicles reported. v) Damage to advertisement board reported.
10.	12 Jul.	Kottayam	Heavy Rains	One person died.	

Sr.No.	Date / Period	Area affected	Intensity [River(s)]	Casualties	Extent of damage
11.	13 Jul.	Palakkad	Heavy Rains and Floods	One person washed away.	
12.	14 Jul.	Idukki	Landslide		Damages to 2 KSEB feeders estimated at about 50 lakhs, Lower Periyar Hydroelectric Power station due to landslip reported.
13.	15 Jul.	Palakkad	Heavy Rains	2 persons died due to house collapsed at Kannambra.	Damage to a hopuse reported.
14.	16 Jul.	Alappuzha, Kannur, Malappuram, Palakkad, Thiruvananthapuram	Heavy Rains and Floods	Total 7 persons died. Viz. Alappuzha - 1, Kannur - 2 drowned from different places including Kannur's Chokli and Mattanur, Malappuram - 1 washed away, Palakkad - 2 died due to wall collapsed, Thiruvananthapuram - 1 died due to uprooted banyan tree fell over her car in Vithura village. While, total 4 others injured. Viz. Alappuzha - 1, Thiruvananthapuram - 3. Also, one person missing from Palakkad district.	i) Damage to houses, hotel reported. ii) Trees uprooted.
15.	17 Jul.	Alappuzha, Idukki, Thiruvananthapuram	Heavy Rains and Floods	Total 6 persons died. Viz. Alappuzha - 4, Idukki - 1, Thiruvananthapuram - 1.	Widespread destruction reported.

Sr.No.	Date / Period	Area affected	Intensity [River(s)]	Casualties	Extent of damage
16.	30 Jul.	Wayanad	Massive Landslide	385 persons died, more than 200 others injured and more than 150 missing.	<ul style="list-style-type: none"> <li>i) A series of catastrophic Landslides in hills of Meppadi reported.</li> <li>ii) The entire villages—Mundakai, Chooralmala, Attamala, and Noolpuzha buried under massive debris.</li> <li>iii) Extensive damage to public and private property reported.</li> <li>iv) Extensive damage to agricultural land reported.</li> <li>v) Damage to more than 1500 houses, schools, dispensary, panchayat bhawan, 290 shops, 136 community buildings reported.</li> <li>vi) 3 bridges washed away.</li> <li>vii) Damage to 124 km of electricity lines, transformers, roads reported.</li> <li>viii) Several people rescued and moved to relief camps.</li> </ul>
17.	30 Jul.	Kozhikode	Landslide	One person died and other missing.	<ul style="list-style-type: none"> <li>i) A landslip in Vilangad-Malayangad in rural Kozhikode reported.</li> <li>ii) Damage to a bridge reported.</li> <li>iii) Damage to 4 houses located reported.</li> </ul>
18.	21 Aug.	Thiruvananthapuram	Heavy Rains		<ul style="list-style-type: none"> <li>i) Damage to many houses reported.</li> <li>ii) Damage to electric poles reported.</li> </ul>
19.	22 Aug.	Alappuzha, Ernakulam, Kollam, Kottayam, Thiruvananthapuram	Heavy Rains	Total one person died and 17 others injured. Viz. Alappuzha - 1 injured. Kollam - 1 died and 12 injured, Thiruvananthapuram - 4 injured.	<ul style="list-style-type: none"> <li>i) Damage to 102 houses reported.</li> <li>ii) Rail service disrupted.</li> <li>iii) Several trees uprooted.</li> </ul>
20.	23 Oct.	Thiruvananthapuram	Heavy Rains	One person injured.	<ul style="list-style-type: none"> <li>i) Tree uprooted.</li> <li>ii) Electric pole damaged.</li> </ul>
21.	25 Oct.	Thiruvananthapuram	Heavy Rains		Damage to one house completely and 6 houses got partially reported.

Sr.No.	Date / Period	Area affected	Intensity [River(s)]	Casualties	Extent of damage
<b>MADHYA PRADESH</b>					
1.	23 Jun.	Mandla, Seoni, Sheopur	Heavy Rains and Floods	Total 2 persons died, one in each Seoni, Sheopur district. While one ox perished in Mandla district.	Damage to houses reported.
2.	27 Jun.	Jabalpur	Heavy Rains and Floods	One person washed away.	
3.	29 Jun.	Panna, Sehore	Heavy Rains and Floods	One person died in Panna district and other one missing from Sehore district.	
4.	30 Jun.	Mandla, Sehore	Heavy Rains and Floods	One person died in Sehore district	Damage to houses reported.
5.	2 Jul.	Barwani, Damoh, Dhar, Mandla, Umaria	Heavy Rains and Floods	One person died in Umaria district. While, one cow perished in Dhar district.	Damage to houses reported. Damage to cow shed reported.
6.	4 Jul.	Dindori, Jhabua, Katni, Mandla, Narsinghpur, Seoni, Umaria	Heavy Rains and Floods	One person died in Katni district.	Damage to houses reported.
7.	5 Jul.	Chhindwara, Damoh, Gwalior, Jhabua, Mandla, Sagar, Umaria	Heavy Rains and Floods	2 persons drowned in Chhindwara district. While one horse perished in Damoh district.	Damage to houses reported.
8.	6 Jul.	Bhind, Damoh, Gwalior, Mandla, Seoni	Heavy Rains and Floods	One person drowned in Bhind district. Also, other missing in Mandla district.	Damage to houses reported.
9.	7 Jul.	Bhind, Burhanpur, Damoh, Mandla, Seoni, Umaria	Heavy Rains and Floods	One person drowned in Burhanpur district. While one buffallow perished in Seoni district.	Damage to houses reported.

<b>Sr.No.</b>	<b>Date / Period</b>	<b>Area affected</b>	<b>Intensity [River(s)]</b>	<b>Casualties</b>	<b>Extent of damage</b>
10.	8 Jul.	Dindori, Gwalior, Mandla, Seoni	Heavy Rains and Floods	Total 2 persons died, one in each Gwalior, Mandla district.	Damage to houses reported.
11.	9 Jul.	Chhindwara, Gwalior, Jhabua, Mandla, Seoni	Heavy Rains and Floods	Total 2 persons died, one in each Chhindwara, Seoni district.	Damage to houses reported.
12.	12 Jul.	Khandwa/East Nimar, Mandla, Seoni, Shahdol, Sidhi	Heavy Rains and Floods	One person missing in Khandwa/East Nimar district.	Damage to houses reported.
13.	14 Jul.	Mandla	Heavy Rains and Floods	One person drowned.	
14.	15 Jul.	Balaghat, Chhindwara, Khargone/West Nimar, Mandla, Seoni	Heavy Rains and Floods	Total 2 persons died, one in each Balaghat, Seoni district. While, one cow perished in Khargone/West Nimar district.	Damage to houses reported.
15.	16 Jul.	Betul	Heavy Rains and Floods	One person drowned.	
16.	20 Jul.	Chhindwara, Khandwa/East Nimar, Narmadapuram/ Hoshangabad, Sagar, Seoni	Heavy Rains and Floods	Total 2 persons died, one in each Narmadapuram/ Hoshangabad, Sagar district. Also one other injured in Narmadapuram/ Hoshangabad district.	Damage to houses reported.
17.	21 Jul.	Balaghat, Chhindwara, Narmadapuram/Hoshangabad, Sehore, Seoni	Heavy Rains and Floods	Total 7 persons died. Viz. Chhindwara - 1, Narmadapuram/Hoshangabad -3, Seoni - 3.	Damage to houses reported.
18.	22 Jul.	Balaghat, Chhindwara, Dindori, Khandwa/East Nimar, Mandla, Narmadapuram/Hoshangabad, Narsinghpur, Seoni	Heavy Rains and Floods	2 persons missing in Seoni district. While, 11 livestock perished. Viz. Balaghat - 1, Khandwa/East Nimar - 1, Narmadapuram/ Hoshangabad - 1, Seoni – 8.	Damage to more than 300 houses reported.

Sr.No.	Date / Period	Area affected	Intensity [River(s)]	Casualties	Extent of damage
19.	23 Jul.	Ashoknagar, Balaghat, Barwani, Chhindwara, Dhar, Katni, Maihar, Mandla, Narmadapuram/Hoshan gabad, Narsinghpur, Seoni, Shahdol, Umaria	Heavy Rains and Floods	One person died due to wall collapsed in Katni district. While, 13 livestock perished. Viz. Ashoknagar - 10, Chhindwara - 3.	Damage to about 850 houses reported.
20.	24 Jul.	Balaghat, Barwani, Chhindwara, Dhar, Mandla, Narsinghpur, Panna, Seoni	Heavy Rains and Floods	One person died in Seoni district.	Damage to more than 130 houses reported.
21.	25 Jul.	Balaghat, Chhindwara, Harda, Jabalpur, Jhabua, Mandla, Niwari, Narsinghpur, Seoni, Sheopur, Umaria	Heavy Rains and Floods	One person died in Niwari district and other missing in Sheopur district.	Damage to more than 100 houses reported.
22.	27 Jul.	Balaghat, Chhatarpur, Dindori, Maihar, Mandla, Raisen, Sehore, Shajapur	Heavy Rains and Floods	Total 5 persons died, one in each Chhatarpur, Maihar, Mandla, Sehore, Shajapur district. Also, 3 others injured due to wall collapsed in Chhatarpur district. As well as, one person missing in Dindori district. While, 6 livestock perished. Viz. Balaghat – 4, Raisen - 2.	Damage to houses reported.
23.	28 Jul.	Burhanpur, Chhindwara, Dhar, Narmadapuram/Hoshan gabad, Seoni, Vidisha	Heavy Rains and Floods	Total 3 persons died, one in each Chhindwara, Dhar, Vidisha district. While, 4 livestock perished. Viz. Burhanpur - 2, Narmadapuram/Hoshangabad -1, Seoni - 1.	Damage to houses reported.

Sr.No.	Date / Period	Area affected	Intensity [River(s)]	Casualties	Extent of damage
24.	29 Jul.	Balaghat, Betul, Jabalpur, Mandsaur, Ujjain	Heavy Rains and Floods	Total 7 persons died. Viz. Balaghat - 1, Jabalpur - 3, Mandsaur - 2, Ujjain - 1. Also 2 others injured. One in each Betul, Ujjain district.	Damage to houses reported.
25.	30 Jul.	Mandla, Panna	Heavy Rains and Floods	Total 2 persons died, one in each district.	Damage to houses reported.
26.	1 Aug.	Balaghat, Betul, Chhindwara, Damoh, Gwalior, Jabalpur, Mandla, Narsinghpur, Sehore, Seoni, Umaria	Heavy Rains and Floods	Total 2 persons died, one in each Gwalior, Umaria district. While, other is missing in Sehore district.	Damage to more than 160 houses reported.
27.	2 Aug.	Balaghat, Chhindwara, Dindori, Khandwa/East Nimar, Narmadapuram/Hoshangabad, Narsinghpur, Sehore	Heavy Rains and Floods	Total 5 persons died. Viz. Dindori - 1, Khandwa/East Nimar - 1, Narsinghpur - 2, Sehore - 1. Also, 6 others injured in Narsinghpur district. As well as 3 persons missing, Viz. Chhindwara - 1, Narmadapuram/Hoshangabad-2. While, one livestock perished in Balaghat district.	Damage to houses reported.
28.	3 Aug.	Alirajpur, Anuppur, Ashoknagar, Balaghat, Chhindwara, Damoh, Jabalpur, Katni, Mandla, Narmadapuram/Hoshangabad, Narsinghpur, Panna, Sehore, Seoni, Shahdol, Umaria	Heavy Rains and Floods	Total 3 persons died, one in each Ashoknagar, Narmadapuram/Hoshangabad, Shahdol district. Also 2 others injured in Seoni district. While, 8 livestock perished. Viz. Mandla - 2, Narmadapuram/Hoshangabad - 1, Panna - 5.	Damage to more than 150 houses reported.

Sr.No.	Date / Period	Area affected	Intensity [River(s)]	Casualties	Extent of damage
29.	4 Aug.	Chhindwara, Dindori, Khandwa/East Nimar, Maihar, Narmadapuram/ Hoshangabad, Panna, Seoni, Shahdol, Shivpuri	Heavy Rains and Floods	Total 10 persons died. Viz. Chhindwara - 3, Khandwa /East Nimar - 1, Maihar - 2, Narmadapuram/Hoshangabad -1, Seoni - 1, Shahdol - 1, Shivpuri - 1. Also, 4 others injured in Seoni district. While, 21 livestock perished. Viz. Dindori - 1, Maihar - 6, Panna - 8, Seoni - 6.	i) Damage to houses reported. ii) Damage to cow shed reported.
30.	5 Aug.	Anuppur, Balaghat, Betul, Chhindwara, Damoh, Dhar, Jabalpur, Katni, Mandla, Narmadapuram/ Hoshangabad, Narsinghpur, Sehore, Seoni, Shahdol, Shivpuri, Umaria	Heavy Rains and Floods	Total 3 persons died. Viz. Sehore - 1, Shahdol - 2. Also, 2 others injured. one in each Betul, Seoni district. As well as, 3 persons missing, Viz. Jabalpur - 2, Mandla - 1. While, 5 livestock perished, Viz. Chhindwara - 1, Jabalpur - 2, Katni - 1, Seoni - 1.	Damage to about 200 houses reported.
31.	6 Aug.	Guna, Mandla, Shahdol	Heavy Rains and Floods	Total 5 persons died. Viz. Guna - 1, Mandla - 2, Shahdol - 2. While, 8 livestock perished. Viz. Guna - 7, Mandla - 1.	Damage to houses reported.
32.	7 Aug.	Balaghat, Seoni, Sheopur	Heavy Rains and Floods	One person died in Sheopur district. While, 7 livestock perished. Viz. Balaghat - 2, Seoni - 5.	Damage to houses reported.
33.	8 Aug.	Bhind, Mandla	Heavy Rains and Floods	Total 2 persons died. One in each district and other injured in Bhind district.	Damage to houses reported.

<b>Sr.No.</b>	<b>Date / Period</b>	<b>Area affected</b>	<b>Intensity [River(s)]</b>	<b>Casualties</b>	<b>Extent of damage</b>
34.	11 Aug.	Dindori, Khandwa/East Nimar, Sehore	Heavy Rains and Floods	One person died in Sehore district, other injured in Dindori district, while, one person missing and 2 livestock perished in Khandwa/East Nimar district.	Damage to houses reported.
35.	13 Aug.	Khandwa/East Nimar	Heavy Rains and Floods	One person died.	Damage to houses reported.
36.	15 Aug.	Ashoknagar, Guna	Heavy Rains and Floods	Total 2 persons died, one in each district and other person missing in Ashoknagar district.	Damage to houses reported.
37.	16 Aug.	Seoni	Heavy Rains and Floods	One person died and 2 livestock perished due to wall collapsed.	Damage to houses reported.
38.	20 Aug.	Seoni, Vidisha	Heavy Rains and Floods	3 persons drowned in Vidisha district and other one is missing in Seoni district.	
39.	21 Aug.	Balaghat, Khandwa/ East Nimar, Seoni, Umaria	Heavy Rains and Floods	Total 2 persons died, one in each Seoni, Umaria district. While, 3 livestock perished, Viz. Balaghat - 1, Khandwa/East Nimar - 2.	Damage to houses reported.
40.	22 Aug.	Balaghat, Umaria	Heavy Rains and Floods	Total 2 persons died, one in each district.	Damage to houses reported.
41.	24 Aug.	Ashoknagar, Chhindwara, Dhar, Mandsaur, Seoni, Umaria	Heavy Rains and Floods	Total 4 persons died, one in each Ashoknagar, Mandsaur, Seoni, Umaria district. Also other person is missing in Dhar district. While, 5 livestock perished, Viz. Chhindwara - 1, Umaria - 4.	Damage to houses reported.

<b>Sr.No.</b>	<b>Date / Period</b>	<b>Area affected</b>	<b>Intensity [River(s)]</b>	<b>Casualties</b>	<b>Extent of damage</b>
42.	26 Aug.	Dhar, Jhabua	Heavy Rains and Floods	One person died in Dhar district. While, 3 livestock perished, Viz. Dhar - 1, Jhabua - 2.	Damage to houses reported.
43.	28 Aug.	Dhar	Heavy Rains and Floods	One person died.	Damage to houses reported.
44.	29 Aug.	Jabalpur, Seoni	Heavy Rains and Floods	Total 4 persons died. Viz. Jabalpur - 3, Seoni - 1.	Damage to houses reported.
45.	31 Aug.	Ujjain	Heavy Rains and Floods	One person died.	Damage to houses reported.
46.	2 Sep.	Ujjain	Heavy Rains and Floods	One person died.	Partial damage to 4 houses reported.
47.	3 Sep.	Betul, Indore, Mandsaur, Seoni	Heavy Rains and Floods	Total 6 persons died. Viz. Betul - 1, Indore - 2, Mandsaur - 3. While, one person injured in Seoni district.	Partial damage to houses reported.
48.	4 Sep.	Chhindwara, Ratlam	Heavy Rains and Floods	Total 2 persons died, one in each district. While other missing in Ratlam district.	
49.	6 Sep.	Betul, Harda, Mandsaur, Seoni	Heavy Rains and Floods	One person died in Mandsaur district. Also, 2 others injured. one each in Betul, Seoni district. While, other missing in Harda district.	
50.	7 Sep.	Chhindwara, Harda, Jhabua	Heavy Rains and Floods	Total 2 persons died, one in each Harda, Jhabua district. While 2 cows perished in Chhindwara district.	

Sr.No.	Date / Period	Area affected	Intensity [River(s)]	Casualties	Extent of damage
51.	8 Sep.	Dindori, Mandla, Ratlam, Shahdol, Umaria, Vidisha	Heavy Rains and Floods	Total 3 persons died, one in each Ratlam, Umaria, Vidisha district. While total 18 livestock perished, Viz. Dindori - 3, Malda - 5, Shahdol - 6, Umaria - 4.	Partial damage to houses reported.
52.	10 Sep.	Shahdol, Vidisha	Heavy Rains and Floods	Total 6 persons died. Viz. Shahdol - 1, Vidisha - 5.	
53.	11 Sep.	Mandsaur, Umaria	Heavy Rains and Floods	Total 4 persons died. Viz. Mandsaur - 3, Umaria - 1. Also, 2 other missing in Mandsaur district.	Damage to houses reported.
54.	12 Sep.	Betul, Jhabua, Mandsaur, Seoni	Heavy Rains and Floods	Total 3 persons died, one in each Betul, Mandsaur, Seoni district. While 2 livestock perished in Jhabua district.	Damage to houses reported.
55.	13 Sep.	Bhind, Seoni, Shivpuri	Heavy Rains and Floods	Total 2 persons died, one in each Seoni, Shivpuri district. Also, other missing in Shivpuri district. While, 10 livestock perished in Bhind district.	Damage to houses reported.
56.	14 Sep.	Bhind, Chhindwara, Datia, Mandsaur, Rajgarh, Sheopur, Ujjain	Heavy Rains and Floods	Total 14 persons died. Viz. Bhind - 2, Datia - 7, Mandsaur - 1, Rajgarh - 1, Sheopur - 2, Ujjain - 1. Also, other injured in Mandsaur district. While, 26 livestock perished. Viz. Bhind - 20, Chhindwara - 6.	Damage to houses reported.
57.	15 Sep.	Balaghat, Khandwa/East Nimar, Gwalior, Narsinghpur, Sheopur	Heavy Rains and Floods	Total 5 persons died. Viz. Khandwa/East Nimar- 1, Gwalior - 4. While, 5 livestock perished, Viz. Balaghat - 2, Narsinghpur - 1, Sheopur - 2.	Damage to houses reported.

Sr.No.	Date / Period	Area affected	Intensity [River(s)]	Casualties	Extent of damage
58.	17 Sep.	Khandwa/East Nimar	Heavy Rains and Floods	One person died.	
59.	19 Sep.	Mandla	Heavy Rains and Floods	One person died.	
60.	20 Sep.	Gwalior	Heavy Rains and Floods	2 persons died.	
61.	21 Sep.	Ujjain	Heavy Rains and Floods	One person died.	
62.	23 Sep.	Gwalior	Heavy Rains and Floods	2 persons died.	
63.	25 Sep.	Mandla, Mandsaur	Heavy Rains and Floods	Total 3 persons died. Viz. Mandla - 2, Mandsaur - 1.	Damage to houses reported.
64.	28 Sep.	Mandla, Shahdol	Heavy Rains and Floods	One person washed away in Shahdol district. While, 5 livestock perished in Mandla district.	Damage to houses reported.
65.	29 Sep.	Dhar, Ujjain	Heavy Rains and Floods	2 persons died in Ujjain district and other is missing in Dhar district.	Damage to houses reported.
66.	30 Sep.	Alirajpur, Betul, Chhindwara, Shajapur, Shivpuri	Heavy Rains and Floods	Total 4 persons died. Viz. Chhindwara - 1, Shivpuri - 3. Also, 2 others injured in Betul district. While, 2 livestock perished, one in each Alirajpur, Shajapur district.	Damage to houses reported.

Sr.No.	Date / Period	Area affected	Intensity [River(s)]	Casualties	Extent of damage
<b>MAHARASHTRA</b>					
1.	26 Feb.	Jalana	Heavy rains		<ul style="list-style-type: none"> <li>i) Damage to 11,691 hectares of wheat, pea, maize, etc. crops reported.</li> <li>ii) 20,801 farmers of 66 villages in Bhokardan and Jafrabad talukas badly affected.</li> </ul>
2.	10 Apr.	Akola, Buldhana, Jalgaon, Washim	Heavy rains		Damage to crops reported.
3.	13 May	Mumbai City	Heavy Rains	3 persons injured due to an iron tower collapsed in Wadala.	<ul style="list-style-type: none"> <li>i) Disruption of metro and local train services reported.</li> <li>ii) Flight operations at Mumbai airport suspended.</li> <li>iii) Trees uprooted.</li> </ul>
4.	15 May	Palghar	Unseasonal Heavy Rains	One person died in Mokhada town due to wall collapsed and 4 girls injured due to trees fell on them in Dahanu taluka.	<ul style="list-style-type: none"> <li>i) Damage to about 44.84 hectares of orchards/fruit gardens 2.67 hectares only in Dahanu reported.</li> <li>ii) Damage to several houses in different talukas Viz. 227 in Dhanu, 255 in Talasari, 241 in Jawhar, 15 in Vikramgad, 17 in Palghar, 4 in Wada and 34 in Mokhada reported.</li> </ul>
5.	1 to 7 Jun.	Aurangabad, Beed, Jalna, Osmanabad, Nanded, Latur, Hingoli, Parbhani	Heavy Rains and Floods	One woman was swept away in Latur district. While, 113 animals perished in parts of Marathwada.	
6.	9 Jun.	Mumbai Suburban	Heavy Rains	2 persons died due to wall collapsed in Vikhroli.	Damage to under-construction building reported.
7.	10 Jun.	Parbhani	Heavy Rains	One 70-year old person died due to cow shed collapsed in Kasnur village of Pathari taluka.	Complete damage to cow shed reported.

<b>Sr.No.</b>	<b>Date / Period</b>	<b>Area affected</b>	<b>Intensity [River(s)]</b>	<b>Casualties</b>	<b>Extent of damage</b>
8.	11 Jun.	Jalgaon	Heavy Rains	One farmer died in Asoda taluka of Jalgaon district.	i) Damage to 3 houses reported. ii) Trees uprooted. iii) Nandgaon, Chandwad, Yeola talukas of Nashik district affected.
9.	11 Jun.	Thane	Heavy Rains and Landslide	2 members of a family, including a minor boy died and a woman injured	Damage to autorickshaw reported as a large boulder followed on it on the Kalyan-Ahmednagar Highway in Malshej Ghat.
10.	23 Jun.	Thane	Heavy Rains	5 persons injured due to shed collapsed.	Damage to shed reported.
11.	29 Jun.	Mumbai Suburban	Heavy Rains	7 persons injured due to door collapsed.	Damage to house reported.
12.	7 Jul.	Bhandara	Heavy Rains	One person died.	
13.	9 Jul.	Akola, Amravati, Buldhana	Heavy Rains and Floods	Total 4 persons died, other missing and 22 livestock perished. Viz. Akola - one 50-year old person washed away, Amravati - 1 died and 22 livestock perished, Buldhana - 2 died and One missing.	
14.	14 Jul.	Amravati	Heavy Rains and Floods	One person washed away.	
15.	18 Jul.	Ratnagiri	Heavy Rains and Floods	One person washed away in Chincawali village of Khed taluka.	

Sr.No.	Date / Period	Area affected	Intensity [River(s)]	Casualties	Extent of damage
16.	20 Jul.	Amravati, Chandrapur, Gadchiroli, Gondia, Mumbai City	Heavy Rains and Floods	Total 7 persons died and 10 others injured. Viz. Amravati - one 60-year old person washed away, Chandrapur - 2 died and 5 injured, Gadchiroli - 2 persons washed away, Gondia - one 35-year old died, Mumbai City - one 80-year old woman died and 5 others injured due to wall collapsed.	i) Damage to crops reported. ii) Damage to houses, cow sheds reported. iii) Damage to a MHADA building which was declared dangerous by the Brihanmumbai Municipal Corporation (BMC) reported.
17.	21 Jul.	Amravati, Gondia, Nagpur	Heavy Rains and Floods	Total 4 persons died. Viz. Amravati - 1, Gondia - 1, Nagpur - 2.	
18.	22 Jul.	Amravati, Gondia, Nagpur, Wardha	Heavy Rains and Floods	4 persons injured in Amravati district due to wall collapsed.	i) Damage to crops reported. ii) Damage to houses, shops reported.
19.	23 Jul.	Amravati	Heavy Rains and Floods	5 livestock perished.	Damage to 40 houses reported.
20.	24 Jul.	Amravati, Gadchiroli, Gondia	Heavy Rains and Floods	Total 4 persons died. Viz. Amravati - 1, Gadchiroli - 1, Gondia - 2.	Damage to crops reported.
21.	25 Jul.	Pune	Landslide	One died in Tamhani Ghat.	
22.	25 Jul.	Pune, Thane	Heavy Rains, Floods and Landslide	Total 4 persons died and 15 livestock perished. Viz. Pune - 2 drowned and 15 buffalows perished, Thane - 2 drowned in Barvi Dam.	i) Several areas including Morya Gosavi Ganpati temple in Pimpri-Chinchwad, numerous houses and residential areas in low-lying parts of the city submerged. ii) Widespread devastation in Pune and adjoining areas reported. iii) More than 400 people evacuated from rural parts low-lying areas in Pune.

Sr.No.	Date / Period	Area affected	Intensity [River(s)]	Casualties	Extent of damage
23.	25 Jul.	Bhandara, Chandrapur, Gadchiroli	Heavy Rains and Floods	One woman injured in Bhandara district.	i) Damage to more than 8200 hectares of crops reported. ii) Damage to houses reported.
24.	26 Jul.	Amravati, Bhandara, Gadchiroli, Gondia, Wardha, Yavatmal	Heavy Rains and Floods	Total 10 livestock perished. Viz. Amravati - 6, Bhandara - 4.	i) Damage to crops reported. ii) Damage to houses reported.
25.	27 Jul.	Chandrapur, Gondia, Yavatmal	Heavy Rains and Floods	One farmer died and 2 Ox perished in Yavatmal district.	i) Damage to crops reported. ii) Damage to houses reported.
26.	28 Jul.	Amravati, Bhandara, Nagpur, Nanded, Yavatmal	Heavy Rains and Floods	2 persons including truck driver washed away in Nagpur district. Also, 2 persons injured due to branch of tree collapsed in Nanded district. While, 30 livestock perished in Bhandara district.	i) Damage to houses reported. ii) Damage to bridge reported. iii) Damage to vehicles reported.
27.	29 Jul.	Bhandara, Gadchiroli, Gondia, Wardha, Washim	Heavy Rains and Floods	Total 3 persons died, One in each Gondia, Wardha and Washim district.	i) Damage to crops reported. ii) Damage to houses reported.
28.	8 Aug.	Bhandara	Heavy Rains and Floods	One farmer washed away.	
29.	2 Sep.	Akola, Beed, Chandrapur, Jalana, Jalgaon, Nanded, Sindhudurg, Yavatmal	Heavy Rains and Floods	Total 9 persons died and 57 others injured and 90 livestock perished. Viz. Akola- one 40-year old woman washed away in Channi village of Patur taluka, Beed - 2 livestock perished, Chandrapur - 1 person washed away, Jalana - one 48-year old man died, Nanded - 4 persons died and 57 others injured and 88 livestock perished, Sindhudurg - 1 died, Yavatmal - one 40-year old person washed away.	Damage to many houses including 160 kacha houses only in Nanded district reported.

Sr.No.	Date / Period	Area affected	Intensity [River(s)]	Casualties	Extent of damage
30.	9 Sep.	Gadchiroli	Heavy Rains and Floods	2 persons washed away.	Damage to motor-cycle reported.
31.	15 Sep.	Gondia	Heavy Rains	2 persons died due to wall collapsed.	Damage to house reported.
32.	25 Sep.	Raigad, Latur	Heavy Rains and Floods	One girl washed away in Khopoli of Raigad district.	i) Damage to Soyabean crops reported. ii) Damage to houses reported.
33.	26 Sep.	Akola, Amravati, Bhandara, Mumbai Suburban	Heavy Rains and Floods	Total 4 persons died and 4 others injured. Viz. Akola - 3 persons washed away in Man river, Mumbai Suburban - 1 woman died in Andheri and 4 others injured due to wall collapsed in Bhandup area and Kandivali.	i) Damage to crops reported. ii) Damage to many houses reported. iii) Trees uprooted.
34.	27 Sep.	Amravati, Bhandara, Nagpur, Wardha, Washim	Heavy Rains and Floods	Total 4 persons died. Viz. Amravati-1 died, Bhandara -2 girls washed away, Wardha - 1 washed away.	i) Damage to crops reported. ii) Damage to vehicles reported.
<b>MANIPUR</b>					
1.	29 Jul.	Tamenglong	Landslide	2 persons including a woman and her 2-year old son died and 2 others injured	
<b>MEGHALAYA</b>					
1.	21 Apr.	South West Khasi Hills	Heavy Rains and Floods	2 persons drowned.	
2.	3 May	East Khasi Hills	Heavy Rains and Floods	One person drowned.	

Sr.No.	Date / Period	Area affected	Intensity [River(s)]	Casualties	Extent of damage
3.	5 May	Eastern West Khasi Hills, East Jaintia Hills, East Khasi Hills, South West Khasi Hills, West Jaintia Hills, West Khasi Hills	Heavy Rains		i) Damage to many houses reported. ii) More than 400 people from 13 villages affected.
4.	7 Jun.	East Khasi Hills	Heavy Rains and Floods (Umryniah River)	One person drowned.	
5.	9 to 12 Jun.	East Khasi Hills	Heavy Rains, Floods and Landslides	One 48-year old person of Tynring Village from East Khasi Hills districts drowned on 10 Jun.	i) Damage to agricultural land and all produce including areca nuts, peppers, betel leaves and bay leaves reported. ii) Loss of about ₹1 crore reported. iii) More than 3,000 people affected. iv) Landslides Nongrim Warding, Thyllaw Warding villages reported.
6.	23 Jun.	East Khasi Hills	Flash Flood	One person died.	
7.	30 Jun.	Ri Bhoi	Flash Flood	One person died.	
8.	5 Aug.	East Khasi Hills	Landslide	One person died.	
9.	21 Aug.	South Garo Hills	Heavy Rains and Floods (Chibe River)	One person died.	
10.	2 Sep.	West Khasi Hills	Heavy Rains and Floods	One person died.	
11.	10 Sep.	Ri Bhoi	Heavy Rains and Floods (Umtru River)	One person drowned.	
12.	23 Sep.	West Khasi Hills	Heavy Rains and Floods	One person died.	

Sr.No.	Date / Period	Area affected	Intensity [River(s)]	Casualties	Extent of damage
13.	4 Oct.	South Garo Hills, West Garo Hills	Landslides	Total 10 persons died. Viz. South Garo Hills - 7, West Garo Hills - 3.	Damage to houses reported.
14.	6 Oct.	East Garo Hills	Landslide	2 persons died.	
15.	21 Oct.	South West Garo Hills	Heavy Rains and Floods	2 persons died.	
<b>MIZORAM</b>					
1.	2 Jul.	Aizwal	Landslide	3 persons died.	Damage to house in Zuangtui area of Zemabawk locality reported.
<b>NAGALAND</b>					
1.	20 Apr.	Noklak	Heavy Rains and Mudslide	One person died.	Damage to a house reported.
2.	28 May	Wokha	Heavy Rains and Floods	2 men drowned.	Damage to 2 houses reported.
3.	2 Jun.	Mon	Heavy Rains and Floods	One person drowned.	
4.	27 Jun.	Kohima	Flash Floods and Landslide	One person died.	i) Damage to paddy fields reported. ii) Damage to houses reported.
5.	28 Jun.	Tuensang	Heavy Rains and Floods	2 boys swept away at Ayong nullah in Kejok village.	
6.	29 Jun.	Kohima	Heavy Rains and Floods	One youth swept away in Dzuwuru stream	
7.	30 Jun.	Tseminvu	Heavy Rains and Floods	One youth drowned in Nsonji Lake.	
8.	1 Jul.	Noklak, Zunheboto	Heavy Rains and Floods	One man swept away at Nguhau in Noklak district.	i) Damage to 16 acers of crops reported. ii) Damage to a house and retaining wall reported.

<b>Sr.No.</b>	<b>Date / Period</b>	<b>Area affected</b>	<b>Intensity [River(s)]</b>	<b>Casualties</b>	<b>Extent of damage</b>
9.	5 Jul.	Zunheboto	Landslide	3 women injured.	Damage to 3 houses reported.
10.	6 Jul.	Kiphire	Landslide		i) Damage to 22 houses reported. ii) Damage to water and drainage channel reported.
11.	6 and 8 Jul.	Shamator	Flash Floods		i) Damage to 27 acers of crops reported. ii) Damage to 13 houses reported.
12.	8 Jul.,	Phek	Flash Floods	One person died and other missing.	
13.	14 Jul.	Dimapur	Heavy Rains and Floods	One person drowned.	
14.	15 Jul.	Tuensang	Landslide		Damage to 255 houses reported.
15.	21 and 23 Jul.	Zunheboto	Flash Floods and Landslide		Damage to 12 acers of paddy fields reported.
16.	29 Jul.	Niluland	Heavy Rains		i) Damage to crops reported. ii) Damage to 1017 houses, animal sheads reported. iii) 25 persons evacuated.
17.	30 Jul.	Mon, Tseminvu, Zunheboto	Heavy Rains, Floods and Landslide	One person drowned in Mon district.	i) Damage to 7 acers of crops reported. ii) Damage to proction wall reported.
18.	2 Aug.	Dimapur	Heavy Rains and Floods	One person drowned.	
19.	3 Aug.	Mokokchung	Heavy Rains and Floods	One person drowned.	
20.	5 Aug.	Chumoukedima	Floods		Damage to 3 acres of paddy fields reported.

Sr.No.	Date / Period	Area affected	Intensity [River(s)]	Casualties	Extent of damage
21.	8 Aug.	Tuensang	Landslide		Damage to 40 houses reported.
22.	14 Aug.	Kiphire	Heavy Rains		Damage to more than 60 acers of crops reported.
23.	15 Aug.	Dimapur	Heavy Rains and Floods	One person drowned.	
24.	19 Aug.	Noklak	Heavy Rains and Floods	One person drowned.	
25.	1 Sep.	Mon	Heavy Rains and Floods	2 men drowned.	
26.	3 Sep.	Chumoukedima	Landslide	6 persons died and 3 others injured.	Damage to vehicles including 5 trucks, 11 four wheelers and one two wheeler reported.
27.	8 Sep.	Chumoukedima, Dimapur	Heavy Rains and Floods	Total 2 persons drowned, one in each district.	
<b>PUNJAB</b>					
1.	11 Aug.	Hoshiarpur	Heavy Rains and Flood	9 persons died.	Vehicle swept away.
<b>RAJASTHAN</b>					
1.	1 to 30 Jun.	Deeg, Jodhpur, Pali	Heavy rains and Flood	Total 5 persons died. Viz. Deeg -1, Jodhpur -1, Pali - 3. While, 3 persons injured in Pali district.	Damage to houses reported.
2.	1 Jul.	Bharatpur	Heavy rains	One person deid, other injured and 2 livestock perished due to wall collapsed.	Damage to a house reported.
3.	5 Jul.	Bikaner	Heavy rains	3 persons including a toddler died due to wall collapsed in Bichwal area.	

Sr.No.	Date / Period	Area affected	Intensity [River(s)]	Casualties	Extent of damage
4.	7 Jul.	Hanumangarh	Heavy rains	2 persons deid, 3 others injured and one livestock perished due to wall collapsed.	Damage to a pakka house reported.
5.	11 Jul.	Bikaner	Heavy rains	One person deid.	
6.	14 Jul.	Sanchore	Heavy rains	One person deid.	Damage to a pakka house reported.
7.	26 Jul.	Banswara	Heavy rains	One person deid.	Damage to a pakka house reported.
8.	1 Aug.	Alwar, Jaipur, Jhalawar	Heavy rains and Flood	Total 8 persons died. Viz. Alwar - 1, Jaipur - 4, Jhalawar - 3.	Damage to a house reported.
9.	2 Aug.	Tonk	Heavy rains and Flood	One person washed away.	
10.	3 Aug.	Barmer, Sawai Madhopur	Heavy rains and Flood	Total 3 persons died. Viz. Barmer - 2 persons washed away, Sawai Madhopur - 1 died due to wall collapsed.	Damage to a house reported.
11.	4 Aug.	Dausa, Jodhpur, Kekri, Sawai Madhopur	Heavy rains and Flood	Total 7 persons died. Viz. Dausa - 2, Jodhpur - 3, Kekri - 1, Sawai Madhopur - 1.	Damage to a house reported.
12.	5 Aug.	Baran, Beawar, Bharatpur, Bundi, Jaisalmer, Jodhpur, Kekri, Kota, Pali	Heavy rains and Flood	Total 13 persons died. Viz. Baran - 2, Beawar - 1, Bharatpur - 1, Bundi - 1, Jaisalmer - 3, Jodhpur - 1, Kekri - 2, Kota - 1, Pali - 1.	Damage to houses reported.
13.	6 Aug.	Jodhpur, Nagaur, Tonk	Heavy rains and Flood	Total 5 persons died. Viz. Jodhpur - 1, Nagaur - 1, Tonk - 3	Damage to houses reported.
14.	7 Aug.	Bundi, Dholpur	Heavy rains and Flood	Total 2 persons died, one in each district.	Damage to houses reported.

Sr.No.	Date / Period	Area affected	Intensity [River(s)]	Casualties	Extent of damage
15.	8 Aug.	Alwar, Baran, Dholpur, Jodhpur Rural	Heavy rains and Flood	Total 7 persons died. Viz. Alwar - 1, Baran - 1, Dholpur - 1, Jodhpur Rural - 4.	Damage to houses reported.
16.	9 Aug.	Jodhpur Rural	Heavy rains and Flood	5 persons died.	
17.	10 Aug.	Bharatpur, Bikaner, Deeg	Heavy rains and Flood	Total 4 persons died. Viz. Bharatpur - 1, Bikaner - 1, Deeg - 2.	Damage to houses reported.
18.	11 Aug.	Bharatpur, Jhunjhunu, Karauli	Heavy rains and Flood	Total 12 persons died. Viz. Bharatpur - 7, Jhunjhunu - 3 youths drowned, Karauli - 2 including a 10-year-old boy died due to wall collapsed.	Damage to houses reported.
19.	12 Aug.	Dausa	Heavy rains and Flood	One person died.	Damage to a house reported.
20.	15 Aug.	Bikaner	Heavy rains and Flood	One person died.	Damage to a house reported.
21.	24 Aug.	Dholpur, Jalore	Heavy rains and Flood	Total 2 persons died, one in each district.	
22.	26 Aug.	Banswara	Heavy rains and Flood	One person died.	Damage to a house reported.
23.	27 Aug.	Udaipur	Heavy rains and Flood	One person died.	Damage to a house reported.
24.	4 Sep.	Udaipur	Heavy rains	One person died due to wall collapsed.	Damage to a house reported.
25.	5 Sep.	Sawai Madhopur	Heavy rains	One person died due to wall collapsed.	Damage to a house reported.
26.	13 Sep.	Dholpur	Heavy rains and Flood	3 persons washed away.	
27.	18 Sep.	Dholpur	Heavy rains	2 persons died due to wall collapsed.	Damage to a house reported.
28.	27 Dec.	Dholpur	Heavy rains	One person died and 17 others injured.	

Sr.No.	Date / Period	Area affected	Intensity [River(s)]	Casualties	Extent of damage
<b>SIKKIM</b>					
1.	10 Jun.	Pakyong	Heavy Rains and Floods		<ul style="list-style-type: none"> <li>i) Extensive damage to several houses in Thek village, Dzongu, Upper Gyathang, and Nampathang reported.</li> <li>ii) National Highway-10, which serves as a lifeline between Sikkim and Kalimpong in West Bengal blocked.</li> </ul>
2.	10 Jun.	Namchi/South Sikkim	Landslide	3 persons died and several missing in Majwa village.	
3.	10 Jun.	Namchi/South Sikkim	Heavy Rains and Flash Floods	2 persons swept away, one missing and 8 others injured.	Damage to several houses reported.
4.	12 Jun.	Mangan/North Sikkim	Cloudburst Triggers Flash Floods	6 persons died and some injured with three victims from Pakshep and three from Ambhithang.	<ul style="list-style-type: none"> <li>i) Pakshep and Ambhithang area badly affected.</li> <li>ii) Damage to houses reported.</li> <li>iii) Damage to a newly laid bailey suspension bridge in Dzongu's Sankalang village reported.</li> <li>iv) More than 1,200 tourists stranded in Lachung.</li> </ul>
5.	12 Jul.	Gangtok/East Sikkim	Landslide	One person died	<ul style="list-style-type: none"> <li>i) Landslide reported on National Highway-10 from Lingi to Singtam.</li> <li>ii) Damage to a taxi reported.</li> </ul>
<b>TAMIL NADU</b>					
	16 May	Madurai, Tenkasi	Heavy Rains and Flash Floods	Total 2 persons died. Viz. Madurai - 1 person died due to roof of a building collapsed, Tenkasi - One 17-year-old boy swept away in flash floods at the Courtrallam waterfalls. While, 14 cattle heads perished.	Damage to the roof of building, 14 huts reported.

Sr.No.	Date / Period	Area affected	Intensity [River(s)]	Casualties	Extent of damage
<b>TELANGANA</b>					
1.	13 Apr.	Nirmal, Vikarabad	Heavy Rains		Damage to crops reported.
2.	7 May	Bhadrari Kothagudem, Jayashankar Bhupalpally, Hyderabad, Mahabubabad, Mahbubnagar, Medak, Nalgonda, Nirmal, Suryapet, Warangal Urban/Hanumakonda, Yadari Bhuvanagiri	Heavy Rains	Total 12 persons died. Viz. Hyderabad - total 9 died indifferent incidences including 7 died due to wall collapsed in Bachupally area, Medak - 2 died, Warangal Urban/Hanumakonda-1 died near Katralaya village in Wardhannapet mandal.	i) Roads inundated in a few areas, throwing vehicular traffic out of gear. ii) Trees uprooted. iii) Waterlogging reported.
3.	11 Jun.	Adilabad, Hyderabad, Medak, Nirmal, Siddipet	Heavy Rains	2 persons died and 14 livestock perished in Siddipet district. Also one ox perished in Adilabad district.	i) Damage to house reported. ii) Damage to electric poles reported. iii) Trees uprooted.
4.	18 to 22 Jul.	Adilabad, Kumuram Bheem/Asifabad, Bhadrari Kothagudem, Jayashankar Bhupalpally, Hyderabad, Jagtial, Jangaon, Kamareddy, Karimnagar, Khammam, Mahabubabad, Mahbubnagar, Mancherial, Medak, Mulugu, Nirmal, Wanaparthy, Warangal Urban/Hanumakonda, Warangal Rural	Heavy Rains		i) Damage to crops reported. ii) Damage to house reported. iii) Damage to roads, Electric poles reported. iv) Trees uprooted.

Sr.No.	Date / Period	Area affected	Intensity [River(s)]	Casualties	Extent of damage
5.	22 Jul.	Hyderabad	Heavy Rains	One person died.	
6.	25 Jul.	Warangal Urban/Hanumakonda	Heavy Rains	One person died.	
7.	25 to 31 Jul.	Adilabad, Kumuram Bheem/Asifabad, Jayashankar Bhupalpally, Kamareddy, Mahabubabad, Mancherial, Medak, Mulugu, Nagarkurnool, Nizamabad	Heavy Rains		i) Damage to crops reported. ii) Damage to house reported. iii) Damage to roads, Electric poles reported. iv) Trees uprooted.
8.	1 Aug.	Jogulamba Gadwal	Heavy Rains	One person missing.	
9.	30 Aug. to 10 Sep.	Adilabad, Kumuram Bheem/Asifabad, Bhadrari Kothagudem, Jayashankar Bhupalpally, Jogulamba Gadwal, Hyderabad, Jagtial, Jangaon, Kamareddy, Karimnagar, Khammam, Mahabubabad, Mahbubnagar, Mancherial, Medak, Medchal Malkajgiri, Mulugu, Nagarkurnool, Nalgonda, Narayanpet, Nirmal, Nizamabad, Peddapalli, Rajanna Sircilla, Ranga Reddy, Sangareddy, Siddipet,	Heavy Rains and Floods	Total 40 persons died. Viz.Kumuram Bheem/Asifabad-1, Bhadrari Kothagudem - 5, Hyderabad - 3, Jagtial - 1, Kamareddy - 2, Khammam - 6, Mahabubabad - 1, Medak - 1, Mulugu - 4, Nalgonda - 1, Narayanpet - 2, Nirmal - 1, Nizamabad - 1, Peddapalli - 2, Sangareddy - 1, Siddipet - 2, Suryapet - 2, Wanaparthy - 3, Yadari Bhuvanagiri - 1. While, total 75,097 livestock including Bullocks, Cows, Buffaloe, Claves, Sheep, Goats, Pigs perished. Viz. Adilabad - 23, Kumuram Bheem/Asifabad - 9, Bhadrari Kothagudem - 482,	i) Significant property damage reported. ii) 168017 hecatres of crop area affected. Viz. Adilabad - 4492, Kumuram Bheem/Asifabad - 4893, Bhadrari Kothagudem - 7761, Jogulamba Gadwal - 2545, Jagtial - 76, Jangaon- 46, Kamareddy- 820, Karimnagar- 9, Khammam - 56232, Mahabubabad - 20752, Mahbubnagar - 2520, Mancherial - 796, Medak - 142, Mulugu - 2848, Nagarkurnool - 6226, Nalgonda - 6718, Narayanpet - 3969, Nirmal - 1396, Nizamabad - 2243, Rajanna Sircilla - 94, Ranga Reddy - 980, Sangareddy - 3852, Siddipet - 7782, Suryapet - 16595, Vikarabad - 1780, Wanaparthy - 2817, Warangal Rural - 9633.

Sr.No.	Date / Period	Area affected	Intensity [River(s)]	Casualties	Extent of damage
10.		Suryapet, Vikarabad, Wanaparthy, Warangal Urban/Hanumakonda, Warangal Rural, Yadari Bhuvanagiri		Jagtial - 1, Jangaon - 31, Kamareddy- 19, Karimnagar - 1, Khammam - 53554, Mahabubabad - 11665, Mahbubnagar-16, Mancherial-6, Medak - 1, Mulugu - 23, Nagarkurnool - 23, Nirmal - 11, Nizamabad - 2, Rajanna Sircilla - 10, Sangareddy-9007, Siddipet- 16, Suryapet - 155, Vikarabad - 14, Warangal Urban/Hanumakonda-16, Warangal Rural - 11, Yadari Bhuvanagiri - 1.	<ul style="list-style-type: none"> <li>iii) Khammam district is the worst-hit areas, with 110 villages submerged under floodwaters.</li> <li>iv) Damage to 28731 houses reported.</li> <li>v) Thousands of people evacuated and shifted to safer places.</li> <li>vi) More than 2800 villages affected.</li> </ul>
11.	21 to 23 Sep.	Jayashankar Bhupalpally, Hyderabad, Mahbubnagar, Medak, Mulugu, Nagarkurnool, Nalgonda, Narayanpet, Nizamabad, Sangareddy, Warangal Urban/Hanumakonda	Heavy Rains and Floods		<ul style="list-style-type: none"> <li>v) Damage to crops reported.</li> <li>vi) Damage to house reported.</li> <li>vii) Damage to roads, Electric poles reported.</li> <li>viii) Trees uprooted.</li> </ul>
<b>TRIPURA</b>					
1.	23 Mar.	Dhalai, Gomati, Khowai, Sipahijala, South Tripura, Unakoti, West Tripura	Heavy Rains	4 fishermen drowned in the Ganda Twisa subdivision in Dhalai district.	<ul style="list-style-type: none"> <li>i) Severe damage to more than 200 dwellings houses and partial damage to more than 4300 houses reported.</li> <li>ii) Electricity poles uprooted.</li> <li>iii) Boat capsized.</li> </ul>
2.	2 May	Dhalai	Heavy Rains		Damage to 56 houses reported.
3.	6 May	Khowai, North Tripura	Heavy Rains		Damage to 43 houses reported.

Sr.No.	Date / Period	Area affected	Intensity [River(s)]	Casualties	Extent of damage
4.	24 to 27 May	Dhalai, Gomati, West Tripura	Heavy Rains		Damage to 50 houses reported.
5.	7 Jun.	Gomati	Heavy Rains		Damage to 11 houses reported.
6.	15 Jun.	Khowai	Heavy Rains		Damage to 68 houses reported.
7.	18 to 20 Jun.	Khowai, North Tripura, Unakoti, West Tripura	Heavy Rains		Damage to about 50 houses reported.
8.	2 to 5 Jul.	Dhalai, Gomati, Khowai, Unakoti, West Tripura	Heavy Rains, Flood and Landslides	Total 2 persons died and 3 others injured. Viz. Dhalai – 1 injured, West Tripura - 2 persons died and 2 children critically injured due to wall collapsed. While, one livestock perished in Gomati district.	Damage to more than 160 houses reported.
9.	2 and 3 Aug.	Dhalai, Gomati, Khowai, South Tripura	Heavy Rains and Floods	2 livestock perished.	Damage to more than 250 houses reported.
10.	19 to 23 Aug.	Dhalai, Gomati, Khowai, North Tripura, Sipahijala, South Tripura, Unakoti, West Tripura	Heavy Rains, Floods, Landslide	31 persons died and 361617 livestock Perished.	<ul style="list-style-type: none"> <li>i) Damage to 69850 hectares of crops reported.</li> <li>ii) Several Landslides reported.</li> <li>iii) Damage to public and private property reported.</li> <li>iv) Damage to 62153 houses reported.</li> <li>v) Estimated Rs.7080.55 crore of Economical loss reported.</li> <li>vi) Damage to 282 Panchayat Building, 845 Registrar of Corporative Societies reported.</li> <li>vii) 1400 Irrigation schemes, 6803 Power Poles, 3611 Transformers, etc. very badly affected.</li> <li>viii) About 17 lakh people badly affected.</li> <li>ix) Around 65,500 people belonging to more than 6,600 families shifted in 450 relief camps from 8 districts.</li> </ul>

Sr.No.	Date / Period	Area affected	Intensity [River(s)]	Casualties	Extent of damage
11.	21 Aug.	South Tripura	Massive Landslide	7 persons died at Santirbazar	Damage to houses reported.
12.	5 Nov.	Dhalai, Sipahijala	Heavy Rains and Floods		Damage to about 910 houses reported.
<b>UTTAR PRADESH</b>					
1.	3 Mar.	Mathura	Heavy Rains		Damage to a house reported.
2.	30 Jun.	Budaun /Badaun / Bhadohi	Heavy Rains	One woman died due to roof of kachha house collapsed.	Damage to a kachha house reported.
3.	3 Jul.	Moradabad	Heavy Rains	One 58-year old farmer died.	
4.	10 Jul.	Banda, Etah, Fatehpur, Pratapgarh	Heavy Rains and Floods	Total 9 persons died. Viz. Banda - 1, Etah - 2, Fatehpur - 3, Pratapgarh - 3.	
5.	31 Jul.	Gautam Buddha Nagar, Ghazipur	Heavy Rains and Floods	Total 4 persons died. Viz. Gautam Buddha Nagar - 2 died due to wall collapsed in Noida, Ghazipur - 2 drowned near Khoda Colony.	
6.	16 Sep.	Sitapur	Heavy Rains	2 persons died and 3 others injured.	
7.	17 Sep.	Hamirpur, Kanpur Dehat/Ramabai Nagar, Kanpur Nagar	Heavy Rains	Total 5 persons died and 2 others injured. Viz. Hamirpur - 1 woman died, Kanpur Dehat/Ramabai Nagar - 2 died due to mud house collapsed, Kanpur Nagar - 2 died and 2 injured due to wall collapsed in different incidences	Damage to houses reported.
8.	29 Sep.	Kannauj	Heavy Rains	2 persons died and 3 others injured.	

Sr.No.	Date / Period	Area affected	Intensity [River(s)]	Casualties	Extent of damage
<b>UTTARAKHAND</b>					
1.	28 Jun.	Haridwar	Heavy rains and Floods		<ul style="list-style-type: none"> <li>i) The cars swept away.</li> <li>ii) Rainwater gushed into homes.</li> <li>iii) Waterlogging reported.</li> </ul>
2.	5 Jul.	Dehradun, Haridwar	Heavy rains and Floods	2 persons drowned, one from each district.	
3.	6 Jul.	Chamoli	Landslide	2 tourists from Hyderabad died.	<ul style="list-style-type: none"> <li>i) Landslide reported on the Badrinath National Highway near Chatwapeepal between Gauchar and Karnaprayag.</li> <li>ii) The Rudraprayag-Kedarnath national highway blocked.</li> </ul>
4.	7 Jul.	Uttarkashi	Heavy rains	2 persons died.	Damage to a temporary bridge at Chidbaasa Naala in Gangotri Dham reported.
5.	8 Jul.	Almora	Heavy rains and Floods		Damage to a bridge in Mohaan (connecting Khairana-Ranikhet-Ramnagar(SH-14) washed away.
6.	9 Jul.	Udham Singh Nagar	Heavy rains and Floods	One person injured and 2 others missing.	
7.	10 Jul.	Udham Singh Nagar	Heavy rains and Floods (Gola river)	One person washed away in Kichcha Tehsil.	
8.	17 Jul.	Champawat	Heavy rains and Floods		<ul style="list-style-type: none"> <li>i) Damage to a house reported.</li> <li>ii) Damage to 3 pedestrian bridges reported.</li> <li>iii) 2 motorcycles swept away in Machhiyar forest in Pati Tehsil.</li> </ul>
9.	20 Jul.	Rudraprayag	Landslide	3 pilgrims died and 8 others injured near the Chirbasa area on the Gaurikund-Kedarnath trekking route.	

Sr.No.	Date / Period	Area affected	Intensity [River(s)]	Casualties	Extent of damage
10.	27 Jul.	Tehri Garhwal	Landslide	2 persons including a woman and her daughter died and 9 livestock perished in the Budhakedar area in Toli village of Balganga tehsil.	Damage to a house and 2 cowshed reported.
11.	31 Jul.	Chamoli, Dehradun, Tehri Garhwal	Heavy rains, Floods and Landslide	Total 6 persons died. Viz. Chamoli - 1 woman died in Kunkhet village due to wall collapsed, Dehradun - 2 persons drowned in a canal in the Raipur area, Tehri Garhwal - 3 persons died in Jakhanyali village at Ghansali area.	A culvert near the Nautar stream washed away due to the cloudburst in Ghansali's Jakhanyali.
12.	1 Aug.	Haridwar, Nainital	Heavy rains and Floods	Total 5 people died and 10 others injured. Viz. Haridwar - 4 died and 10 others injured in Bharpur village due to a house collapsed, Nainital - one 7-year-old child swept away in Haldwani.	Damage to road in Bhimbali on the Gaurikund-Kedarnath trek route reported.
13.	5 Aug.	Uddham Singh Nagar	Heavy rains and Floods	One person swept in Nakuliya village.	
14.	6 Aug.	Uddham Singh Nagar	Heavy rains and Floods (Dehla and Kalyani River)	One person swept away in Kachnal Gazi Village of Kashipur in Dehla River.	i) Azadnagar village in Rudrapur tehsil inundated as water level of kalyani river increased. ii) 250 people displaced to safer place.
15.	8 Aug.	Rudraprayag	Heavy rains and Floods		One temporary bridge created by army swept in Soneprayag.
16.	9 Aug.	Champawat	Heavy rains and Floods	2 persons swept away, 5 others injured and one missing in the Kirauda stream.	An SUV swept away in a stream flooded by heavy rain.

Sr.No.	Date / Period	Area affected	Intensity [River(s)]	Casualties	Extent of damage
17.	21 Aug.	Tehri Garhwal	Heavy rains and Floods	Several cows perished.	i) Damage to cow shed reported. ii) Damage to vehicles reported. iii) Damage to bridges, roads reported.
18.	23 Aug.	Haridwar, Tehri Garhwal	Heavy rains and Floods		i) Some damage in Genwali Village of Balganga Tehsil of Tehri Garhwal district and Hari village of Roorkee Tehsil ii) Damage to crops reported. iii) Damage to houses reported.
19.	28 Aug.	Dehradun	Heavy rains and Floods	One person washed away.	Motorbike washed away in Mothorowala Noka.
20.	4 Sep.	Uttarkashi	Heavy rains	One person injured and 3 buffalows perished due to rock and bolders fall from mountain at tehsil Bhatwari (Songad).	
21.	10 Sep.	Rudraprayag	Landslide	4 persons died.	
22.	12 Sep.	Pithoragarh	Heavy rains		i) Damage to Panchayat reported. ii) Damage to 6 houses reported.
23.	13 Sep.	Champawat	Heavy rains	2 women died in different incidences.	i) Damage to cowsheds reported. ii) Damage to houses reported.
24.	13 Sep.	Champawat	Landslide	One woman died and a man missing.	Landslide in Matiyani Tok Nakela village reported.

### WEST BENGAL

1.	20 May	Cooch Behar, Jalpaiguri	Heavy rains		i) Damage to houses reported. ii) Damage to farming products like fruits and vegetables reported.
2.	14 Sep.	Bankura	Heavy rains	One person died due to wall collapsed.	Damage to house reported.

Sr.No.	Date / Period	Area affected	Intensity [River(s)]	Casualties	Extent of damage
<b>UNION TERRITORY</b>					
<b>DELHI</b>					
1.	27 Jun.	New Delhi	Heavy Rains	One person died and 6 others injured due to roof collapsed.	i) Damage to roof top o at Delhi airport Terminal 1 reported. ii) Damage to vehicles reported.
2.	28 Jun.	East Delhi, North West Delhi	Heavy Rains and Floods	Total 6 persons died. Viz. North West Delhi - 3 labourers died due to wall collapsed in the Vasant Vihar area, While, 3 persons drowned in New Usmanpur area in East Delhi district and Shalimar Bagh area in North West Delhi district.	
3.	29 Jun.	North West Delhi, South East Delhi	Heavy Rains and Floods	Total 3 persons died. Viz. North West Delhi - 2 boys drowned near Siraspur underpass in Samaypur Badli area, South East Delhi - One 60-year old man died in Okhla.	
4.	27 Jul.	New Delhi	Heavy Rains and Floods	3 civil services aspirants died because trapped in the basement of a coaching institute.	Water logging in the Old Rajendra Nagar area reported.
5.	31 Jul.	North Delhi	Heavy Rains and Floods	2 injured due to wall collapsed in different inciences.	Severe waterlogging reported.

Sr.No.	Date / Period	Area affected	Intensity [River(s)]	Casualties	Extent of damage
<b>JAMMU AND KASHMIR</b>					
1.	22 Feb.	Ramban	Landslide	One construction worker died near Seri.	Landslide along Jammu-Srinagar national highway reported.
2.	2 Mar.	Reasi	Heavy Rains	4 persons including a woman and her 3 daughters died due to kutcha house collapse.	Damage to dozens of structures including residential houses reported.
3.	29 Apr.	Baramulla, Kishtwar, Ramban	Heavy Rains, Landslides and Flash Floods	Total 5 persons died and several others injured. Viz. Baramulla - 7 members of a family injured due to wall collapsed in the Boniyar area, Ramban - 5 died including one 13-year-old boy and several injured.	<ul style="list-style-type: none"> <li>i) Damage to public infrastructure and private property reported.</li> <li>ii) Damage to several houses reported.</li> <li>iii) Srinagar-Jammu national highway closed for three days due to landslides at multiple places along the road.</li> <li>iv) Damage to some major infrastructure in the Kupwara district, including Shumriyal Bridge, Khumryal Bridge, Shatmuqam Bridge, Sohipora-Hayhama Bridge, Farkyan Bridge, two rural development department buildings at Kupwara and assistant director Handicrafts office building reported.</li> <li>v) Landslides at multiple places viz. at Mehar, Gangroo, Mom Passi and Kishtwari Pather in Ramban district reported.</li> </ul>
4.	5 Jul.	Poonch, Udhampur	Heavy Rains and Floods	One person died and 3 others injured. Viz. Poonch - 1 woman drowned, Udhampur - 3 injured due to mud-house collapsed at village Hansu in the Kotliwala area of district.	Damage to house reported.

Sr.No.	Date / Period	Area affected	Intensity [River(s)]	Casualties	Extent of damage
5.	14 Jul.	Anantnag	Flash Floods	One cow perished.	Damage to a residential house and boundary wall reported.
6.	1 Aug.	Jammu	Heavy Rains	One person died.	Damage to public and private property including houses reported.
7.	3 Aug.	Ganderbal	Flash Floods		i) Damae to agricultural fields reported. ii) Massive damage to residential houses in Cherwan area reported.
8.	7 Aug.	Kathua, Rajouri	Heavy Rains	One 60-year-old woman died and 2 cows perished due to mudhouse collapsed in the Gundha village in Rajouri district.	Damage to residential houses reported.
9.	15 Aug.	Kulgam	Heavy Rains	One person died.	
10.	26 Aug.	Ramban	Heavy Rains and Flash Floods	7 persons missing	Damage to School Buildings, Roads, houses, vehicles etc. reported.
11.	30 Aug.	Poonch	Heavy Rains	One person died and 2 others injured.	Damage to vehicle reporte.
12.	2 Sep.	Reasi	Landslide	2 persons died and other injured.	Landslide near Katra of Mata Vaishno Devi track reported.
13.	2 Sep.	Ramban	Heavy Rains	One person died.	
14.	16 Sep.	Reasi	Landslide	2 persons missing	Landslide near Avtar Morh of emote Chassana area along the under-construction Budhhal-Mahore-Gool road reported.

**सारिणी 19: चक्रवाती तूफान**  
**TABLE 19: CYCLONIC STORM 2024**

During 2024, Total 4 cyclonic storms formed over the north Indian Ocean, these are, two (2), Severe Cyclonic Storm 'REMAL', Severe Cyclonic Storm 'DANA', and two (2), Cyclonic Storm 'ASNA', Cyclonic Storm 'FENGAL'.

Of these, 3 cyclones Viz. REMAL, DANA and FENGAL formed over the Bay of Bengal and one cyclone Viz. ASNA formed over Arabian Sea.

Among these 4 cyclones, REMAL formed in the pre-monsoon season, ASNA formed in the monsoon season and remaining 2 cyclones DANA and FENGAL formed in the post-monsoon season.

Out of these, REMAL, DANA and FENGAL caused some damage, details of the same are out lined below :-

Sr.No.	Date/Period	Area affected	Intensity	Casualties	Extent of damage
<b><u>BAY CYCLONE</u></b>					
1.	24 to 28 May	<p><b>Formation</b> Near Lat. 18.8°N / Long. 89.5°E, over the north and adjoining eastcentral Bay of Bengal at 1730 IST/1200 UTC of 25<sup>th</sup> May as cyclonic storm and intensified into a severe cyclonic storm near Lat. 19.5°N / Long. 89.4°E over the North Bay of Bengal at 0530 IST/ 0000 UTC of 26<sup>th</sup> May.</p> <p><b>Landfall</b> It crossed the Bangladesh and adjoining West Bengal coasts near Lat. 21.75°N and Long. 89.20°E between Sagar islands and Khepupara close to southwest of Mongla between 2230 IST of 26<sup>th</sup> and 0030 IST of 27<sup>th</sup> May (1700 - 1900 UTC of 26<sup>th</sup> May) as a severe Cyclonic Storm.</p>	Severe Cyclonic Storm REMAL	<p>Total 52 persons died, 7 persons missing and more than 600 others injured.</p> <p><b>Mizoram:</b> 30 persons died and 7 others missing in different incidences, mainly due to landslides, collapsed quarries, etc. in the Melthum, Hlimen, Falkawn, Salem Veng areas of Aizawl districts.</p>	<p>i) Extensive agricultural losses reported. ii) Damage to more than 30,000 houses in Northeast India reported. iii) Widespread destruction, damage to infrastructure including bridges, roads reported. iv) Normal life disrupted. v) Several families relocated fto safer places.</p> <p><b>Mizoram:</b> i) Aizawl district severely affected ii) A stone quarry collapsed in an area between Melthum and Hlimen on the southern outskirts of the Aizawl town. iii) Extensive damage to property including more than 150 houses reported. iv) Landslides reported. v) Aizawl cut off from the rest of the country due to a landslide on National Highway 6 at Hunthar. vi) More than 30 families relocated.</p>

Sr.No.	Date/Period	Area affected	Intensity	Casualties	Extent of damage
		<b><u>Dissipation</u></b> Weakened into a well marked low pressure area over Northeast Assam and neighbourhood at 1730 IST/1200 UTC of 28 <sup>th</sup> May.		<p><b>West Bengal:</b> 7 persons died and nearly 100 others injured. Viz. Kolkata -1 died and 3 injured, Purba Bardhaman - 2 died, Purba Medinipur -1 died in Haldia, South 24 Parganas - 1 died in Mousuni island, and remaining 2 persons died and about 100 others injured from parts of West Bengal.</p> <p><b>Assam :</b> 2 Persons died and 18 others injured. Viz. Kamrup - 1 died, Morigaon - one died and 4 injured, Sonitpur - 12 children injured due to falling tree and remaining 2 others injured in parts of Assam.</p> <p><b>Nagaland:</b> 4 persons died, 2 from each Phek and Wokha districts.</p>	<p><b>West Bengal:</b> i) Birbhum, Howrah, Hooghly, Kolkata, Murshidabad, Nadia, North 24 Parganas, Paschim Medinipur, Paschim Bardhaman, Purba Bardhaman, Purba Medinipur, South 24 Parganas districts very badly affected. ii) Significant structural damage reported. iii) Damage to grains, jute, mango cultivation, groundnut, sesame, almond cultivation recorded. iv) Extensive damage to infrastructure and property reported. v) Damage to 2,500 houses completely and 27,000 partially reported. vi) Trains and flight services affected. vii) More than one lakh people shifted to safer places. viii) Several trees/electric poles uprooted.</p> <p><b>Assam:</b> i) Cachar, Dhubri, Dima Hasao, Goalpara, Kamrup (Metro), Kamrup, Karimganj, Morigaon, Nagaon, Sonitpur districts affected. ii) Damage to vehicles reported. iii) Trees uprooted in several places. iv) Power supply disrupted. v) Damage to vehicles reported. vi) Water-logging reported</p> <p><b>Nagaland:</b> i) Phek and Wokha districts affected. ii) Damage to more than 40 houses reported. iii) Trees uprooted.</p>

Sr.No.	Date/Period	Area affected	Intensity	Casualties	Extent of damage
				<p><b>Meghalaya:</b> 6 persons died and more than 500 others injured. East Khasi Hills - 4 died in a Nongpriang village, close to the India-Bangladesh border due to Landslide, East Jaiñtia Hills - 1 died and more than 500 others injured in parts of Meghalaya, South West Khasi Hills - 1 died.</p> <p><b>Manipur:</b> 3 persons died and 3 others injured. Viz. Senapati district - 2 died and 3 injured in different incidences, Imphal - 1 died.</p> <p><b>Tripura:</b> One livestock perished.</p>	<p><b>Meghalaya:</b> i) East Jaintia Hills, East Khasi Hills districts affected. ii) Landslides reported. iii) Damage to 29 houses reported. iv) Several trees/electric poles uprooted.</p> <p><b>Manipur:</b> i) Imphal East, Imphal West, Kangpokpi/Sadar Hills, Senapati, Noney districts affected. ii) Damage to crops reported. iii) Damage to about 40 houses reported. iv) Mudslides/Landslides reported. v) A bridge connecting Vakho village and Karong in Senapati district was swept away. vi) Normal life severely paralysed,</p> <p><b>Tripura:</b> i) All the districts of Tripura, Viz. Dhalai, Gomati, Khowai, North Tripura, Sipahijala, South Tripura, Unakoti, West Tripura affected, but Khowai, West Tripura districts badly affected. ii) Damage to vast areas of agricultural land reported. iii) 746 people from 246 families relocated in relief camps. iv) Damage to 1666 houses reported. v) Significant damage to the power infrastructure, with around 82 transformers and over 600 poles reported. vi) The initial estimated cost of losses is around Rs 2.5 crore reported.</p>

Sr.No.	Date/Period	Area affected	Intensity	Casualties	Extent of damage
2.	22 to 26 Oct.	<p><b><u>Formation</u></b></p> <p>Near Lat. 16.2°N / Long. 89.8°E, over the eastcentral Bay of Bengal at 0530 IST/0000 UTC of 23<sup>rd</sup> October as cyclonic storm and intensified into a severe cyclonic storm near Lat. 17.9°N / Long. 88.5°E over the central and adjoining northwest Bay of Bengal at 2330 IST/ 1800 UTC of the same day i.e. 23<sup>rd</sup> October.</p> <p><b><u>Landfall</u></b></p> <p>It crossed the North Odisha coast close to Habalikhati Nature Camp (Bhitarkanika) and Dhamara during 2000 to 2200 UTC of 24<sup>th</sup> October (i.e. 0130 to 0330 hrs IST of 25<sup>th</sup> October) as a severe Cyclonic Storm.</p> <p><b><u>Dissipation</u></b></p> <p>Weakened into a well marked low pressure area over North Odisha at 0530 IST/0000 UTC of 26<sup>th</sup> October.</p>	Severe Cyclonic Storm DANA	<p>Total 4 persons died and 23 livestock perished.</p> <p><b>Odisha:</b> 23 livestock perished.</p> <p><b>West Bengal:</b> 4 persons died. Viz. Howrah - 1, Kolkata - 1, South 24 Parganas - 2.</p>	<p><b>Odisha:</b></p> <p>i) 8,10,896 people of 9,228 villages of 14 districts Viz. Balasore, Bhadrak, Kendrapara, Jagatsinghpur, Puri, Khordha, Mayurbhanj, Keonjhar, Jajpur, Cuttack, Angul, Ganjam, Nayagarh and Dhenkanal evacuated and shifted to safer places/relief camps.</p> <p>ii) Damage to public property including 1,172 electric poles, roads, mobile towers, etc. reported.</p> <p>iii) Damage to 39,826 houses reported.</p> <p>iv) Total 35,95,015 population affected.</p> <p><b>West Bengal:</b> More than 2,16,000 population of 9 districts evacuated and shifted to safer places/relief camps.</p>

Sr.No.	Date/Period	Area affected	Intensity	Casualties	Extent of damage
3.	25 Nov. to 2 Dec.	<p><b><u>Formation</u></b> Near Lat. 11.2°N / Long. 82.2°E, over the Southwest Bay of Bengal at 1430 IST/0900 UTC of 29<sup>th</sup> November.</p> <p><b><u>Landfall</u></b> It crossed the north Tamil Nadu and Puducherry coasts near Lat. 12.05°N and Long. 79.9°E close to Puducherry between 2230 hrs IST and 2330 hrs IST of 30<sup>th</sup> November as a Cyclonic Storm.</p> <p><b><u>Dissipation</u></b> Weakened into a well marked low pressure area over north interior Tamil Nadu at 0530 IST/0000 UTC of 2<sup>nd</sup> December.</p>	Cyclonic Storm FENGAL	<p>Total 20 persons died and 18 livestock perished.</p> <p><b>Tamil Nadu :</b> Total 16 persons died. Viz. Chennai - 4, Nilgiris - one 45-year-old man died due to house collapsed at Nondimedu in Udthagamandalam, Tiruvannamalai - 10, Vellore - 1.</p> <p><b>Puducherry:</b> 4 persons died.</p> <p><b>Andhra Pradesh:</b> 18 livestock including 12 big animals and 6 small animals perished.</p>	<p><b>Tamil Nadu :</b></p> <ol style="list-style-type: none"> <li>i) Chennai, Chinglepet, Cuddalore, Krishnagiri, Nilgiris, Tiruchirappalli, Tirupattur, Tiruvannamalai, Vellore, Villupuram, districts affected.</li> <li>ii) Damage to public and private property reported.</li> <li>iii) Damage to about 10,000 hectares of crops reported.</li> <li>iv) Several vehicles including buses submerged and some buses and cars swept away.</li> <li>v) Flight and train services disrupted.</li> <li>vi) Several hospitals and houses flooded.</li> <li>vii) More than 7,000 people across the state evacuated and shifted in 147 shelter camps.</li> <li>viii) Inundation in apartment complexes, heavy waterlogging in main and interior roads reported.</li> </ol> <p><b>Puducherry :</b></p> <ol style="list-style-type: none"> <li>i) Hundreds of people living in low-lying areas evacuated shifted to safer places.</li> <li>ii) Hundreds of trees were uprooted.</li> </ol> <p><b>Andhra Pradesh:</b></p> <ol style="list-style-type: none"> <li>i) Nellore, Tirupathi districts affected.</li> <li>ii) 6330.76 hectares of agricultural crops and 76.76 hectares of horticultural crops reported.</li> <li>iii) 983 populations of 309 villages of 29 mandalas affected.</li> <li>iv) Damage to houses or huts fully/partially reported.</li> <li>v) Damage to irrigation sources, roads, electric poles, etc. reported.</li> </ol>

## EVENTWISE STATEWISE DISASTROUS WEATHER EVENTS DURING 2024

Figure 18: Snowfall, Squall, Gale during 2024

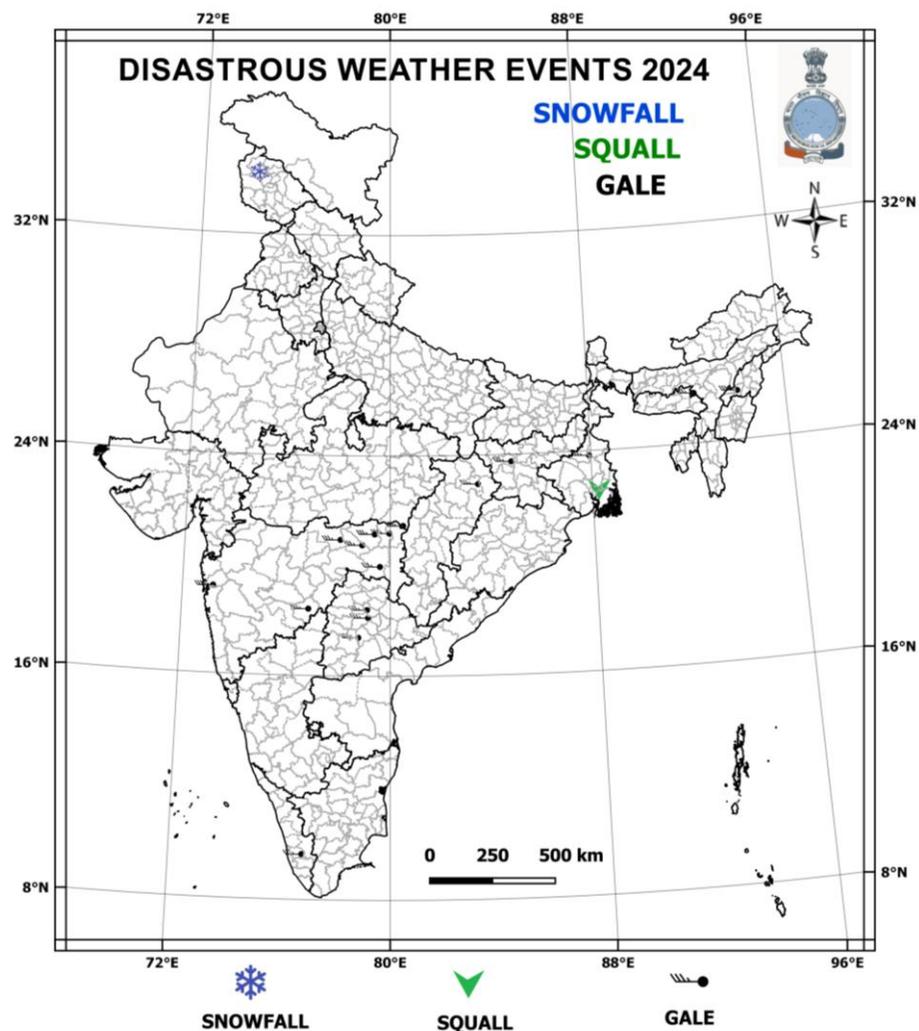


Table 20: Human and Livestock Loss due to Snowfall, Squall, Gale during 2024

GALE				
State /UT	Human Deaths	Human Injured	Human Missing	Livestock perished
Chhattisgarh	*	8	*	*
Jharkhand	1	*	*	*
Kerala	*	1	*	*
Maharashtra	1	1	*	*
Meghalaya	1	*	*	*
Nagaland	*	3	*	*
Telangana	4	*	*	*
West Bengal	1	*	*	*
<b>Total</b>	<b>8</b>	<b>13</b>	<b>*</b>	<b>*</b>
SNOWFALL				
State /UT	Human Deaths	Human Injured	Human Missing	Livestock perished
Jammu and Kashmir	1	*	1	*
<b>Total</b>	<b>1</b>	<b>*</b>	<b>1</b>	<b>*</b>

SQUALL – \* NIL – Only damage

Figure 19: Cold Wave during 2024

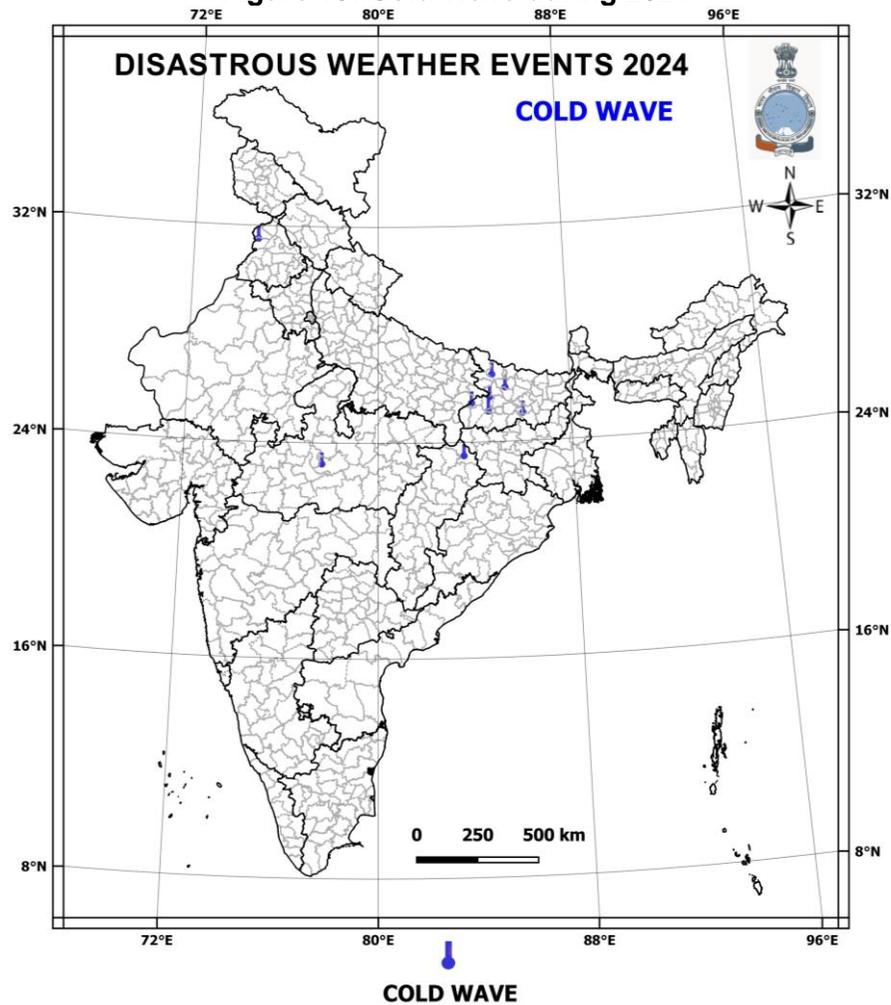


Table 21: Human and Livestock Loss due to Cold Wave during 2024

Cold Wave				
State /UT	Human Deaths	Human Injured	Human Missing	Livestock perished
Bihar	6	*	*	*
Chhattisgarh	1	*	*	*
Madhya Pradesh	1	*	*	*
Punjab	1	*	*	*
<b>Total</b>	<b>9</b>	<b>*</b>	<b>*</b>	<b>*</b>

Figure 20: Heat Wave during 2024

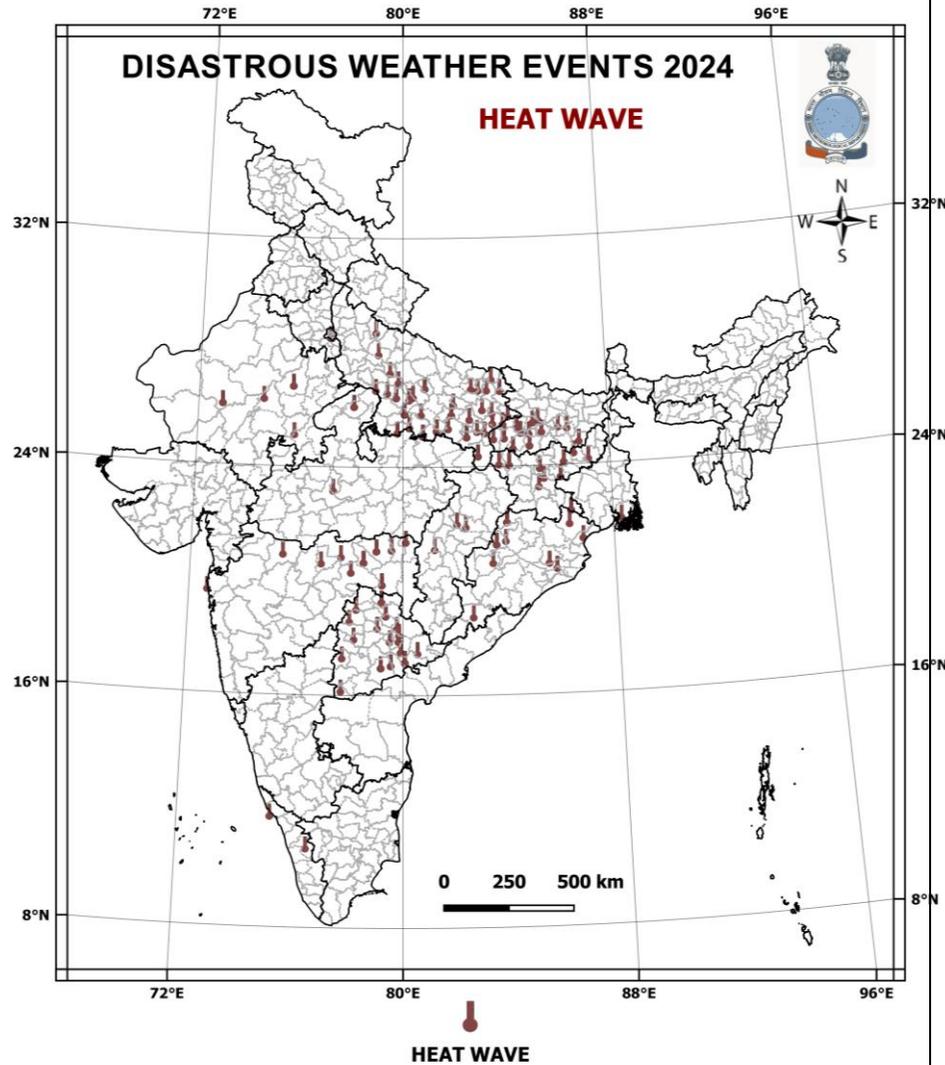
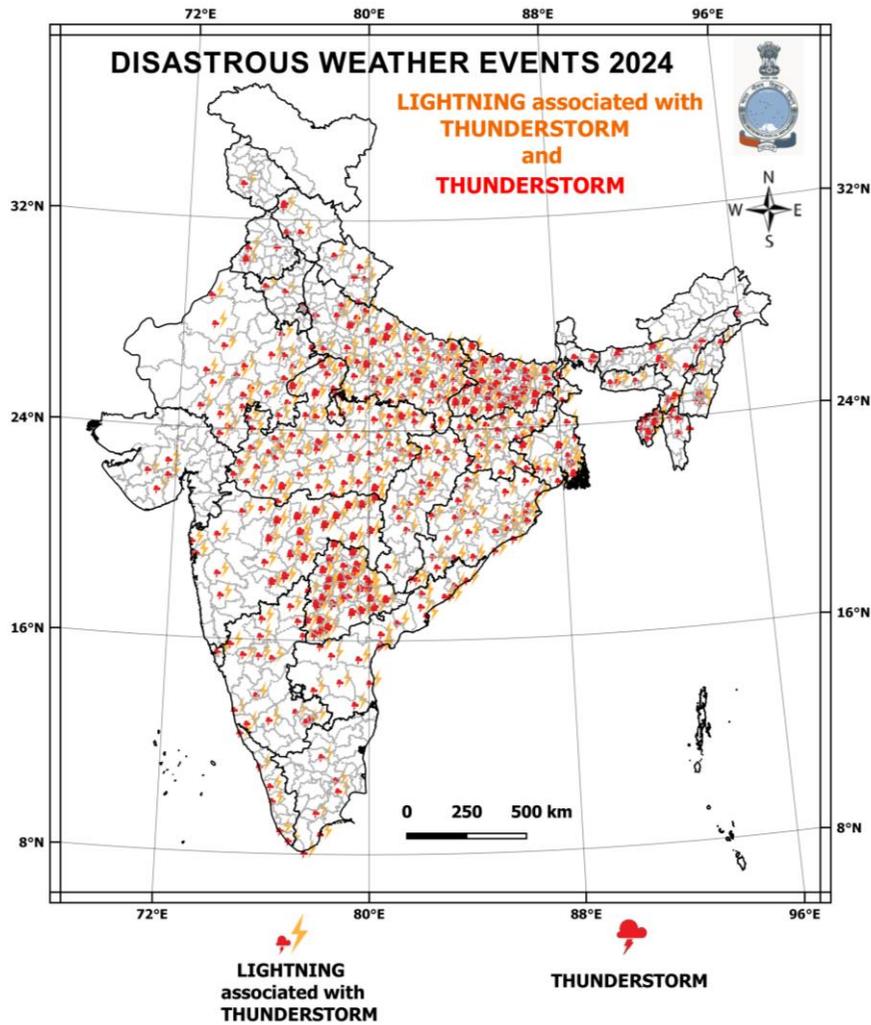


Table 22: Human and Livestock Loss due to Heat Wave during 2024

State /UT	HEAT WAVE			
	Human Deaths	Human Injured	Human Missing	Livestock perished
Bihar	63	*	*	*
Chhattisgarh	7	*	*	*
Delhi	1	*	*	*
Jharkhand	35	*	*	100
Kerala	2	*	*	*
Madhya Pradesh	5	*	*	*
Maharashtra	28	*	*	*
Odisha	16	*	*	*
Rajasthan	16	*	*	*
Telangana	46	*	*	*
Uttar Pradesh	240	*	*	*
West Bengal	1	*	*	*
<b>Total</b>	<b>460</b>	<b>*</b>	<b>*</b>	<b>100</b>

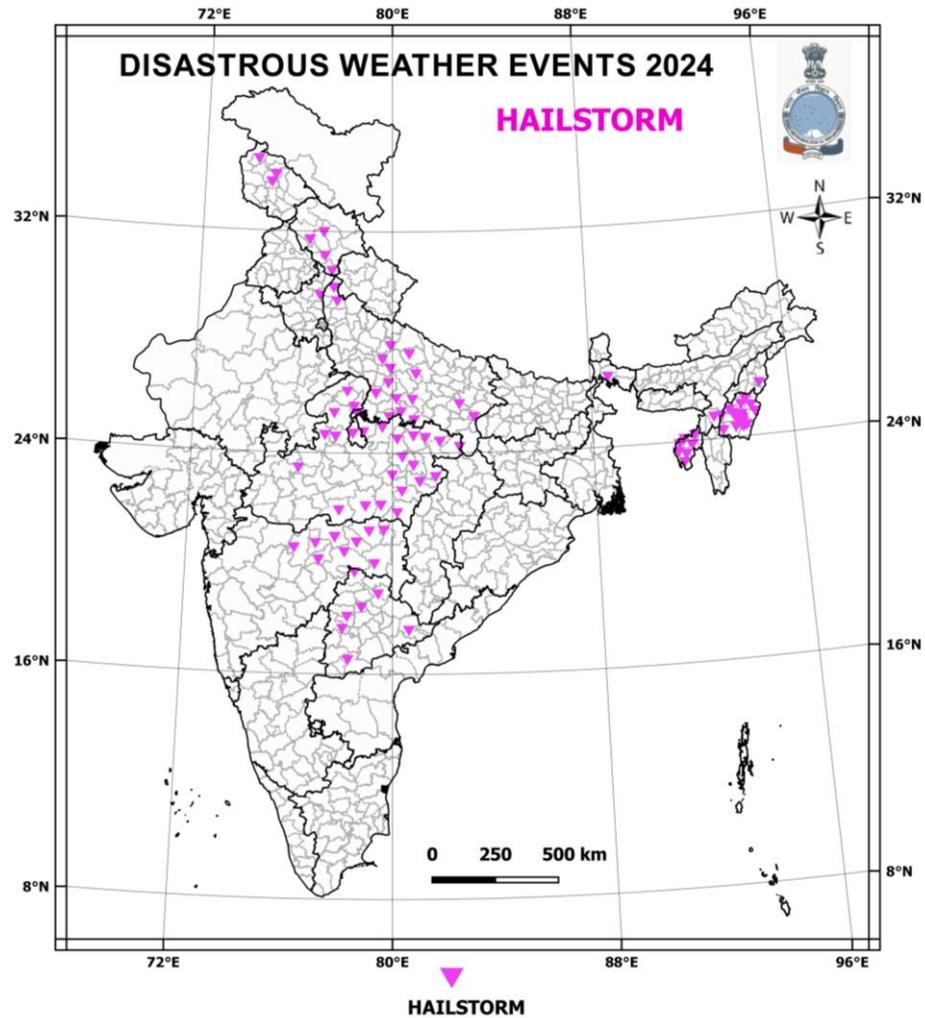
**Figure 21: Lightning associated with Thunderstorm and Thunderstorm during 2024**



**Table 23: Human and Livestock Loss due to Lightning associated with Thunderstorm and Thunderstorm during 2024**

LIGHTNING associated with THUNDERSTORM and THUNDERSTORM				
State /UT	Human Deaths	Human Injured	Human Missing	Livestock perished
Andhra Pradesh	48	2	*	30
Arunachal Pradesh	1	*	*	*
Assam	13	7	*	10
Bihar	322	22	*	*
Chhattisgarh	48	54	*	63
Delhi	2	23	*	*
Goa	1	*	*	*
Gujarat	10	6	*	*
Haryana	2	*	*	*
Himachal Pradesh	3	*	*	18
Jammu and Kashmir	1	3	*	*
Jharkhand	88	76	*	8
Karnataka	39	13	*	50
Kerala	8	15	*	*
Madhya Pradesh	293	189	*	660
Maharashtra	84	100	*	5303
Manipur	2	2	*	*
Meghalaya	3	*	*	*
Mizoram	1	*	*	*
Nagaland	2	1	*	*
Odisha	208	29	*	*
Puducherry	*	*	*	*
Punjab	3	*	*	*
Rajasthan	54	37	*	86
Sikkim	*	*	*	*
Tamil Nadu	10	2	*	*
Telangana	100	5	*	2325
Tripura	8	2	*	1
Uttar Pradesh	225	127	*	193
Uttarakhand	4	8	*	152
West Bengal	60	315	*	*
<b>Total</b>	<b>1643</b>	<b>1038</b>	<b>*</b>	<b>8899</b>

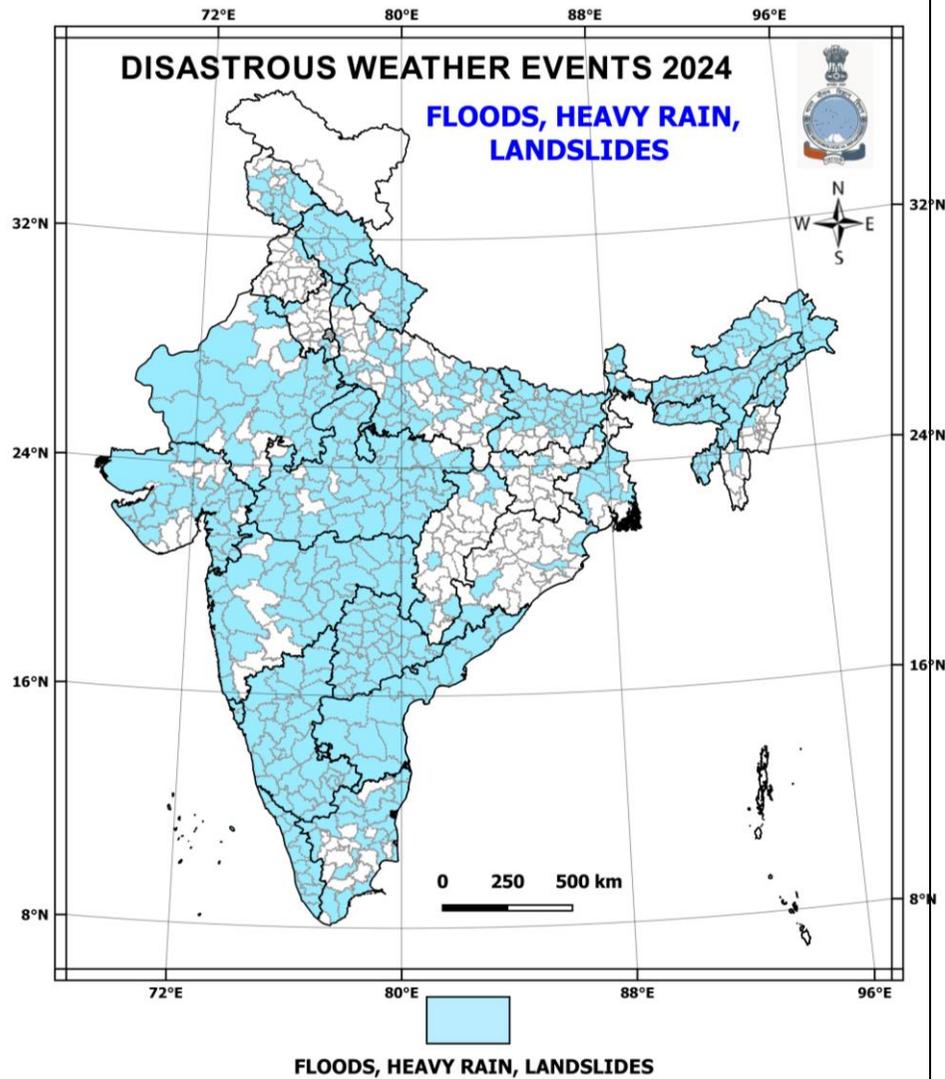
**Figure 22: Hailstorm during 2024**



**Table 24: Human and Livestock Loss due to Hailstorm during 2024**

HAILSTORM				
State /UT	Human Deaths	Human Injured	Human Missing	Livestock perished
Maharashtra	2	*	*	12
Telangana	*	*	*	1
<b>Total</b>	<b>2</b>			<b>13</b>

**Figure 23: Floods, Heavy Rains, Landslides during 2024**



**Table 25: Human and Livestock Loss due to Floods, Heavy Rains, Landslides during 2024**

<b>FLOODS, HEAVY RAINS, LANDSLIDES</b>				
State /UT	Human Deaths	Human Injured	Human Missing	Livestock perished
Andhra Pradesh	85	4	*	1679
Arunachal Pradesh	9	7	*	18
Assam	122	*	11	7522
Bihar	47		6	
Chhattisgarh	5	*	*	*
Delhi	13	8	*	*
Goa	5	*	*	*
Gujarat	28	23	4	0
Haryana	10	4	*	*
Himachal Pradesh	45	13	23	100
Jammu and Kashmir	18	13	9	5
Jharkhand	1	*	*	*
Karnataka	108	9	3	712
Kerala	426	228	153	
Madhya Pradesh	166	31	22	171
Maharashtra	64	98	1	287
Manipur	2	*	*	*
Meghalaya	25	*	*	*
Mizoram	3	*	*	*
Nagaland	27	7	*	*
Punjab	9	*	*	*
Rajasthan	95	23	*	3
Sikkim	12	8	1	*
Tamil Nadu	2		*	14
Telangana	56	*	1	75112
Tripura	44	3	*	361618
Uttar Pradesh	24	8	*	*
Uttarakhand	35	25	4	12
West Bengal	1	*	*	*
<b>Total</b>	<b>1487</b>	<b>512</b>	<b>238</b>	<b>447253</b>

Figure 24: Cyclonic Storms during 2024

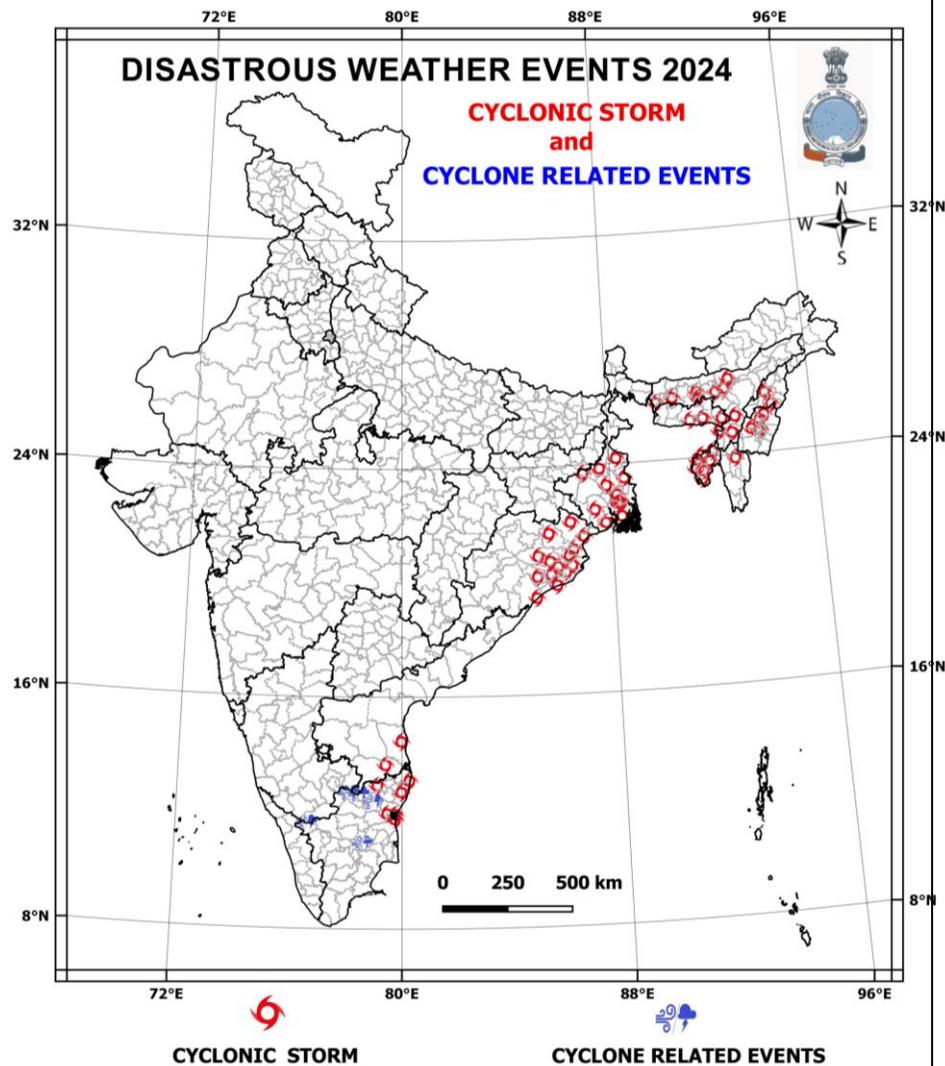


Table 26: Human and Livestock Loss due to Cyclonic Storms during 2024

Cyclonic Storms				
State /UT	Human Deaths	Human Injured	Human Missing	Livestock perished
Andhra Pradesh	*	*	*	18
Assam	2	18	*	*
Manipur	3	3	*	*
Meghalaya	6	500	*	*
Mizoram	30		7	
Nagaland	4	*	*	*
Odisha	*	*	*	23
Puducherry	4	*	*	*
Tamil Nadu	16	*	*	*
Tripura	*	*	*	1
West Bengal	11	103		
<b>Total</b>	<b>76</b>	<b>624</b>	<b>7</b>	<b>42</b>

सारिणी 27: अत्यधिक भारी वर्षा के कारण 2024 के दौरान प्रभावित राज्य/केंद्र शासित प्रदेश (जिले)।

TABLE 27: State/UT (Districts) affected due to Extreme Heavy Rain activity during 2024

MONTH	STATE/UT (Districts)	Total Number of districts
January	*	0
February	*	0
March	*	0
April	*	0
May	Arunachal Pradesh (Dibang Valley); Assam (Dima Hasao/N.C Hills, Karimganj); Kerala (Alapuzha); Meghalaya (East Garo Hills, East Khasi Hills, South West Khasi Hills, West Jaintia Hills); Tripura (Dhalai, Unakoti, West Tripura)	11
June	Arunachal Pradesh (Lower Dibang Valley, West Siang); Assam (Barpeta, Bongaigaon, Dhubri); Bihar (Kishanganj); Chhattisgarh (Bijapur); Goa (North Goa); Gujarat (Devbhoomi Dwarka); Karnataka (Dakshina Kannada, Kodagu, Udupi, Uttara Kannada); Maharashtra (Ratnagiri, Sindhudurg); Meghalaya (East Garo Hills, East Khasi Hills, South West Khasi Hills); Sikkim (North Sikkim); West Bengal (Cooch Behar, Darjeeling, Jalpaiguri); Delhi (New Delhi)	23
July	Andhra Pradesh (Alluri Sitharamaraju, Eluru); Bihar (West Champaran); Chhattisgarh (Balrampur, Bijapur); Goa (North Goa, South Goa); Gujarat (Anand, Banaskantha, Devbhoomi Dwarka, Jamnagar, Junagadh, Navsari, Porbandar, Surat, Vadodara, Valsad); Himachal Pradesh (Kangra); Karnataka (Chikkamagaluru, Kodagu, Shivamogga, Udupi, Uttara Kannada); Kerala (Kozhikode, Malappuram, Palakkad, Thrissur, Wayanad); Madhya Pradesh (Mandla, Mandsaur, Sheopur, Tikamgarh); Maharashtra (Bhandara, Mumbai Suburban, Nandurbar, Nashik, Palghar, Pune, Raigad, Ratnagiri, Satara, Sindhudurg, Thane); Meghalaya (East Khasi Hills, South West Khasi Hills, West Khasi Hills); Tamil Nadu (Coimbatore, Nilgiris); Uttar Pradesh (Balrampur, Barabanki, Bareilly, Basti, Gonda, Gorakhpur, Hamirpur, Lalitpur); Uttarakhand (Bageshwar, Champawat, Udham Singh Nagar); West Bengal (Cooch Behar, Darjeeling, Jalpaiguri)	62

<b>MONTH</b>	<b>STATE/UT (Districts)</b>	<b>Total Number of districts</b>
<b>August</b>	Chhattisgarh (Balrampur); Gujarat (Anand, Dangs, Devbhoomi Dwarka, Jamnagar, Kheda, Kutch, Mahisagar, Morbi, Navsari, Panchmahal, Porbandar, Rajkot, Surat, Surendranagar, Vadodara, Valsad); Himachal Pradesh (Kangra); Jharkhand (Dhanbad, Hazaribagh); Karnataka (Udupi); Madhya Pradesh (Alirajpur, Katni, Panna, Singrauli); Maharashtra (Nashik, Pune, Raigad, Sindhudurg); Meghalaya (East Garo Hills, East Khasi Hills, Ri Bhoi); Odisha (Cuttack); Rajasthan (Ajmer, Bhilwara, Bundi, Karauli, Pali, Pratapgarh, Tonk); Tamil Nadu (Villupuram); Tripura (Dhalai, Gomati, Khowai, South Tripura, West Tripura); Uttar Pradesh (Bareilly); Uttarakhand (Dehradun, Hardwar); West Bengal (Birbhum, Burdwan); Dadra and Nagar Haveli (Daman); Lakshadweep (Lakshadweep)	53
<b>September</b>	Andhra Pradesh (Guntur, NTR); Bihar (Araria, Kishanganj, West Champaran); Chhattisgarh (Balrampur, Bijapur); Gujarat (Bharuch, Surat, Tapi); Haryana (Gurgaon); Madhya Pradesh (Bhind, Chhatarpur, Damoh, Niwari, Raisen, Rajgarh, Sagar, Shivpuri); Maharashtra (Gondia, Jalna, Parbhani); Odisha (Kalahandi, Malkangiri); Rajasthan (Bharatpur, Dholpur); Telangana (Bhadrari Kothagudem, Jangaon, Kamareddy, Khammam, Mahabubabad, Mulugu, Suryapet, Warangal Rural); Uttar Pradesh (Agra, Banda, Basti, Etah, Gorakhpur, Hamirpur, Hathras, Maharajganj, Siddharth Nagar, Sultanpur); Uttarakhand (Bageshwar, Champawat, Dehradun); West Bengal (Darjeeling, Jalpaiguri)	49
<b>October</b>	Kerala (Kozhikode); Meghalaya (East Khasi Hills); Odisha (Bhadrak); Tamil Nadu (Tiruvallur); West Bengal (Jalpaiguri)	5
<b>November</b>	Ramanathapuram (Tamil Nadu)	1
<b>December</b>	Karnataka (Dakshina Kannada); Tamil Nadu (Ariyalur, Cuddalore, Dharmapuri, Kallakurichi, Kanchipuram, Krishnagiri, Mayiladurai, Salem, Thanjavur, Thoothukudi/Tuticorin, Tirunelveli, Viluppuram, Tenkasi); Puducherry (Puducherry)	15

The symbol \* indicates NIL / NOT REPORTED

सारिणी 28: केंद्रीय जल आयोग द्वारा 2024 के दौरान चरम और/या गंभीर बाढ़ की स्थिति के रूप में रिपोर्ट किए गए राज्य/केंद्र शासित प्रदेश (जिले)  
**TABLE 28: State/UT (Districts) reported by Central Water Commission as Extreme and/or Severe Flood Situation during 2024**

MONTH	STATE/UT (District)	Total Number of districts
January	*	0
February	*	0
March	*	0
April	*	0
May	*	0
June	Assam (Barpeta, Cachar, Dibrugarh, Goalpara, Hailakandi, Jorhat, Kamrup Metro, Karimganj, Lakhimpur, Morigaon, Nagaon, Sivasagar, Sonitpur, South Salmara-Mankachar); Bihar (Araria, Katihar, Kishanganj, Madhubani, Purnia); Himachal Pradesh (Lahaul and Spiti); Sikkim (Gangtok/East Sikkim); West Bengal (Cooch Behar)	22
July	Assam (Barpeta, Cachar, Dhubri, Dibrugarh, Goalpara, Golaghat, Hailakandi, Jorhat, Kamrup Metro, Karimganj, Lakhimpur, Morigaon, Nagaon, Sivasagar, Sonitpur); Bihar (Araria, Darbhanga, Gopalganj, Katihar, Khagaria, Kishanganj, Madhubani, Muzaffarpur, Patna, Purnia, Siwan, West Champaran/Pachim Champaran); Himachal Pradesh (Lahaul and Spiti); Karnataka (CHIKMAGALUR, Dakshina Kannada, Shimoga); Kerala (Palakkad, Thrissur, Wayanad); Madhya Pradesh (Bhind, Jabalpur); Maharashtra (Bhandara); Sikkim (Gangtok/East Sikkim); Tamil Nadu (Erode); Telangana (Khammam); Uttar Pradesh (Ayodhya/Faizabad, Ballia, Balrampur, Barabanki, Gorakhpur, Hardoi, Kushinagar, Maharajganj, Shahjahanpur, Siddharthnagar); Uttarakhand (Pithoragarh, Tehri Garhwal, Udham Singh Nagar); West Bengal (Cooch Behar)	54
August	Assam (Cachar, Golaghat, Hailakandi, Karimganj, Lakhimpur, Sivasagar); Bihar (Araria, Bhagalpur, Gopalganj, Katihar, Khagaria, Madhubani, Muzaffarpur, Patna, Siwan); Gujarat (Bharuch); Jharkand (Sahibganj); Karnataka (Shimoga); Kerala (Wayanad); Madhya Pradesh (Katni, Mandla, Sidhi, Umariya, Sehore); Tamil Nadu (Erode, Tiruchirappalli); Tripura (Gomati, North Tripura, South Tripura, Unakoti, West Tripura); Uttar Pradesh (Ayodhya/Faizabad, Ballia, Banda, Barabanki, Gorakhpur, Mahoba, Siddharthnagar, Varanasi); Uttarakhand (Pithoragarh, Uttarkashi); West Bengal (Birbhum, Cooch Behar, Murshidabad )	44
September	Andhra Pradesh (Krishna); Assam (Dhubri, Hailakandi); Bihar (Araria, Bhagalpur, East Champaran/Purba Champaran, Gopalganj, Katihar, Khagaria, Kishanganj, Madhubani, Munger, Muzaffarpur, Patna, Purnia, Sitamarhi, Siwan, Supaul, West Champaran/Pachim Champaran); Chattisgarh (Bastar); Haryana (Mewat/Nuh); Himachal Pradesh (Sirmaur); Jharkand (Sahibganj); Madhya Pradesh (Balaghat, Bhind, Damoh, Datia, Gwalior, Mandla, Morena, Seoni); Maharashtra (Bhandara); Odisha (Balasore, Koraput); Rajasthan (Dholpur, Sehore); Sikkim (Gangtok/East Sikkim); Uttar Pradesh (Agra, Auraiya, Ayodhya/Faizabad, Ballia, Banda, Barabanki, Ghazipur, Gorakhpur, Hamirpur, Jalaun, Jhansi, Kannauj, Kanpur Nagar, Kushinagar, Mathura, Saharanpur, Shahjahanpur, Varanasi); West Bengal (Birbhum, Cooch Behar, Hooghly, Jalpaiguri, Jhargram, Murshidabad, North 24 Parganas, Purba Bardhaman)	63
October	Bihar (Araria, Darbhanga, East Champaran/Purba Champaran, Gopalganj, Katihar, Khagaria, Madhubani, Muzaffarpur, Patna, Purnia, Samastipur, Vaishali); Jharkand (Sahibganj); Madhya Pradesh (Damoh); Maharashtra (Buldhana); Tamil Nadu (Coimbatore); Uttar Pradesh (Ballia, Gorakhpur, Siddharthnagar); West Bengal (Murshidabad, North 24 Parganas/North 24 Pragana)	21
November	Bihar (Bhagalpur, Munger, Patna)	3
December	Tamil Nadu (Cuddalore, Tiruvannamalai); Puducherry (Puducherry)	3

The symbol \* indicates NIL / NOT REPORTED

सारिणी 29: शब्दावली परिभाषा

TABLE 29: Glossary

घटना / Event	निकष	CRITERIA
हिमपात / SNOWFALL	<p>हल्की : 10.4 सेमी. या कम 24 घंटेमें ।</p> <p>मध्यम : 10.5 से 64.4 सेमी. 24 घंटेमें ।</p> <p>भारी : 64.5 से 115.5 सेमी. 24 घंटेमें ।</p> <p>बहुत भारी : 115.6 से 204.4 सेमी. 24 घंटेमें ।</p> <p>अत्यंत भारी : 204.5 सेमी. या अधिक 24 घंटेमें ।</p>	<p><b>Light:</b> 10.4 cm or less in 24 hrs.</p> <p><b>Moderate:</b> 10.5 to 64.4 cm in 24 hrs.</p> <p><b>Heavy:</b> 64.5 to 115.5 cm in 24 hrs.</p> <p><b>Very Heavy:</b> 115.6 to 204.4 cm in 24 hrs.</p> <p><b>Extremely Heavy:</b> 204.5 cm or more in 24 hrs.</p>
शीत लहर / COLD WAVE	<p>(A)जब, वास्तविक न्यूनतम तापमान 10<sup>0</sup>C या कम मैदानों के लिए और 0<sup>0</sup>C या कम पहाड़ी क्षेत्रों के लिए है ।</p> <p>शीत लहर : ऋण विचलन सामान्य से 4.5<sup>0</sup>C से 6.4<sup>0</sup>C तक ।</p> <p>तिव्र शीत लहर : ऋण विचलन सामान्य से 6.4<sup>0</sup>C से अधिक ।</p> <p>(B)तटीय स्टेशन के लिए शीत लहर</p> <p>जब, न्यूनतम तापमान 15<sup>0</sup>C या कम ।</p> <p>शीत लहर : न्यूनतम विचलन तापमान -4.5<sup>0</sup>C या कम ।</p> <p>(C) वास्तविक न्यूनतम तापमान पर आधारित ( केवल मैदानों के लिए )</p> <p>शीत लहर : जब न्यूनतम तापमान 4<sup>0</sup>C से कम या बराबर है ।</p> <p>तिव्र शीत लहर : जब न्यूनतम तापमान 2<sup>0</sup>C से कम या बराबर है ।</p>	<p>(A) When; Actual minimum temperature is 10<sup>0</sup>C or less for plains and 0<sup>0</sup>C or less for Hilly regions.</p> <p><b>Cold wave:</b> Negative departure from normal is 4.5<sup>0</sup>C to 6.4<sup>0</sup>C.</p> <p><b>Severe cold wave:</b> Negative departure from normal is more than 6.4<sup>0</sup>C.</p> <p>(B)Cold Wave for coastal station</p> <p>When; Minimum temperature 15<sup>0</sup>C or less.</p> <p><b>Cold wave:</b> Minimum temperature departure is -4.5<sup>0</sup>C or less.</p> <p>(C)Based on Actual Minimum Temperature (For plain stations only)</p> <p><b>Cold Wave:</b> When minimum temperature is less or equal to 4<sup>0</sup>C.</p> <p><b>Severe Cold Wave:</b> When minimum temperature is less or equal to 2<sup>0</sup>C.</p>

घटना / Event	निकष	CRITERIA
<b>उष्ण लहर / HEAT WAVE</b>	<p>(A) जब, अधिकतम तापमान कम से कम 40<sup>0</sup>C या अधिक मैदानों के लिए और 30<sup>0</sup>C या अधिक पहाड़ी स्टेशन के लिए ।</p> <p><b>उष्ण लहर</b> : सामान्य से विचलन 4.5<sup>0</sup>C से 6.4<sup>0</sup>C ।</p> <p><b>तिव्र उष्ण लहर</b> : सामान्य से विचलन 6.4<sup>0</sup>C से अधिक ।</p> <p>(B) तटीय स्टेशन के लिए गर्मी की लहर</p> <p>जब, वास्तविक अधिकतम तापमान 37<sup>0</sup>C या अधिक है ।</p> <p><b>उष्ण लहर</b> : सामान्य से अधिकतम तापमान विचलन 4.5<sup>0</sup>C या अधिक।</p> <p>(C) वास्तविक अधिकतम तापमान पर आधारित</p> <p><b>उष्ण लहर</b> : जब वास्तविक अधिकतम तापमान 45<sup>0</sup>C या अधिक ।</p> <p><b>तिव्र उष्ण लहर</b> : जब वास्तविक अधिकतम तापमान 47<sup>0</sup>C या अधिक।</p>	<p>(A) When; Maximum temperature is at least 40<sup>0</sup>C or more for plains and at least 30<sup>0</sup>C or more for Hilly station.</p> <p><b>Heat wave:</b> Departure from normal is 4.5<sup>0</sup>C to 6.4<sup>0</sup>C.</p> <p><b>Severe heat wave:</b> Departure from normal is greater than 6.4<sup>0</sup>C.</p> <p>(B) Heat Wave for coastal station</p> <p>When; Actual maximum temperature is 37<sup>0</sup>C or more.</p> <p><b>Heat wave:</b> Maximum temperature departure from normal is 4.5<sup>0</sup>C or more.</p> <p>(C) Based on Actual Maximum Temperature</p> <p><b>Heat wave:</b> When Actual maximum temperature is greater than or equal to 45<sup>0</sup>C.</p> <p><b>Severe heat wave:</b> When Actual maximum temperature is greater than or equal to 47<sup>0</sup>C.</p>
<b>अंधड़ / SQUALL</b>	<p>हवा की गति में कम से कम 29 किलोमीटर (16 KTS) प्रति घंटे से 40 किलोमीटर (22 KTS) प्रति घंटे या अधिक और अचानक वृद्धि और कम से कम एक मिनट के लिए स्थायी ।</p> <p><b>मध्यम</b> : सतह हवा की गति (gusts में) 80 किलोमीटर प्रति घंटे तक।</p> <p><b>तीव्र</b> : सतह हवा की गति (gusts में) &gt; 80 किलोमीटर प्रति घंटे।</p>	<p>A sudden increase of wind speed by at least 29 kmph (16 kts), the speed rising to 40 kmph (22 kts) or more and lasting for at least one minute.</p> <p><b>Moderate:</b> Surface wind speed (in gusts) up to 80 kmph.</p> <p><b>Severe:</b> Surface wind speed (in gusts) &gt; 80 kmph.</p>
<b>झंझा / GALE</b>	<b>तीव्र</b> : हवा की गति ≥ 75 किलोमीटर प्रति घंटे	<b>Strong:</b> Wind speed ≥ 75 kmph
<b>आंधी / DUST STORM</b>	आंधी : धूल या रेत के कणों का एक समूह जो तेज़ और अशांत हवा द्वारा ऊर्जावान रूप से काफी ऊँचाई तक उठा लिया जाता है।	<b>Dust storm / sandstorm:</b> An ensemble of particles of dust or sand energetically lifted to great heights by a strong and turbulent wind.
<b>मेघ विद्युत / LIGHTNING</b>	मेघ विद्युत: एक प्रदीप्त प्रस्फुटन जो आकस्मिक वैद्युतिक निस्सरण के साथ होती है जो बादल से या बादल के अंदर या, कम बार, जमीन पर ऊंची इमारतों से या पहाड़ों से होती है।	<b>Lightning:</b> A luminous manifestation accompanying a sudden electrical discharge that takes place from or inside a cloud or, less often, from high structures on the ground or from mountains.

घटना / EVENT	निकष	CRITERIA
गर्ज के साथ तूफान / THUNDERSTORM	गर्ज के साथ तूफान: एक या अधिक आकस्मिक वैद्युतिक निस्सरण, जो प्रकाश की चमक (मेघ विद्युत) और तेज या गड़गड़ाहट ध्वनि (गड़गड़ाहट) द्वारा प्रकट होता है।	<b>Thunderstorm:</b> One or more sudden electrical discharges, manifested by a flash of light (lightning) and a sharp or rumbling sound (thunder).
ओलावृष्टि / HAILSTORM	<b>हलका</b> :विरल, आमतौर पर छोटे आकार और अक्सर बारिश के साथ संमिश्र । <b>मध्यम</b> : पर्याप्त प्रचुर मात्रा में जमीन सफेद करने के लिए। <b>भारी</b> : बड़े पत्थरों के कम से कम एक अनुपात भी शामिल है।	<b>Slight:</b> Sparse, usually small size and often mixed with rain. <b>Moderate:</b> Fall abundant enough to whiten ground. <b>Heavy:</b> Includes at least a proportion of large stones.
बाढ़ और भारी वर्षा / FLOODS AND HEAVY RAINS	<b>भरी वर्षा</b> : 64.5 मिमी - 115.5 मिमी <b>अति भरी वर्षा</b> : 115.6 मिमी - 204.4 मिमी <b>अत्यधिक भरी वर्षा</b> : जब वर्षा के राशि का मूल्यांकन किसी महीने या सीज़न के लिए स्टेशन पर या उसके आस-पास दर्ज की गई सबसे अधिक वर्षा के करीब हो। हालाँकि, इस शब्द का प्रयोग तभी किया जाएगा जब वास्तविक वर्षा की मात्रा 12 सेमी से अधिक हो। <b>बाढ़</b> : केन्द्रीय जल आयोग की परिभाषा के अनुसार, <b>प्रचंड / गंभीर बाढ़</b> : यदि पूर्वानुमानित स्थल पर नदी का जल स्तर खतरे के स्तर को छूता है या पार करता है, लेकिन पूर्वानुमान के उच्चतम बाढ़ स्तर से नीचे है, तब बाढ़ की स्थिति को "गंभीर बाढ़" की स्थिति कहा जाता है। <b>चरम प्रचंड बाढ़</b> : बाढ़ की स्थिति को "चरम" कहा जाता है जब नदी का जल स्तर किसी भी पूर्वानुमान स्थल पर अब तक दर्ज "उच्चतम बाढ़ स्तर" को छू लेता है या पार कर जाता है।	<b>Heavy Rainfall:</b> 64.5 mm - 115.5 mm <b>Very Heavy Rainfall:</b> 115.6-204.4 mm <b>Extremely heavy rainfall:</b> Greater or equal to 204.5 mm <b>Exceptionally Heavy Rainfall:</b> When the amount is a value near about the highest recorded rainfall at or near the station for the month or season. However, this term will be used only when the actual rainfall amount exceeds 12 cm. <b>Floods:</b> <i>As per the definition of Central Water Commission,</i> <b>Severe Flood:</b> If the water level of the river at the forecasting site touches or crosses Danger Level but below the Highest Flood Level of the forecasting, then the flood situation is called "SEVERE FLOOD" situation. <b>Extreme Flood:</b> The flood situation is said to be "EXTREME" when the water level of the river touches or crosses the "HIGHEST FLOOD LEVEL" recorded at any forecasting site so far.
चक्रवाती तूफान / CYCLONIC STORM	<b>चक्रवाती तूफान</b> : 62 - 87 किमी प्रति घंटा (34-47 समुद्री मील) <b>प्रचंड / गंभीर चक्रवाती तूफान</b> : 88-117 किमी प्रति घंटा (48-63 समुद्री मील) <b>अति प्रचंड / बहुत गंभीर चक्रवाती तूफान</b> : 118-166 किमी प्रति घंटा (64-89 समुद्री मील) <b>चरम प्रचंड चक्रवाती तूफान</b> : 167-221 किमी प्रति घंटा (90-119 समुद्री मील) <b>महा चक्रवाती तूफान</b> : 222 किमी प्रति घंटा and more (120 समुद्री मील और अधिक)	<b>Cyclonic Storm (CS):</b> 62 - 87 kmph (34-47 knots) <b>Severe Cyclonic Storm (SCS):</b> 88-117 kmph (48-63 knots) <b>Very Severe Cyclonic Storm (VSCS):</b> 118-166 kmph (64-89 knots) <b>Extremely Severe Cyclonic Storm (ESCS):</b> 167-221 kmph (90-119 knots) <b>Super Cyclonic Storm (SuCS):</b> 222 kmph and more (120 knots and more)

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- 1) Intergovernmental Panel on Climate Change (IPCC), 2021: AR6 Climate Change 2021: The Physical Science Basis, <https://www.ipcc.ch/report/ar6/wg1/>.
- 2) Intergovernmental Panel on Climate Change (IPCC), 2018: IPCC Special Report: Global Warming of 1.5 °C, <https://www.ipcc.ch/sr15/>
- 3) State of the Climate in Asia 2024: <https://library.wmo.int/records/item/69575-state-of-the-climate-in-asia-2024>
- 4) WMO Atlas of Mortality and Economic Losses from Weather, Climate and Water Extremes (1970-2019): [https://library.wmo.int/viewer/57564/download?file=1267\\_Atlas\\_of\\_Mortality\\_en.pdf&dtype=pdf&navigator=1](https://library.wmo.int/viewer/57564/download?file=1267_Atlas_of_Mortality_en.pdf&dtype=pdf&navigator=1)
- 5) IMD Climate Hazard and Vulnerability Atlas: <https://imd pune.gov.in/hazardatlas/index.html>

## PHOTO'S

### 1) Snow Fall:

More than 80 people were rescued from two snowed-under places in J-K, while an "exceptionally" heavy snowfall in Sikkim cut off a strategic road and threw general life out of gear. (Photo | PTI)

(<https://media.assettype.com/newindianexpress%2F2024-02%2Fe929d4db-9cb5-4d01-93eb-5d71cbd6306e%2Fsnowfall.jpg?w=1200&auto=format%2Ccompress&fit=max>)

### 2) Cyclone:

Rains And Strong Winds Ahead Of The Landfall Of Cyclone 'Remal',In South 24 Parganas District, Sunday, May 26,2024.

([https://bsmedia.business-standard.com/\\_media/bs/img/article/2024-05/27/full/1716789787-4968.jpg?im=FeatureCrop,size=\(826,465\)](https://bsmedia.business-standard.com/_media/bs/img/article/2024-05/27/full/1716789787-4968.jpg?im=FeatureCrop,size=(826,465))]

### 3) Heavy Rainfall / Land Slides:

Aerial view of Chooralmala in Kerala's Wayanad district where a landslide wreaked havoc. (Photo | S Senbagapandiyan, EPS)

( [https://media.assettype.com/newindianexpress%2F2024-07-31%2F73qfxwp1%2FNew%20Project%20\(40\).jpg?rect=0%2C117%2C1200%2C675&w=1024&auto=forma t%2Ccompress&fit=max](https://media.assettype.com/newindianexpress%2F2024-07-31%2F73qfxwp1%2FNew%20Project%20(40).jpg?rect=0%2C117%2C1200%2C675&w=1024&auto=forma t%2Ccompress&fit=max))

### 4) Heavy Rainfall & Floods:

A portion of the roof at Delhi's IGI Airport Terminal 1 collapsed amid heavy rains. (HT) [[https://www.hindustantimes.com/ht-img/img/2024/06/28/550x309/4e1e7331-c647-49b9-a696-4297935a552b\\_1719545911845\\_1719545929972.jpg](https://www.hindustantimes.com/ht-img/img/2024/06/28/550x309/4e1e7331-c647-49b9-a696-4297935a552b_1719545911845_1719545929972.jpg)]

### 5) Thunderstorm:

Houses are damaged and electric poles fell after a heavy storm that left at least five people dead, in Jalpaiguri, West Bengal, Sunday, March 31, 2024. (Photo: PTI) ([https://akm-img-a-in.tosshub.com/indiatoday/images/story/202404/west-bengal-jalpaiguri-thunderstorm-cyclone-hail-storm-015117311-16x9\\_0.jpg?VersionId=Q5qWqGBhxz5wbLFnpWM14kIX90ejbNDD&size=690:388](https://akm-img-a-in.tosshub.com/indiatoday/images/story/202404/west-bengal-jalpaiguri-thunderstorm-cyclone-hail-storm-015117311-16x9_0.jpg?VersionId=Q5qWqGBhxz5wbLFnpWM14kIX90ejbNDD&size=690:388))

### 6) Cyclone / Landslide:

Rescue underway after a stone quarry collapsed following heavy rain at Aizawl in Mizoram on Tuesday. PTI

([https://englishtribuneimages.blob.core.windows.net/gallery-content/2024/5/2024\\_5\\$largeimg\\_678362571.webp](https://englishtribuneimages.blob.core.windows.net/gallery-content/2024/5/2024_5$largeimg_678362571.webp))



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