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भारत मौसम विज्ञान विभाग (पृथ्वी विज्ञान मंत्रालय) India Meteorological Department (Ministry of Earth Sciences)



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भारत के वर्षा के आंकड़े - 2021 RAINFALL STATISTICS OF INDIA - 2021



तैयार किया

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भारत के वर्षा आंकड़े –2021 Rainfall Statistics of India – 2021

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Foreword

In its continuous endeavor to provide detailed analytical report on the realized updated Rainfall distribution in various temporal and Spatial domain, Hydromet Division of India Meteorological Department has prepared an annual report entitled 'Rainfall Statistics of India – 2021'. The report has been painstakingly compiled using the station level rainfall data from more than 5100 DRMS stations.

Real-time monitoring of rainfall is a very important activity of IMD. The real-time rainfall products are very useful inputs for the benefit of society as well as to the weather forecasters. The report contains the detailed rainfall information in monthly, seasonal and annual scale for the districts, states, met sub divisions, four homogeneous regions and for the country. The Rainfall performance is tabulated in terms of its departures from its normal (1961-2010). The products available in both tabular, graphical format in addition to the thematic maps provides a lucid description for easy comprehension. This report also has tabulation of date wise extreme rainfall events (rainfall \Rightarrow 21 cm). This publication is very important for the Policy Makers, Agriculturists, Planners, Research Scholars, flood forecasters and many more.

This report is an outcome of sincere and consistent effort of all the team members of Hydromet Division, IMD. I take this opportunity to express my appreciation to Dr. M. Mohapatra, DGM, Shri B. P. Yadav, Head, Hydromet Division and their team of scientist and staff for putting their best efforts in brings out this valuable publication successfully.

DR. M. RAVICHANDRAN

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

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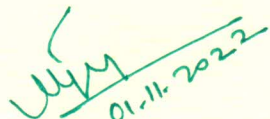


Preface

The rainfall over India varies from arid to semi-arid regions in the West to the extreme precipitation region in the Northeast. The Climatic variation of the region is manifested in the pan-India rainfall distribution. While Indian sub-continent experiences predominantly two Monsoon seasons, the rainfall during southwest monsoon season (June to September) has greater significance for India's Economy, especially in agriculture sector. The study of precipitation distribution and trends is critically important considering the dependence of food security and economy on the timely availability of water.

The spatial and temporal variability of rainfall in the country leads to flood and drought every year in one or the other part of the country. Rainfall statistics is therefore required by the Policy Makers, Planners, Design Structure Engineers, Agriculturists, Hydrologists, Research Scholars and many more for proper management of water resources and its efficient use. Keeping in view the usefulness of rainfall statistics, the publication of rainfall statistics on annual basis was started 2012 onwards. The current near real-time rainfall products are uploaded on IMD website at <http://hydro.imd.gov.in/hydrometweb/>. The updated and compiled statistics is prepared including additional data received late. Hope, this updated publication on rainfall statistics for the year 2021 would be useful for the various stakeholders.

It gives me immense pleasure to present the 'Rainfall Statistics of India – 2021' and I appreciate the authors for their efforts in bringing out this publication. I thank and appreciate my colleagues in Hydrometeorology Division of IMD, New Delhi including Mr BP Yadav, Sc-F & Head Hydrometeorology, Mr Rahul Saxena, Sc-F, Dr Ashok Kumar Das, Sc-E, Shri Davinder Sharma, Shri Rameshwar Ram, Shri Ashok Kumar, Smt. Malini Thakur, Shri P.K. Panchal and Smt. Sushma Singh for their whole-hearted effort in bringing out this publication.


(DR. M. MOHAPATRA)

Preface

India Meteorological Department is using the rainfall data received from a network of more than 5100 rain-gauge stations which are under District wise Rainfall Monitoring Scheme (DRMS) on near real time basis and prepares the rainfall statistics, both in tabular as well as in map/graphical form. The statistics is prepared for the administrative zones like districts, states and for the country. The statistics is also prepared for the 36 Meteorological Subdivisions and for the four broad regions (North West India, Central India, South Peninsula and, North & North East) of India. The rainfall is prepared at various temporal scales viz., weekly, monthly, seasonal and annual basis. Besides this, the hydromet division of IMD also monitors the Meteorological Subdivisional rainfall on daily basis during the Southwest Monsoon season for the whole country and during Northeast Monsoon (Post-Monsoon) season for South Peninsula Region. Although, the current real-time rainfall products are uploaded on IMD website at <http://hydro.imd.gov.in/hydrometweb/>, updated statistics is in most demand by various users as it is included additional late receiving station's data in updating the statistics. Hope, this publication containing updated rainfall statistics for the year 2021 would be useful for the various stakeholders.

We are thankful to Davinder Sharma, Rameshwar Ram, Ashok Kumar, Smt. Malini Thakur, P.K. Panchal and Smt. Sushma Singh of Hydromet Division, New Delhi for their whole-hearted contribution in bringing out this publication.

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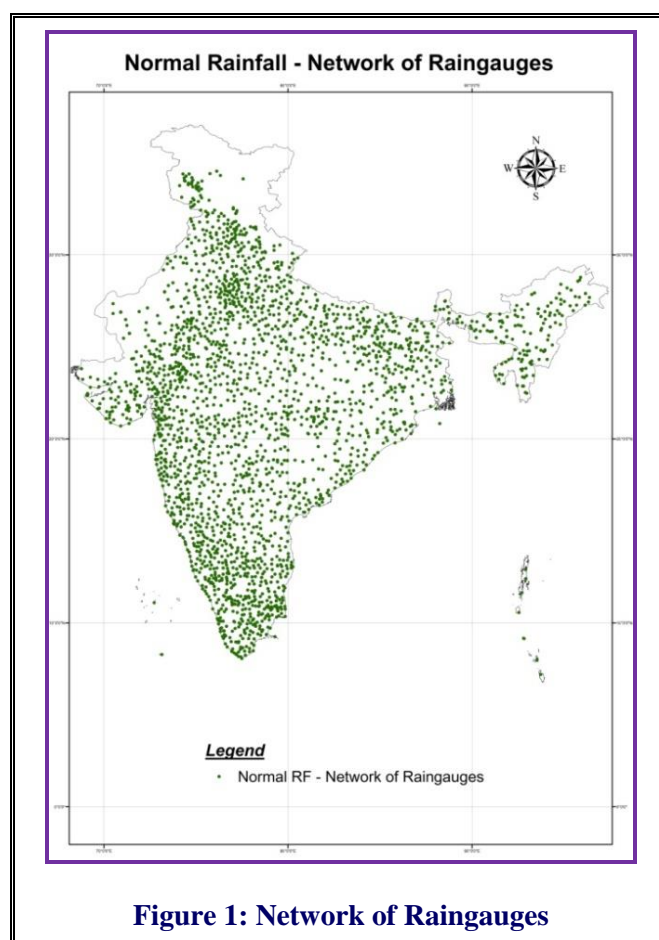
Abbreviation used

AWS	Automatic Weather Station
ARG	Automatic Rain Gauge
ORG	Ordinary Rain Gauge
RG	Rain Gauge
AERO	Aerodrome Observatory
mm	Millimeter
cm	Centimeter
IAF	Indian Air Force
SW	South West
NE	North East
NW	North West
E & NE	East & North East
MET	METEOROLOGICAL
UT	UNION TERRITORY
JJAS	June, July, August and September
U.P.	Uttar Pradesh
N.I. K.	North Interior Karnataka
S.I.K.	South Interior Karnataka
NMMT	Nagaland, Manipur, Meghalaya and Tripura
A & N Islands	Andaman & Nicobar Islands

1. INTRODUCTION

Rainfall is highly variable in time and space. Over 75% of the annual rainfall is received in the four rainy months for June to September only there by leading to large variations on temporal scale. The average annual rainfall is 119 cm, but it has great spatial variations. The areas on the Western Ghats and the Sub-Himalayan areas in North East and Meghalaya Hills receive heavy rainfall of over 250 cm annually, whereas the Areas of Northern parts of Kashmir and Western Rajasthan receive rainfall less than 40 cm.

The network of observatories used in the calculation of the seasonal normal rainfall have been depicted in Figure 1. Rainfall Normal have been computed using rainfall records of 50 years (1961-2010) of a network of around 4200 Stations all over the India. The two significant features of India's rainfall are that, in the north India, rainfall decreases westwards and in the Peninsular India, it decreases eastwards and then increases in the coastal region.






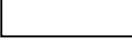



2. METHODOLOGY

The rainfall statistics is computed based on the receipt of rainfall data from about 5100 stations spread over the entire country out of which 264 stations and 05 districts were added during 2021. Based on daily rainfall data of these stations, the rainfall statistics at the districts level is computed using the station rainfall values of the district. The Rainfall statistics for the Meteorological (Met.) Subdivisions, States, four broad regions and for the whole country are computed using these district level statistics.

The present publication includes the updated rainfall statistics for the country as a whole, for the four broad regions, 36 Meteorological Subdivisions, States, UTs and 695 Districts of India. The statistics is provided on monthly, seasonal i.e. **Winter** (January-February), **Pre-Monsoon** (March-May), **Southwest (SW) Monsoon** (June-September) and **Post-Monsoon** (October-December), and on **Annual** basis. The Rainfall Normal used in this report are based on the rainfall records for the period from 1961-2010. Percentage departure of rainfall from Normal, have been color coded as per their categories. The list of categories, their corresponding ranges and color codes is given in Table 1.

Table 1. The list of categories, their corresponding ranges and color codes

Category	Departure from Normal	Colour Code
Large Excess (LE)	60% or more	
Excess (E)	20% to 59%	
Normal (N)	-19% to +19%	
Deficient (D)	-20% to -59%	
Large Deficient (LD)	-60% to -99%	
No Rain	-100%	
No Data	Data Not Available	

In this book the chapters are arranged as Country, Broad Regions, Meteorological Sub-Division, States and Districts wise and data was displayed as seasonal, annual and month wise.

Methodology for district-wise

3. RAINFALL STATISTICS FOR THE COUNTRY & BROAD REGIONS

3.1 SEASONAL & ANNUAL

The country received annual rainfall of 105% (123.6cm) of its normal rainfall of 117.7 cm and during SW monsoon season, 99% (87.5 cm) of its normal rainfall of 88.1 cm. The region-wise country's seasonal and annual actual observed rainfall are given at Table 2, and the percentage departure from normal rainfall are given at Table 3.

Table 2: Region-wise seasonal and annual rainfall (mm) - Year 2021

REGIONS	WINTER	PRE-MONSOON	SW MONSOON	POST-MONSOON	ANNUAL
COUNTRY AS A WHOLE	27.8	155.6	874.5	177.9	1796.1
NORTH WEST INDIA	39.0	125.0	576.2	80.6	820.7
CENTRAL INDIA	8.6	85.1	1012.5	106.4	1212.6
SOUTH PENINSULA	56.2	168.3	804.5	444.5	1473.5
EAST & NORTH EAST INDIA	11.7	347.9	1244.5	188.2	1236.4

It may be observed that three homogeneous regions as well as the country as a whole received deficient or large deficient rainfall only during Winter season except South Peninsula where it is large excess. During rest seasons it is normal or above normal. The country was at maximum deficiency in rainfall of 32% during Winter season.

Regionally, lowest negative departure (78%) observed over East & North East India region during winter season where as highest positive departure of 147% was observed in South Peninsula region during Winter season. During SW Monsoon season, lowest rainfall deficiency (-12%) observed over East & North East India, where as maximum 11% departure observed over south peninsula

Table 3: % Departure of region-wise seasonal and annual rainfall - Year 2021

REGIONS	WINTER	PRE-MONSOON	SW MONSOON	POST-MONSOON	ANNUAL
COUNTRY AS A WHOLE	-32%	18%	-1%	44%	5%
NORTH WEST INDIA	-51%	9%	-4%	44%	-3%
CENTRAL INDIA	-43%	127%	4%	40%	10%
SOUTH PENINSULA	247%	39%	11%	60%	29%
EAST & NORTH EAST INDIA	-78%	-8%	-12%	13%	-10%

3.2 MONTHLY RAINFALL

The observed monthly rainfalls for the country as a whole and also for the four broad regions of the country are given at Table 4. The percentage (%) departures from normal rainfall are given at Table 5. The country received maximum rainfall in the month of July as 266.2 mm and minimum in the month of February as 7.6 mm. The highest area weighted rainfall of 356.9 mm was recorded in the month of June in East & Northeast India and the least rainfall recorded was 3.6 mm in the month of January in Central India.

RAINFALL STATISTICS FOR THE COUNTRY & BROAD REGIONS

Comparing with Normal, it is observed that for country as whole the maximum positive departure of 86% is in the month of November and maximum negative departure of 68% is in the month of February. For the broad regions of India, it may be observed that, maximum positive departure of 461% was recorded in South Peninsula in the month of January, whereas the maximum negative departure of 88% was observed in the month of February in East & Northeast India.

Table 4: Region-wise actual monthly rainfall (mm) - Year 2021

REGIONS	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
COUNTRY AS A WHOLE	20.2	7.6	16.7	31.1	107.8	182.4	266.2	196.3	229.6	100.8	56.5	20.5
NORTH WEST INDIA	28.4	10.6	27.0	29.7	68.2	85.6	196.6	140.8	153.2	67.0	5.2	8.3
CENTRAL INDIA	3.6	5.1	5.2	9.3	70.6	197.5	298.9	188.4	327.7	59.5	21.9	24.9
SOUTH PENINSULA	46.0	10.2	6.0	43.0	119.2	166.4	274.9	168.4	194.8	184.9	232.6	27.0
EAST & NORTH EAST INDIA	7.8	3.9	34.4	65.1	248.7	356.9	320.4	354.3	212.9	149.6	11.5	26.8

It may be observed (Table 5) that, the country remained with normal to excess rainfall for all the months except for the months of March, April and June when the rainfall was deficient.

Table 5: % Departure of region-wise monthly rainfall - Year 2021

REGIONS	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
COUNTRY AS A WHOLE	17%	-68%	-45%	-21%	74%	9%	-7%	-24%	35%	33%	86%	18%
NORTH WEST INDIA	-15%	-77%	-43%	-7%	95%	14%	-7%	-31%	40%	191%	-56%	-60%
CENTRAL INDIA	-52%	-34%	-38%	4%	251%	17%	-7%	-39%	85%	11%	39%	272%
SOUTH PENINSULA	461%	28%	-58%	29%	62%	4%	27%	-11%	22%	20%	161%	-19%
EAST & NORTH EAST INDIA	-58%	-88%	-46%	-48%	32%	3%	-26%	2%	-25%	16%	-53%	106%

3.3 SOUTHWEST MONSOON – 2021

The rainfall statistics for SW Monsoon months and season for the country is given at Table 6 and its graphical representation is at Figure 2 While the % departure of observed rainfall have been depicted at Figure 3. During the SW Monsoon season, observed rainfall for the country as a whole was -01% from the Normal. On Monthly basis for the country as a whole, rainfall was 9%, -7%, -24% and 35% in the months of June, July, Aug and Sept. respectively.

Table 6: Rainfall (mm) for the country: SW Monsoon Season - 2021

MONTH	OBSERVED	NORMAL	% DEPARTURE FROM NORMAL
JUNE	182.4	166.9	9%
JULY	266.2	285.3	-7%
AUGUST	196.3	258.2	-24%
SEPTEMBER	229.6	170.2	35%
SW MONSOON	874.5	880.6	-1%

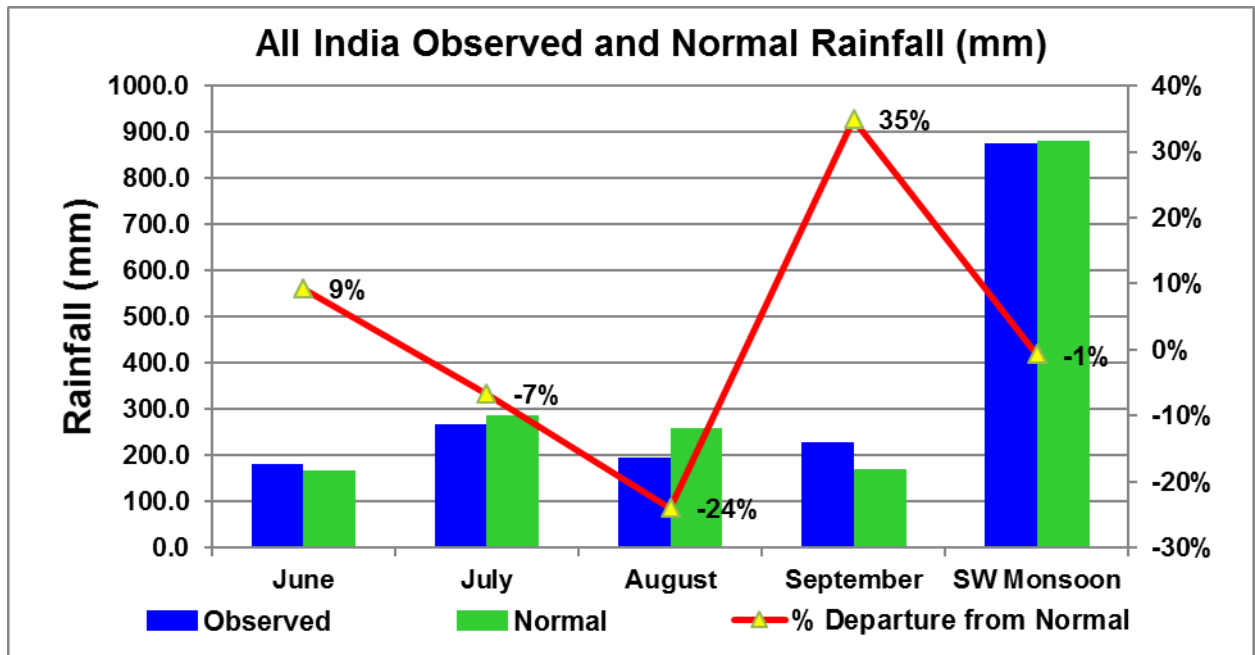


Figure 2: All India Rainfall – SW Monsoon 2021

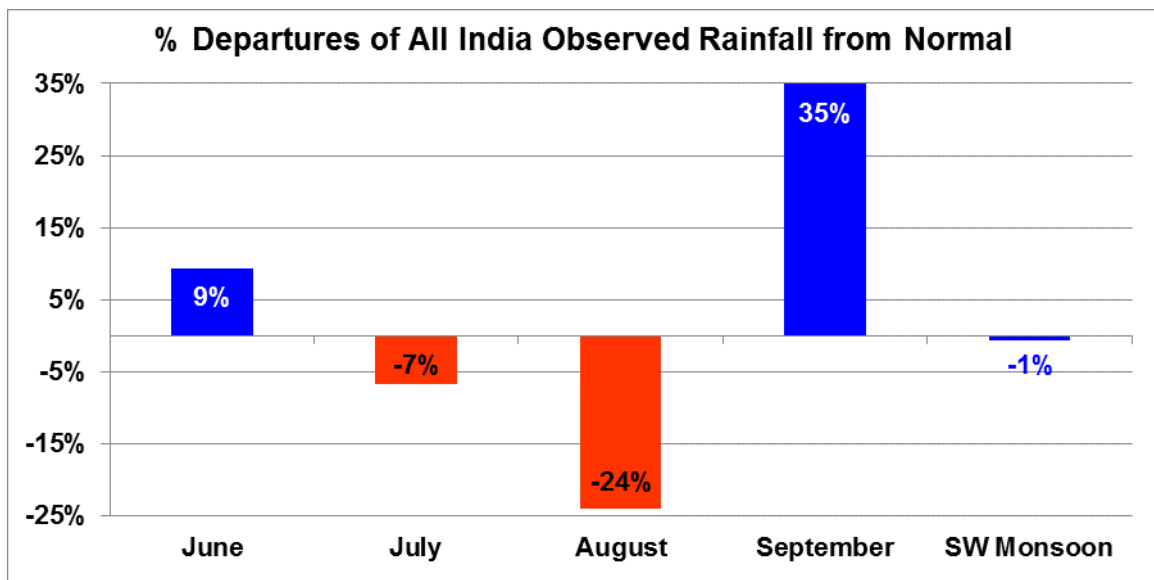


Figure 3: Percent Departure of All India Rainfall – SW Monsoon 2021

3.4 REGION-WISE DAILY RAINFALL SERIES – SW MONSOON 2021

Realtime daily observed rainfall (in mm) and its long term normal (1961-2010) for the country as a whole and for the four homogeneous regions for the season from 1 June to 30 September are shown in Figure 4 to 8. Fig-4 shows that for the country as a whole, averaged observed rainfall was generally above normal on many days during the months of June and September and below normal during July and August with the exception of some days of July where it was above normal. The daily rainfall having below normal value was observed on 66 days of the season. There were two below normal rainfall spells of more

than 10 days for the country as a whole. A Spell of 21 days from 21 June to 11 July and another spell of 17 days from 01 August to 17 August,

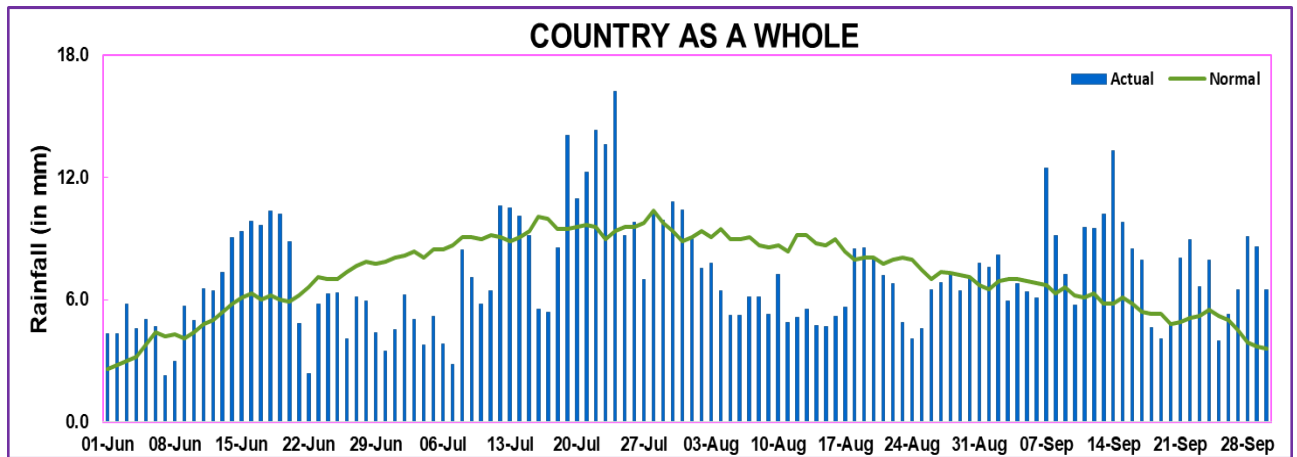


Figure 4: All India Rainfall - SW Monsoon Rainfall Distribution – 2021

Figure 5 shows that For the North West India, the rainfall averaged was generally normal or above normal on many days during September and below normal on many days during June, July and August. The longest below normal rainfall spell was of 22 days from 21 June to 11 July.

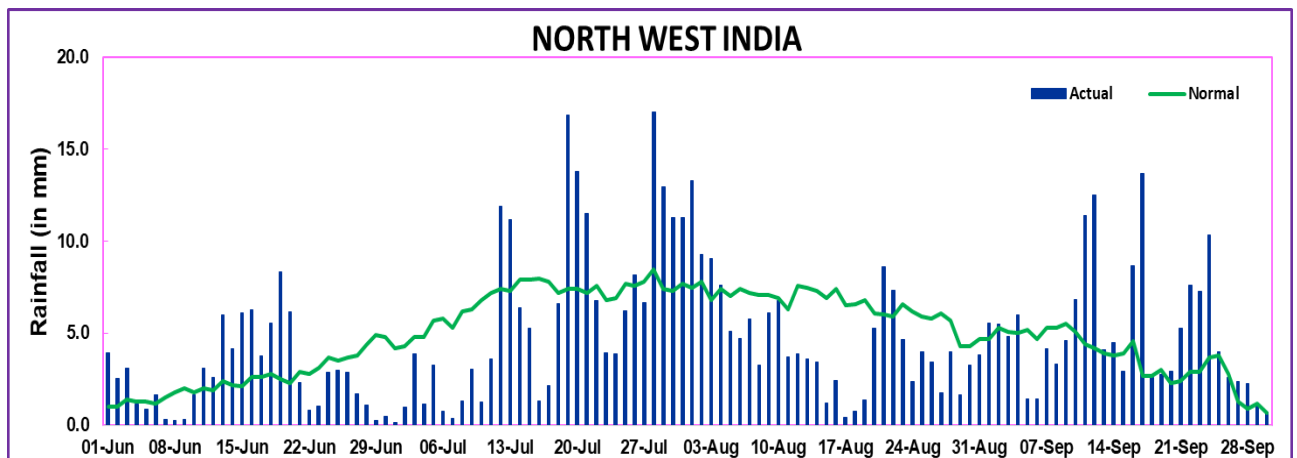


Figure 5: North West India - SW Monsoon Rainfall Distribution – 2021

For the Central India, Figure 6: shows averaged daily rainfall was generally normal or above normal on many days during September and below normal on many days during June, July & August. The longest below normal rainfall spell was of 22 days from 27 July to 17 August, whereas August witnessed only 4 days of above normal rainfall.

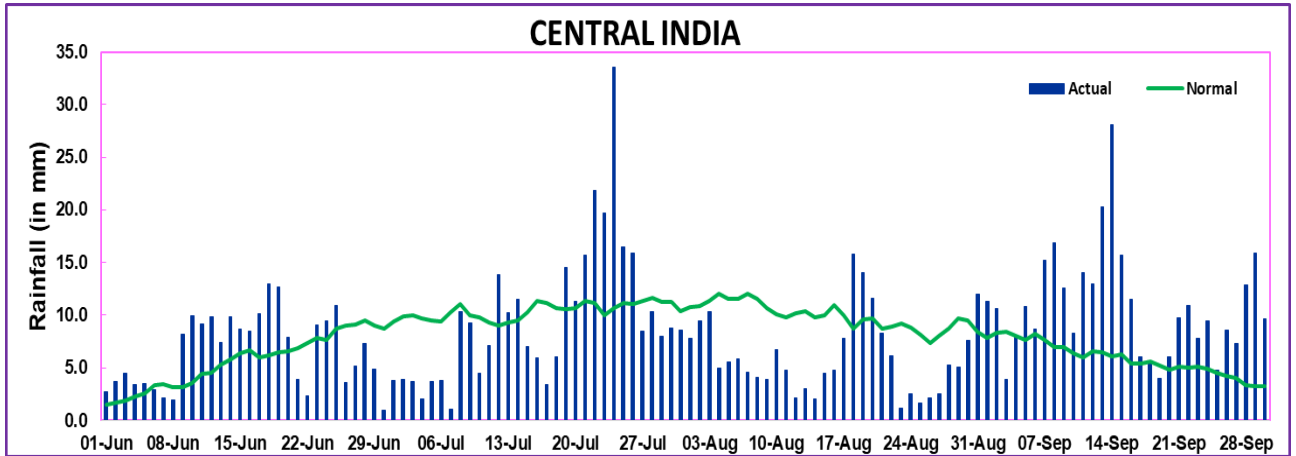


Figure 6: Central India - SW Monsoon Rainfall Distribution – 2021

For the South Peninsula, Figure 7: shows rainfall averaged was generally normal or above normal on many days during July and below normal on many days during June, August & September. The longest below normal rainfall spell was of 22 days from 25 July to 15 August.

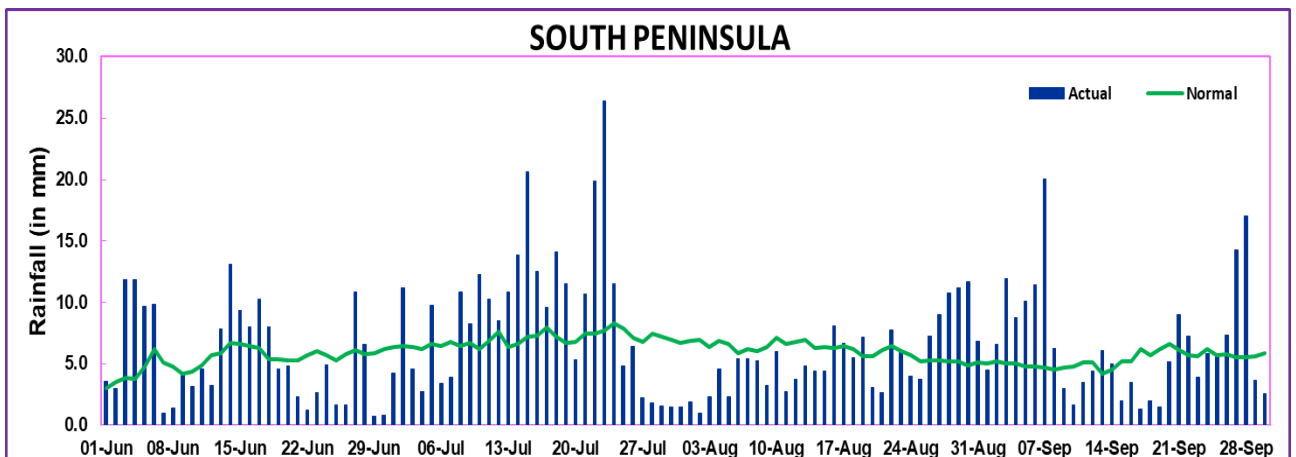


Figure 7: South Peninsula - SW Monsoon Rainfall Distribution – 2021

Figure 8: shows that for the East & North East India averaged daily rainfall was normal or above normal on many days during September and below normal on many days during June, July & August. The longest below normal rainfall spell was of 20 days from 09 July to 28 July.

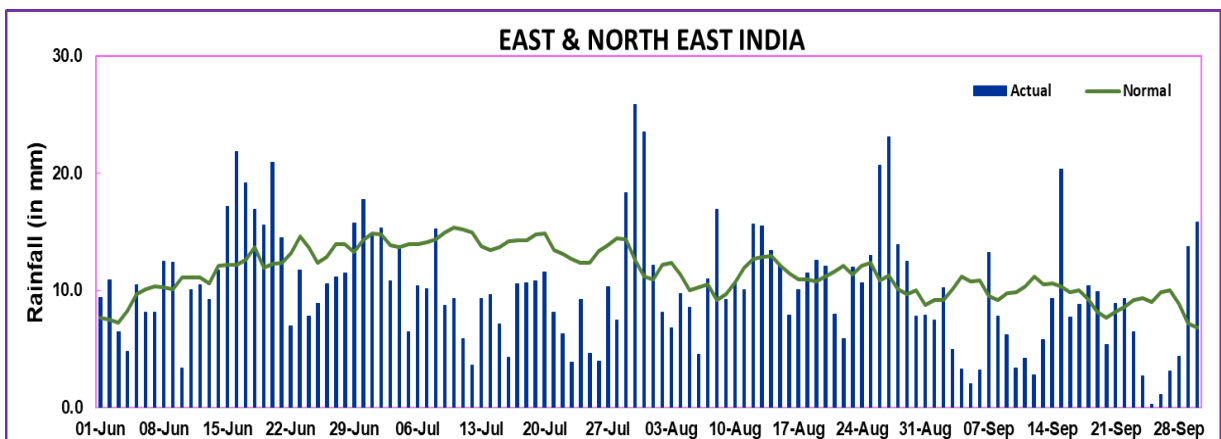


Figure 8: East & North East India - SW Monsoon Rainfall Distribution – 2021

4. RAINFALL STATISTICS FOR METEOROLOGICAL SUBDIVISION

4.1 SEASONAL & ANNUAL

Table 7 & 8 shows Seasonal and annual observed rainfall statistics for the year 2021 for all the 36 Met Subdivisions and the percent departure of rainfall. It may be observed that Konkan & Goa received highest annual rainfall of **4032.5** mm and West Rajasthan received lowest annual rainfall of **375.2** mm. During the SW Monsoon season, Konkan & Goa received highest rainfall of **3558.7** mm and West Rajasthan received lowest rainfall of **317.5** mm.

Table 7: Met. Subdivision-wise seasonal and annual rainfall (mm) - Year 2021

S. No.	METEOROLOGICAL SUBDIVISION	Winter	Pre Monsoon	SW Monsoon	Post Monsoon	Annual
EAST & NORTH EAST INDIA		11.7	347.9	1244.5	188.2	1796.1
1	ARUNACHAL PRADESH	41.8	581.5	1294.0	157.2	2083.8
2	ASSAM & MEGHALAYA	11.2	414.0	1385.8	151.7	1974.5
3	N M M T	6.7	216.7	964.0	152.9	1340.2
4	SHWB & SIKKIM	21.3	467.3	1817.5	310.6	2616.7
5	GANGETIC WEST BENGAL	0.8	284.9	1543.9	283.1	2112.7
6	JHARKHAND	3.6	240.5	1041.5	159.3	1444.8
7	BIHAR	0.7	266.0	1044.3	201.7	1512.7
NORTH WEST INDIA		39.0	125.0	576.2	80.6	820.7
1	EAST U.P.	1.7	115.0	867.8	93.6	1078.1
2	WEST U.P.	16.2	67.0	573.7	93.9	750.7
3	UTTARAKHAND	44.5	244.2	1156.1	219.6	1664.5
4	HAR. CHD & DELHI	26.2	55.2	576.7	28.9	686.7
5	PUNJAB	13.0	49.7	436.8	34.8	534.4
6	HIMACHAL PRADESH	57.7	213.7	690.9	75.4	1037.6
7	JAMMU & KASHMIR	122.6	248.0	401.6	122.6	894.7
8	WEST RAJASTHAN	3.6	39.3	317.5	14.8	375.2
9	EAST RAJASTHAN	15.7	73.5	696.6	67.8	853.6
CENTRAL INDIA		8.6	85.1	1012.5	106.4	1212.6
1	ODISHA	4.2	188.6	1045.1	182.9	1420.8
2	WEST MADHYA PRADESH	6.5	46.9	981.8	93.2	1128.5
3	EAST MADHYA PRADESH	12.6	96.9	891.8	44.7	1046.0
4	GUJARAT REGION	2.6	56.8	788.8	61.2	909.5
5	SAURASHTRA & KUTCH	0.0	44.5	626.6	37.0	708.2
6	KONKAN & GOA	15.4	192.5	3558.7	265.8	4032.5
7	MADHYA MAHARASHTRA	20.5	62.4	872.7	181.0	1136.5
8	MARATHWADA	10.8	36.9	989.5	120.0	1157.1
9	VIDARBHA	5.0	44.4	968.3	78.1	1095.9
10	CHHATTISGARH	12.8	97.3	1107.7	91.9	1309.6
SOUTH PENINSULA		56.2	168.3	804.5	444.5	1473.5
1	A & N ISLAND	91.5	602.6	2025.0	774.4	3493.4
2	COASTAL A. P. & YANAM	16.8	97.9	704.3	360.6	1179.6
3	TELANGANA	3.5	66.7	1044.2	94.2	1208.5

4. RAINFALL STATISTICS FOR METEOROLOGICAL SUBDIVISION

4	RAYALASEEMA	34.8	113.7	488.2	469.7	1106.5
5	TAMIL., PUDU. & KARAIKAL	151.5	120.7	393.3	714.3	1379.9
6	COASTAL KARNATAKA	76.8	457.1	2800.9	557.4	3892.2
7	N. I. KARNATAKA	12.5	114.3	603.1	173.0	902.9
8	S. I. KARNATAKA	48.6	179.1	701.6	500.8	1430.1
9	KERALA & MAHE	114.1	746.8	1719.1	1026.3	3606.3
10	LAKSHADWEEP	216.9	514.6	790.9	376.3	1898.7
COUNTRY AS A WHOLE		27.8	155.6	874.5	177.9	1236.4

On comparing the annual rainfall departures at Table 8, it may be observed that, most of the Met. Subdivisions remained either in “Large Excess”, Excess or in Normal rainfall category except for 5 Met. Subdivisions namely Arunachal Pradesh, Assam & Meghalaya, NMMT, Himachal Pradesh and J & K and Ladakh where is was under Deficient category. None of the Met. Subdivisions remained in Large Deficient category.

During SW Monsoon season also, no Met. Subdivision remained in “Large Deficient” rainfall category while 6 Met. Subdivision i.e., Arunachal Pradesh, Assam & Meghalaya, NMMT, West Uttar Pradesh, J & K and Ladakh and Lakshadweep remained in Deficient rainfall category. For the Monsoon season as well as annually none of the 36 Met. Subdivisions except NMMT recorded the rainfall that was 38% below Normal

Table 8: % Departure of Met. Subdivision-wise seasonal and annual rainfall

S. No.	METEOROLOGICAL SUBDIVISION	Winter	Pre Monsoon	SW Monsoon	Post Monsoon	Annual
EAST & NORTH EAST INDIA		-78%	-8%	-12%	13%	-10%
1	ARUNACHAL PRADESH	-72%	-25%	-25%	-41%	-28%
2	ASSAM & MEGHALAYA	-76%	-30%	-22%	-23%	-24%
3	N M M T	-82%	-55%	-32%	-31%	-38%
4	SHWB & SIKKIM	-54%	6%	-8%	73%	-1%
5	GANGETIC WEST BENGAL	-98%	53%	31%	81%	36%
6	JHARKHAND	-87%	189%	-1%	76%	15%
7	BIHAR	-97%	226%	3%	176%	27%
NORTH WEST INDIA		-51%	9%	-4%	44%	-3%
1	EAST U.P.	-93%	255%	3%	96%	14%
2	WEST U.P.	-45%	124%	-20%	187%	-8%
3	UTTARAKHAND	-56%	57%	-2%	263%	11%
4	HAR. CHD & DELHI	-15%	40%	30%	43%	28%
5	PUNJAB	-73%	-10%	-7%	32%	-11%
6	HIMACHAL PRADESH	-70%	-12%	-10%	-18%	-20%
7	J & K AND LADAKH	-45%	-26%	-29%	-8%	-29%
8	WEST RAJASTHAN	-59%	75%	20%	28%	22%
9	EAST RAJASTHAN	57%	287%	16%	163%	30%
CENTRAL INDIA		-43%	127%	4%	40%	10%
1	ODISHA	-86%	47%	-10%	39%	-2%
2	WEST MADHYA PRADESH	-48%	264%	14%	83%	21%
3	EAST MADHYA	-62%	311%	-15%	-22%	-10%

	PRADESH					
4	GUJARAT REGION	73%	802%	-15%	106%	-5%
5	SAURASHTRA & KUTCH	-100%	1013%	24%	35%	31%
6	KONKAN & GOA	2107%	435%	24%	90%	32%
7	MADHYA MAHARASHTRA	607%	92%	16%	76%	28%
8	MARATHWADA	57%	35%	48%	20%	44%
9	VIDARBHA	-72%	62%	3%	-4%	2%
10	CHHATTISGARH	-40%	137%	-3%	20%	2%
	SOUTH PENINSULA	247%	39%	11%	60%	29%
1	A & N ISLAND	21%	29%	22%	15%	22%
2	COASTAL A. P. & YANAM	-25%	-1%	20%	7%	13%
3	TELANGANA	-76%	12%	39%	-24%	27%
4	RAYALASEEMA	330%	39%	19%	110%	53%
5	TAMIL, PUDU. & KARAIKAL	439%	-4%	17%	59%	47%
6	COASTAL KARNATAKA	2973%	194%	-10%	117%	11%
7	N. I. KARNATAKA	141%	43%	21%	25%	25%
8	S. I. KARNATAKA	738%	28%	3%	145%	39%
9	KERALA & MAHE	409%	107%	-16%	109%	23%
10	LAKSHADWEEP	761%	153%	-22%	17%	21%
	COUNTRY AS A WHOLE	-32%	18%	-1%	44%	5%

4.2 CATEGORY-WISE SEASONAL AND ANNUAL

Statistics for the year 2021 in Table 9 show that annually, **18** Met. Subdivisions remained in Excess and **13** in Normal category of rainfall while **5** Met. Subdivision remained in Deficient category of rainfall. Statistics and chart for category wise seasonal and annual distribution of no. of Met. Subdivisions have been given in Table 9 and Figure 9 respectively.

Table 9: Category wise number of Met. Subdivisions - seasonally and annually

CATEGORY	WINTER	PRE-MONSOON	SW MONSOON	POST-MONSOON	ANNUAL
L. EXCESS	10	17	0	16	0
EXCESS	3	9	10	9	18
NORMAL	1	6	20	6	13
DEFICIENT	8	4	6	5	5
L. DEFICIENT	13	0	0	0	0
NO RAIN	1	0	0	0	0

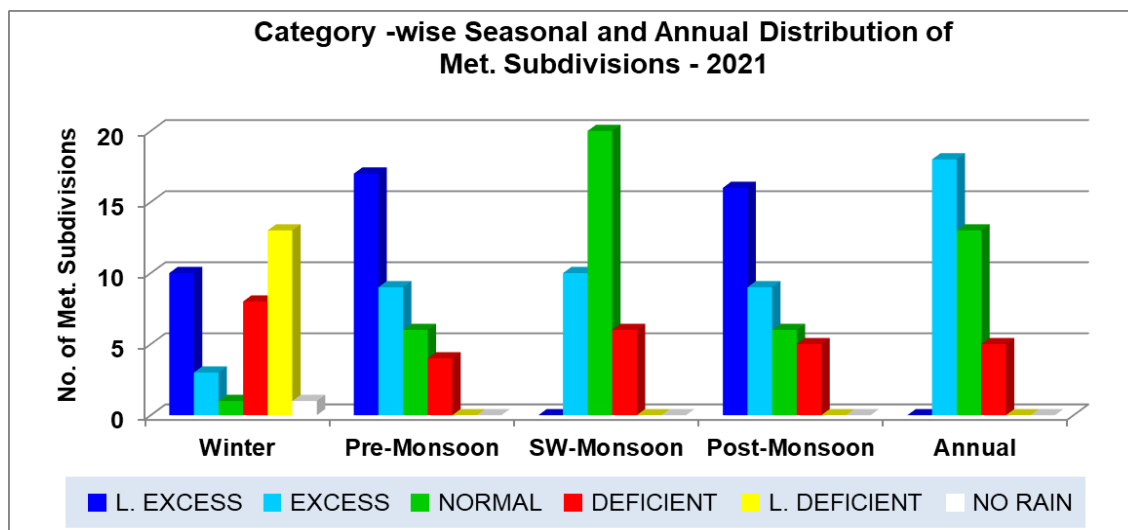


Figure 9: Category-wise Met. Subdivisions – seasonally and annually

Percent distribution of Met. Subdivisional area of the country under different categories in the four seasons and for the year has been depicted in Table 10 and Figure 10.

Table 10: % Distribution of Met. Subdivisional Area - seasonally and annually

CATEGORY	Winter	Pre-Monsoon	SW-Monsoon	Post-Monsoon	Annual
LARGE EXCESS	20%	52%	0%	41%	0%
EXCESS	7%	19%	25%	30%	48%
NORMAL	2%	14%	58%	14%	36%
DEFICIENT	30%	15%	17%	15%	16%
LARGE DEFICIENT	38%	0%	0%	0%	0%
NO RAIN	3%	0%	0%	0%	0%
NO DATA	0%	0%	0%	0%	0%

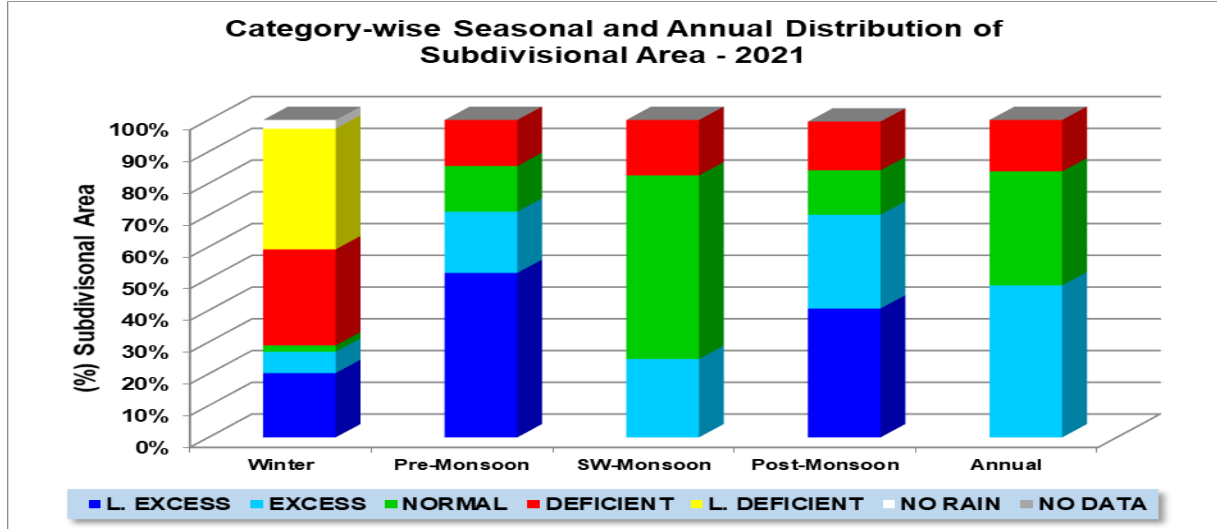


Figure 10: Area of the Met. Subdivisions under different rainfall categories- Seasonal & Annual

4.3 AREA (%) UNDER RAINFALL DEFICIENCY– SW Monsoon 2021

Area (%) of the 36 Met. Subdivisions of India under different categories of rainfall deficiency during SW Monsoon (June-September) have been given below in tabular form in Table 11 and has been depicted in graphical form in Figure 11 as well.

Table 11: Met. Subdivisional Area (%) under Rainfall Deficiency – SW Monsoon 2021

Deficiency in Rainfall	Deficiency	% Area of Met. Subdivisions of India
< 26 %	No	91%
26 % or more but < 50 %	Moderate	9%
50 % or more	Severe	0%

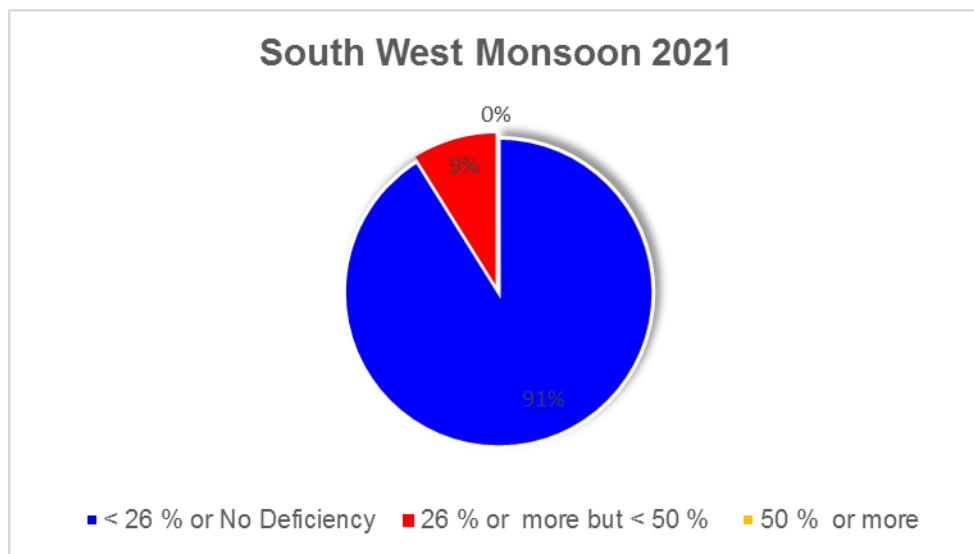
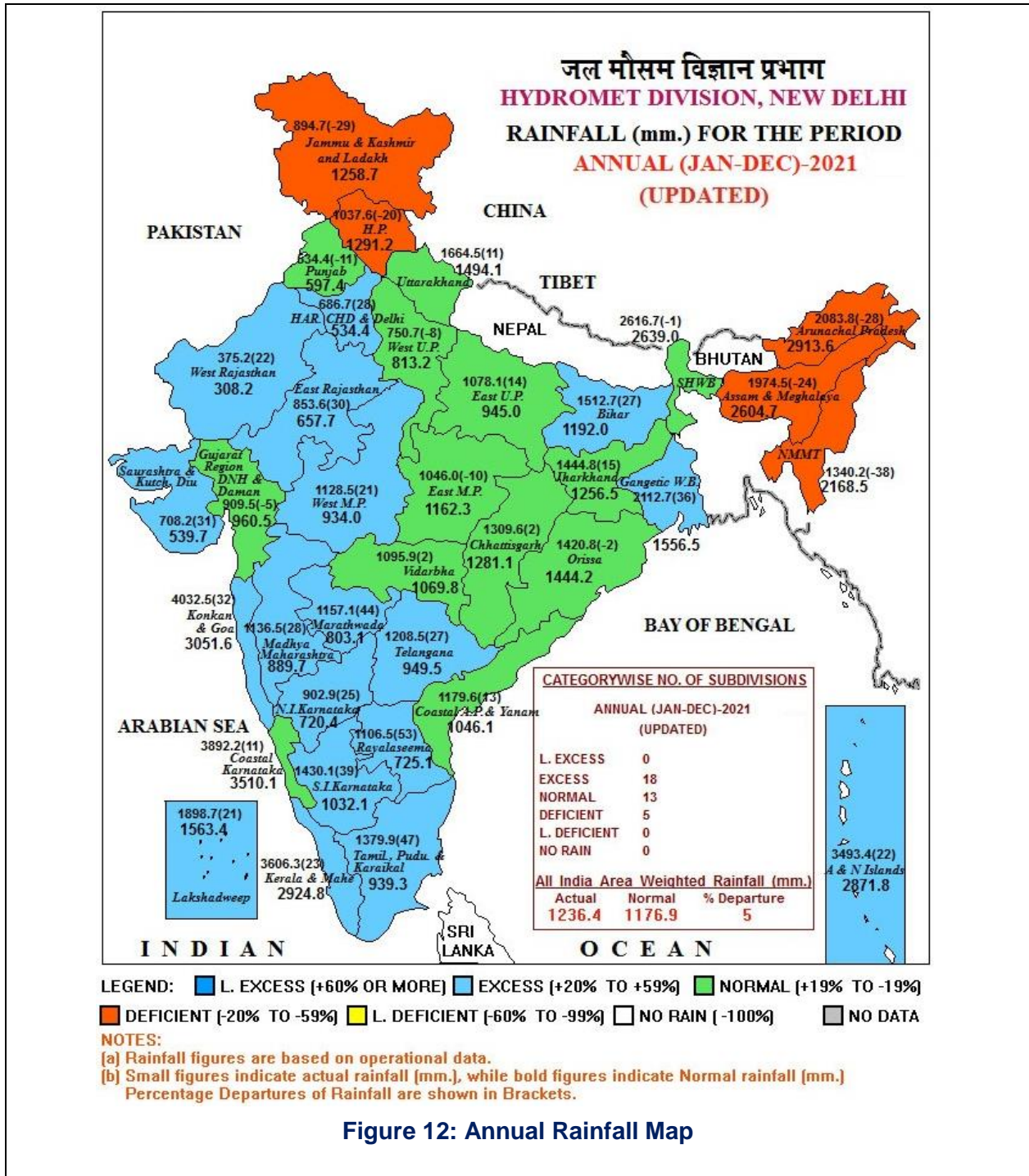


Figure 11: Met. Subdivisional Area (%) under Rainfall Deficiency – SW Monsoon 2021

4.4 ANNUAL & SEASONAL RAINFALL MAPS

Met. Subdivision-wise rainfall maps for the year 2021 and for the four seasons depicting the observed and normal rainfall values along with their percentage departure from Normal with colors defined for different categories are given below at Figure 12 to Figure 16.

The normal rainfall values are shown in bold figures on the map whereas the actual rainfall are shown in small figures. Percentage departures of rainfall are shown within the brackets.



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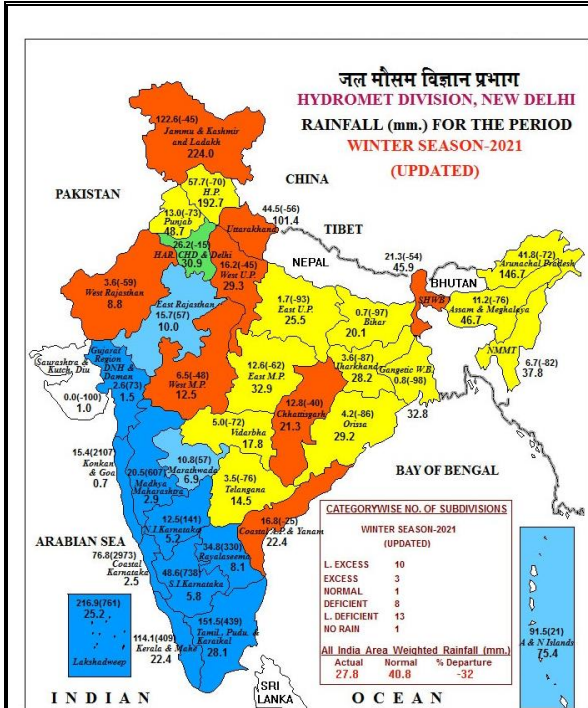


Figure 13: Winter Rainfall Map

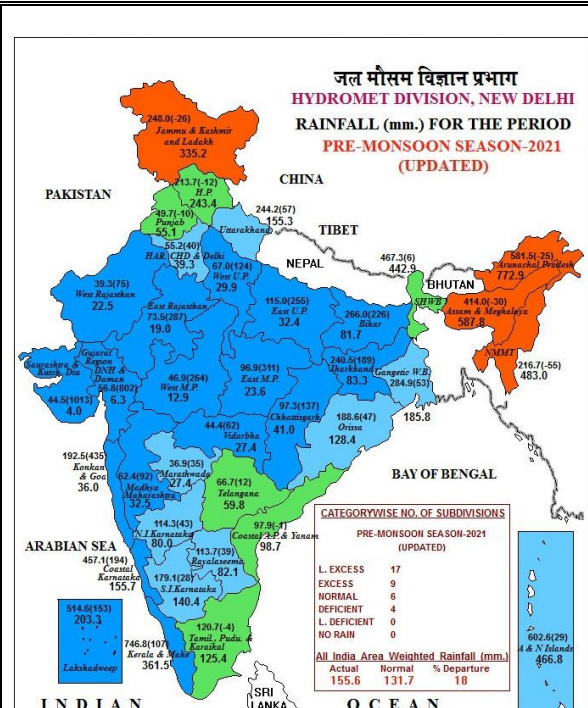


Figure 14: Pre-Monsoon Rainfall Map

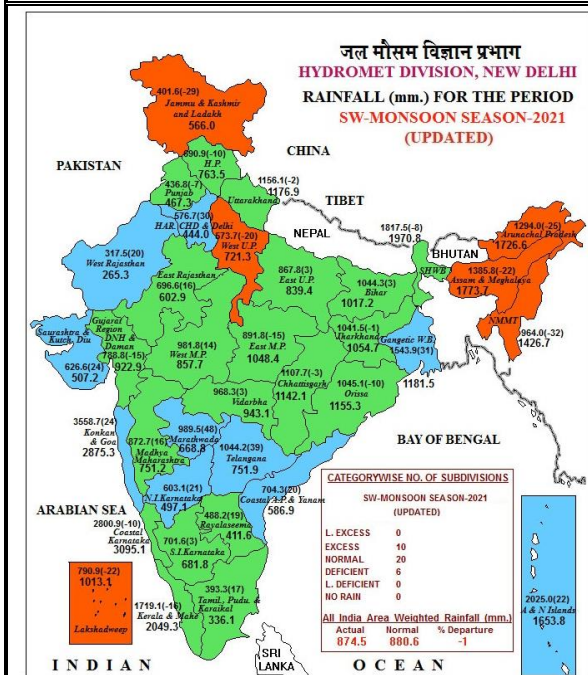


Figure 15: SW Monsoon Rainfall Map

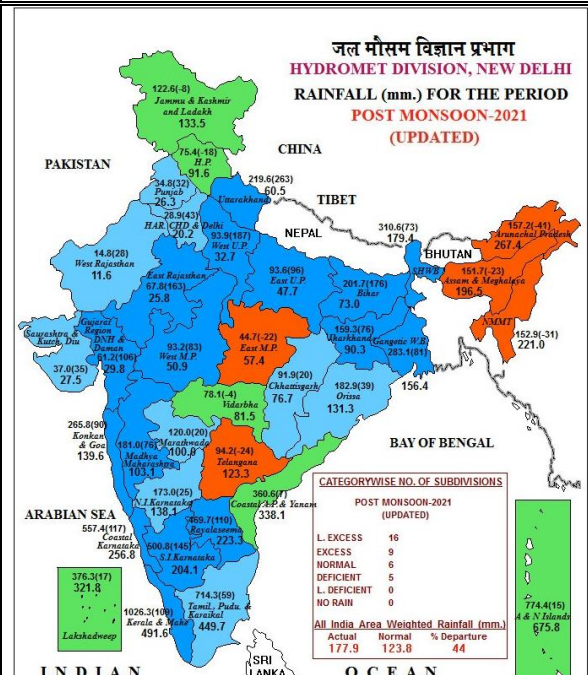


Figure 16: Post-Monsoon Rainfall Map

Large Excess [60% or more] Excess [20% to 59%] Normal [-19% to 19%] Deficient [-59% to -20%] Large Deficient [-99% to -60%] No Rain [-100%] No Data

NOTES :
a) Rain Fall figures are based on operation data.
b) Small figures indicate actual rainfall (mm), while bold figures indicate Normal rainfall (mm).
c) Percentage Departures of rainfall are shown in brackets.

4.6 MONTHLY RAINFALL STATISTICS

Met. Subdivision-wise monthly observed rainfall and % departure of rainfall from their normal have been given in Table 12 and Table 13 respectively.

Table 12: Met. Subdivision-wise monthly rainfall (mm) - Year 2021

METEOROLOGICAL SUB-DIVISIONS	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
EAST & NORTH EAST INDIA	7.8	3.9	34.4	65.1	248.7	356.9	320.4	354.3	212.9	149.6	11.5	26.8
ARUNACHAL PRADESH	29.1	12.7	98.4	183.7	296.5	377.3	266.8	508.7	141.2	124.6	13.9	16.8
ASSAM & MEGHALAYA	8.8	2.3	43.5	102.1	272.5	452.5	346.3	417.4	169.6	137.9	3.0	10.8
N M M T	5.8	0.9	36.4	41.5	138.8	240.6	267.1	266.6	189.7	88.9	10.6	53.5
SHWB & SIKKIM	8.5	12.8	57.5	103.5	306.3	469.9	491.3	618.5	237.9	291.6	7.1	11.8
GANGETIC WEST BENGAL	0.1	0.7	4.8	22.3	257.7	371.6	420.2	263.2	488.9	189.9	25.9	67.3
JHARKHAND	1.0	2.6	9.3	7.3	223.9	266.8	319.5	200.0	255.2	111.7	24.0	23.5
BIHAR	0.2	0.5	1.4	5.0	259.6	354.3	258.3	328.7	103.0	189.6	0.0	12.0
NORTH WEST INDIA	28.4	10.6	27.0	29.7	68.2	85.6	196.6	140.8	153.2	67.0	5.2	8.3
EAST U.P.	0.3	1.4	0.4	3.3	111.4	203.9	203.6	260.3	199.9	87.4	0.0	6.2
WEST U.P.	13.2	3.0	0.6	1.4	65.0	73.8	226.3	146.0	127.6	92.0	0.3	1.5
UTTARAKHAND	27.3	17.2	11.0	57.7	175.5	262.9	371.6	307.6	214.0	203.2	1.0	15.4
HAR. CHD & DELHI	21.3	4.9	4.2	4.4	46.5	48.4	255.5	84.0	188.9	26.1	0.0	2.8
PUNJAB	10.4	2.6	6.9	18.9	23.9	49.7	173.7	70.3	143.2	34.6	0.1	0.1
HIMACHAL PRADESH	38.4	19.3	41.7	111.8	60.1	84.6	289.0	146.0	171.3	56.7	1.1	17.6
J & K AND LADAKH	87.3	35.3	103.9	83.2	61.0	38.2	212.3	74.1	76.9	101.0	4.9	16.6
WEST RAJASTHAN	3.6	0.0	1.0	2.6	35.7	50.2	80.7	38.3	148.3	11.1	0.9	2.8
EAST RAJASTHAN	15.5	0.2	3.3	0.9	69.3	56.7	194.0	236.7	209.3	33.3	26.2	8.3
CENTRAL INDIA	3.6	5.1	5.2	9.3	70.6	197.5	298.9	188.4	327.7	59.5	21.9	24.9
ODISHA	1.3	2.9	5.1	26.0	157.5	181.3	275.0	204.9	384.0	80.4	53.7	48.8
WEST MADHYA PRADESH	4.6	1.9	8.3	0.7	38.0	138.1	290.1	309.0	244.8	76.2	7.1	9.9
EAST MADHYA PRADESH	1.5	11.1	7.0	2.2	87.8	203.2	267.4	206.3	214.8	28.7	3.0	13.0
GUJARAT REGION	2.5	0.1	0.0	0.3	56.6	137.2	189.8	83.7	378.1	19.5	21.8	19.9
SAURASHTRA & KUTCH	0.0	0.0	0.0	2.0	42.6	68.5	116.4	18.3	423.4	28.6	5.7	2.8
KONKAN & GOA	5.6	9.8	0.2	3.9	188.5	962.5	1433.7	394.5	768.0	116.2	75.9	73.8
MADHYA MAHARASHTRA	15.6	4.9	4.3	16.7	41.3	189.3	297.3	129.1	257.0	92.3	37.7	50.9
MARATHWADA	2.4	8.4	6.1	6.0	24.8	181.1	243.7	173.3	391.4	95.9	16.3	7.7
VIDARBHA	0.8	4.2	11.7	6.5	26.2	203.5	293.3	174.8	296.8	56.5	5.7	15.9
CHHATTISGARH	2.3	10.5	4.0	18.1	75.2	244.4	331.7	221.5	310.2	39.5	23.0	29.4
SOUTH PENINSULA	46.0	10.2	6.0	43.0	119.2	166.4	274.9	168.4	194.8	184.9	232.6	27.0
A & N ISLAND	42.7	48.8	38.3	150.2	414.1	315.9	535.3	506.5	667.3	413.1	265.7	95.5
COASTAL A. P. & YANAM	10.7	6.1	0.7	26.3	70.8	82.5	216.3	169.0	236.5	98.8	245.3	16.5
TELANGANA	1.7	1.7	0.4	23.4	42.9	195.7	365.7	192.8	290.1	59.1	33.6	1.5
RAYALASEEMA	22.8	12.0	0.0	31.7	82.0	113.6	183.4	96.5	94.8	146.4	302.0	21.4
TAMIL., PUDU. & KARAİKAL	139.3	12.2	7.4	36.8	76.6	62.3	124.6	88.9	117.6	228.6	425.3	60.4
COASTAL KARNATAKA	62.7	14.1	16.5	72.8	367.7	764.3	1032.4	495.8	508.5	289.1	227.3	41.0
N. I. KARNATAKA	8.1	4.5	1.0	33.5	79.8	165.2	192.6	112.6	132.6	87.9	72.4	12.6
S. I. KARNATAKA	26.6	22.0	1.9	58.4	118.8	165.9	269.5	150.9	115.3	266.1	211.6	23.1
KERALA & MAHE	105.5	8.6	49.7	127.6	569.5	408.3	577.4	416.3	317.2	589.5	394.5	42.3
LAKSHADWEEP	167.5	49.3	9.3	95.8	409.5	160.0	156.5	319.5	154.9	160.1	165.1	51.1
COUNTRY AS A WHOLE	20.2	7.6	16.7	31.1	107.8	182.4	266.2	196.3	229.6	100.8	56.5	20.5

4. RAINFALL STATISTICS FOR METEOROLOGICAL SUBDIVISION

It may be observed (Table 13) that February, March, April and August months are having below normal rainfall for many of the Met subdivisions and country as a whole.

Table 13: % Departure of Met. Subdivision-wise monthly rainfall (mm) - Year 2021

METEOROLOGICAL SUBDIVISIONS	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
EAST & NORTH EAST INDIA	-58%	-88%	-46%	-48%	32%	3%	-26%	2%	-25%	16%	-53%	106%
ARUNACHAL PRADESH	-38%	-87%	-46%	-39%	3%	-23%	-49%	41%	-60%	-33%	-69%	-55%
ASSAM & MEGHALAYA	-43%	-93%	-44%	-47%	-14%	-9%	-38%	3%	-46%	-12%	-89%	-1%
N M M T	-52%	-96%	-45%	-72%	-48%	-40%	-31%	-25%	-33%	-46%	-76%	353%
SHWB & SIKKIM	-47%	-57%	3%	-17%	17%	-3%	-22%	29%	-38%	92%	-60%	18%
GANGETIC WEST BENGAL	-99%	-96%	-84%	-55%	144%	45%	26%	-16%	77%	49%	21%	810%
JHARKHAND	-92%	-84%	-38%	-63%	361%	33%	-1%	-33%	9%	50%	167%	256%
BIHAR	-98%	-95%	-82%	-70%	356%	111%	-26%	15%	-52%	208%	-100%	123%
NORTH WEST INDIA	-15%	-77%	-43%	-7%	95%	14%	-7%	-31%	40%	191%	-56%	-60%
EAST U.P.	-98%	-90%	-94%	-46%	465%	88%	-28%	-1%	7%	134%	-99%	-1%
WEST U.P.	7%	-82%	-93%	-75%	325%	-3%	-7%	-43%	-12%	315%	-91%	-77%
UTTARAKHAND	-34%	-71%	-80%	66%	168%	48%	-9%	-23%	10%	476%	-86%	-14%
HAR. CHD & DELHI	49%	-70%	-65%	-44%	141%	1%	63%	-47%	136%	164%	-99%	-57%
PUNJAB	-50%	-91%	-71%	40%	34%	-1%	-1%	-56%	77%	288%	-97%	-99%
HIMACHAL PRADESH	-57%	-81%	-62%	70%	-10%	-16%	6%	-44%	34%	106%	-95%	-60%
J & K AND LADAKH	-6%	-73%	-32%	-19%	-24%	-48%	4%	-60%	-25%	183%	-85%	-74%
WEST RAJASTHAN	25%	-100%	-78%	-47%	172%	36%	-21%	-56%	283%	61%	-66%	42%
EAST RAJASTHAN	252%	-97%	-5%	-75%	487%	-15%	-11%	7%	120%	138%	228%	118%
CENTRAL INDIA	-52%	-34%	-38%	4%	251%	17%	-7%	-39%	85%	11%	39%	272%
ODISHA	-90%	-83%	-78%	-23%	122%	-17%	-20%	-44%	69%	-20%	119%	639%
W MADHYA PRADESH	-30%	-68%	89%	-68%	493%	30%	1%	2%	52%	157%	-45%	21%
E MADHYA PRADESH	-90%	-34%	-36%	-54%	997%	45%	-22%	-44%	8%	-16%	-75%	16%
GUJARAT REGION	147%	-75%	-100%	-62%	1130%	-1%	-44%	-72%	154%	9%	116%	1008%
SAURASHTRA & KUTCH	-100%	-100%	-100%	560%	1476%	-27%	-40%	-87%	453%	81%	-47%	155%
KONKAN & GOA	1029%	4799%	-83%	93%	471%	40%	34%	-48%	114%	5%	220%	1266%
MADHYA MAHARASHTRA	875%	277%	49%	132%	85%	21%	23%	-34%	64%	26%	61%	709%
MARATHWADA	-44%	235%	1%	9%	56%	31%	36%	-7%	137%	34%	-20%	-1%
VIDARBHA	-92%	-46%	13%	0%	150%	19%	-4%	-43%	87%	-2%	-61%	75%
CHHATTISGARH	-79%	3%	-62%	46%	318%	26%	-12%	-39%	48%	-34%	126%	314%
SOUTH PENINSULA	461%	28%	-58%	29%	62%	4%	27%	-11%	22%	20%	161%	-19%
A & N ISLAND	-17%	105%	37%	102%	14%	-24%	33%	24%	56%	46%	11%	-38%
COASTAL A. P. & YANAM	10%	-52%	-95%	18%	13%	-22%	37%	4%	46%	-48%	109%	-44%
TELANGANA	-78%	-74%	-97%	33%	43%	50%	57%	-15%	78%	-36%	39%	-77%
RAYALASEEMA	534%	167%	-100%	70%	52%	60%	98%	-11%	-32%	13%	330%	-8%
TAMIL., PUDU. & KARAİKAL	799%	-3%	-66%	-7%	19%	21%	70%	-4%	-1%	29%	137%	-35%
COASTAL KARNATAKA	3590%	1661%	112%	178%	202%	-12%	-8%	-39%	66%	55%	281%	269%
N. I. KARNATAKA	168%	104%	-86%	43%	62%	54%	56%	-8%	-8%	-17%	179%	104%
S. I. KARNATAKA	1108%	511%	-83%	38%	37%	15%	26%	-15%	-21%	88%	318%	94%
KERALA & MAHE	1156%	-39%	52%	21%	155%	-36%	-20%	-2%	22%	94%	157%	22%

LAKSHADWEEP	988%	403%	-13%	172%	160%	-52%	-47%	43%	-6%	12%	32%	-6%
COUNTRY AS A WHOLE	17%	-68%	-45%	-21%	74%	9%	-7%	-24%	35%	33%	86%	18%

4.7 CATEGORY-WISE MONTHLY DISTRIBUTION

The statistics and chart for monthly distribution of no. of Met. Subdivisions in different categories are given below in Table 14 and Figure 17 respectively.

It may be observed (Table 14) that more Met. Subdivision were in “Above Normal” rainfall category from month of April to December except for the month of August & November when they are equal to Deficient/Large Deficient category.

Months of January, February and March have more number of subdivisions in the large deficient/deficient/No Rain category.

Table 14: Category-wise monthly number of Met. Subdivisions - Year 2021

Category	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
L. EXCESS	11	9	2	9	22	3	3	0	14	15	14	15
EXCESS	2	0	3	6	5	13	9	4	6	7	3	3
NORMAL	4	2	5	6	7	12	11	14	8	8	1	8
DEFICIENT	9	5	6	8	2	8	13	15	7	6	3	5
L. DEFICIENT	9	18	17	7	0	0	0	3	1	0	14	5
NO RAIN	1	2	3	0	0	0	0	0	0	0	1	0
NO DATA	0	0	0	0	0	0	0	0	0	0	0	0

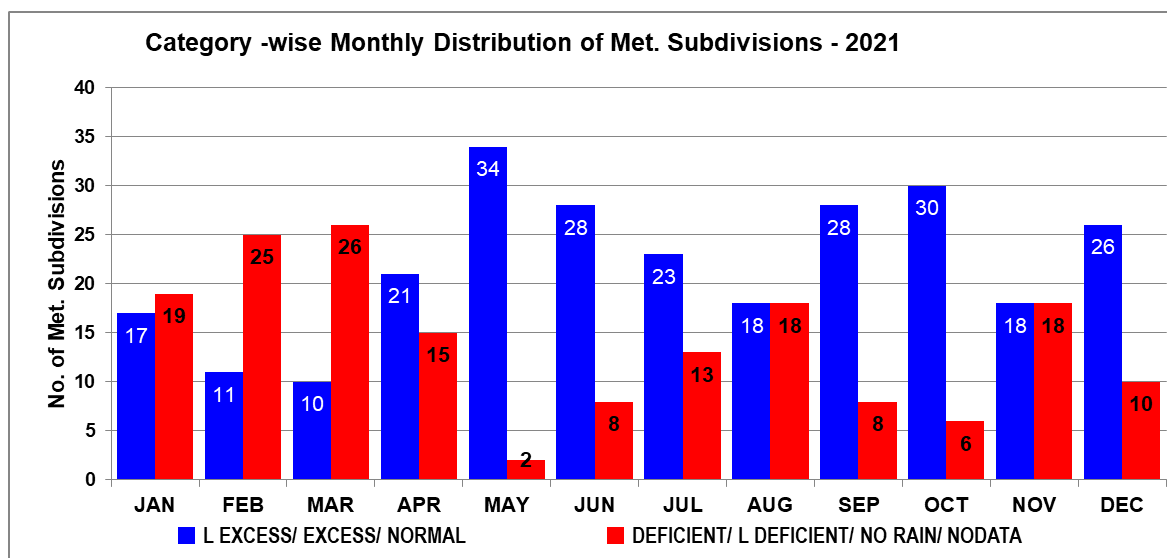


Figure 17: Category-wise distribution of Met. Subdivisions – Monthly - Year 2021

4.8 MONTHLY RAINFALL MAPS

Met. Subdivision-wise rainfall maps depicting the monthly observed and normal rainfall, percent departure from the normal rainfall shaded with category-wise defined colors have been given at Figure 18 to Figure 29. Bold figures on the map are the normal rainfall values where as small figures indicate the actual rainfall. Percentage departures of rainfall are shown within the brackets.

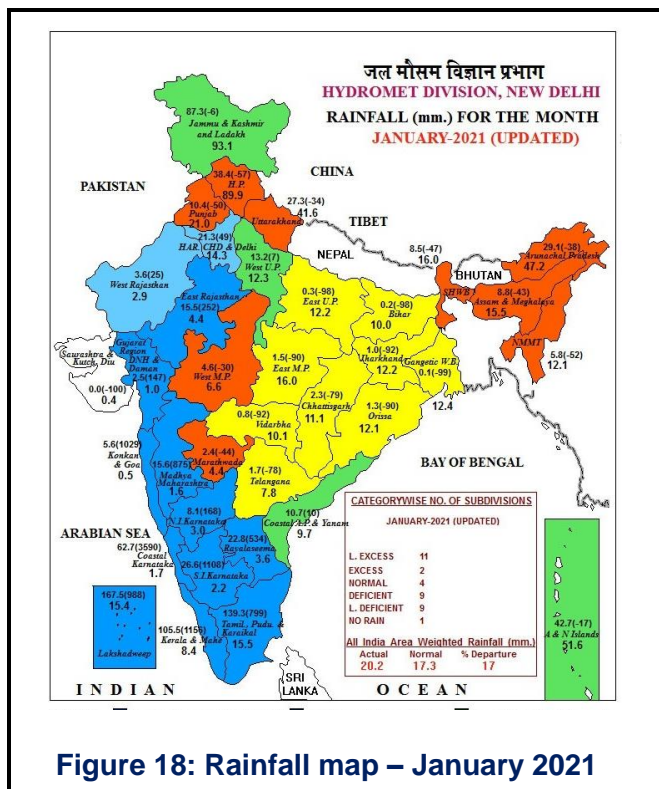


Figure 18: Rainfall map – January 2021

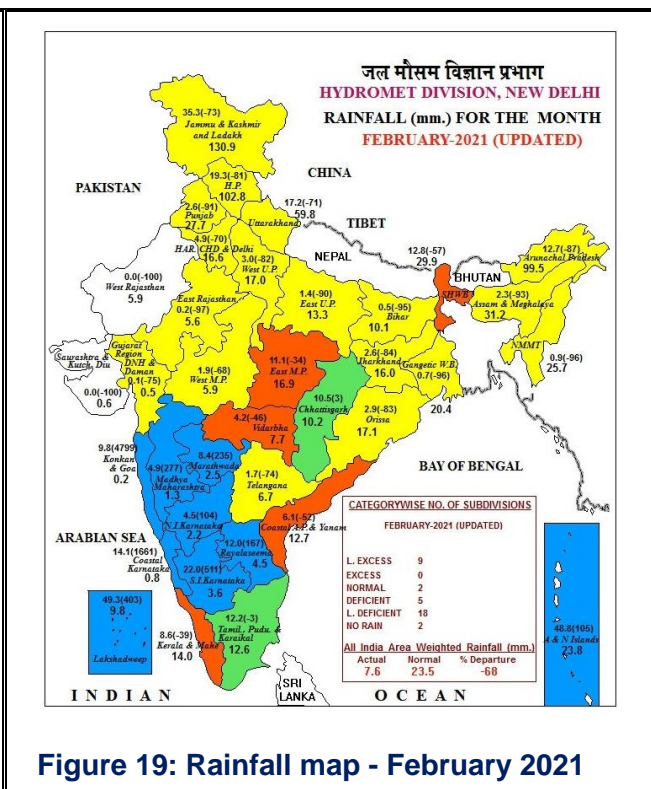


Figure 19: Rainfall map - February 2021

4. RAINFALL STATISTICS FOR METEOROLOGICAL SUBDIVISION

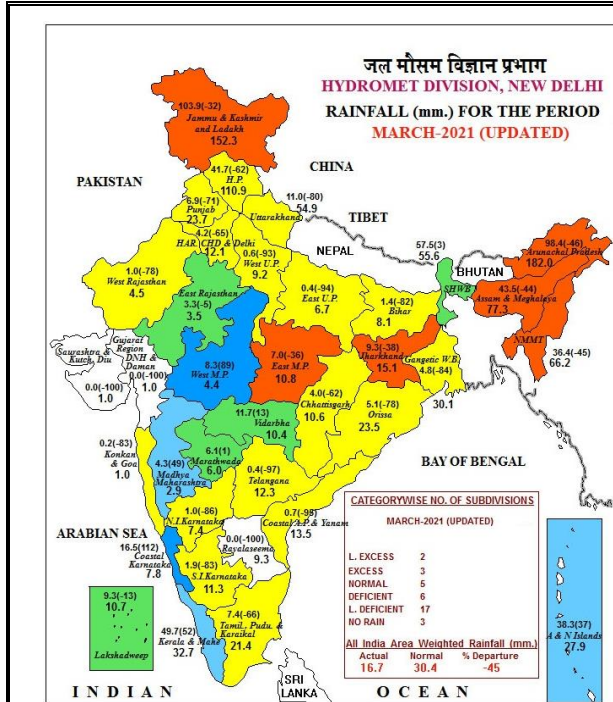


Figure 20: Rainfall map - March 2021

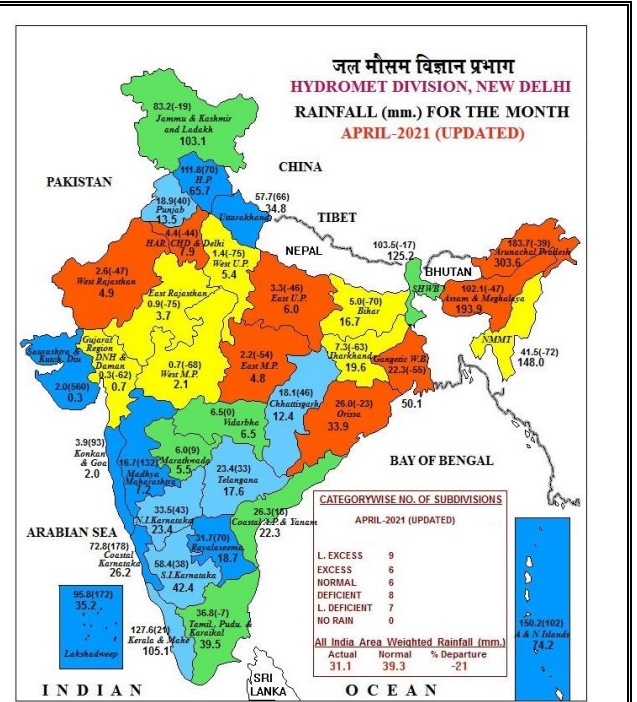


Figure 21: Rainfall map - April 2021

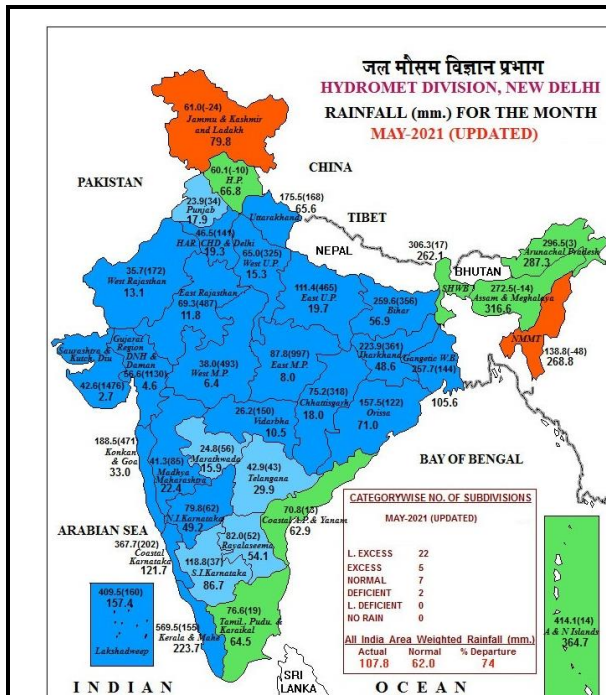


Figure 22: Rainfall map - May 2021

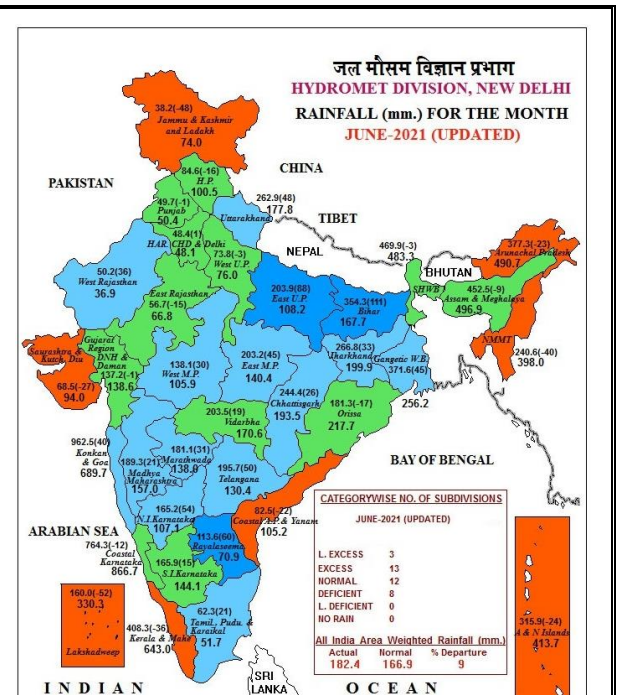


Figure 23: Rainfall map - June 2021

4. RAINFALL STATISTICS FOR METEOROLOGICAL SUBDIVISION

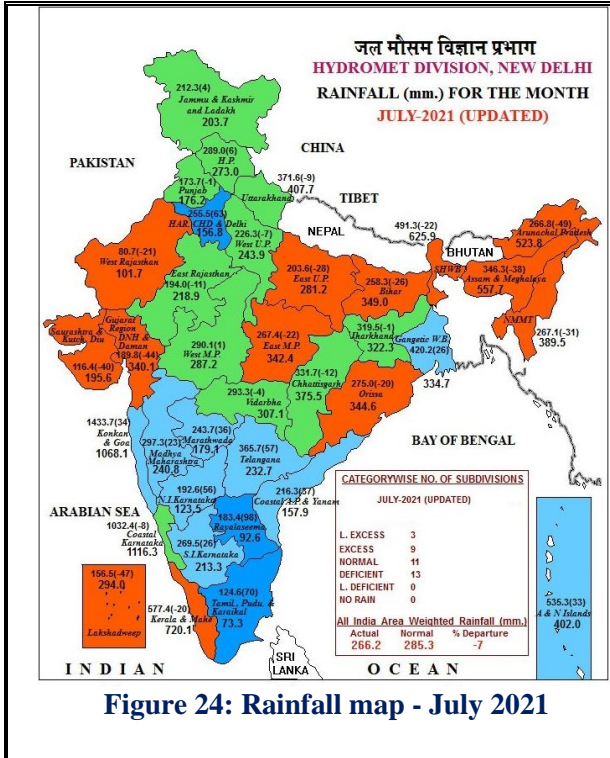


Figure 24: Rainfall map - July 2021

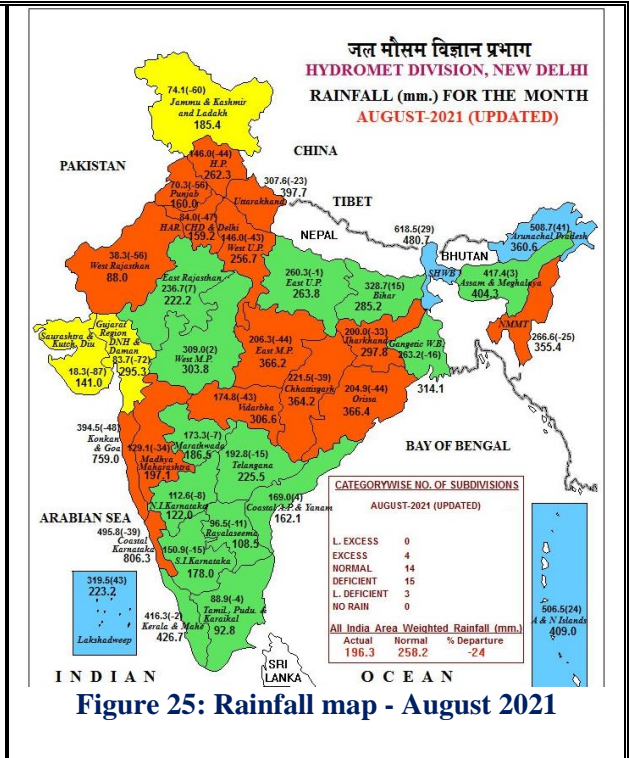


Figure 25: Rainfall map - August 2021

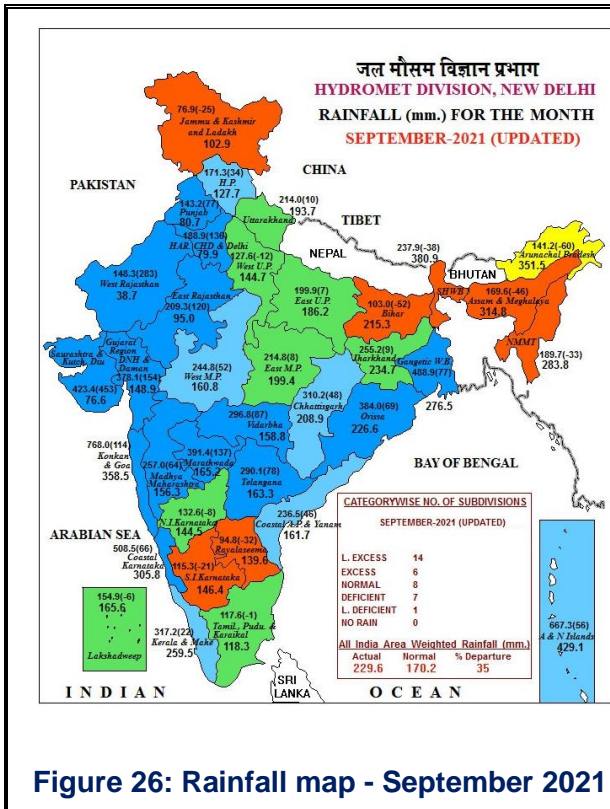


Figure 26: Rainfall map - September 2021

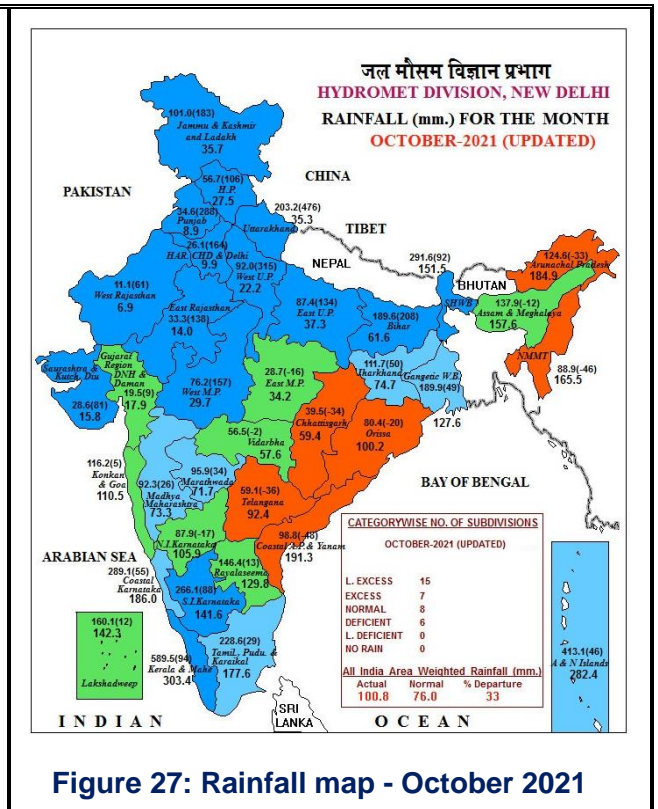


Figure 27: Rainfall map - October 2021

4. RAINFALL STATISTICS FOR METEOROLOGICAL SUBDIVISION

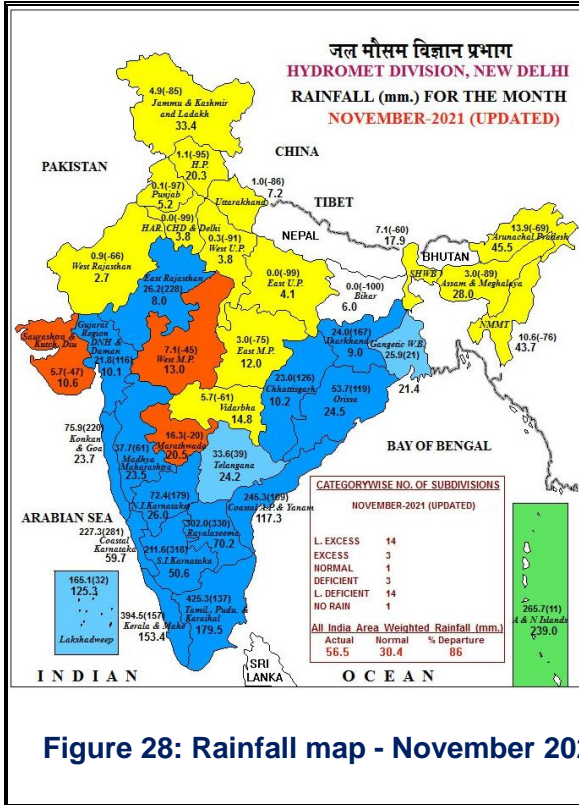


Figure 28: Rainfall map - November 2021

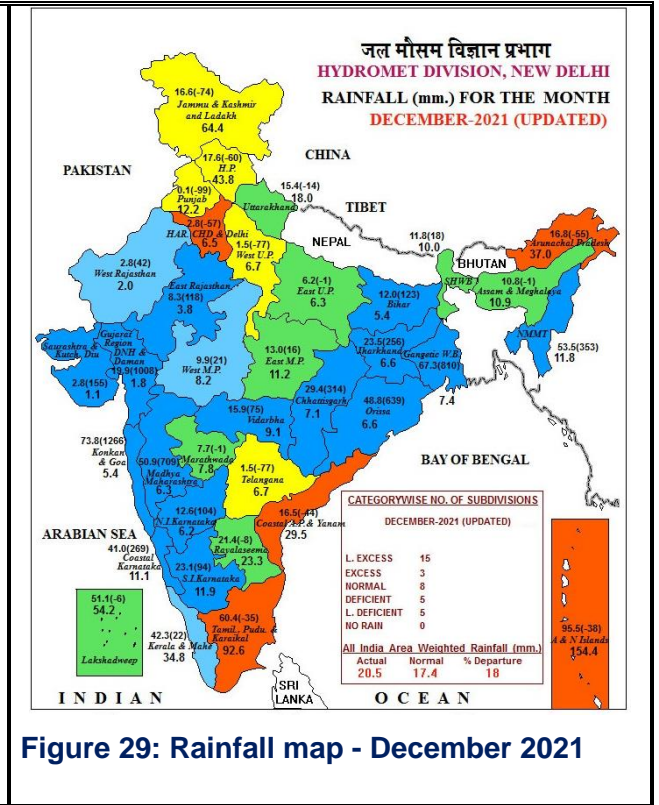


Figure 29: Rainfall map - December 2021

4.9 DAILY RAINFALL DISTRIBUTION – SW MONSOON 2021

Daily observed rainfall distributions for each of the 36 Met. Subdivisions along with their daily rainfall Normal, region-wise, have been depicted in Figure 30 to Figure 65.

REGION: NORTH WEST INDIA

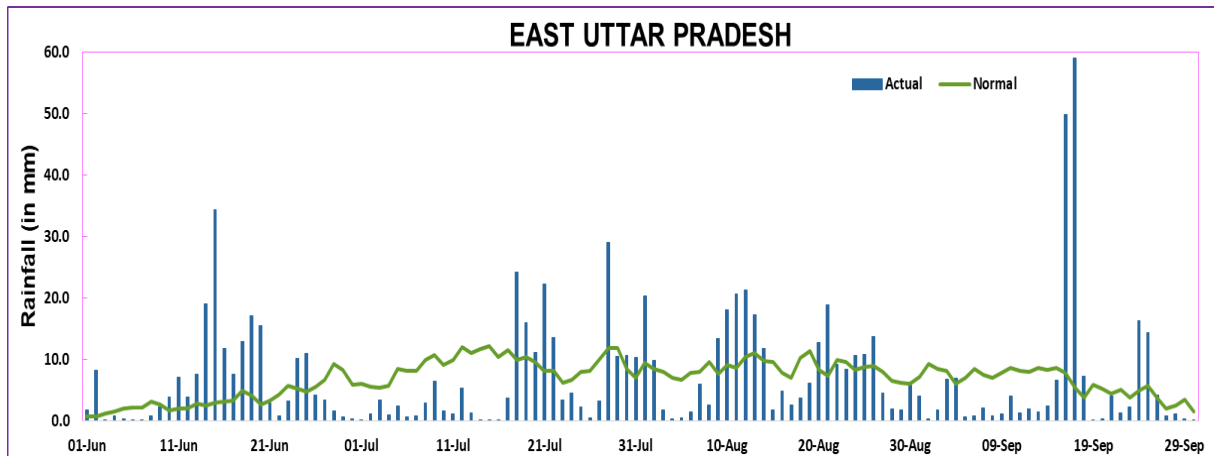


Figure 30: East Uttar Pradesh - Rainfall Distribution - SW Monsoon 2021

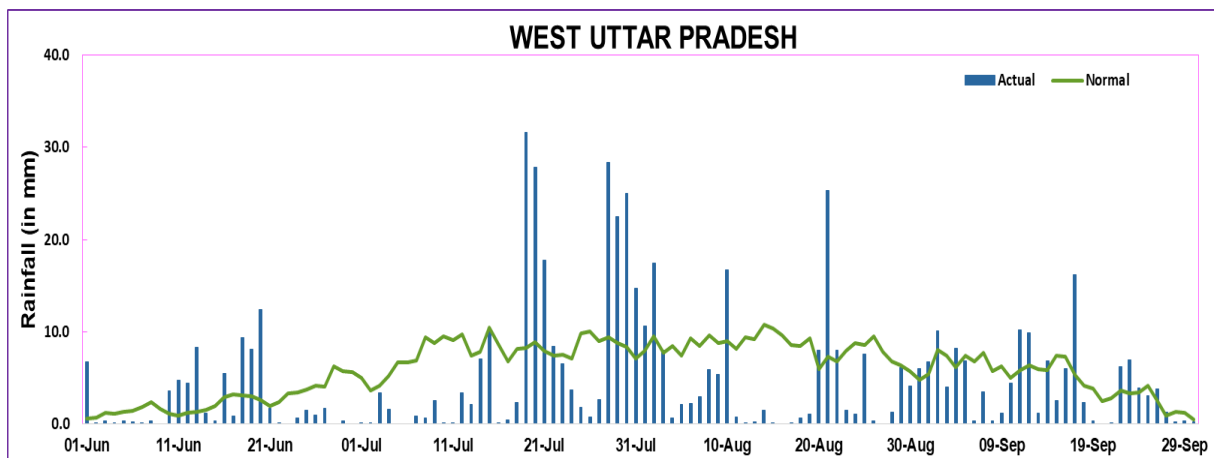


Figure 31: West Uttar Pradesh - Rainfall Distribution - SW Monsoon 2021

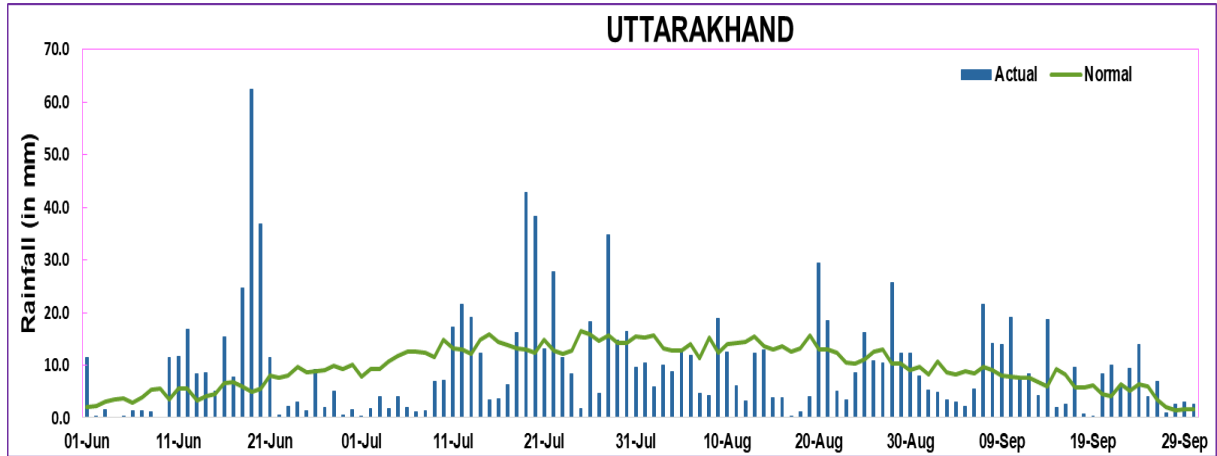


Figure 32: Uttarakhand - Rainfall Distribution - SW Monsoon 2021

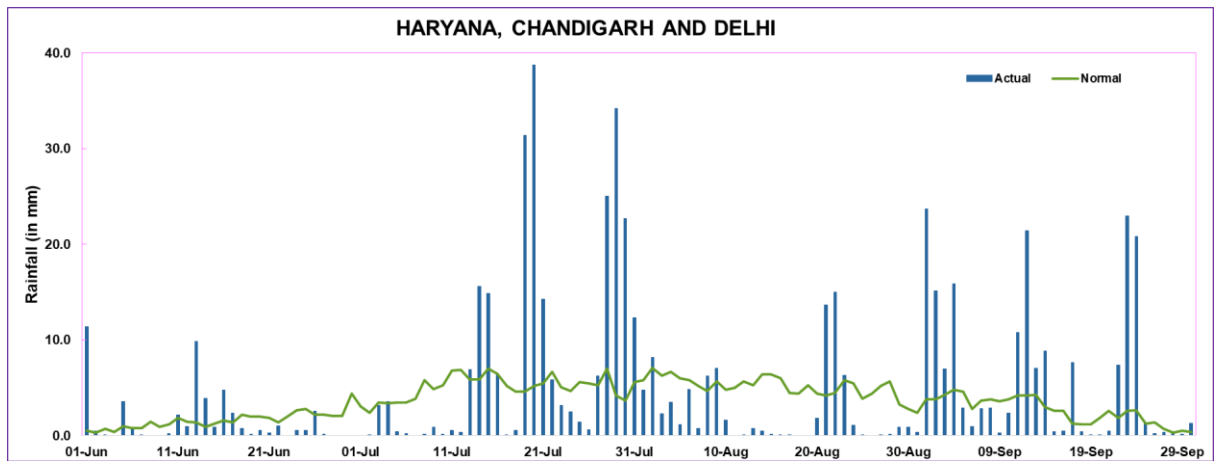


Figure 33: Haryana, Chandigarh & Delhi - Rainfall Distribution - SW Monsoon 2021

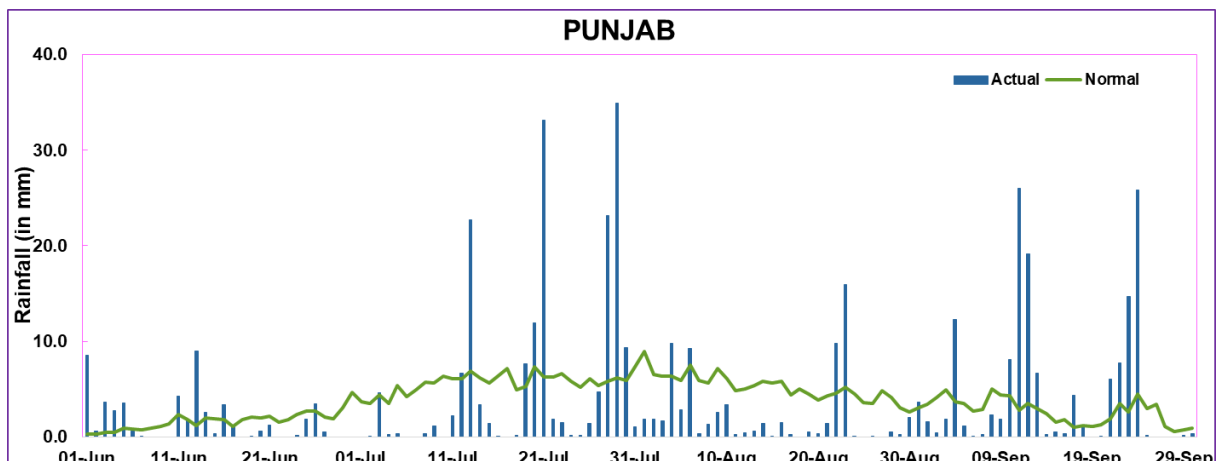


Figure 34: Punjab - Rainfall Distribution - SW Monsoon 2021

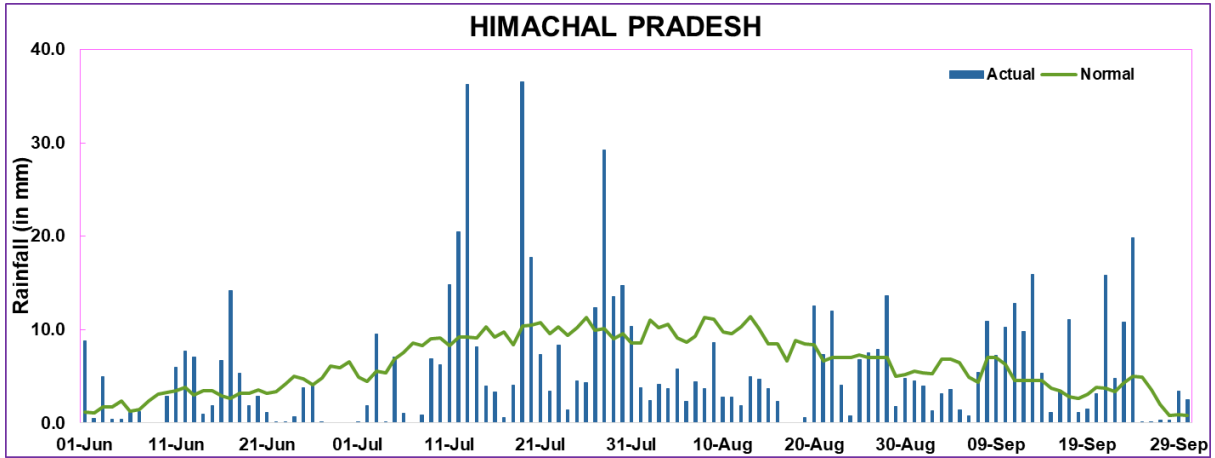


Figure 35: Himachal Pradesh - Rainfall Distribution - SW Monsoon 2021

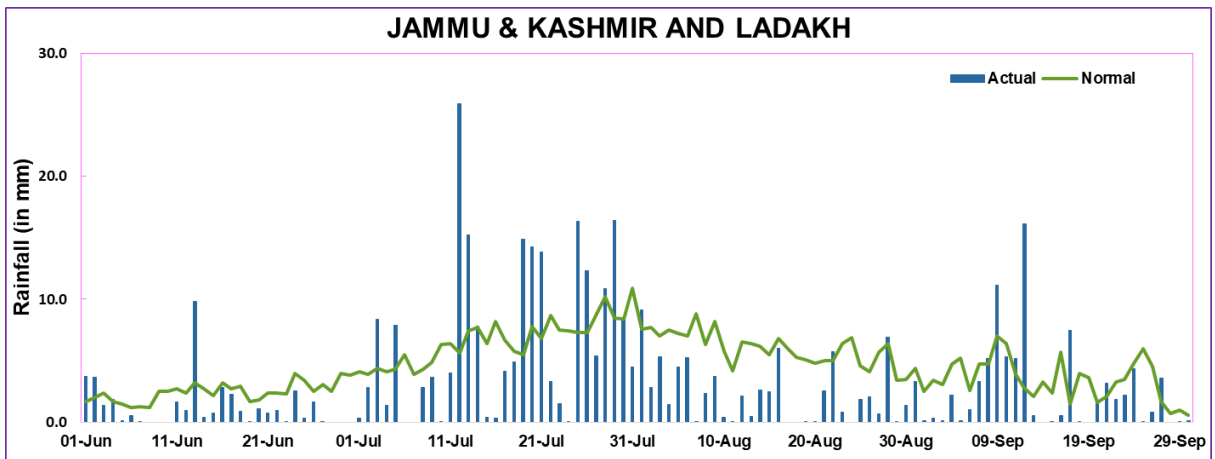


Figure 36: Jammu & Kashmir and Ladakh - Rainfall Distribution - SW Monsoon 2021

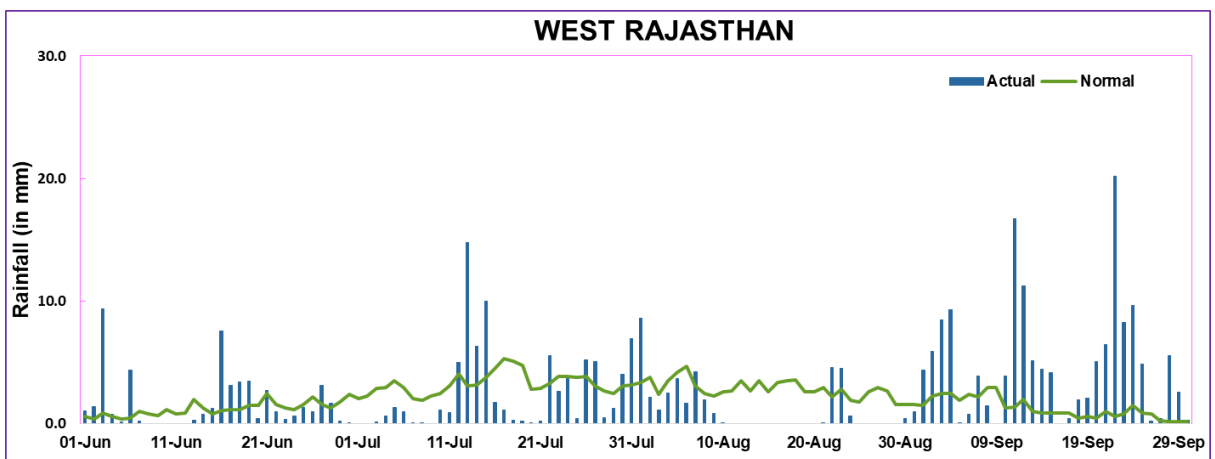


Figure 37: West Rajasthan - Rainfall Distribution - SW Monsoon 2021

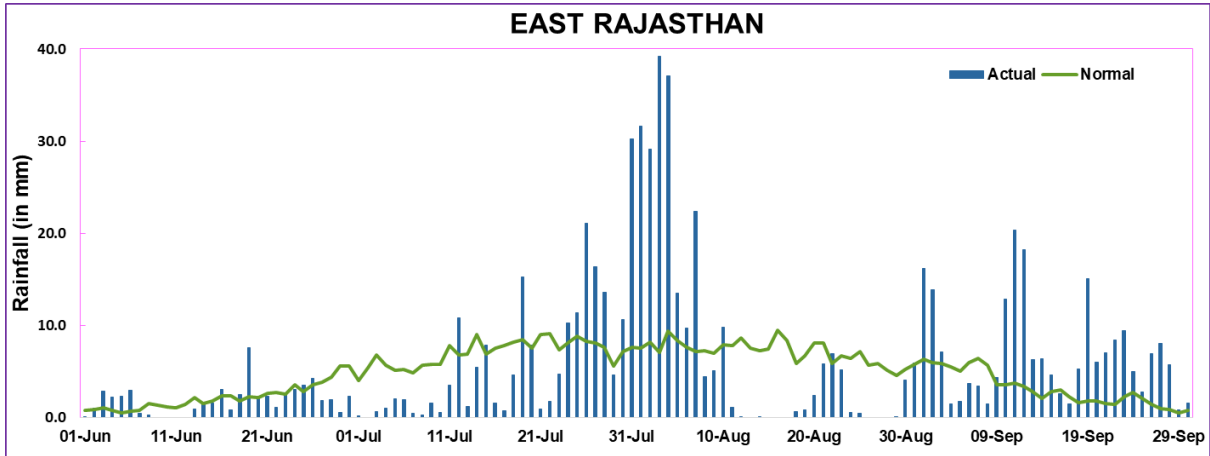


Figure 38: East Rajasthan - Rainfall Distribution - SW Monsoon 2021

REGION: CENTRAL INDIA

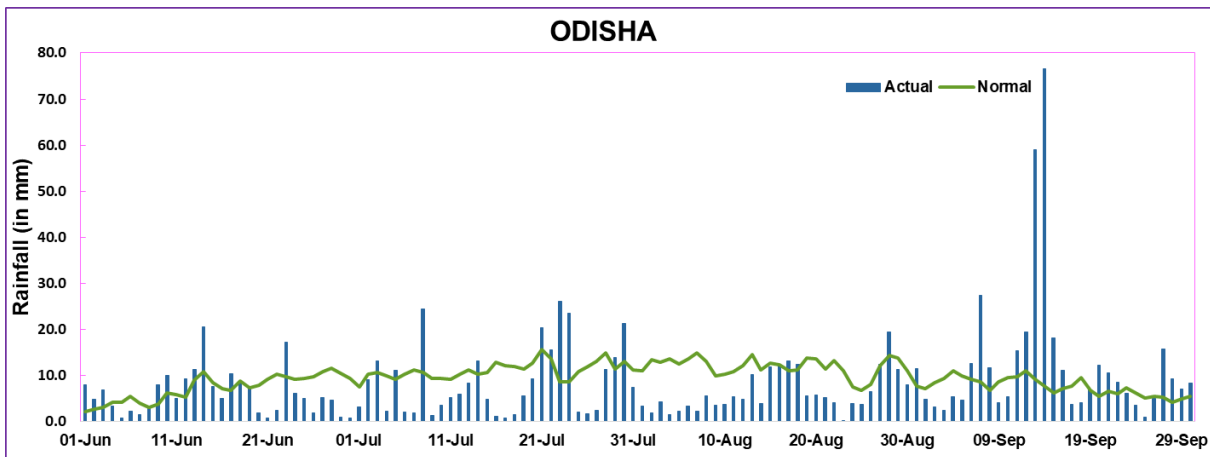


Figure 39: Odisha - Rainfall Distribution - SW Monsoon 2021

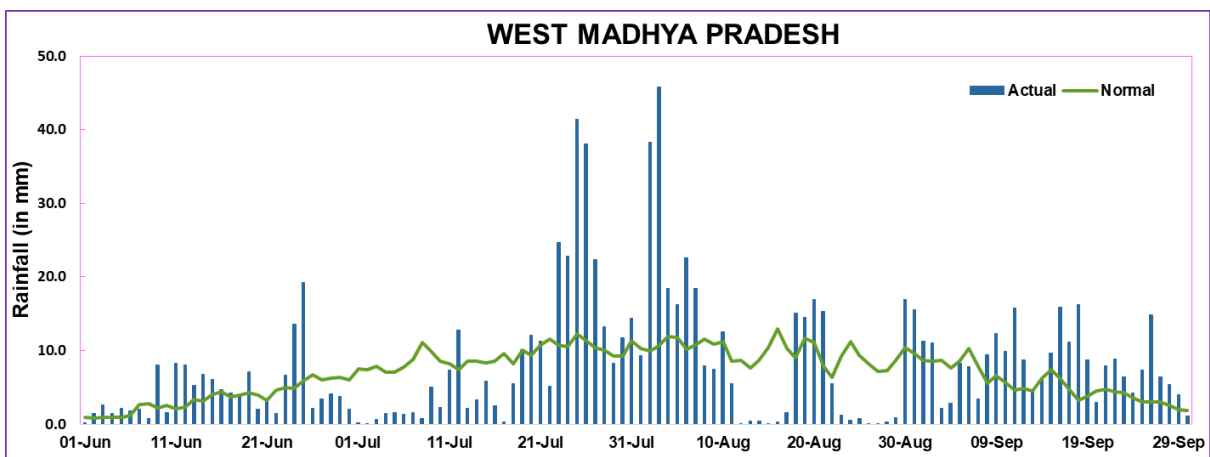


Figure 40: West Madhya Pradesh - Rainfall Distribution - SW Monsoon 2021

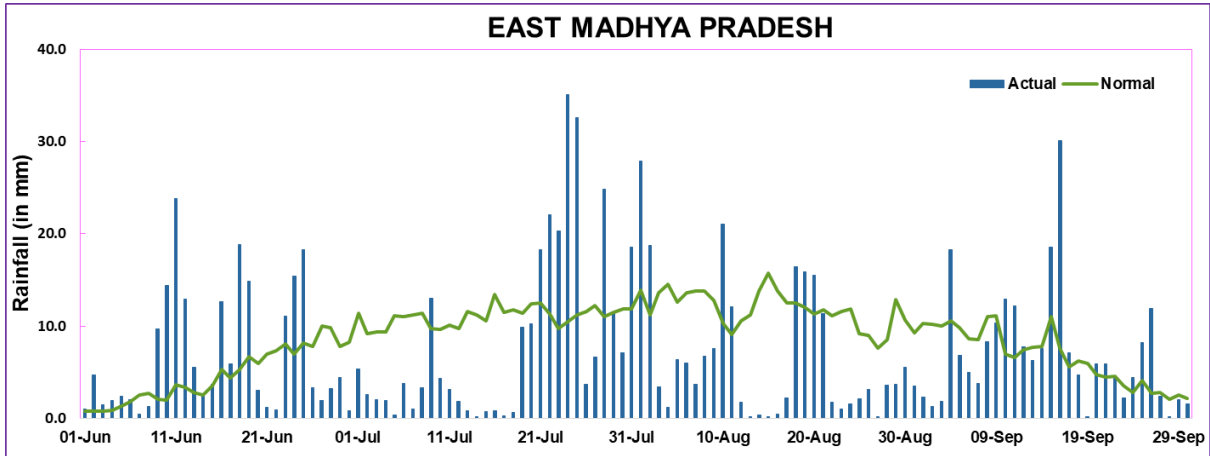


Figure 41: East Madhya Pradesh - Rainfall Distribution - SW Monsoon 2021

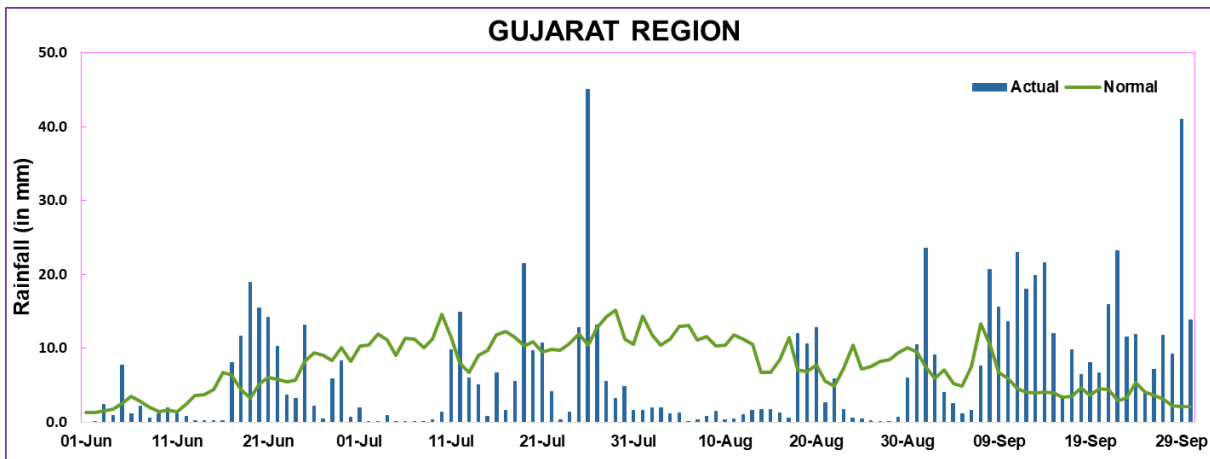


Figure 42: Gujarat Region - Rainfall Distribution - SW Monsoon 2021

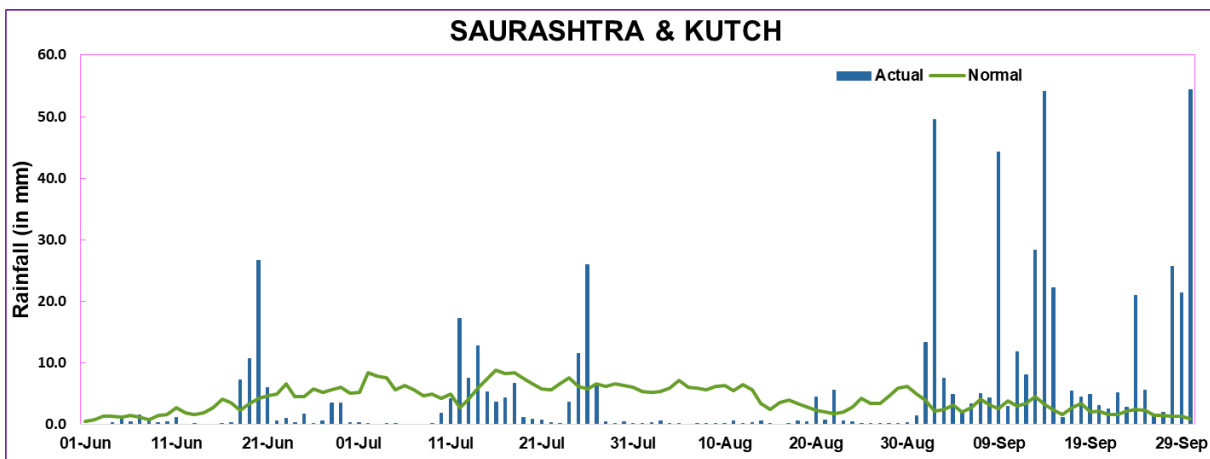


Figure 43: Saurashtra & Kutch - Rainfall Distribution - SW Monsoon 2021

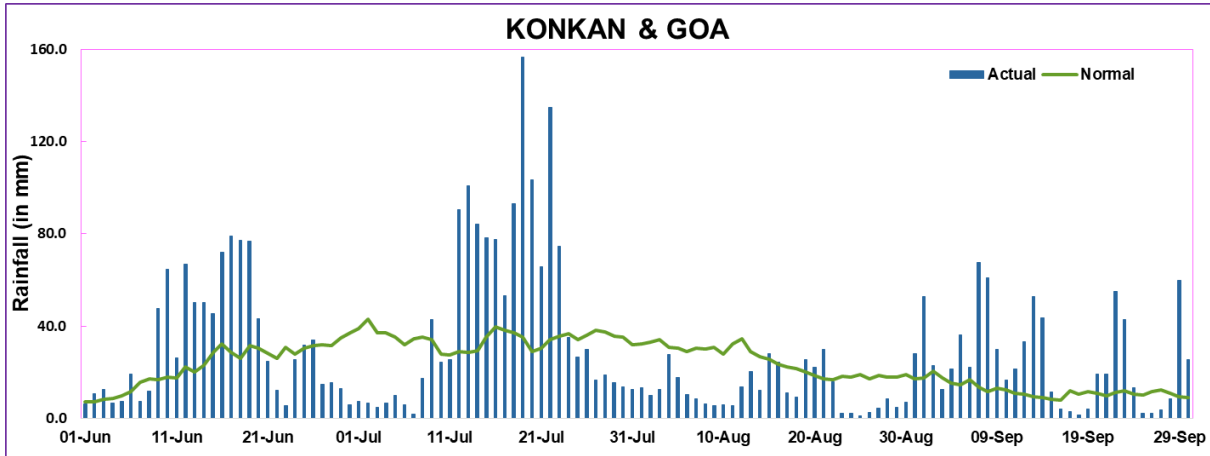


Figure 44: Konkan & Goa - Rainfall Distribution - SW Monsoon 2021

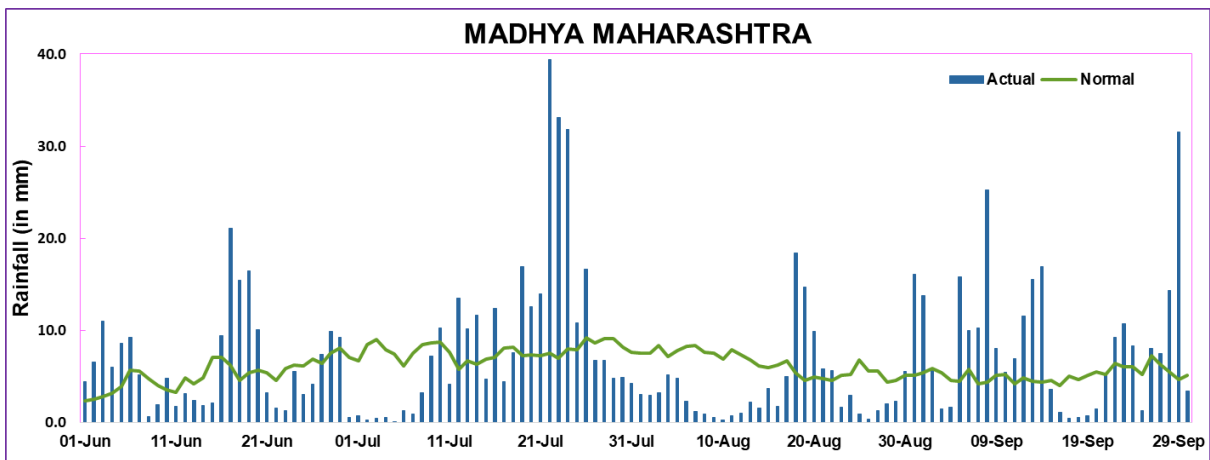


Figure 45: Madhya Maharashtra - Rainfall Distribution - SW Monsoon 2021

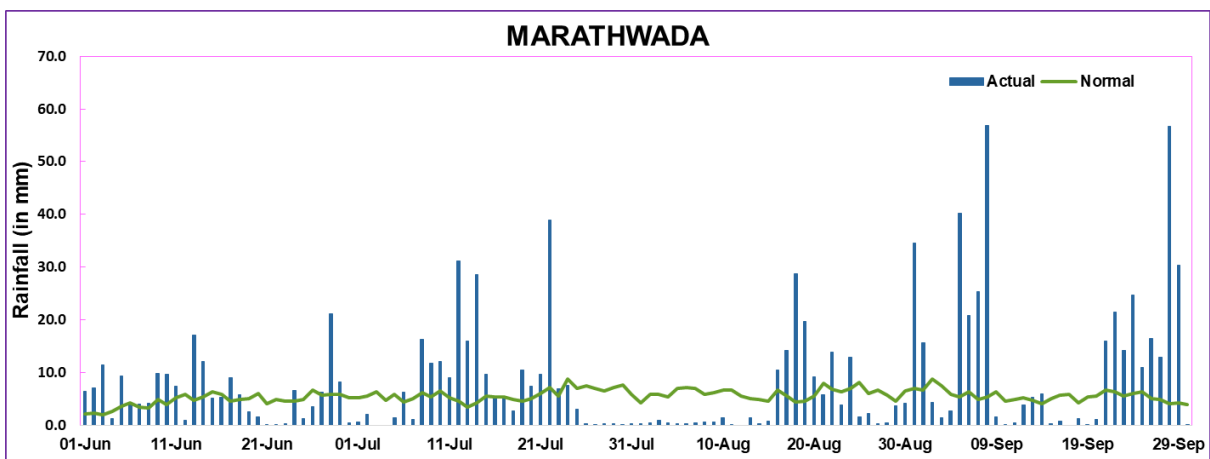


Figure 46: Marathwada - Rainfall Distribution - SW Monsoon 2021

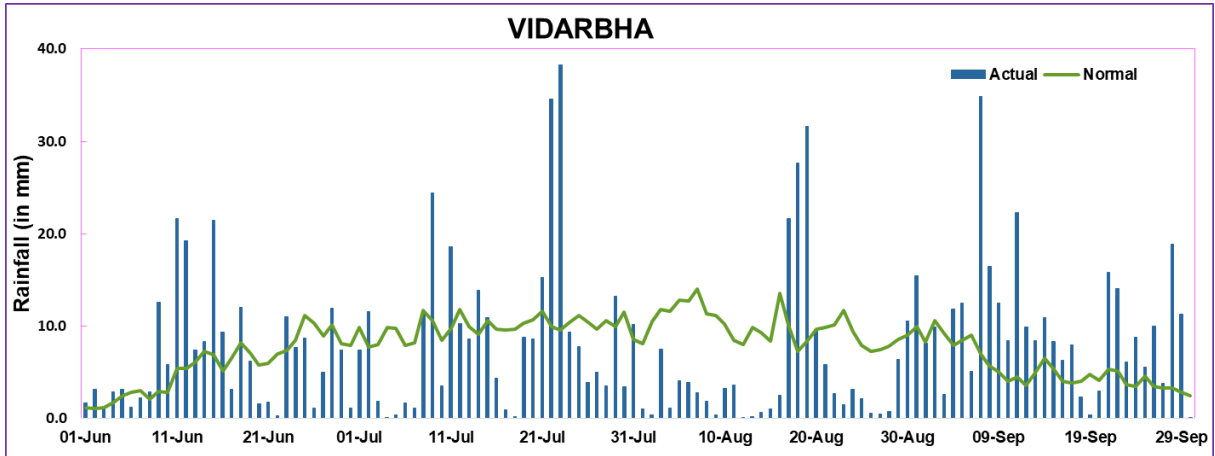


Figure 47: Vidarbha - Rainfall Distribution - SW Monsoon 2021

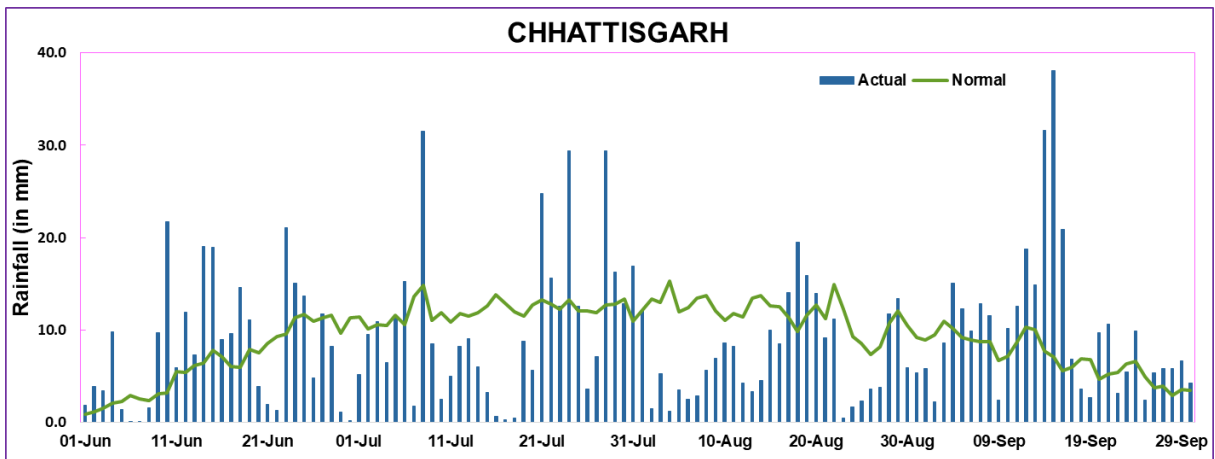


Figure 48: Chhattisgarh - Rainfall Distribution - SW Monsoon 2021

REGION: SOUTH PENINSULA

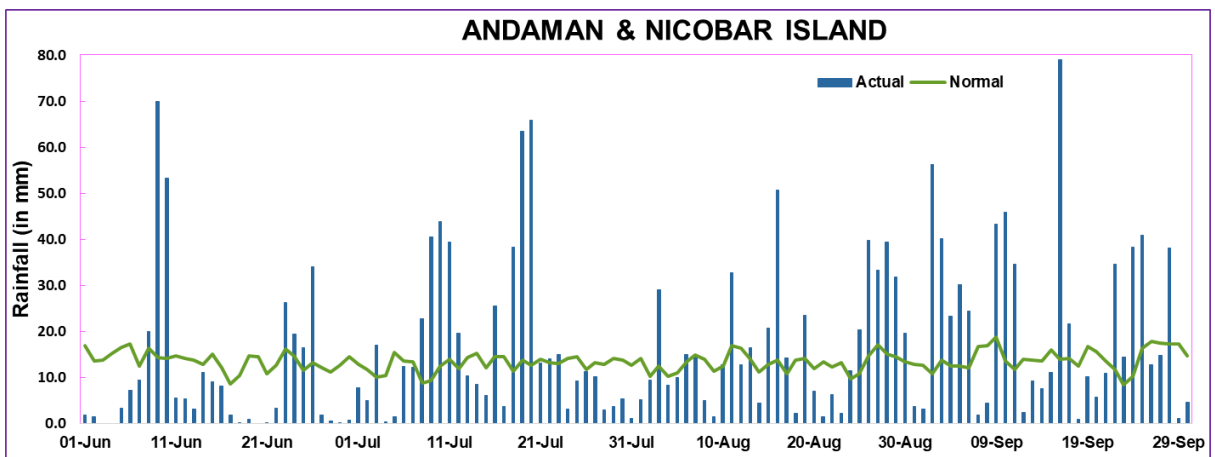


Figure 49: Andaman & Nicobar Islands - Rainfall Distribution - SW Monsoon 2021

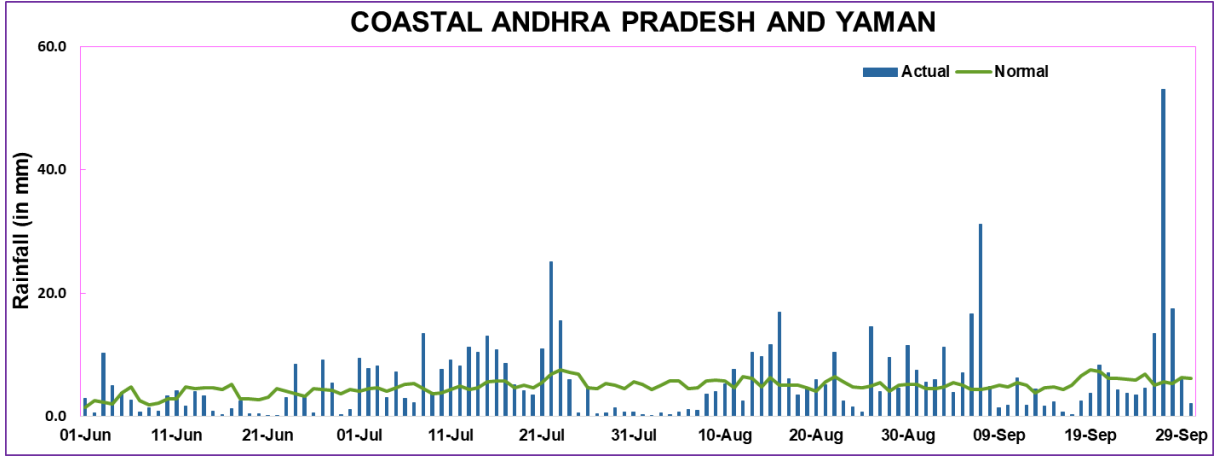


Figure 50: Coastal A. P. & Yaman- Rainfall Distribution - SW Monsoon 2021

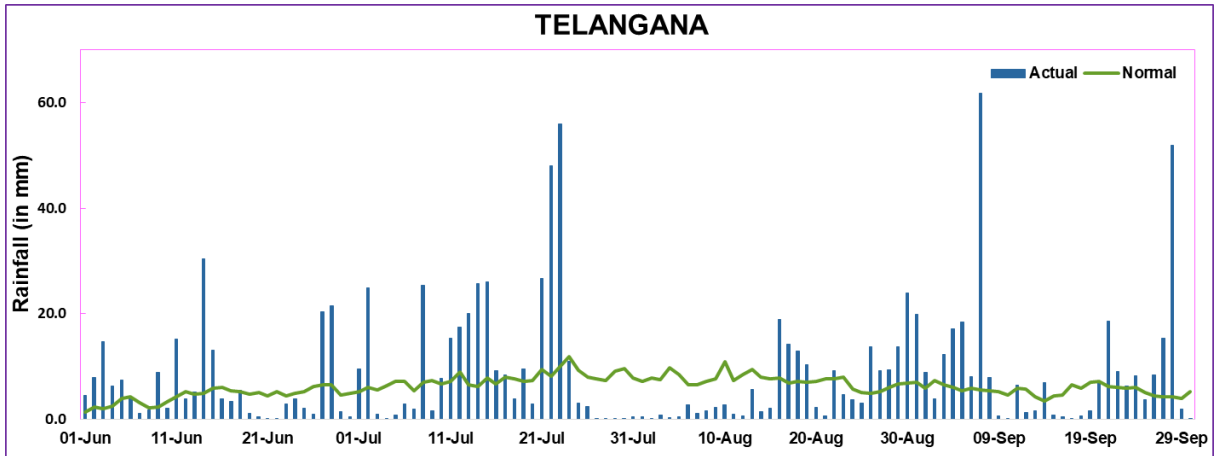


Figure 51: Telangana - Rainfall Distribution - SW Monsoon 2021

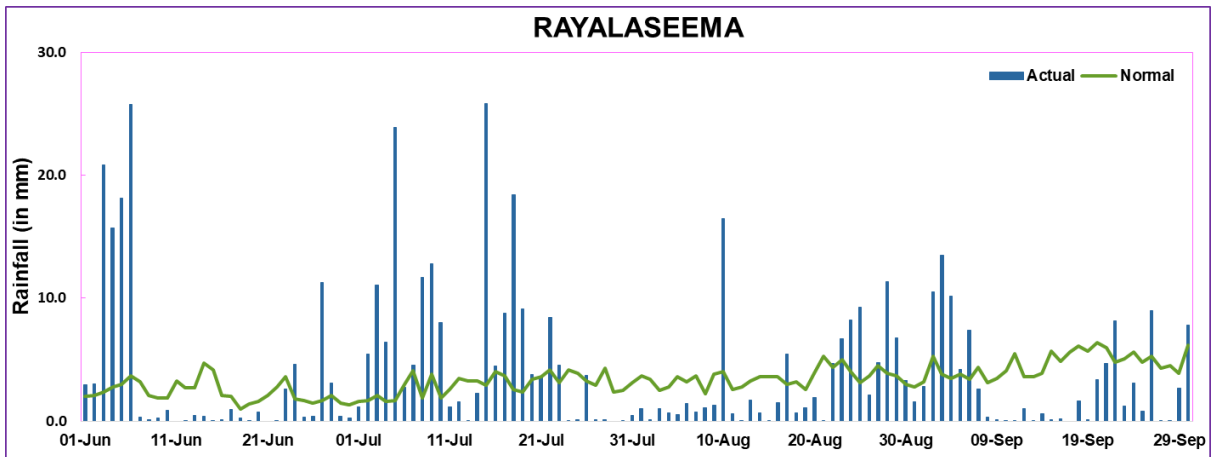


Figure 52: Rayalaseema - Rainfall Distribution - SW Monsoon 2021

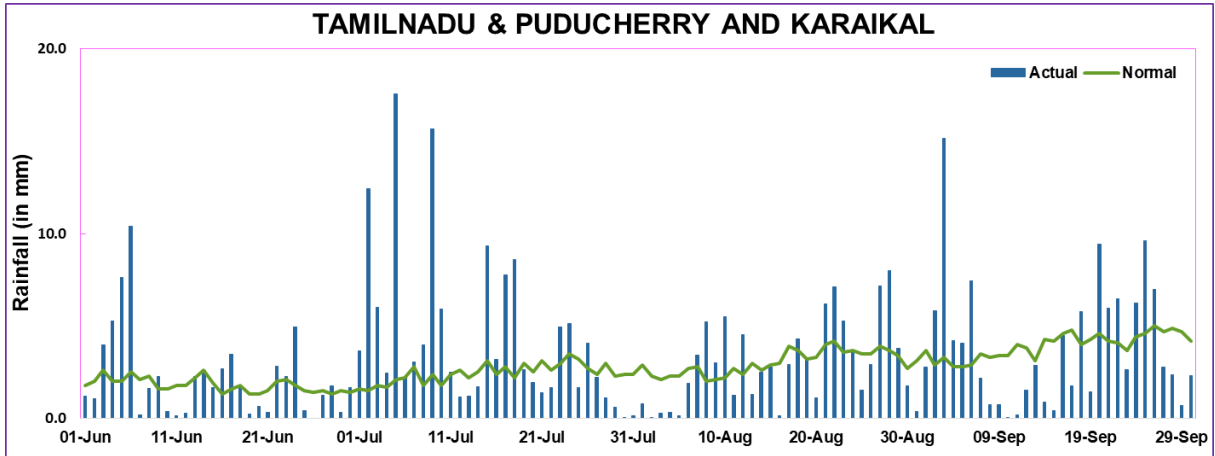


Figure 53: Tamil., Pudu. & Karaikal - Rainfall Distribution - SW Monsoon 2021

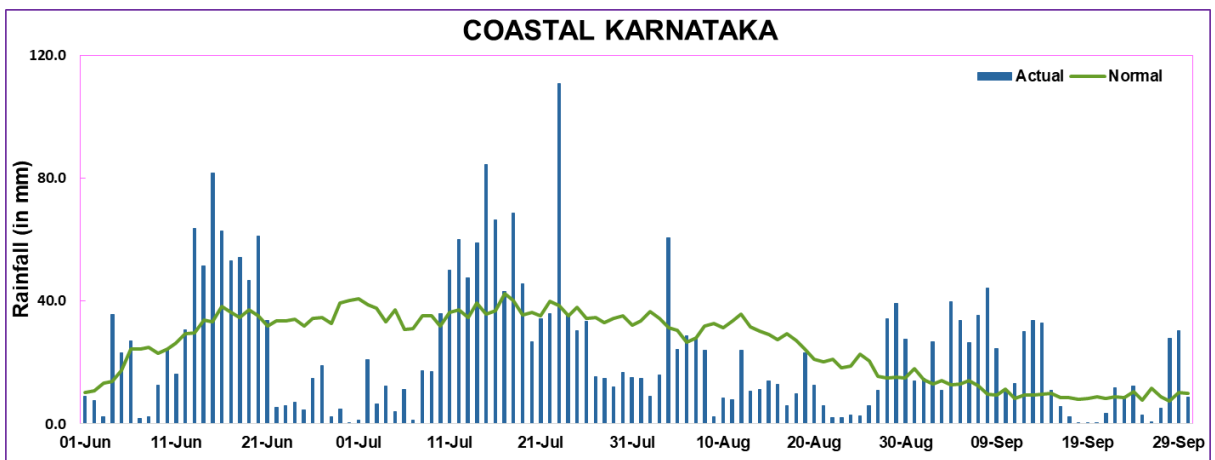


Figure 54: Coastal Karnataka - Rainfall Distribution - SW Monsoon 2021

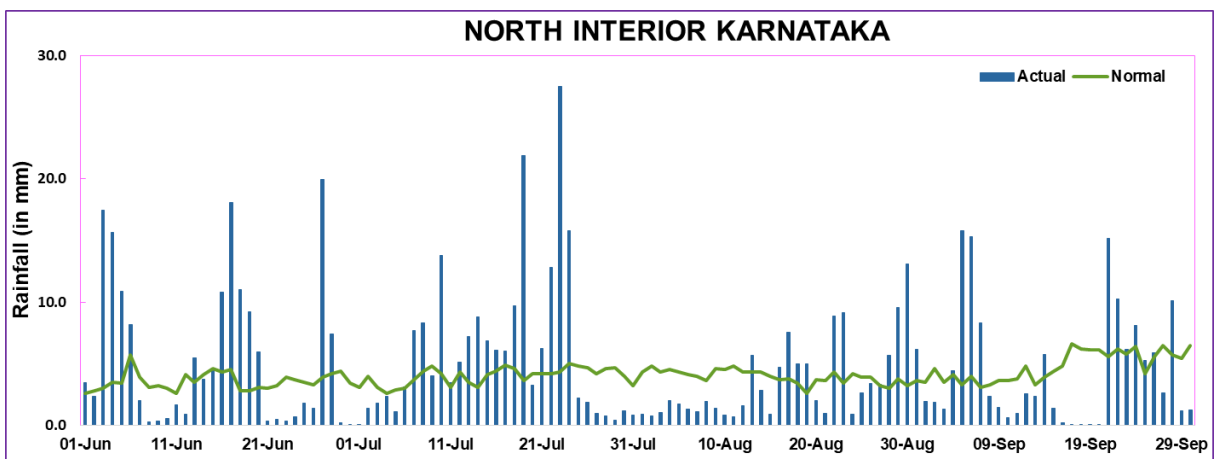


Figure 55: North Interior Karnataka - Rainfall Distribution - SW Monsoon 2021

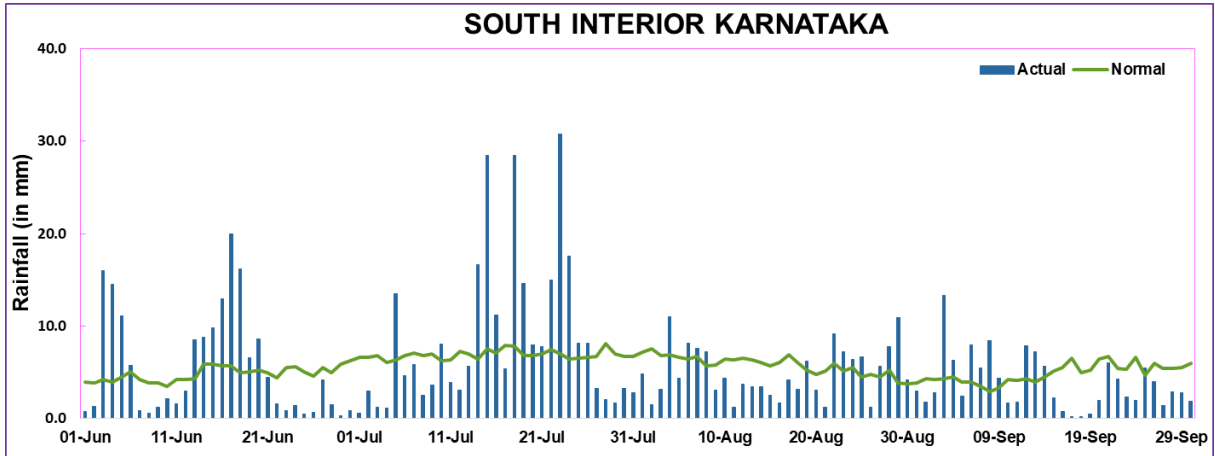


Figure 56: South Interior Karnataka - Rainfall Distribution - SW Monsoon 2021

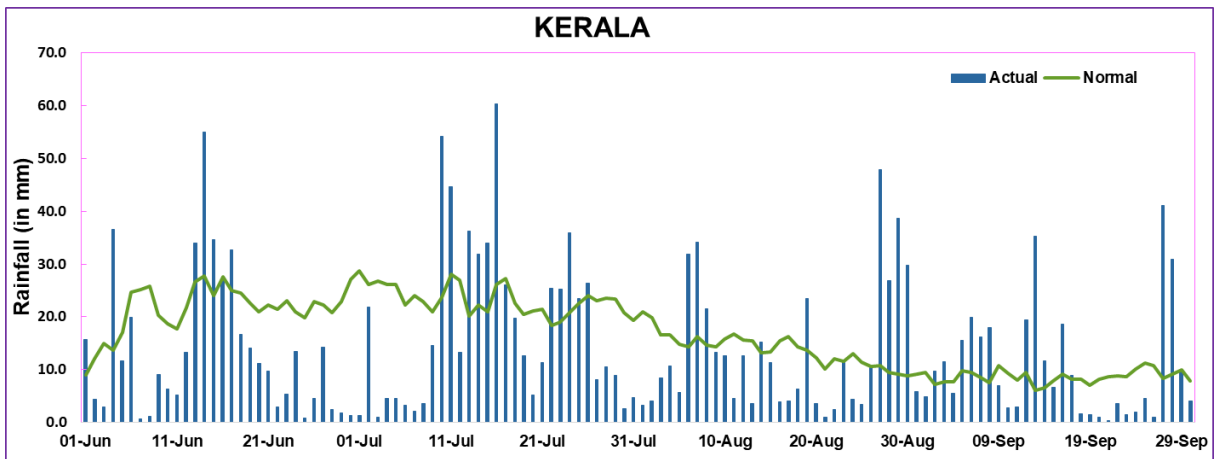


Figure 57: Kerala & Mahe - Rainfall Distribution - SW Monsoon 2021

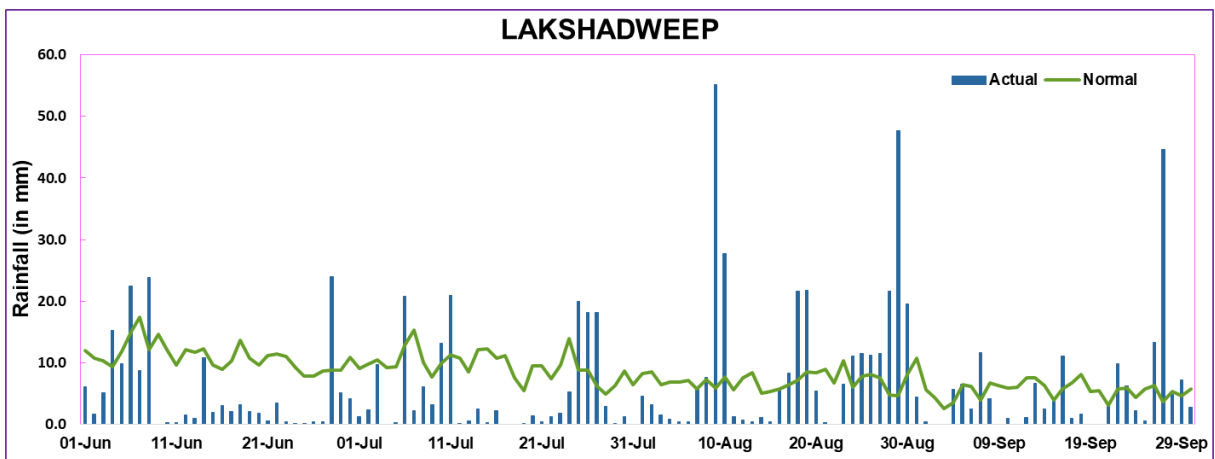


Figure 58: Lakshadweep - Rainfall Distribution - SW Monsoon 2021

REGION: EAST & NORTH EAST INDIA

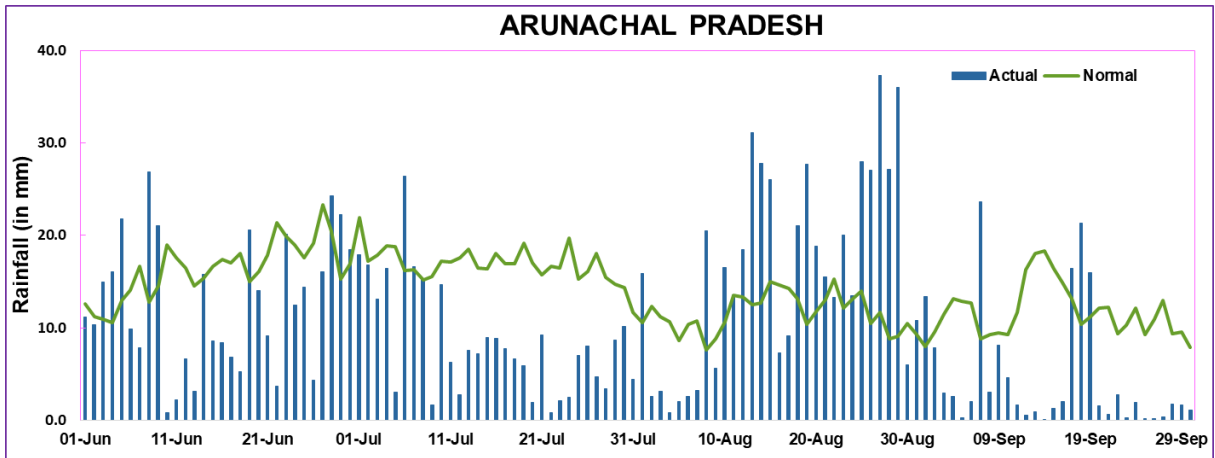


Figure 59: Arunachal Pradesh - Rainfall Distribution - SW Monsoon 2021

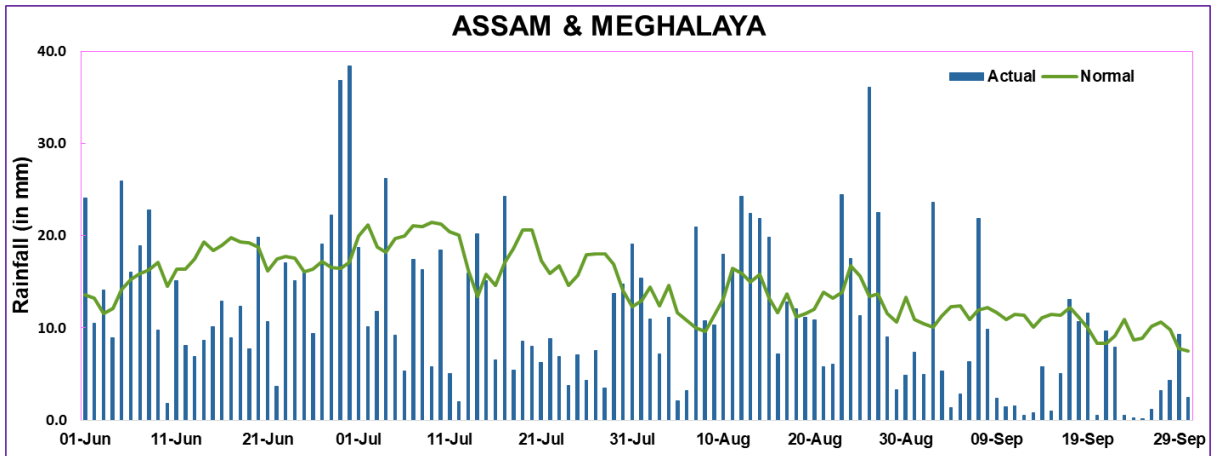


Figure 60: Assam & Meghalaya - Rainfall Distribution - SW Monsoon 2021

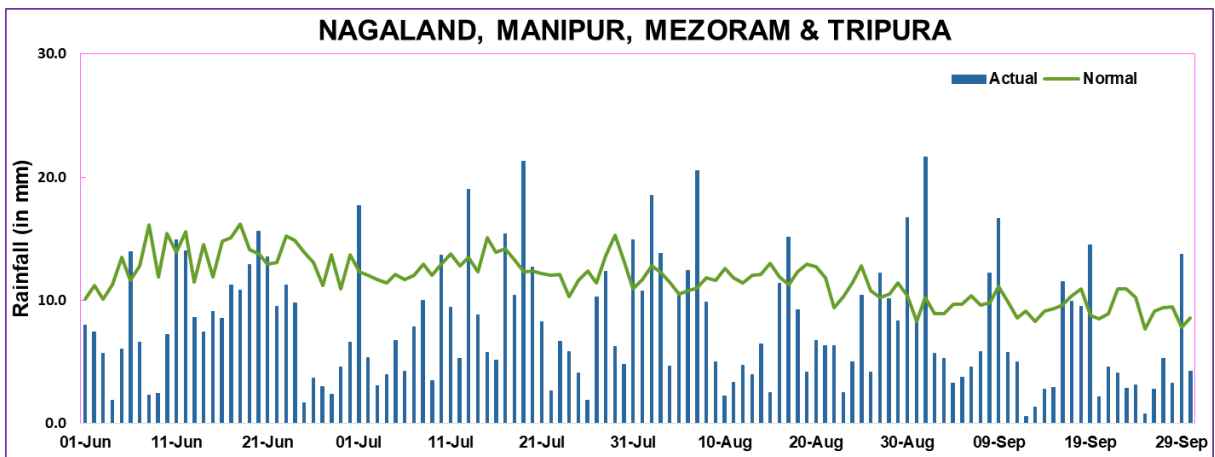


Figure 61: NMMT - Rainfall Distribution - SW Monsoon 2021

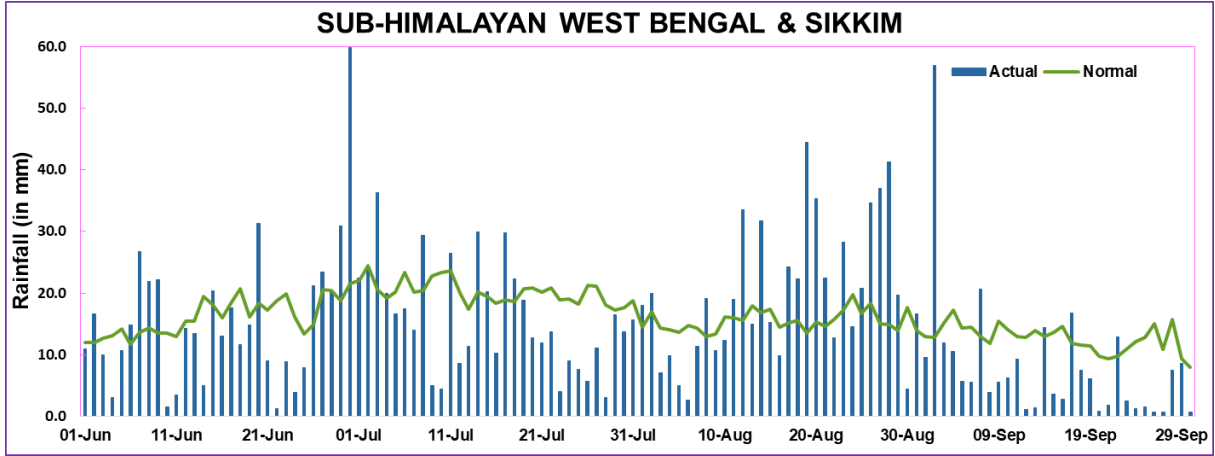


Figure 62: S H W Bengal & Sikkim - Rainfall Distribution - SW Monsoon 2021

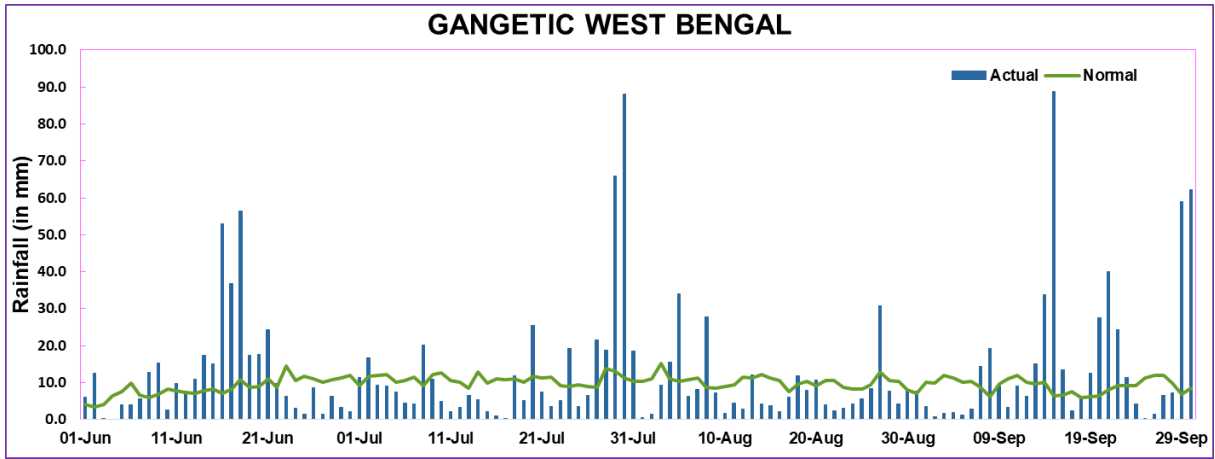


Figure 63: Gangetic West Bengal - Rainfall Distribution - SW Monsoon 2021

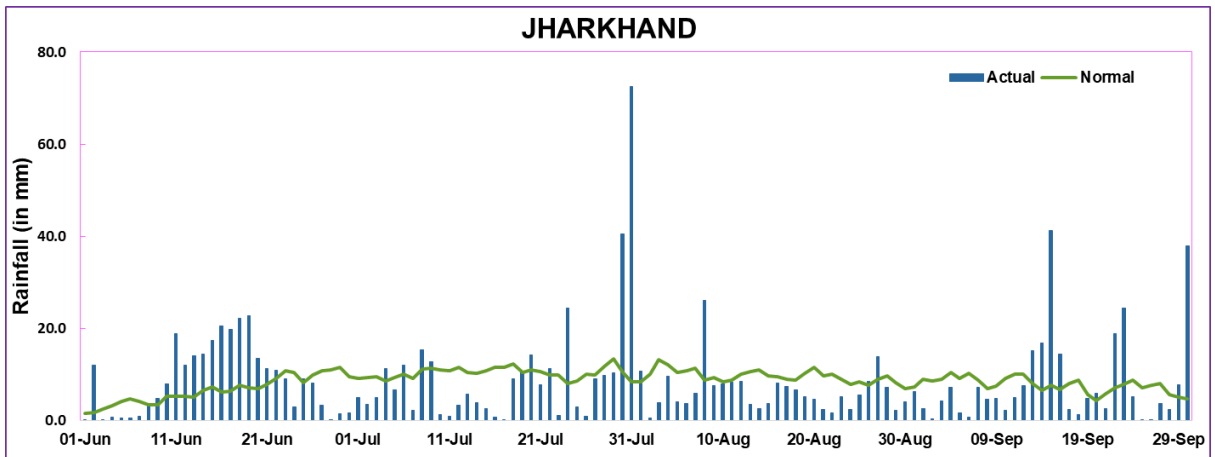


Figure 64: Jharkhand - Rainfall Distribution - SW Monsoon 2021

4.

RAINFALL STATISTICS FOR METEOROLOGICAL SUBDIVISION

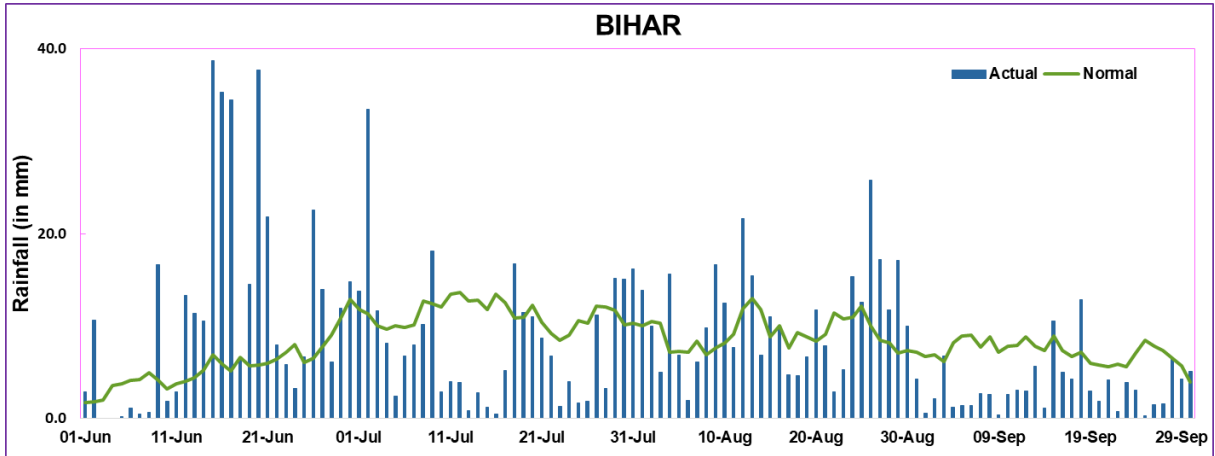


Figure 65: Bihar - Rainfall Distribution - SW Monsoon 2021

STATE-WISE RAINFALL STATISTICS

5. STATE-WISE RAINFALL STATISTICS**5.1 SEASONAL & ANNUAL**

State-wise seasonal and annual observed rainfall, and its percentage departure from normal rainfall for the states have been given in Table 15. It may be observed that during 2021, annual highest area weighted rainfall of **3947.2** mm was received at Goa and the lowest rainfall of **57.0** mm was received at Ladakh (UT).

Table 15: State-wise Seasonal and Annual Rainfall (mm) - Year 2021

S. NO.	Broad Region/ States	Winter	Pre-Monsoon	SW-Monsoon	Post-Monsoon	Annual
EAST & NORTH EAST INDIA						
1	ARUNACHAL PRADESH	41.8	581.5	1294.0	157.2	2083.8
2	ASSAM	41.8	581.5	1294.0	157.2	2083.8
3	MEGHALAYA	1.2	699.6	2257.6	213.6	3171.9
4	NAGALAND	7.4	211.1	841.1	93.5	1153.1
5	MANIPUR	10.1	225.7	560.9	116.9	913.6
6	MIZORAM	2.9	185.0	1271.3	193.9	1653.1
7	TRIPURA	7.5	274.1	1246.1	233.3	1761.1
8	SIKKIM	68.9	828.8	1798.0	347.7	3043.3
9	WEST BENGAL	2.0	300.9	1612.9	286.9	2202.7
10	JHARKHAND	3.6	240.5	1041.5	159.3	1444.8
11	BIHAR	0.7	266.0	1044.3	201.7	1512.7
NORTH WEST INDIA						
1	UTTAR PRADESH	7.5	95.7	749.2	93.7	946.1
2	UTTARAKHAND	44.5	244.2	1156.1	219.6	1664.5
3	HARYANA	26.1	54.5	571.3	27.9	679.8
4	CHANDIGARH (UT)	19.6	80.9	600.2	41.6	742.4
5	DELHI	31.0	76.4	745.2	60.7	904.4
6	PUNJAB	13.0	49.7	436.8	34.8	534.4
7	HIMACHAL PRADESH	57.7	213.7	690.9	75.4	1037.6
8	JAMMU & KASHMIR(UT)	122.6	248.0	401.6	122.6	894.7
9	LADAKH(UT)	8.5	20.2	21.9	6.3	57.0
10	RAJASTHAN	9.0	54.4	485.3	38.3	587.0
CENTRAL INDIA						
1	ODISHA	4.2	188.6	1045.1	182.9	1420.8
2	MADHYA PRADESH	9.2	68.7	942.7	72.2	1092.7
3	GUJARAT	1.2	49.8	694.6	47.6	793.2
4	DADRA & NAGAR HAVELI (UT)	0.0	139.2	2674.2	221.0	3034.4
5	DAMAN & DIU (UT)	0.0	218.3	1869.0	125.5	2212.8
6	GOA	37.3	284.8	3125.1	500.0	3947.2
7	MAHARASHTRA	12.8	62.8	1194.3	140.8	1410.7

STATE-WISE RAINFALL STATISTICS

S. NO.	Broad Region/ States	Winter	Pre-Monsoon	SW-Monsoon	Post-Monsoon	Annual
8	CHHATISGARH	12.8	97.3	1107.7	91.9	1309.6
SOUTH PENINSULA						
1	A & N ISLAND (UT)	91.5	602.6	2025.0	774.4	3493.4
2	ANDHRA PRADESH	24.4	104.5	613.5	406.4	1148.9
3	TELANGANA	3.5	66.7	1044.2	94.2	1208.5
4	TAMILNADU	150.8	120.9	393.4	711.6	1376.7
5	PUDUCHERRY (UT)	350.3	64.3	435.8	1425.1	2275.5
6	KARNATAKA	36.3	179.2	865.4	369.9	1450.9
7	KERALA	114.1	746.8	1719.1	1026.3	3606.3
8	LAKSHADWEEP (UT)	216.9	514.6	790.9	376.3	1898.7
COUNTRY AS A WHOLE		27.8	155.6	874.5	177.9	1236.4

On comparing with Normal rainfall, it may be seen that Puducherry (UT) was with the highest positive departure of 54% from its normal where as Ladakh (UT) remained with highest negative departure (45%) from normal.

It may be observed (Table 16) that the Arunachal Pradesh, Nagaland, Manipur, Mizoram and Union Territory of Jammu & Kashmir and Ladakh remained in deficient/large deficient category annually and during all the four seasons. During SW Monsoon season, 27 States/UTs received normal, 10 States/UTs received Deficient/ Large Deficient rainfall.

Table 16: % Departure of State-wise Seasonal and Annual Rainfall - Year 2021

NO .	STATES	Winter	Pre-Monsoon	SW-Monsoon	Post-Monsoon	Annual
EAST & NORTH EAST INDIA						
1	ARUNACHAL PRADESH	-72%	-25%	-25%	-41%	-28%
2	ASSAM	-71%	-39%	-23%	-16%	-28%
3	MEGHALAYA	-97%	-7%	-21%	-35%	-20%
4	NAGALAND	-82%	-44%	-26%	-42%	-33%
5	MANIPUR	-76%	-37%	-60%	-48%	-55%
6	MIZORAM	-91%	-68%	-23%	-27%	-35%
7	TRIPURA	-79%	-60%	-15%	5%	-26%
8	SIKKIM	-36%	36%	12%	61%	20%
9	WEST BENGAL	-93%	28%	15%	80%	20%
10	JHARKHAND	-87%	189%	-1%	76%	15%
11	BIHAR	-97%	226%	3%	176%	27%
NORTH WEST INDIA						
1	UTTAR PRADESH	-72%	205%	-5%	126%	6%
2	UTTARAKHAND	-56%	57%	-2%	263%	11%
3	HARYANA	-15%	40%	30%	39%	29%
4	CHANDIGARH (UT)	-77%	0%	-29%	-25%	-30%

STATE-WISE RAINFALL STATISTICS

5	DELHI	1%	50%	27%	167%	31%
6	PUNJAB	-73%	-10%	-7%	32%	-11%
7	HIMACHAL PRADESH	-70%	-12%	-10%	-18%	-20%
8	JAMMU & KASHMIR(UT)	-45%	-26%	-29%	-8%	-29%
9	LADAKH(UT)	-64%	-27%	-42%	-56%	-45%
10	RAJASTHAN	-4%	159%	17%	114%	27%
CENTRAL INDIA						
1	ODISHA	-86%	47%	-10%	39%	-2%
2	MADHYA PRADESH	-57%	292%	0%	34%	6%
3	GUJARAT	-9%	896%	0%	67%	9%
4	DADRA & NAGAR HAVELI (UT)	-100%	1447%	24%	303%	36%
5	DAMAN & DIU (UT)	-100%	3258%	16%	151%	33%
6	GOA	2389%	212%	5%	146%	21%
7	MAHARASHTRA	56%	113%	19%	43%	24%
8	CHHATISGARH	-40%	137%	-3%	20%	2%
SOUTH PENINSULA						
1	A & N ISLAND (UT)	21%	29%	22%	15%	22%
2	ANDHRA PRADESH	48%	14%	19%	40%	26%
3	TELANGANA	-76%	12%	39%	-24%	27%
4	TAMILNADU	438%	-4%	17%	59%	47%
5	PUDUCHERRY (UT)	541%	-36%	2%	59%	54%
6	KARNATAKA	599%	53%	3%	104%	27%
7	KERALA	409%	107%	-16%	109%	23%
8	LAKSHADWEEP (UT)	761%	153%	-22%	17%	21%
COUNTRY AS A WHOLE		-32%	18%	-1%	44%	5%

5.2 CATEGORY-WISE SEASONAL AND ANNUAL DISTRIBUTION:

State-wise rainfall statistics for the year 2021 show most of the states in Large Excess/Excess/Normal category annually and during the Pre Monsoon, Monsoon and Post Monsoon season. Only during Winter Season number of Deficient/Large Deficient/ No Rain states are more. 11 states were in deficient category of yearly rainfall. The statistics and chart depicting the number of states in different categories for different seasons and for the year have been given at Table 17 and Figure 66 respectively.

Table 17: Category-wise Number of States - Seasonally and Annually - Year 2021

CATEGORY	WINTER	PRE-MONSOON	SW MONSOON	POST-MONSOON	ANNUAL
L. EXCESS	6	13	0	14	0
EXCESS	3	8	5	9	18
NORMAL	4	7	22	6	8
DEFICIENT	5	7	9	8	11
L. DEFICIENT	17	2	1	0	0
NO RAIN	2	0	0	0	0
NO DATA	0	0	0	0	0

STATE-WISE RAINFALL STATISTICS

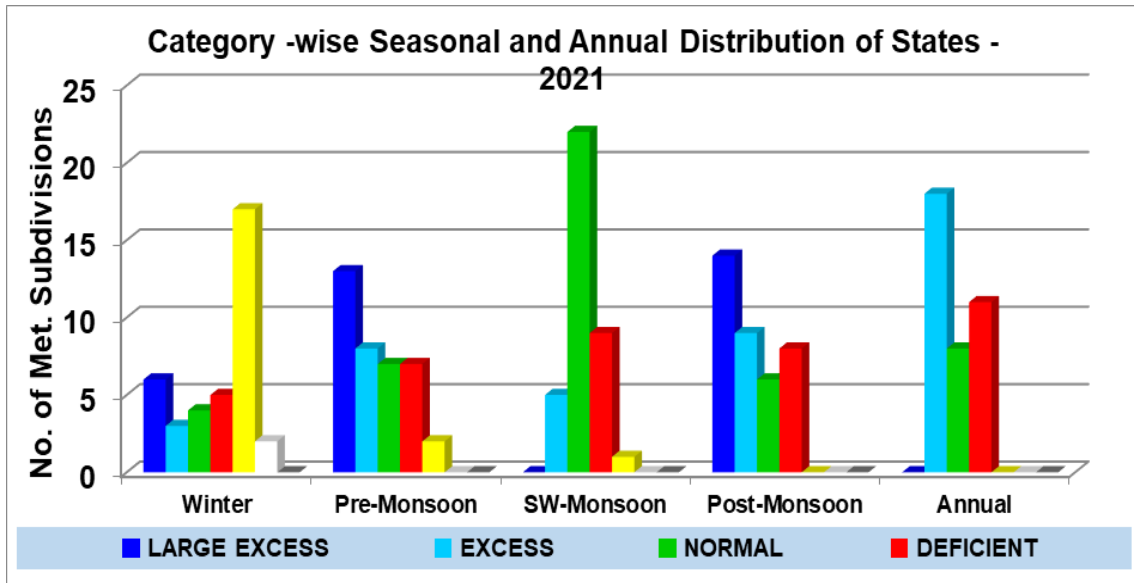


Figure 66: Category-wise distribution of States – Seasonally and Annually

Percent distributions of area of the states of the country under different categories in the four seasons and for the year have been depicted in Figure 67.

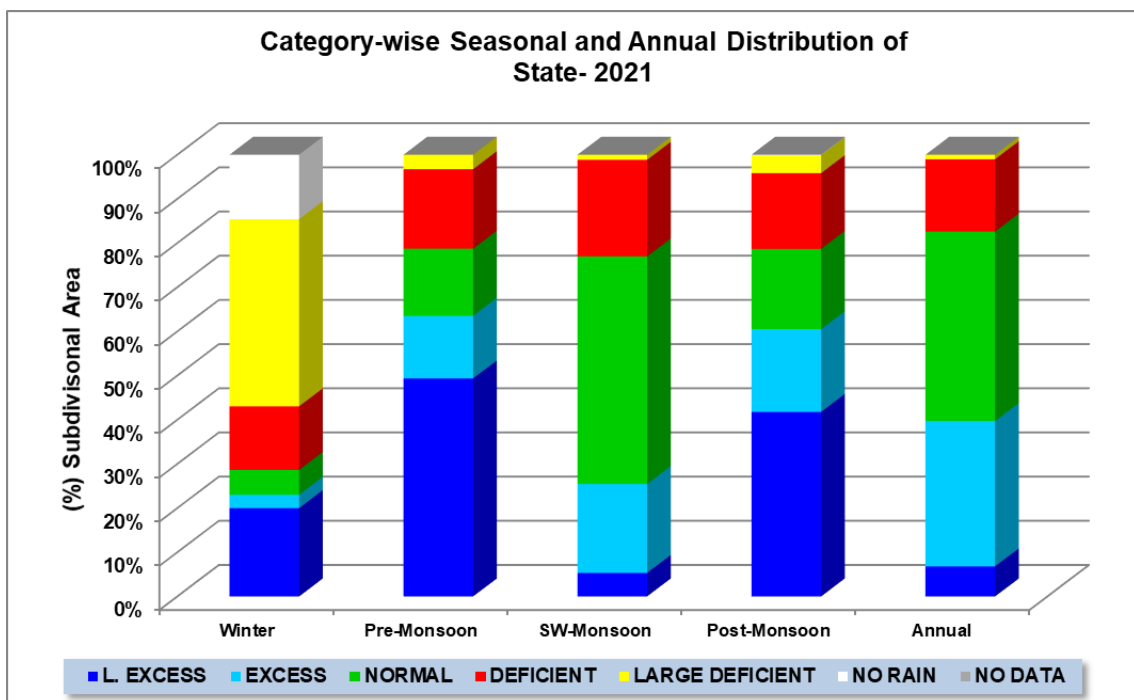


Figure 67: % Area of the country under different categories – Seasonally & Annually

5.3 AREA (%) UNDER RAINFALL DEFICIENCY– SW MONSOON 2021

Area (%) of the 37 states and UTs of India under different categories of rainfall deficiency during SW Monsoon (June-September) have been given below in tabular form in Table 18 and has been depicted in graphical form in Figure 68 as well. During SW Monsoon season 2021, only **1%** area of States of the country experienced severe rainfall deficiency, 7% of States experienced moderate rainfall deficiency and **92%** of the State-wise area did not report No deficiency.

Table 18: Area (%) of States of the country under Rainfall Deficiency – SW Monsoon 2021

Deficiency in Rainfall	Deficiency	% Area of States of Country
25 % or less	No	92%
26 % or more but < 50 %	Moderate	7%
50 % or more	Severe	1%

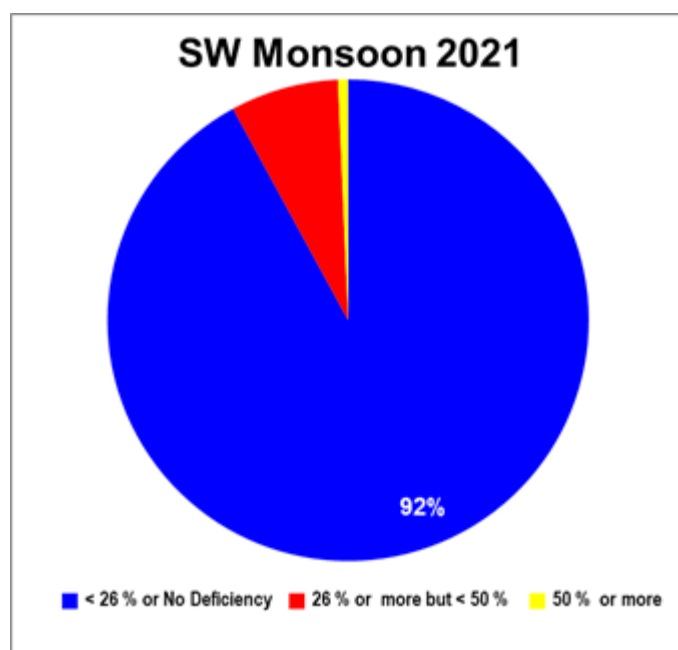


Figure 68: Area (%) of States under Rainfall Deficiency – SW Monsoon 2021

STATE-WISE RAINFALL STATISTICS

5.4 MONTHLY RAINFALL STATISTICS

State-wise monthly observed rainfall (mm) for the states have been given in Table 19. During SW Monsoon season, highest monthly rainfall of **1272.9** mm occurred over the state of Goa in the month of July and minimum rainfall of **0.9** mm occurred over the Union Territory of Ladakh in the month of August.

Table 19: State-wise Monthly Rainfall (mm) - Year 2021

NO.	STATES	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
EAST & NORTH EAST INDIA													
1	ARUNACHAL PRADESH	29.1	12.7	98.4	183.7	296.5	377.3	266.8	508.7	141.2	124.6	13.9	16.8
2	ASSAM	11.1	2.8	40.7	76.6	220.7	379.8	305.6	296.1	168.5	120.2	3.9	10.9
3	MEGHALAYA	0.5	0.7	53.4	190.1	456.0	721.3	496.8	865.9	173.6	203.4	0.0	10.3
4	NAGALAND	5.5	1.8	37.9	36.5	136.7	230.7	231.5	239.4	139.5	74.6	2.1	16.8
5	MANIPUR	8.5	1.6	37.6	57.0	131.1	174.2	132.8	170.0	83.9	74.2	4.2	38.5
6	MIZORAM	2.9	0.0	26.6	37.5	120.8	284.5	348.6	337.9	300.3	105.7	22.4	65.8
7	TRIPURA	7.5	0.0	51.5	31.3	191.2	283.4	393.7	335.0	234.0	104.6	12.2	116.5
8	SIKKIM	22.4	46.5	182.2	237.1	409.5	489.5	515.0	519.3	274.1	301.6	16.5	29.6
9	WEST BENGAL	1.0	1.0	7.8	31.6	261.5	394.3	435.8	358.6	424.2	214.2	20.5	52.2
10	JHARKHAND	1.0	2.6	9.3	7.3	223.9	266.8	319.5	200.0	255.2	111.7	24.0	23.5
11	BIHAR	0.2	0.5	1.4	5.0	259.6	354.3	258.3	328.7	103.0	189.6	0.0	12.0
NORTH WEST INDIA													
1	UTTAR PRADESH	5.5	2.0	0.5	2.5	92.7	151.5	212.8	214.2	170.7	89.3	0.1	4.3
2	UTTARAKHAND	27.3	17.2	11.0	57.7	175.5	262.9	371.6	307.6	214.0	203.2	1.0	15.4
3	HARYANA	21.1	5.0	4.3	4.5	45.7	48.8	253.1	81.9	187.5	25.1	0.0	2.8
4	CHANDIGARH (UT)	6.3	13.3	6.2	13.9	60.8	119.4	148.1	160.2	172.5	41.0	0.2	0.5
5	DELHI	29.6	1.4	1.2	2.6	72.6	29.6	338.9	144.7	232.1	56.7	0.0	4.0
6	PUNJAB	10.4	2.6	6.9	18.9	23.9	49.7	173.7	70.3	143.2	34.6	0.1	0.1
7	HIMACHAL PRADESH	38.4	19.3	41.7	111.8	60.1	84.6	289.0	146.0	171.3	56.7	1.1	17.6
8	JAMMU & KASHMIR (UT)	87.3	35.3	103.9	83.2	61.0	38.2	212.3	74.1	76.9	101.0	4.9	16.6
9	LADAKH (UT)	4.1	4.4	7.2	9.0	4.0	1.4	11.4	0.9	8.2	4.2	0.1	2.1
10	RAJASTHAN	5.5	2.0	0.5	2.5	92.7	151.5	212.8	214.2	170.7	89.3	0.1	4.3
CENTRAL INDIA													
1	ODISHA	1.3	2.9	5.1	26.0	157.5	181.3	275.0	204.9	384.0	80.4	53.7	48.8
2	MADHYA PRADESH	3.3	5.9	7.7	1.3	59.6	166.4	280.2	264.4	231.7	55.6	5.3	11.3
3	GUJARAT	1.1	0.1	0.0	1.2	48.6	98.9	148.2	47.0	400.5	24.2	13.0	10.4
4	DADRA & NAGAR HAVELI (UT)	0.0	0.0	0.0	0.0	139.2	430.0	713.5	365.0	1165.7	114.2	22.8	84.0
5	DAMAN & DIU (UT)	0.0	0.0	0.0	0.0	218.3	204.1	490.1	493.8	681.1	19.2	31.3	75.0
6	GOA	26.1	11.3	0.9	27.8	256.1	946.9	1272.9	346.2	559.1	223.3	182.6	94.0
7	MAHARASHTRA	6.9	5.9	6.6	9.7	46.5	267.5	397.2	179.3	350.2	82.7	25.5	32.7
8	CHHATISGARH	2.3	10.5	4.0	18.1	75.2	244.4	331.7	221.5	310.2	39.5	23.0	29.4

STATE-WISE RAINFALL STATISTICS

NO.	STATES	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
SOUTH PENINSULA													
1	A & N ISLAND (UT)	42.7	48.8	38.3	150.2	414.1	315.9	535.3	506.5	667.3	413.1	265.7	95.5
2	ANDHRA PRADESH	15.8	8.6	0.4	28.6	75.5	95.6	202.5	138.5	177.0	118.8	269.1	18.5
3	TELANGANA	1.7	1.7	0.4	23.4	42.9	195.7	365.7	192.8	290.1	59.1	33.6	1.5
4	TAMILNADU	139.1	11.7	7.4	36.9	76.6	62.4	124.7	88.7	117.6	228.1	423.1	60.4
5	PUDUCHERRY (UT)	197.1	153.2	0.4	4.1	59.8	44.5	104.5	147.3	139.5	380.5	986.3	58.3
6	KARNATAKA	22.4	13.9	3.0	49.4	126.8	224.0	311.9	168.6	160.9	194.2	155.2	20.5
7	KERALA	105.5	8.6	49.7	127.6	569.4	408.3	577.4	416.2	317.1	589.5	394.5	42.3
8	LAKSHADWEEP (UT)	167.5	49.3	9.3	95.8	409.5	160.0	156.5	319.5	154.9	160.1	165.1	51.1

State-wise percentage departure of monthly rainfall from their monthly normal rainfall have been given in Table 20. It is observed that months of January, February, March in Deficient/ Large Deficient/ No Rain category of rainfall. All the States in Central and South Peninsular region were in Large excess/excess/Normal Rainfall category during the months of May and September.

All the states of Central India experienced monthly rainfall in normal/excess/Large-excess category during months of May, Sept and December While States in Northwest India region had monthly average rainfall in the normal/excess/Large excess category in the months of October

Table 20: % Departure of State-wise monthly rainfall - Year 2021

STATES	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
EAST & NORTH EAST INDIA												
ARUNACHAL PRADESH	-38%	-87%	-46%	-39%	3%	-23%	-49%	41%	-60%	-33%	-69%	-55%
ASSAM	-28%	-92%	-46%	-58%	-23%	-9%	-32%	-15%	-38%	-6%	-83%	3%
MEGHALAYA	-97%	-97%	-37%	-21%	6%	-9%	-49%	41%	-63%	-24%	-100%	-11%
NAGALAND	-65%	-93%	-31%	-72%	-28%	-18%	-32%	-20%	-37%	-37%	-93%	60%
MANIPUR	-33%	-95%	-32%	-54%	-27%	-59%	-65%	-50%	-68%	-54%	-92%	199%
MIZORAM	-73%	-99%	-66%	-75%	-65%	-35%	-20%	-19%	-18%	-48%	-55%	453%
TRIPURA	-5%	-100%	-35%	-85%	-51%	-38%	-2%	-2%	-8%	-39%	-69%	905%
SIKKIM	-35%	-36%	36%	23%	44%	15%	12%	28%	-13%	81%	-46%	54%
WEST BENGAL	-91%	-95%	-74%	-50%	84%	24%	4%	-1%	38%	62%	5%	615%
JHARKHAND	-92%	-84%	-38%	-63%	361%	33%	-1%	-33%	9%	50%	167%	256%
BIHAR	-98%	-95%	-82%	-70%	356%	111%	-26%	15%	-52%	208%	-100%	123%
NORTH WEST INDIA												
UTTAR PRADESH	-55%	-86%	-94%	-57%	418%	60%	-20%	-18%	1%	188%	-96%	-33%
UTTARAKHAND	-34%	-71%	-80%	66%	168%	48%	-9%	-23%	10%	476%	-86%	-14%
HARYANA	48%	-70%	-64%	-43%	142%	3%	63%	-48%	139%	156%	-99%	-57%
CHANDIGARH (UT)	-85%	-68%	-82%	-3%	87%	-8%	-48%	-44%	19%	85%	-98%	-98%
DELHI	111%	-92%	-92%	-66%	156%	-52%	73%	-32%	101%	385%	-100%	-45%

STATE-WISE RAINFALL STATISTICS

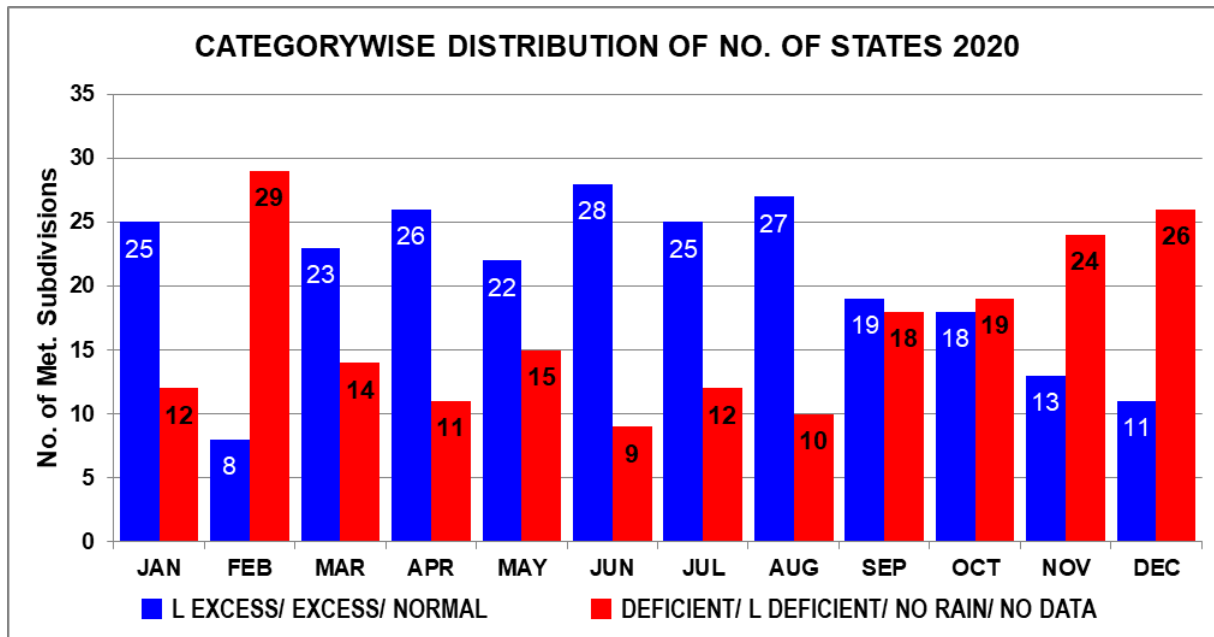


Figure 69: Category-wise distribution of States – Monthly – Year 2020

5.6 DAILY RAINFALL DISTRIBUTION – SW MONSOON 2021

Daily observed rainfall distributions for each of the total 36 states & UTs along with their daily rainfall Normal, region-wise, have been depicted in Figure 70 through Figure 105.

REGION: NORTH WEST INDIA

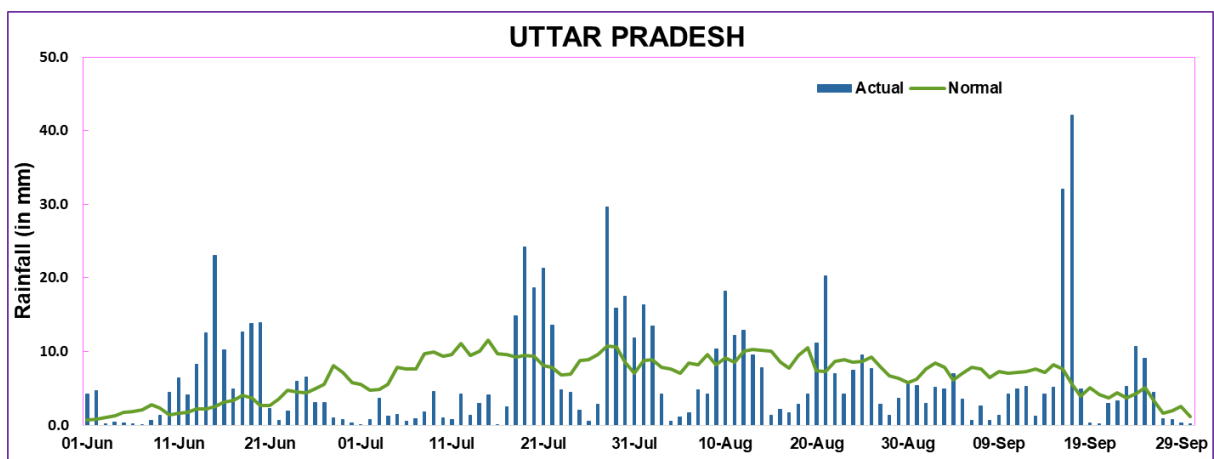


Figure 70: Uttar Pradesh - Rainfall Distribution - SW Monsoon 2021

STATE-WISE RAINFALL STATISTICS

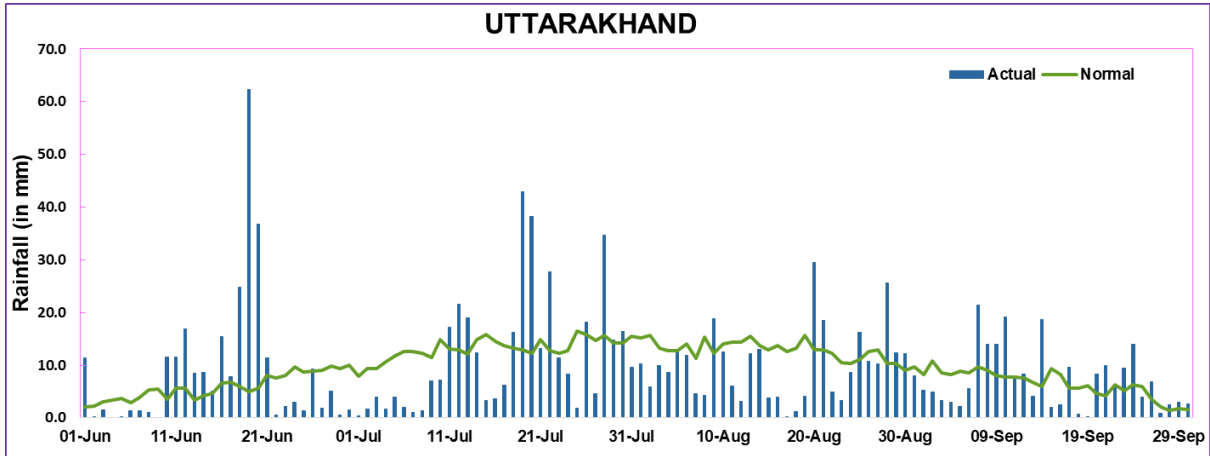


Figure 71: Uttarakhand - Rainfall Distribution - SW Monsoon 2021

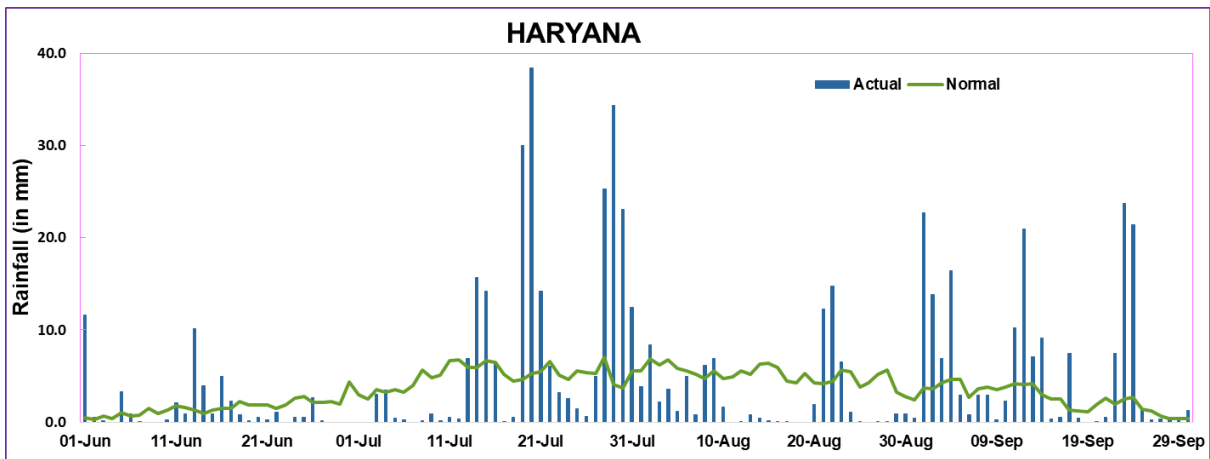


Figure 72: Haryana - Rainfall Distribution - SW Monsoon 2021

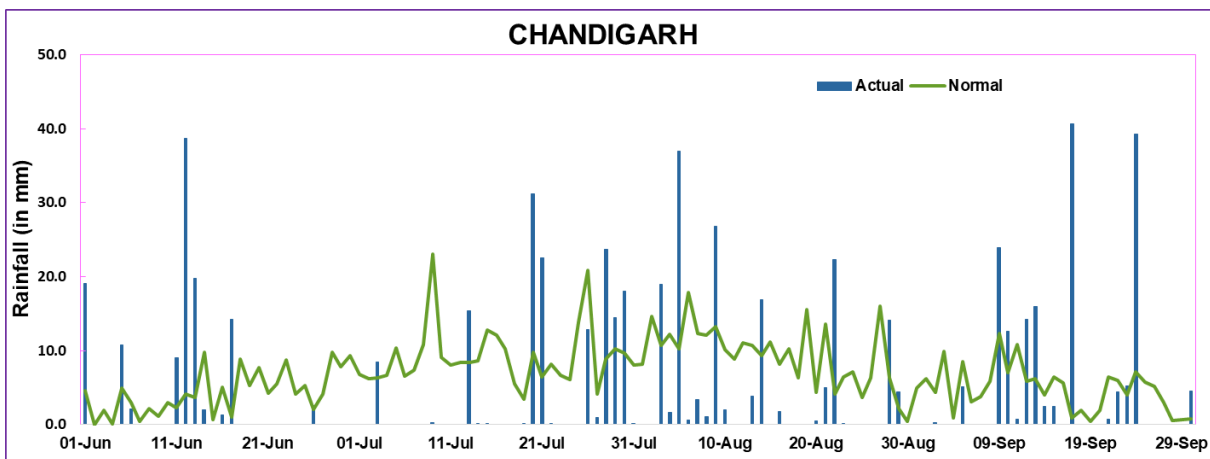


Figure 73: Chandigarh - Rainfall Distribution - SW Monsoon 2021

STATE-WISE RAINFALL STATISTICS

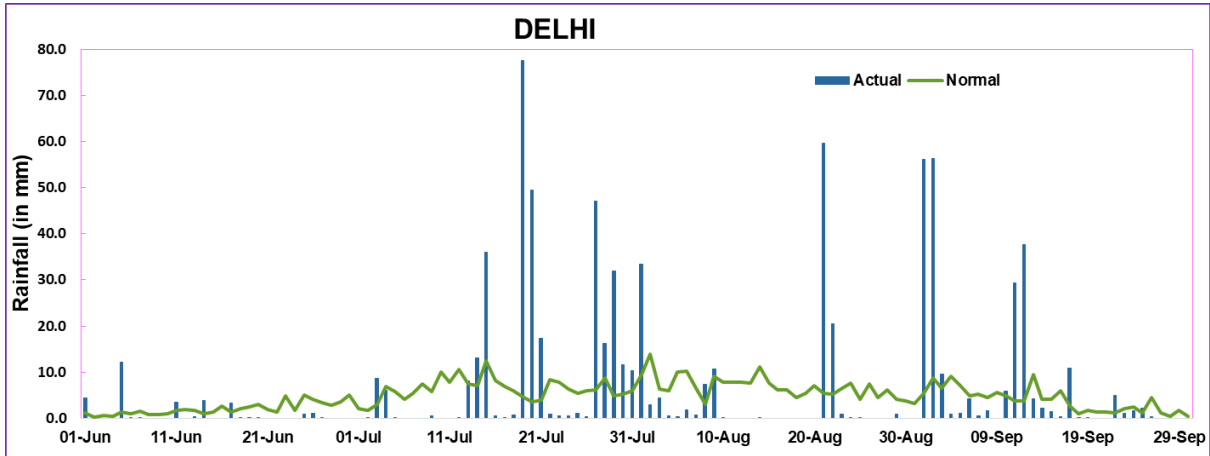


Figure 74: Delhi - Rainfall Distribution - SW Monsoon 2021

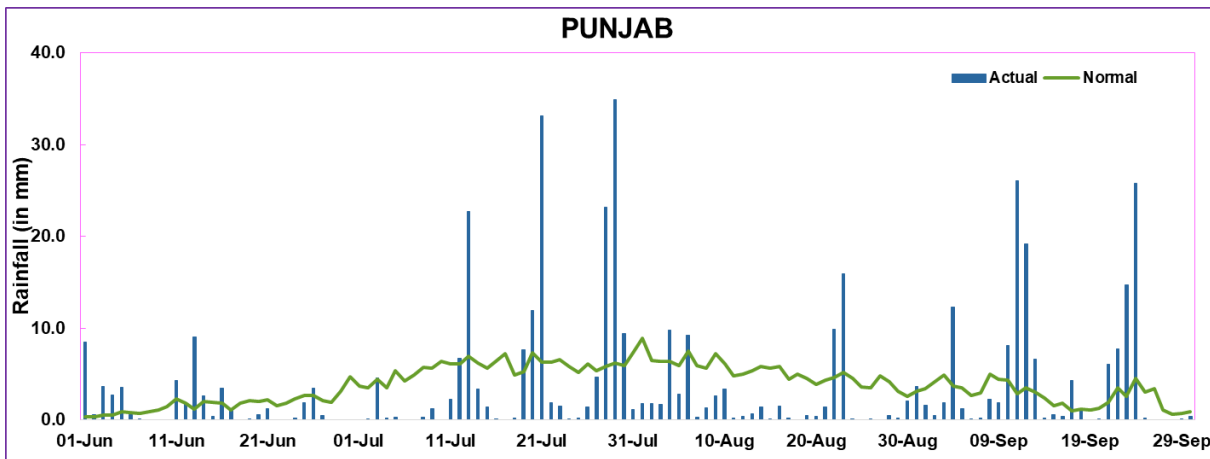


Figure 75: Punjab - Rainfall Distribution - SW Monsoon 2021

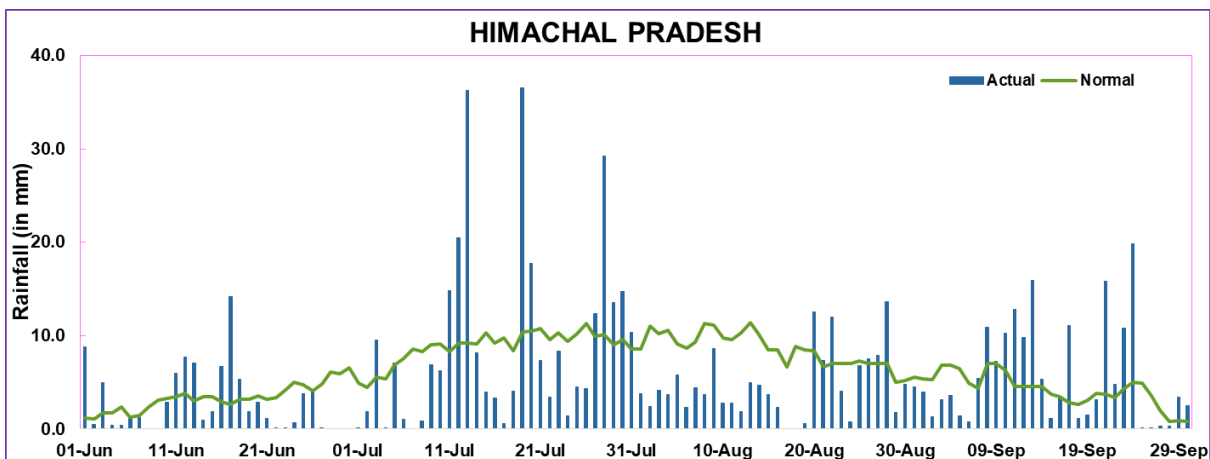


Figure 76: Himachal Pradesh - Rainfall Distribution - SW Monsoon 2021

STATE-WISE RAINFALL STATISTICS

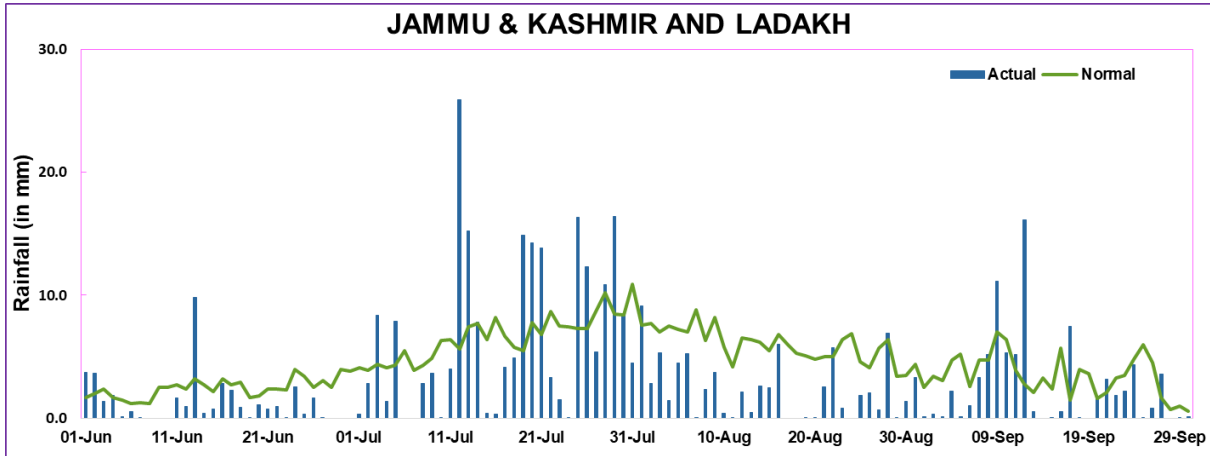


Figure 77: Jammu & Kashmir - Rainfall Distribution - SW Monsoon 2021

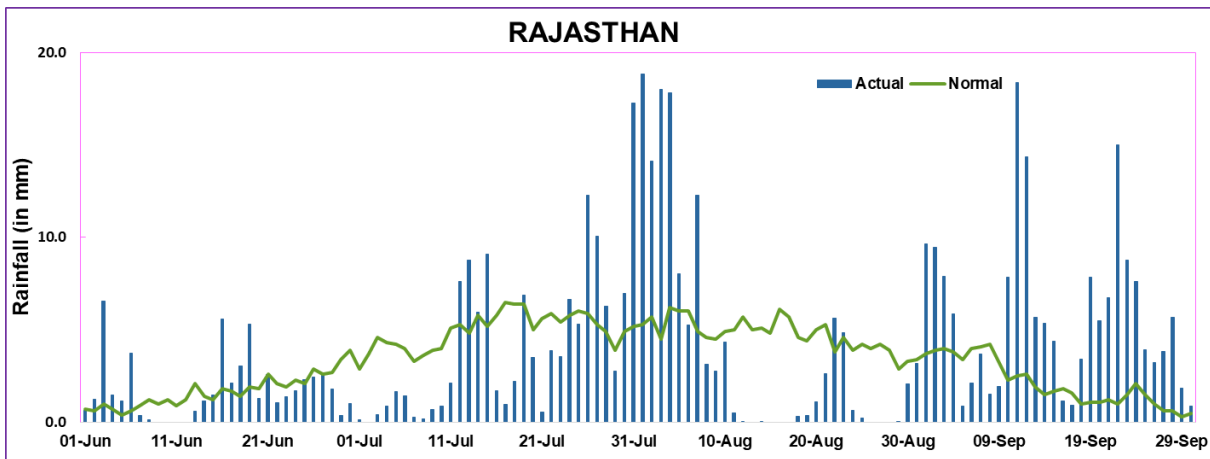


Figure 78: Rajasthan - Rainfall Distribution - SW Monsoon 2021

REGION: CENTRAL INDIA

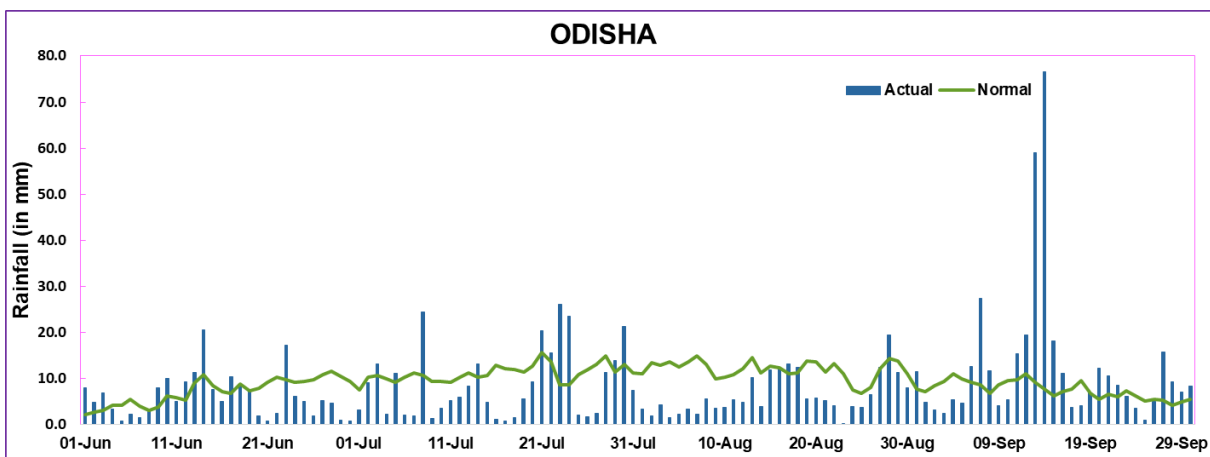


Figure 79: Odisha - Rainfall Distribution - SW Monsoon 2021

STATE-WISE RAINFALL STATISTICS

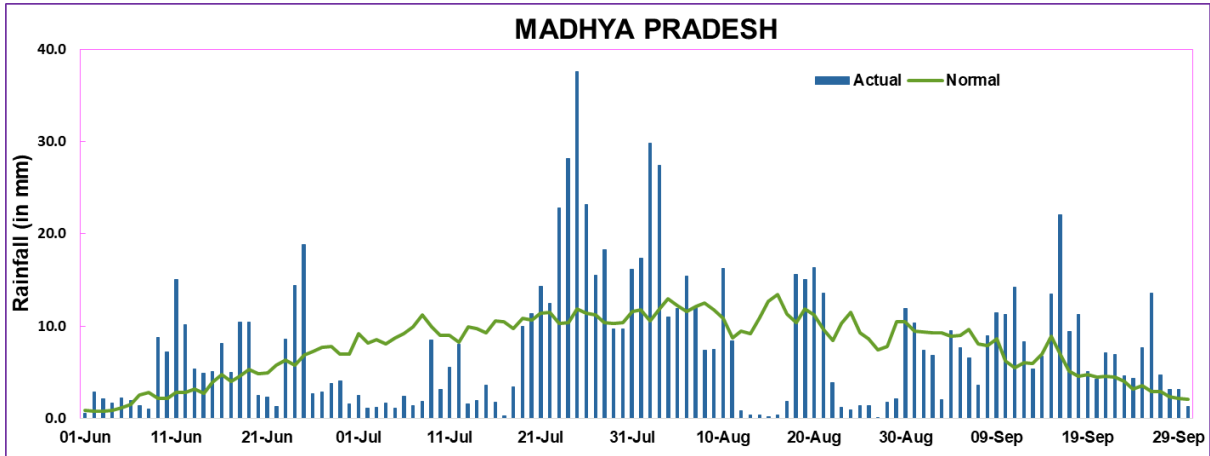


Figure 80: Madhya Pradesh - Rainfall Distribution - SW Monsoon 2021

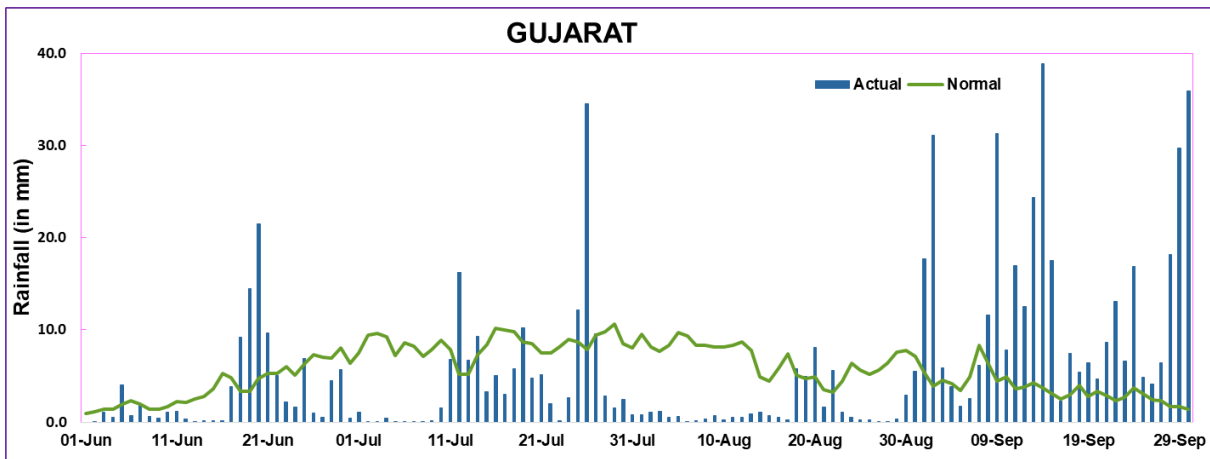


Figure 81: Gujarat - Rainfall Distribution - SW Monsoon 2021

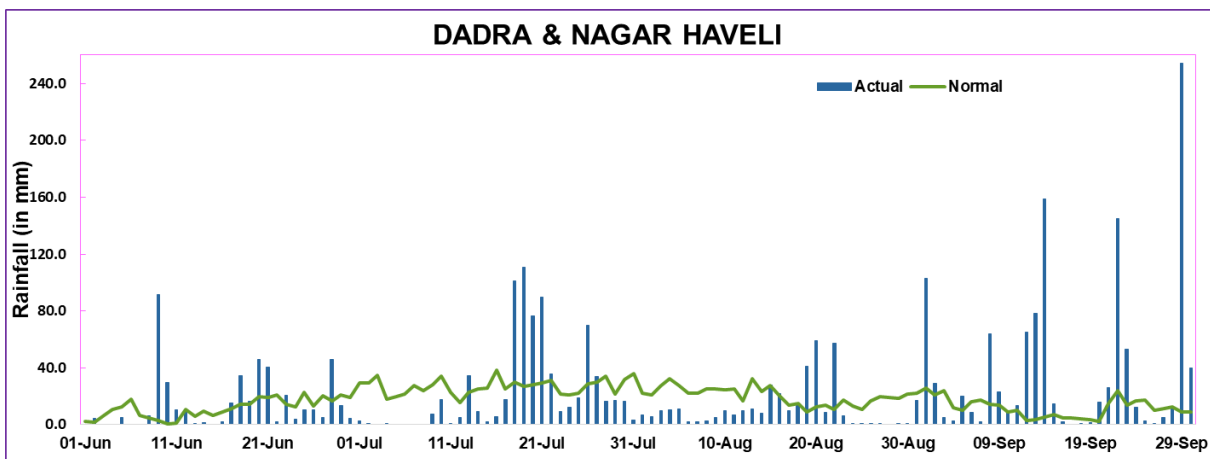


Figure 82: Dadra & Nagar Haveli - Rainfall Distribution - SW Monsoon 2021

STATE-WISE RAINFALL STATISTICS

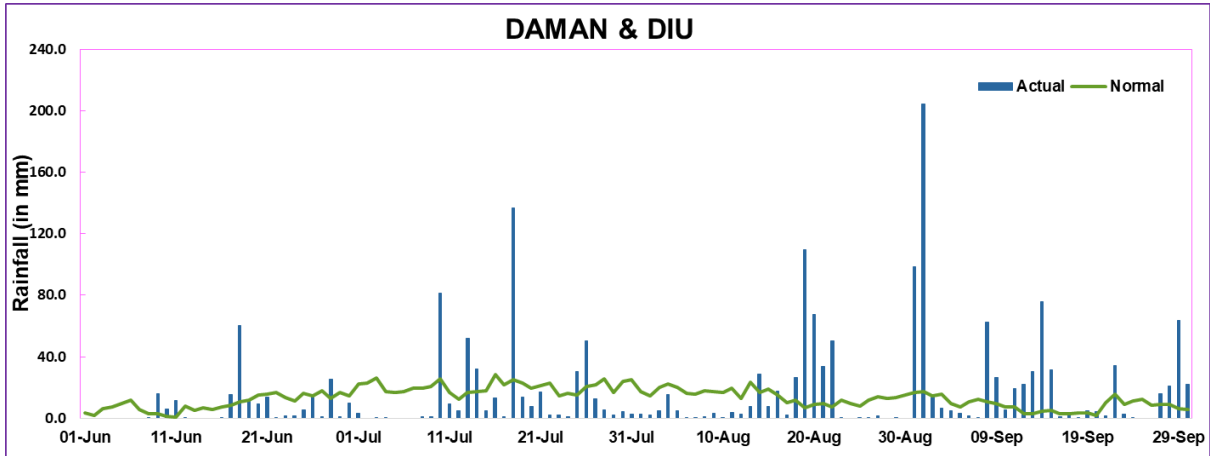


Figure 83: Damam & Diu - Rainfall Distribution - SW Monsoon 2021

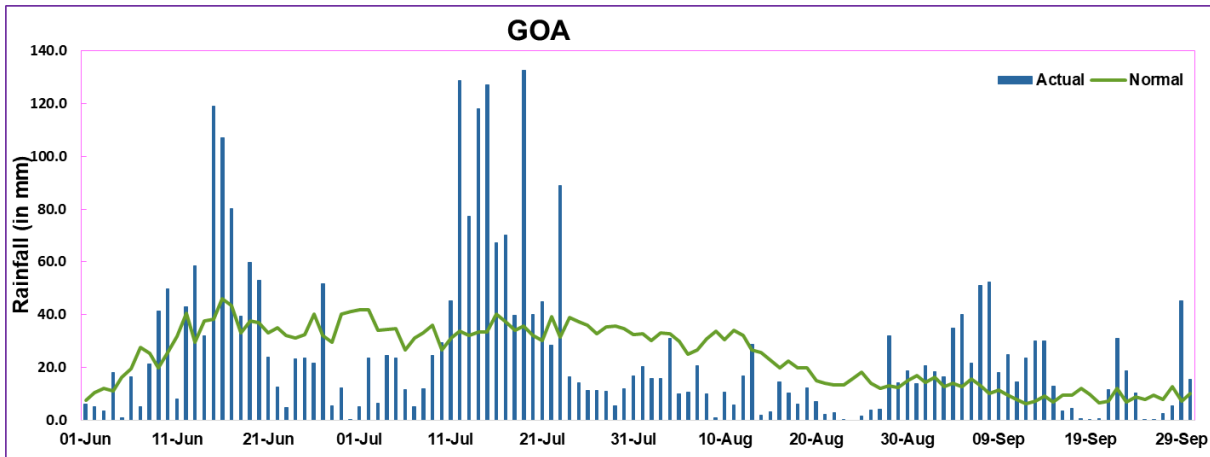


Figure 84: Goa - Rainfall Distribution - SW Monsoon 2021

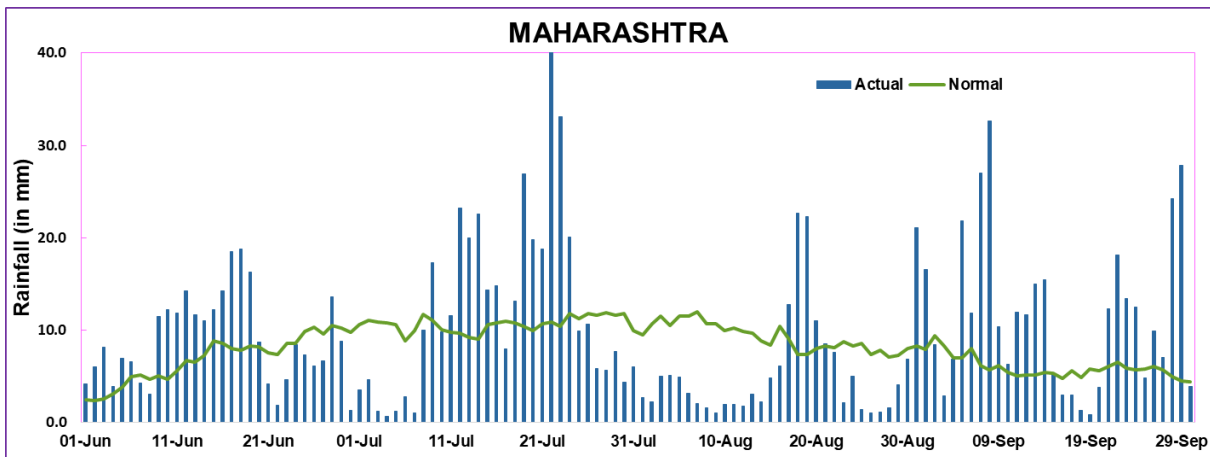


Figure 85: Maharashtra - Rainfall Distribution - SW Monsoon 2021

STATE-WISE RAINFALL STATISTICS

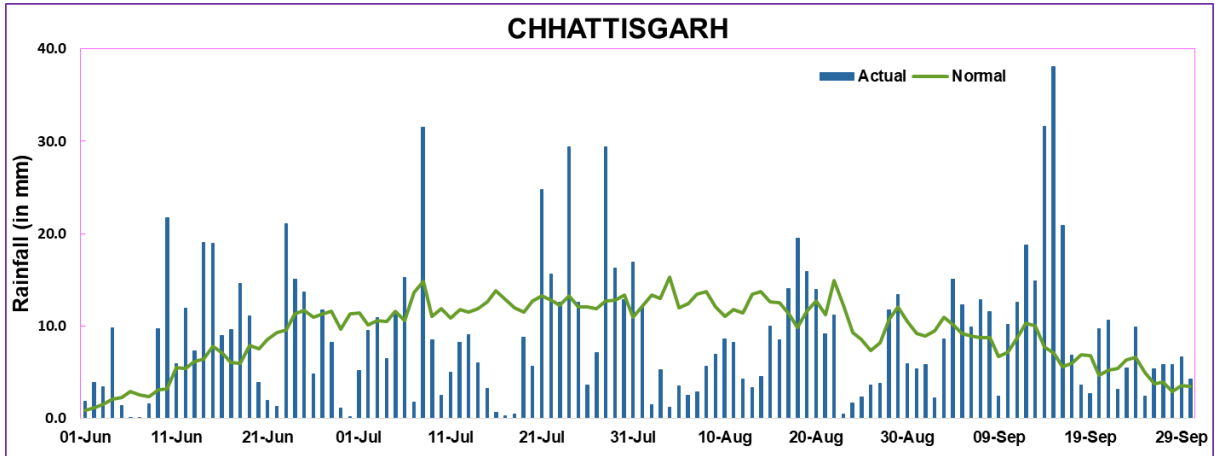


Figure 86: Chhattisgarh - Rainfall Distribution - SW Monsoon 2021

REGION: SOUTH PENINSULA

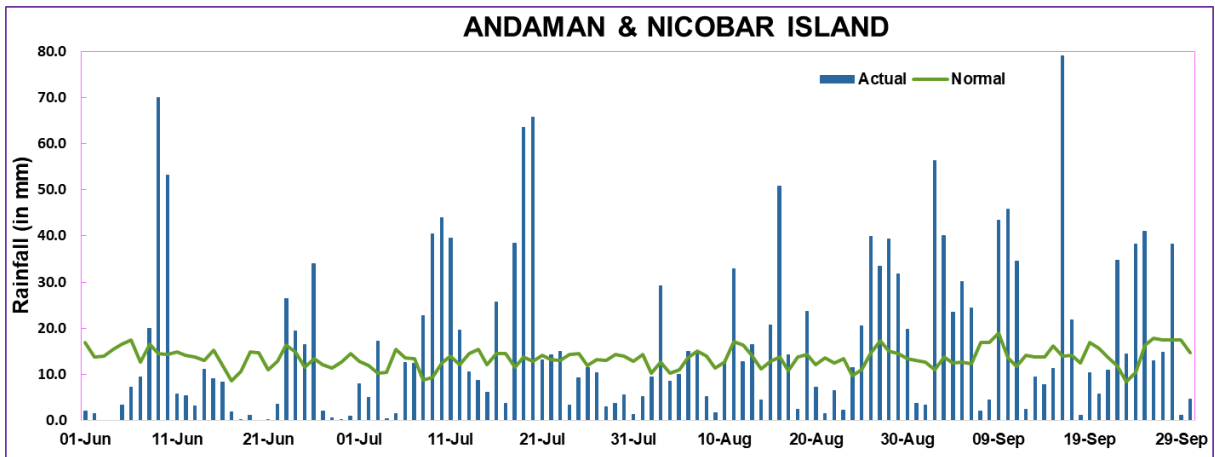


Figure 87: A & N Island - Rainfall Distribution - SW Monsoon 2021

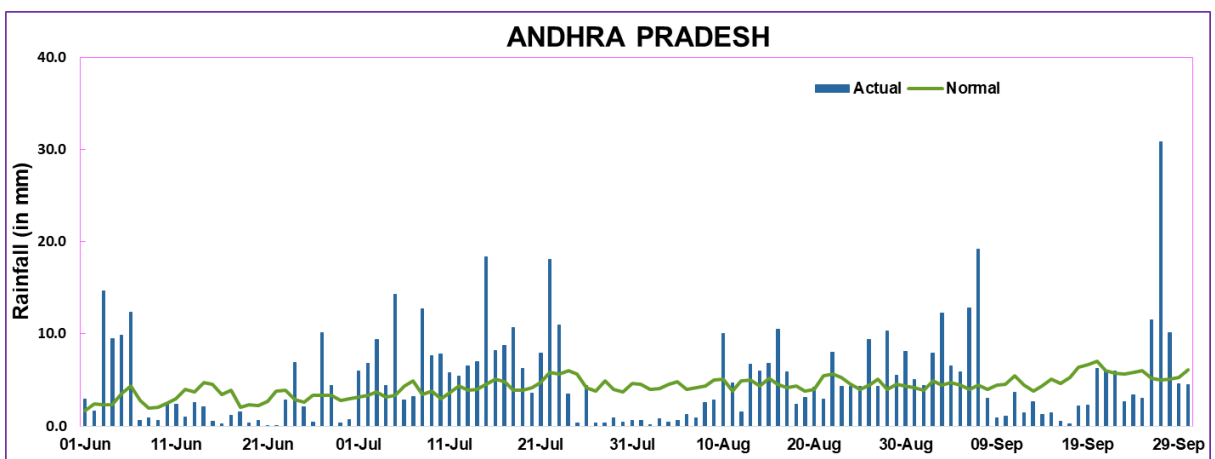


Figure 88 Andhra Pradesh - Rainfall Distribution - SW Monsoon 2021

STATE-WISE RAINFALL STATISTICS

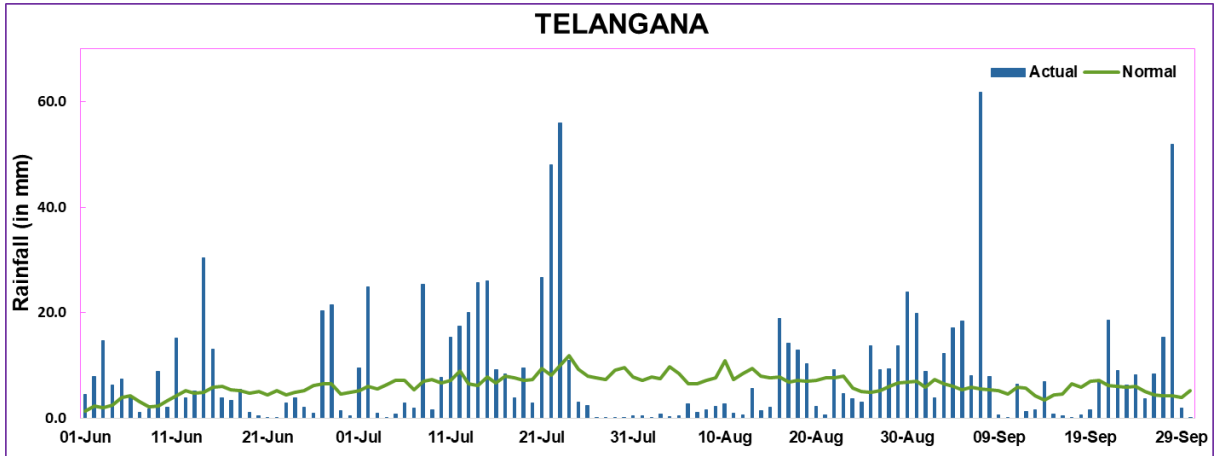


Figure 89: Telangana - Rainfall Distribution - SW Monsoon 2021

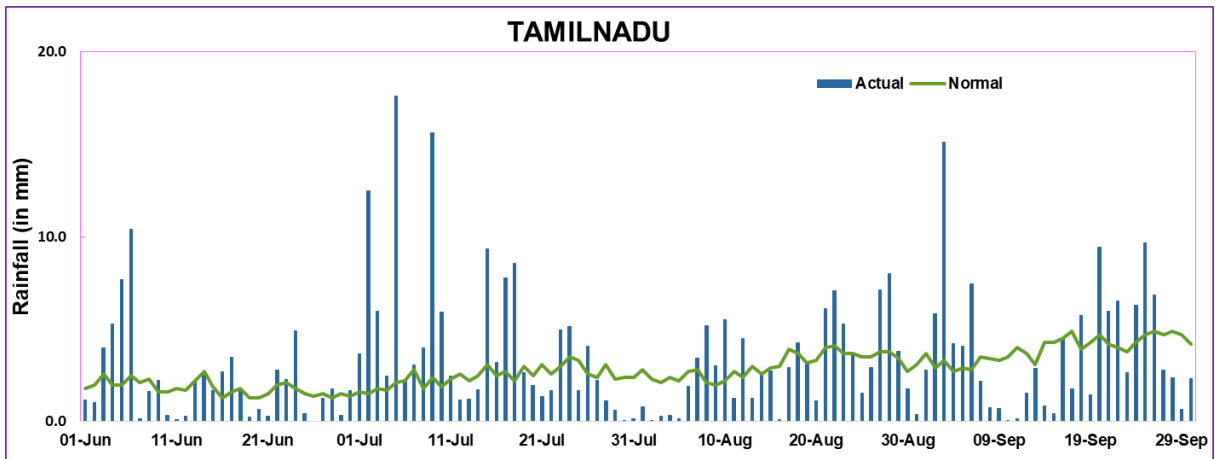


Figure 90: Tamilnadu - Rainfall Distribution - SW Monsoon 2021

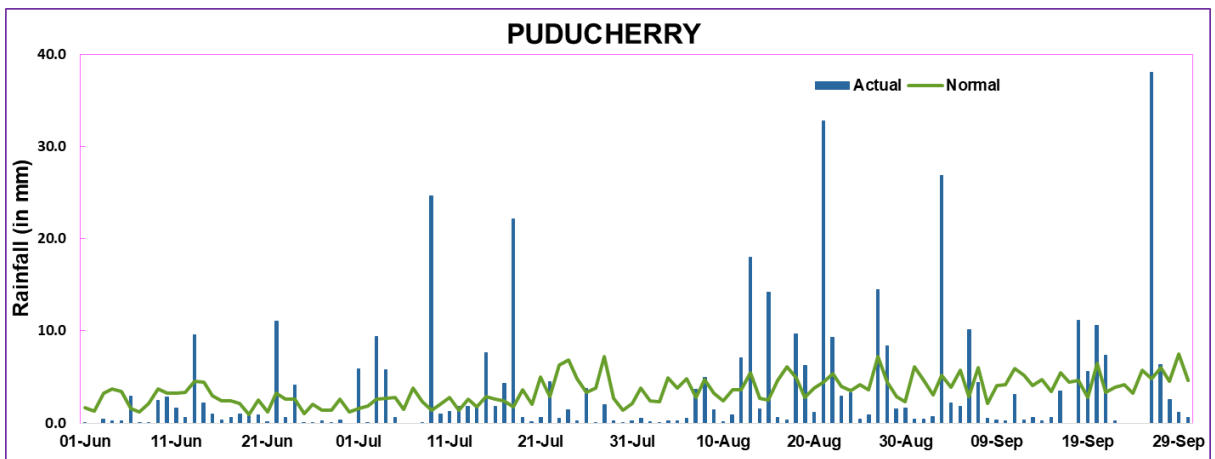


Figure 91: Puducherry - Rainfall Distribution - SW Monsoon 2021

STATE-WISE RAINFALL STATISTICS

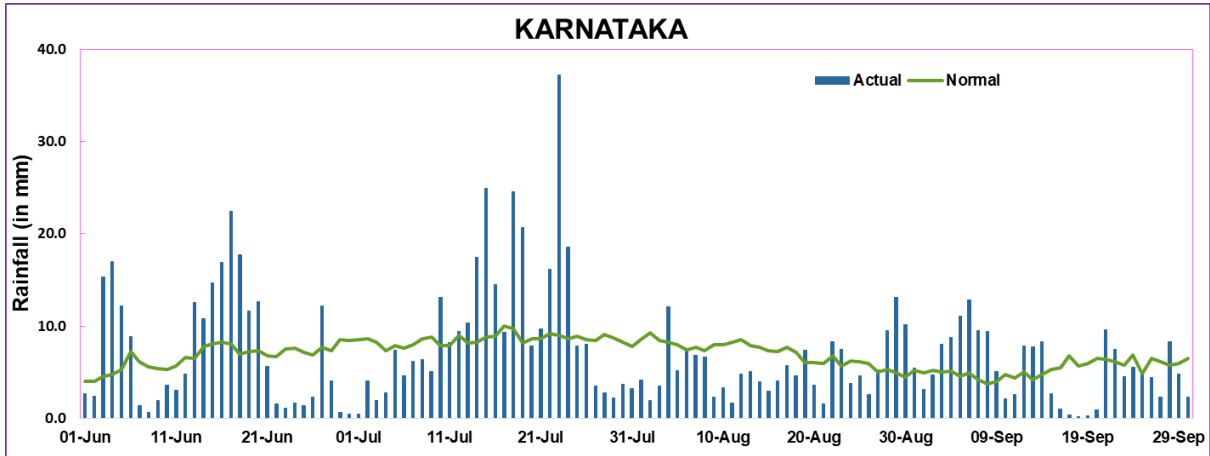


Figure 92: Karnataka - Rainfall Distribution - SW Monsoon 2021

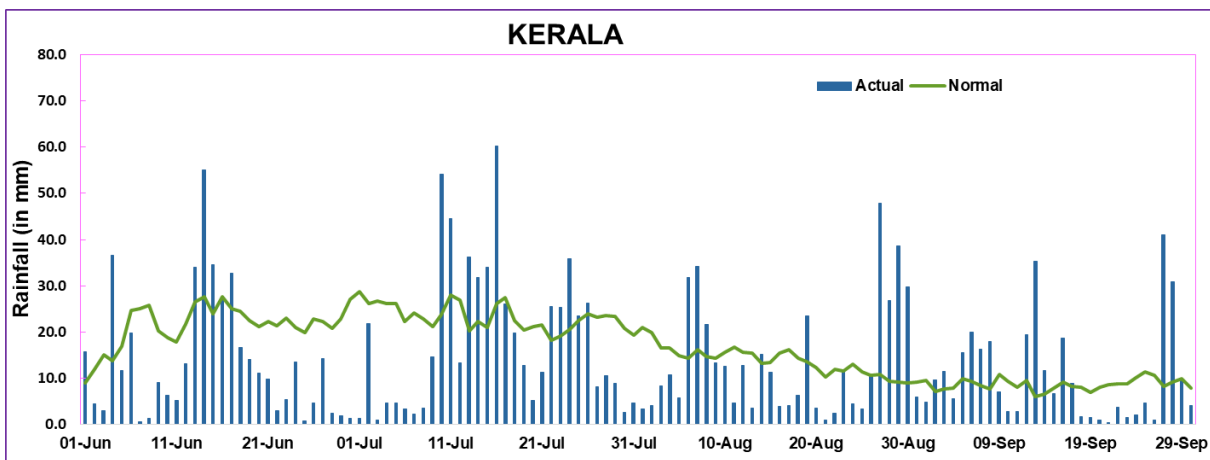


Figure 93: Kerala - Rainfall Distribution - SW Monsoon 2021

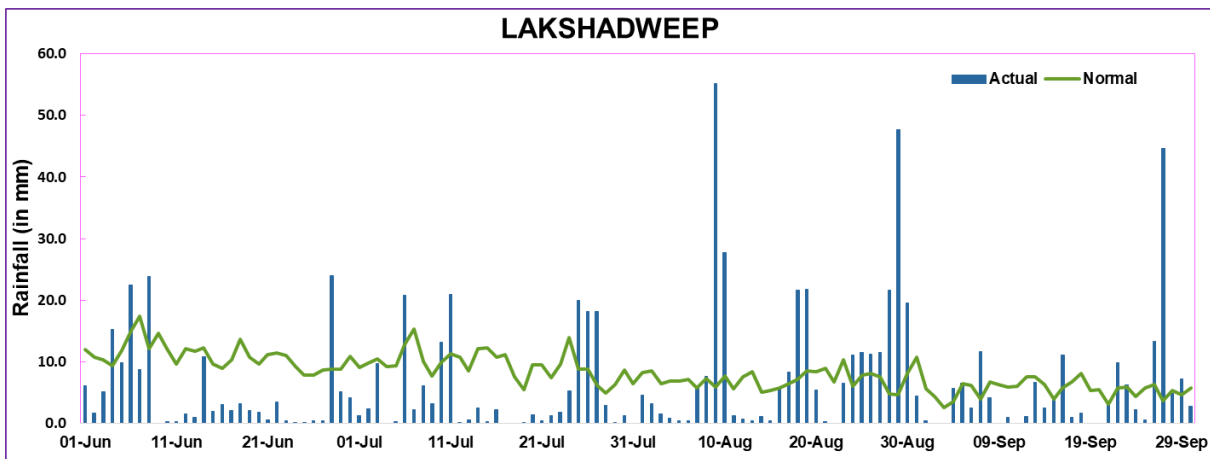


Figure 94: Lakshadweep - Rainfall Distribution - SW Monsoon 2021

STATE-WISE RAINFALL STATISTICS

REGION: EAST & NORTH EAST INDIA

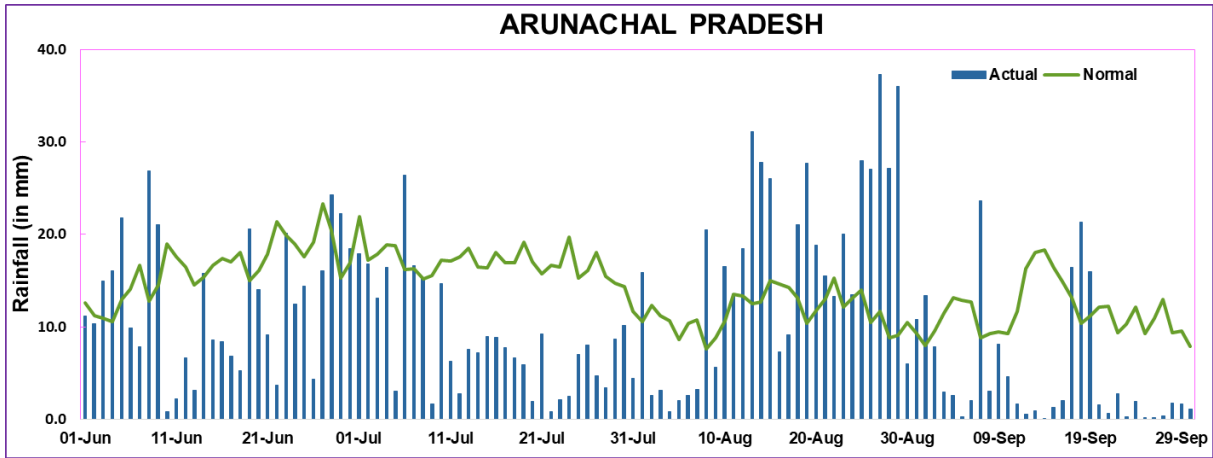


Figure 95: Arunachal Pradesh - Rainfall Distribution - SW Monsoon 2021

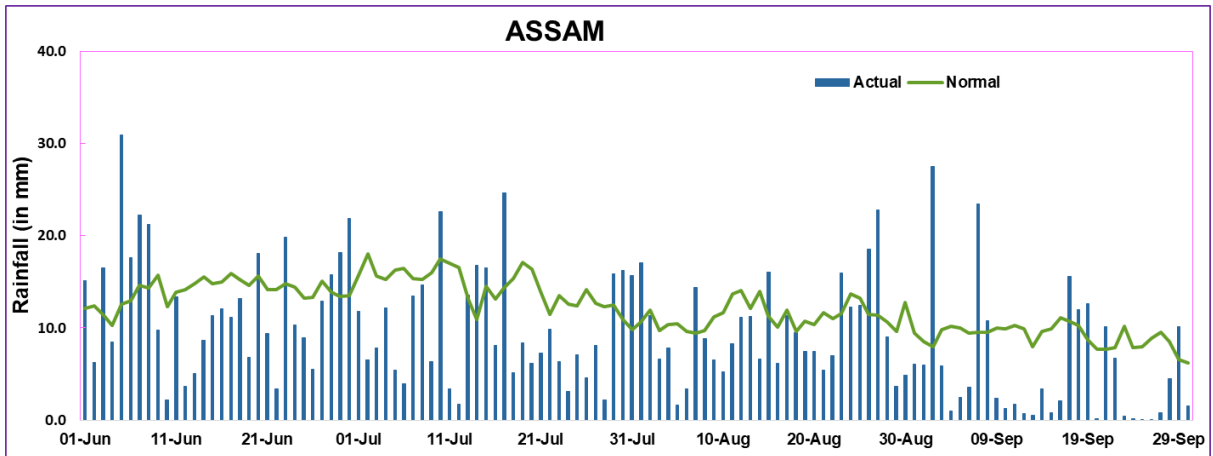


Figure 96: Assam - Rainfall Distribution - SW Monsoon 2021

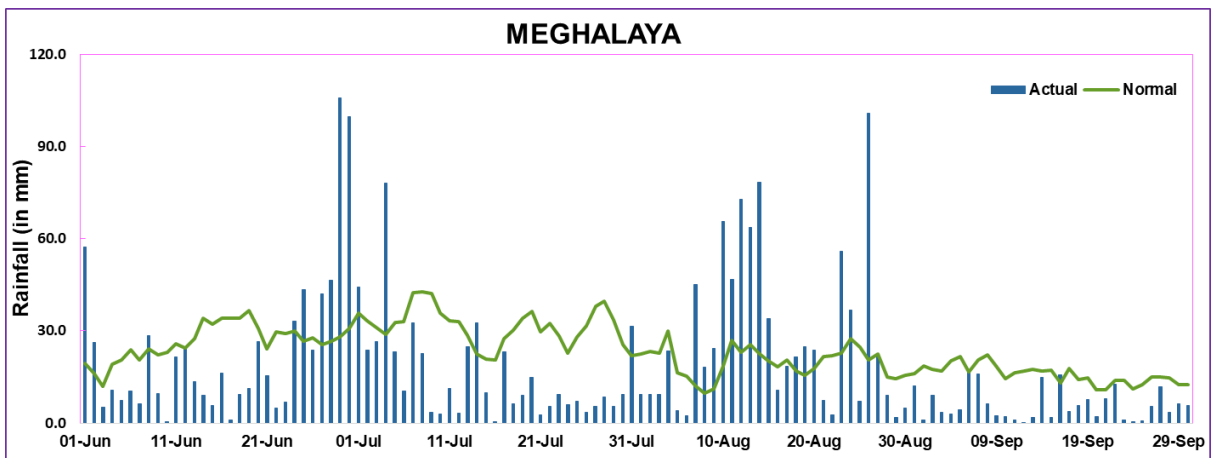


Figure 97: Meghalaya - Rainfall Distribution - SW Monsoon 2021

STATE-WISE RAINFALL STATISTICS

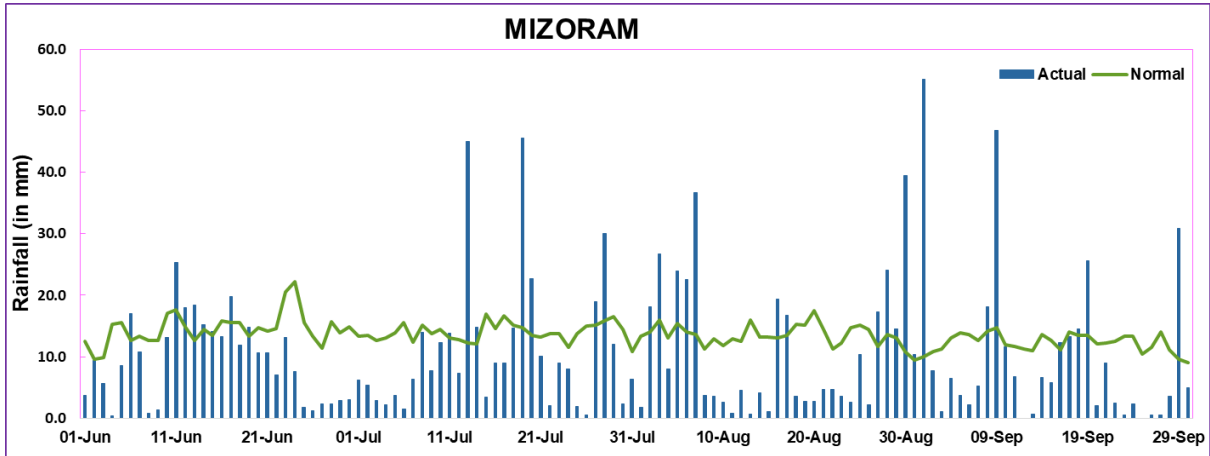


Figure 98: Mizoram - Rainfall Distribution - SW Monsoon 2021

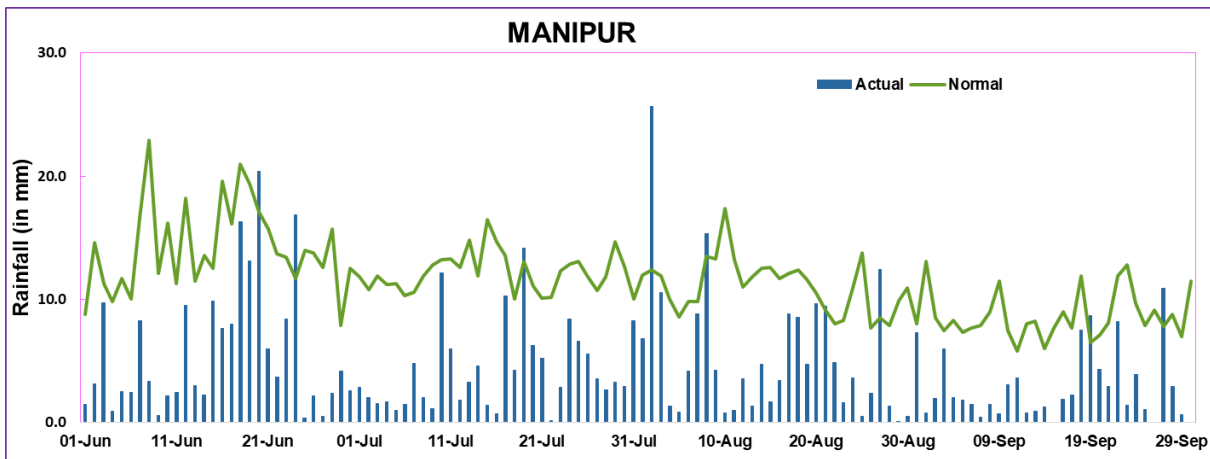


Figure 99: Manipur - Rainfall Distribution - SW Monsoon 2021

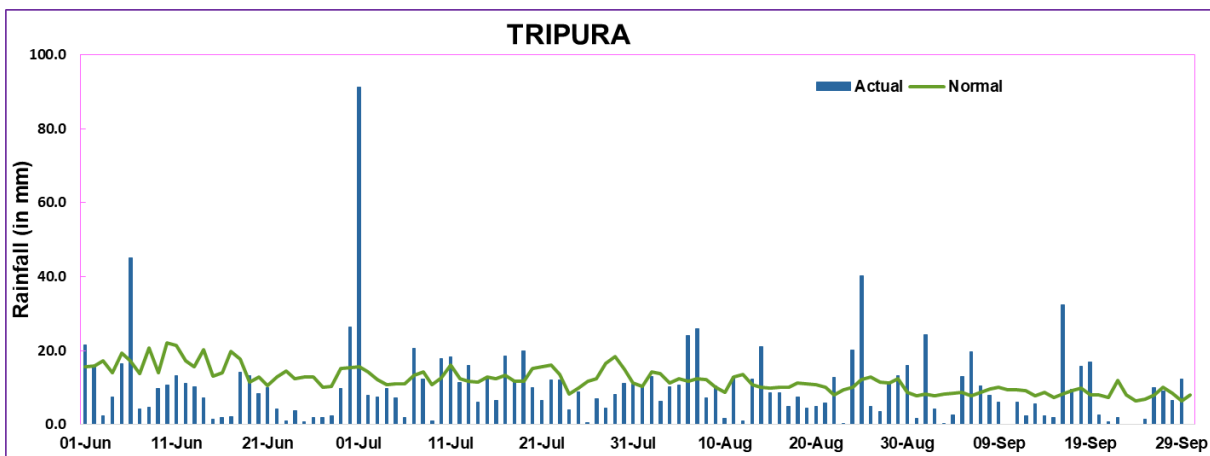


Figure 100: Tripura - Rainfall Distribution - SW Monsoon 2021

STATE-WISE RAINFALL STATISTICS

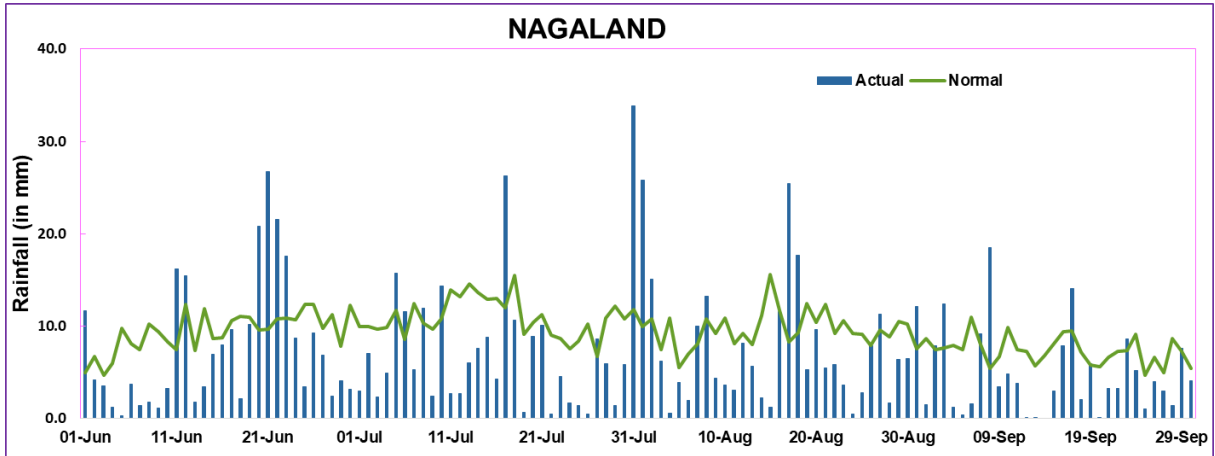


Figure 101: Nagaland - Rainfall Distribution - SW Monsoon 2021

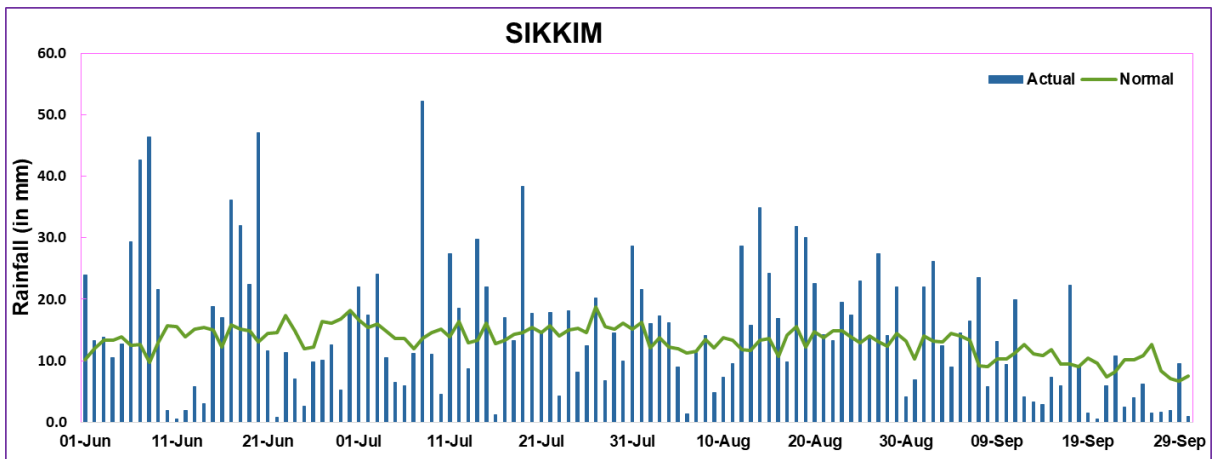


Figure 102: Sikkim- Rainfall Distribution - SW Monsoon 2021

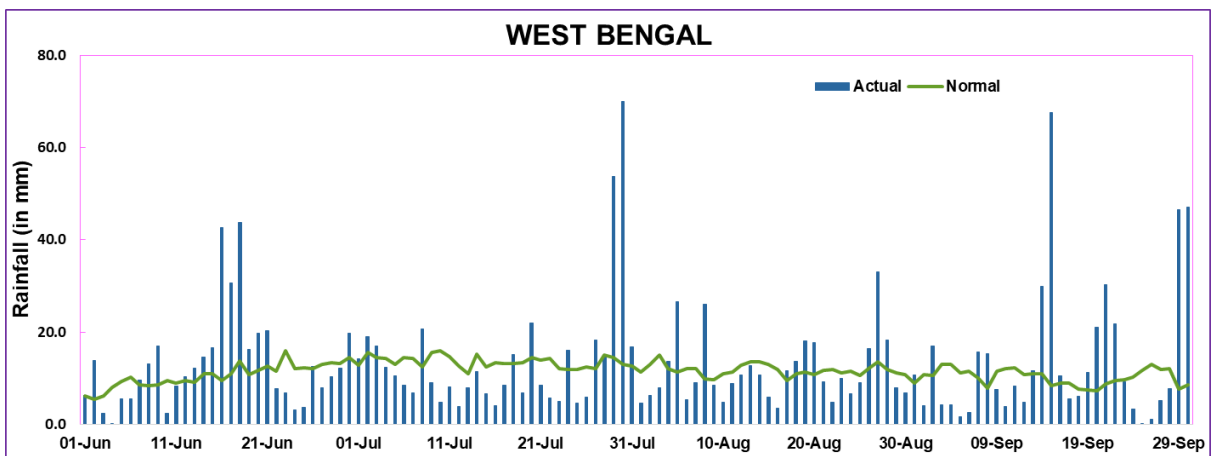


Figure 103: West Bengal - Rainfall Distribution - SW Monsoon 2021

STATE-WISE RAINFALL STATISTICS

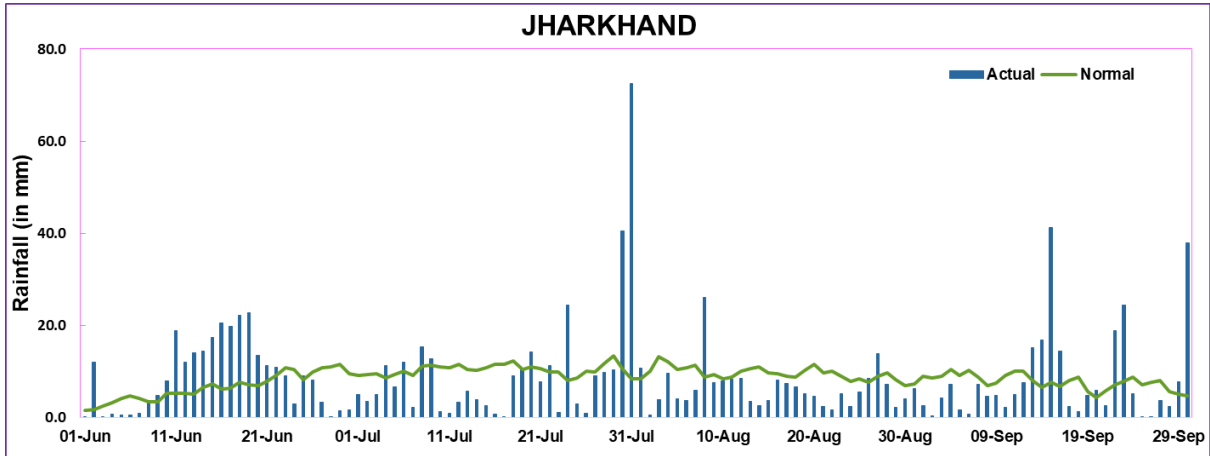


Figure 104: Jharkhand - Rainfall Distribution - SW Monsoon 2021

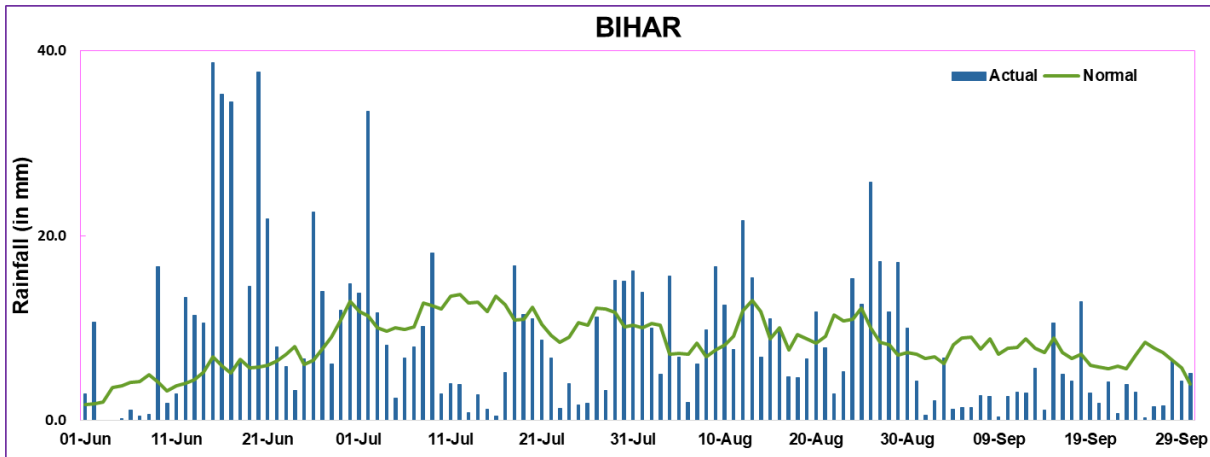


Figure 105: Bihar - Rainfall Distribution - SW Monsoon 2021

State-wise rainfall maps for the year 2021 and for the four seasons depicting the observed and normal rainfall values along with their percentage departure from Normal with colors defined for different categories are given below at Figure 106 to Figure 110.



भारत मौसम विज्ञान विभाग
INDIA METEOROLOGICAL DEPARTMENT

जल मौसम विज्ञान प्रभाग, नई दिल्ली
HYDROMET DIVISION, NEW DELHI

STATE RAINFALL MAP

Period : 01-01-2021 To 31-12-2021

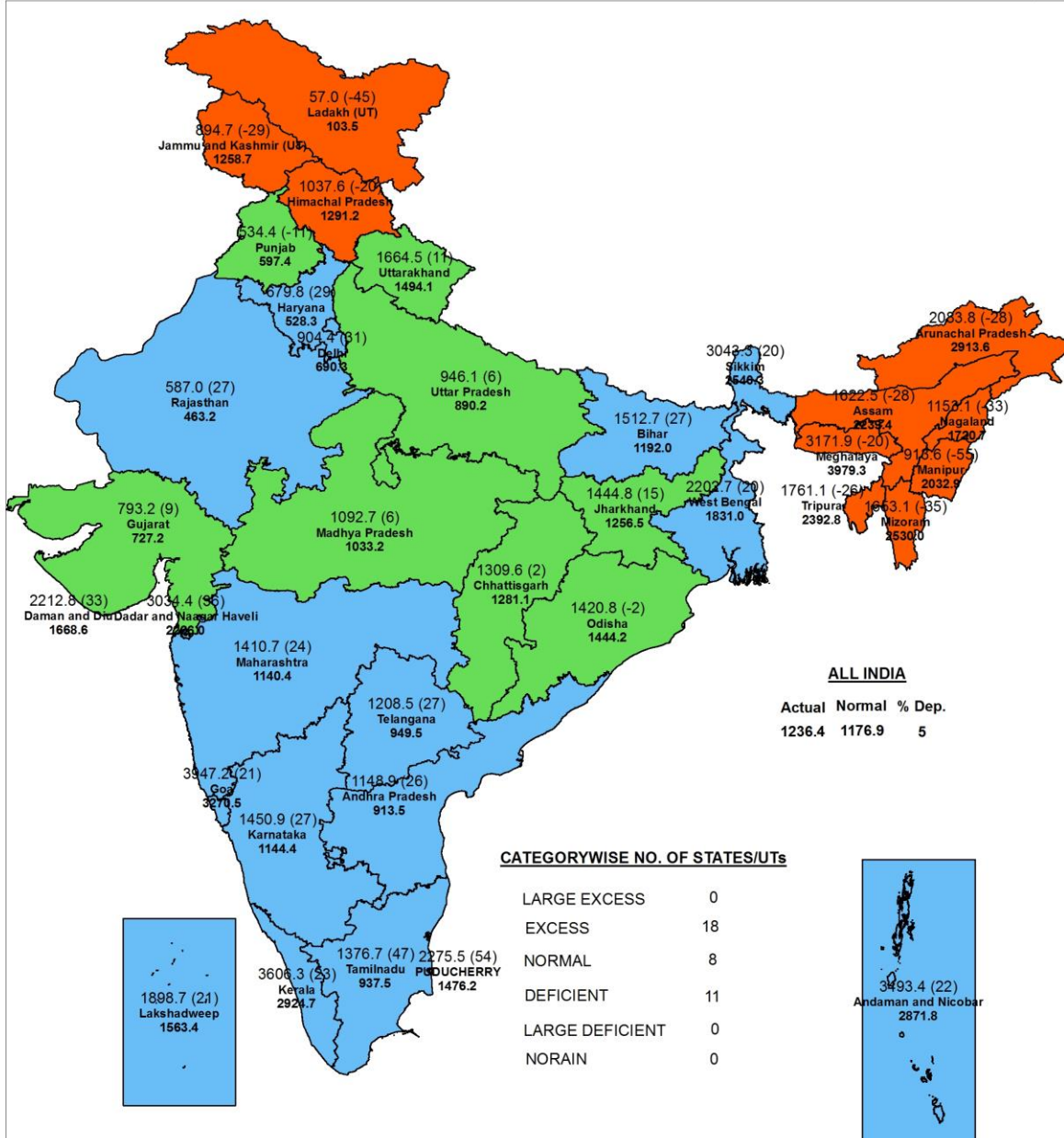


Figure 106: State-wise Rainfall Map- Annual 2021

STATE-WISE RAINFALL STATISTICS

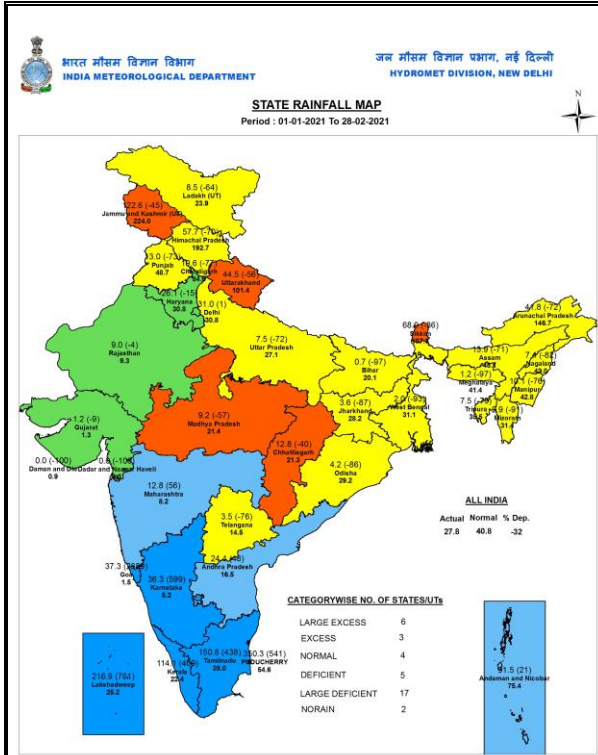


Figure 107: Winter Rainfall Map

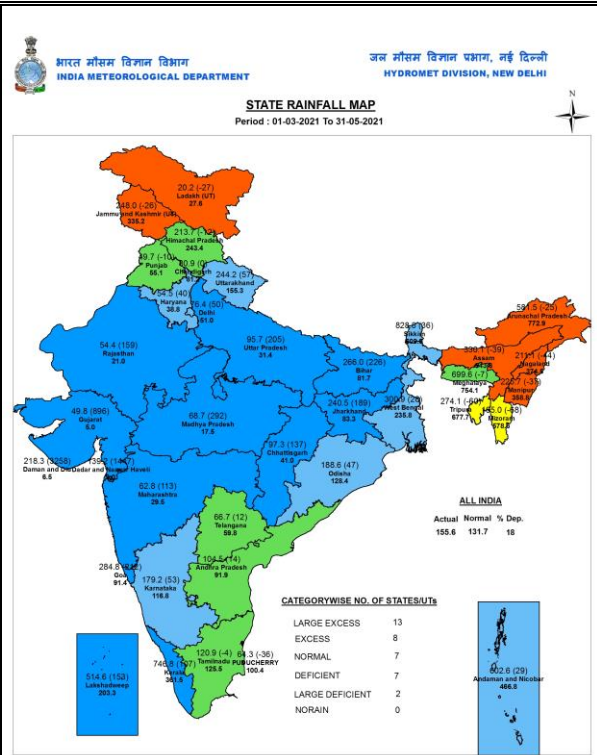


Figure 108: Pre-Monsoon Rainfall Map

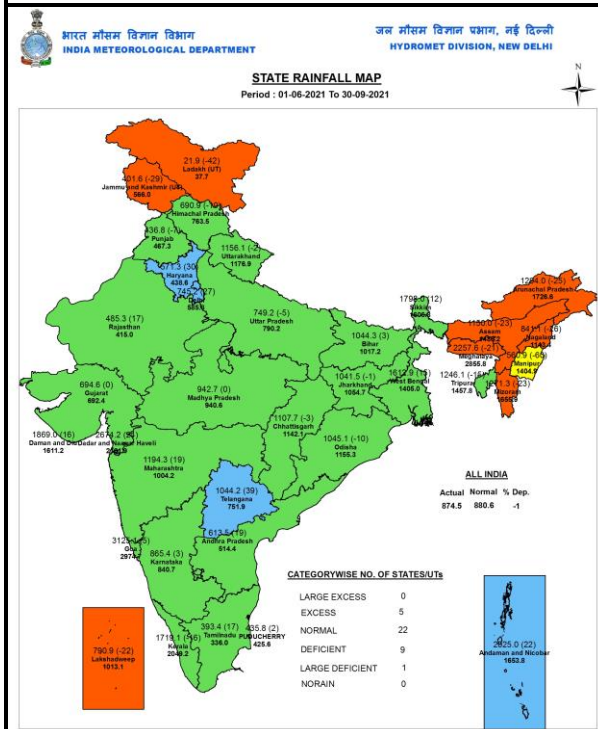


Figure 109: SW Monsoon Rainfall Map

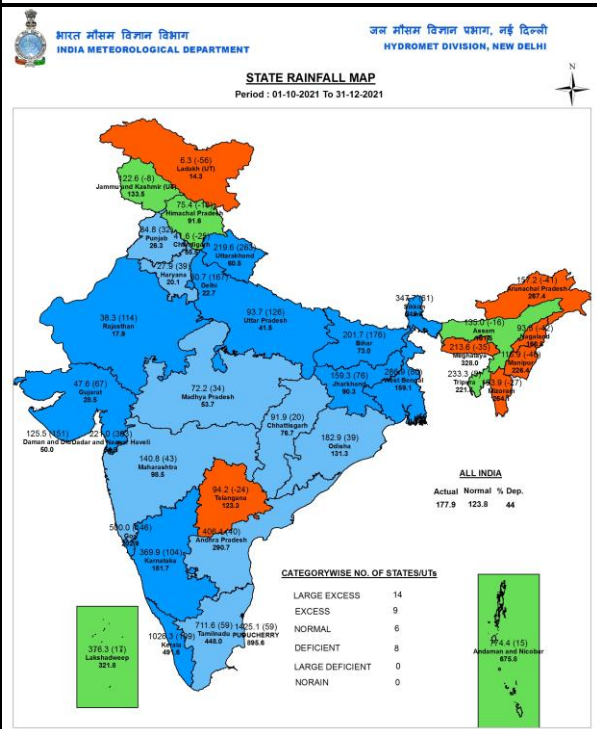


Figure 110: Post-Monsoon Rainfall Map

■ Large Excess [60% or more] ■ Excess [20% to 59%] ■ Normal [-19% to 19%] ■ Deficient [-59% to -20%] ■ Large Deficient [-99% to -60%] ■ No Rain [-100%] ■ No Data

NOTES :

- a) Rainfall figures are based on operation data.
- b) Small figures indicate actual rainfall (mm), while bold figures indicate Normal rainfall (mm).
- c) Percentage Departures of rainfall are shown in brackets.

6. DISTRICT-WISE RAINFALL STATISTICS

6.1 SEASONAL & ANNUAL

The rainfall statistics for 695 districts of India was prepared during the year 2021. The district-wise observed seasonal and annual rainfall for the districts whose data are received throughout the year is given in Table 22. Also, the percent departures of observed rainfall from their Normal have been given in Table 23. It may be seen that the rainfall for some of the districts are not available, which is due to non-availability of data either by sudden developments of faults in the instruments or by remote/difficult locations of the stations in the districts. Annually, the District of East Khasi Hills in Meghalaya received the highest rainfall of 5160 mm whereas the District Ladakh in Leh (UT) received the lowest rainfall of 41.7 mm, which resembles with the normal pattern of rainfall in India.

Table 22: District-wise seasonal and annual Rainfall (mm) - Year 2021

MET. SUBDIVISION/ UT/ STATE/DISTRICT (NAME)	Winter	Pre- Monsoon	SW- Monsoon	Post- Monsoon	Annual
A & N ISLAND	91.5	602.6	2025.0	774.4	3493.4
NICOBAR	146.0	560.0	1516.9	645.8	2868.7
NORTH & MIDDLE ANDAMAN	25.5	556.2	2534.0	941.3	4056.9
SOUTH ANDAMAN	129.8	679.6	1783.5	671.7	3264.5
ARUNACHAL PRADESH	41.8	581.5	1294.0	157.2	2083.8
ANJAW	32.8	554.8	452.4	50.8	1090.8
CHANGLANG	9.2	311.4	877.8	90.0	1288.4
DIBANG VALLEY	76.0	964.9	800.0	187.8	2028.7
EAST KAMENG	1.0	389.4	1726.6	142.6	2259.6
EAST SIANG	27.0	637.6	2540.7	342.4	3547.7
KURUNG KUMEY	57.3	724.0	829.8	132.8	1743.9
LOHIT	9.0	352.3	833.9	95.5	1290.7
LOWER DIBANG VALLEY	41.9	565.5	2464.9	226.3	3298.6
LOWER SUBANSIRI	46.8	381.4	475.3	42.6	946.1
PAPUMPARA	34.4	683.3	1953.8	95.7	2767.1
TAWANG	41.2	439.9	966.5	160.8	1608.4
TIRAP	60.2		1016.8		
UPPER SIANG	48.0	1108.0	1802.4	210.7	3169.0
UPPER SUBANSIRI	48.4	391.0	634.1	115.4	1188.9
WEST KAMENG	28.9	275.9	1233.7	152.3	1690.8
WEST SIANG	61.3	508.9	1334.7	126.3	2031.2
ASSAM & MEGHALAYA	11.2	414.0	1385.8	151.7	1974.5
ASSAM	13.9	330.1	1150.0	135.0	1622.5
BAKSA	42.6	384.3	1338.5	37.6	1802.9
BARPETA	66.6	393.9	1964.2	202.4	2627.1
BONGAIGAON	7.2	264.6	1361.4	301.6	1934.8
CACHAR	7.6	618.1	1711.3	231.0	2568.0
CHIRANG	18.8	387.6	2257.6	262.4	2926.4

DISTRICT-WISE RAINFALL STATISTICS

MET. SUBDIVISION/ UT/ STATE/DISTRICT (NAME)	Winter	Pre- Monsoon	SW- Monsoon	Post- Monsoon	Annual
DARRANG	2.0		841.9	52.7	
DHEMAJI	17.8	413.9	1588.3	143.0	2163.0
DHUBRI	0.2	371.3	1194.7	275.1	1841.3
DIBRUGARH	16.8	401.9	1103.8	96.6	1619.1
GOALPARA	0.0	369.9	1415.8	206.6	1992.2
GOLAGHAT	25.7	259.7	925.1	109.1	1319.6
HAILAKANDI	12.6		1279.2	265.1	
JORHAT	5.7	351.2	982.4	131.0	1470.3
KAMRUP (RURAL)	3.0	251.7	844.7	22.0	1121.4
KAMRUP METRO.	6.1	278.0	709.1	86.3	1079.4
KARBI ANGLONG	2.3	175.4	703.2	105.3	986.2
KARIMGANJ	5.6		1840.1	309.2	
KOKRAJHAR	16.9	390.6	2331.1	325.6	3064.1
LAKHIMPUR	28.6	421.3	1843.7	115.9	2409.4
MORIGAON	7.2	219.7	769.3	127.2	1123.4
N. C. HILLS	0.0	491.9	652.3	203.7	1347.9
NAGAON	4.0	132.8	538.6	49.7	725.1
NALBARI	37.5	345.6	1488.4	31.6	1903.1
SHONITPUR	26.4	222.9	1084.4	69.1	1402.7
SIBSAGAR	8.8	335.8	1104.5	69.3	1518.3
TINSUKIA	16.1	446.3	1051.4	71.4	1585.2
UDALGURI	16.3	313.1	1004.7	59.4	1393.5
MEGHALAYA	1.2	699.6	2257.6	213.6	3171.9
EAST GARO HILLS	0.0	1410.9	2706.0	214.2	4331.1
EAST KHASI HILLS	6.5	741.1	4209.4	203.8	5160.8
JAINTIA HILLS	0.0	933.1	2484.1	278.2	3695.3
RI-BHOI	0.0	353.5	1217.2	205.9	1776.6
SOUTH GARO HILLS	4.4	461.4	2368.4	83.6	2917.8
WEST GARO HILLS	0.0	441.3	1271.5	204.2	1916.9
WEST KHASI HILLS	0.0	578.6	1977.0	227.6	2783.2
NMMT	6.7	216.7	964.0	152.9	1340.2
NAGALAND	7.4	211.1	841.1	93.5	1153.1
DIMAPUR	3.5	146.1	597.2	60.3	807.0
KEPHIRE	4.5	99.1	579.1	126.0	808.7
KOHIMA	1.0	190.3	750.0	110.2	1051.6
LONGLENG	13.1	314.2	958.2	105.7	1391.2
MOKOKCHUNG	18.1	329.4	1247.3	103.4	1698.2
MON	13.0	359.8	813.5	90.1	1276.4
PAREN	0.3	199.2	778.7	124.7	1102.9
PHEK	6.5	151.6	543.4	66.2	767.8
TUENSANG	8.5	202.6	852.2	77.7	1140.9
WOKHA	9.6	209.0	1167.7	111.1	1497.4
ZUNHEBOTO	2.1	186.6	1045.0	110.4	1344.0
MANIPUR	10.1	225.7	560.9	116.9	913.6
BISHNUPUR	2.1	180.4	467.8	89.3	739.6
CHANDEL	1.8	135.1	490.8	59.9	687.6
CHURACHANDPUR	15.9	134.4	366.2	84.1	600.6
IMPHAL EAST	5.8	212.8	560.7	99.1	878.4

DISTRICT-WISE RAINFALL STATISTICS

MET. SUBDIVISION/ UT/ STATE/DISTRICT (NAME)	Winter	Pre- Monsoon	SW- Monsoon	Post- Monsoon	Annual
IMPHAL WEST	13.4	517.0	1536.8	172.8	2240.0
SENAPATI	10.2	278.1	516.1	148.2	952.6
TAMENGLONG	17.0	609.7	1681.2	164.9	2472.8
THOUBAL	3.3	181.4	575.3	96.2	856.2
UKHRUL	12.2	324.8	737.3	170.6	1244.9
MIZORAM	2.9	185.0	1271.3	193.9	1653.1
AIZWAL	5.8	225.7	1233.9	269.9	1735.3
CHAMPHAI	2.4	86.8	963.5	159.4	1212.1
KOLASIB	5.4	297.2	1679.6	219.4	2201.6
LAWNGTLAI	0.5	166.2	1505.9	167.4	1840.0
LUNGLEI	1.8	167.7	1070.1	164.9	1404.5
MAMIT	2.5	229.8	1354.0	174.0	1760.2
SAIHA	3.6	193.0	1916.0	234.0	2346.6
SERCHHIP	2.9	179.4	1071.7	196.0	1450.0
TRIPURA	7.5	274.1	1246.1	233.3	1761.1
DHALAI	21.0	287.0	1029.4	183.2	1520.6
NORTH TRIPURA	5.0	363.4	1204.9	187.5	1760.8
SOUTH TRIPURA	1.1	174.1	1548.2	257.5	1980.9
WEST TRIPURA	3.2	250.9	1250.6	301.4	1806.0
SHWB & SIKKIM	21.3	467.3	1817.5	310.6	2616.7
SIKKIM	68.9	828.8	1798.0	347.7	3043.3
EAST SIKKIM	37.9	604.9	1797.1	355.2	2795.1
NORTH SIKKIM	96.4	1088.0	1941.0	362.2	3487.5
SOUTH SIKKIM	16.9	367.9	1339.8	235.2	1959.8
WEST SIKKIM	28.0	368.9	1575.1	361.5	2333.5
WEST BENGAL	2.0	300.9	1612.9	286.9	2202.7
COOCH BEHAR	0.0	379.8	2218.1	381.8	2979.7
DARJEELING	14.8	396.3	2539.9	422.9	3373.9
JALPAIGURI	13.0	376.1	2642.8	294.2	3326.0
MALDA	0.0	393.2	782.1	169.1	1344.4
NORTH DINAJPUR	0.0	242.7	941.4	282.1	1466.2
SOUTH DINAJPUR	0.0	244.8	909.2	248.0	1401.9
GANGETIC WEST BENGAL	0.8	284.9	1543.9	283.1	2112.7
BANKURA	2.0	317.3	1538.9	287.9	2146.0
BIRBHUM	0.0	243.7	1071.0	207.5	1522.2
BURDWAN	0.4	218.7	1420.8	254.8	1894.6
EAST MIDNAPORE	0.0	339.2	1944.8	375.6	2659.6
HOOGLHY	1.1	295.9	1241.3	317.0	1855.2
HOWRAH	0.6	258.2	1719.7	265.0	2243.5
KOLKATA	1.5	436.1	1769.8	244.1	2451.5
MURSHIDABAD	0.0	257.4	989.2	86.9	1333.4
NADIA	0.2	297.5	945.6	246.1	1489.5
NORTH 24 PARGANAS	1.2	355.2	1791.8	351.8	2500.0
PURULIA	1.7	336.9	1344.9	256.9	1940.3

DISTRICT-WISE RAINFALL STATISTICS

MET. SUBDIVISION/ UT/ STATE/DISTRICT (NAME)	Winter	Pre- Monsoon	SW- Monsoon	Post- Monsoon	Annual
SOUTH 24 PARGANAS	0.1	229.2	2111.9	360.3	2701.3
WEST MIDNAPORE	1.7	306.7	1734.0	318.3	2360.7
ODISHA	4.2	188.6	1045.1	182.9	1420.8
ANGUL	0.5	159.8	972.2	122.9	1255.5
BALASORE	0.0	349.2	1228.3	271.6	1849.1
BARGARH	4.6	62.9	1013.2	136.9	1217.6
BHADRAK	0.6	520.9	849.6	202.3	1573.3
BOLANGIR	1.8	59.8	884.1	82.8	1028.5
BOUDHGARH	0.0	94.5	1056.1	116.6	1267.2
CUTTACK	0.0	218.0	1362.2	214.6	1794.8
DEOGARH	11.1	338.5	1056.7	194.3	1600.6
DHENKANAL	0.1	211.2	1195.2	150.8	1557.3
GAJAPATI	11.1	182.6	882.8	343.7	1420.2
GANJAM	1.9	102.7	876.7	457.5	1438.7
JAGATSINGHPUR	0.0	379.1	1429.9	436.5	2245.5
JAJPUR	0.0	410.1	1079.0	200.5	1689.6
JHARSUGUDA	18.9	173.0	818.8	116.1	1126.8
KALAHANDI	4.1	75.7	900.4	63.7	1043.9
KANDHAMAL	4.4	127.6	1003.1	165.0	1300.0
KENDRAPARA	0.0	445.2	1200.0	364.5	2009.7
KEONJHARGARH	4.9	374.6	936.2	178.3	1493.9
KHURDA	0.0	149.9	1198.7	241.8	1590.4
KORAPUT	7.7	153.8	1213.4	142.0	1517.0
MALKANGIRI	5.3	154.2	1241.6	165.9	1567.1
MAYURBHANJ	0.6	337.3	1199.4	221.2	1758.5
NAWAPARA	2.9	67.5	987.2	34.3	1091.8
NAWARANGPUR	3.3	115.7	977.4	75.4	1171.8
NAYAGARH	0.0	127.8	1202.7	249.1	1579.6
PURI	0.0	182.8	1238.1	264.9	1685.8
RAYAGADA	3.8	46.1	875.9	144.2	1070.1
SAMBALPUR	11.1	143.8	921.4	139.1	1215.5
SONEPUR	4.0	66.8	1125.3	95.2	1291.4
SUNDARGARH	13.9	252.3	1011.3	186.0	1463.6
JHARKHAND	3.6	240.5	1041.5	159.3	1444.8
BOKARO	1.1	178.9	1032.8	207.0	1419.8
CHATRA	0.0	173.2	712.9	66.3	952.4
DEOGHAR	0.0	131.5	1036.8	208.2	1376.5
DHANBAD	0.0	185.7	1356.4	202.9	1745.1
DUMKA	0.0	150.4	1068.6	173.4	1392.4
EAST SINGBHUM	6.4	446.9	1292.6	210.9	1956.9
GARHWA	3.4	113.0	777.0	65.7	959.1
GIRIDIH	0.0	141.9	996.1	197.9	1335.8
GODDA	0.0	170.0	719.7	149.3	1038.9
GUMLA	10.0	159.0	771.5	105.1	1045.6
HAZARIBAG	0.2	359.6	1223.1	166.9	1749.7
JAMTARA	0.0	164.3	1532.7	182.3	1879.3
KHUNTI	6.9	319.9	1046.6	133.3	1506.6
KODERMA	0.5	253.8	998.0	190.3	1442.6
LATEHAR	0.0	162.5	1178.3	68.8	1409.6
LOHARDAGA	10.6	314.0	1440.2	67.2	1832.0
PAKUR	0.0	166.0	809.9	76.8	1052.6

DISTRICT-WISE RAINFALL STATISTICS

MET. SUBDIVISION/ UT/ STATE/DISTRICT (NAME)	Winter	Pre- Monsoon	SW- Monsoon	Post- Monsoon	Annual
PALAMU	4.2	175.5	853.4	86.3	1119.5
RAMGARH	1.6	408.2	1176.9	180.2	1766.9
RANCHI	7.8	293.8	1213.9	125.3	1640.7
SAHIBGANJ	0.0	503.8	1275.7	169.0	1948.5
SERAIKELA-KHARSAWAN	4.3	349.2	978.1	165.9	1497.4
SIMDEGA	17.2	196.1	1046.5	182.6	1442.5
WEST SINGBHUM	1.8	304.7	999.2	291.4	1597.1
BIHAR	0.7	266.0	1044.3	201.7	1512.7
ARARIA	0.0	341.4	1142.2	226.8	1710.4
ARWAL	2.9	178.2	656.4	64.1	901.6
AURANGABAD	1.6	134.0	822.8	137.4	1096.0
BANKA	0.0	176.2	788.8	141.0	1106.0
BEGUSARAI	0.0	254.4	770.8	231.5	1256.8
BHABUA	6.8	155.7	1018.9	125.4	1306.9
BHAGALPUR	0.0	270.8	935.4	235.9	1442.0
BHOJPUR	1.1	170.8	757.9	131.2	1061.0
BUXAR	0.0	194.9	808.8	195.5	1199.2
DARBHANGA	0.0	288.3	1244.5	249.8	1782.5
EAST CHAMPARAN	0.0	286.5	1127.8	225.1	1639.4
GAYA	1.8	226.0	1075.7	127.7	1431.1
GOPALGANJ	0.2	234.8	1010.6	298.4	1544.0
JAHANABAD	2.5	236.0	775.0	142.7	1156.2
JAMUI	0.5	246.1	717.8	179.9	1144.3
KATIHAR	0.4	404.3	962.4	222.1	1589.1
KHAGARIA	0.0	215.6	958.4	249.1	1423.0
KISHANGANJ	0.0	408.8	1601.4	330.5	2340.7
LAKHISARAI	0.0	272.2	581.1	170.8	1024.1
MADHEPURA	0.0	355.2	1011.8	229.0	1596.0
MADHUBANI	0.0	342.5	1161.7	224.1	1728.3
MONGHYR	0.2	237.8	802.1	182.2	1222.3
MUZAFFARPUR	0.1	313.6	1239.3	272.8	1825.8
NALANDA	1.4	308.8	807.6	147.8	1265.6
NAWADA	1.6	194.3	871.0	233.2	1300.0
PATNA	1.0	192.5	783.3	122.8	1099.6
PURNEA	0.1	381.0	828.5	204.2	1413.8
ROHTAS	1.4	161.3	865.6	128.4	1156.7
SAHARSA	0.0	252.0	900.9	223.4	1376.2
SAMASTIPUR	0.0	234.8	1105.4	305.8	1646.0
SARAN	0.0	248.3	1029.9	179.0	1457.2
SHEIKHPURA	0.0	217.9	721.2	296.6	1235.7
SHEOHAR	0.0	208.6	857.4	146.4	1212.4
SITAMARHI	0.0	307.4	1111.5	134.8	1553.8
SIWAN	0.0	262.0	1131.2	261.0	1654.2
SUPAUL	0.0	310.7	1432.0	318.7	2061.4
VAISHALI	0.0	299.5	1285.0	265.9	1850.4
WEST CHAMPARAN	0.0	392.7	2023.7	205.2	2621.6
UTTAR PRADESH	7.5	95.7	749.2	93.7	946.1
EAST UTTAR PRADESH	1.7	115.0	867.8	93.6	1078.1
AMBEDKAR NAGAR	0.0	185.6	1143.4	52.1	1381.1
AMETHI	0.9	91.3	680.6	56.5	829.3

DISTRICT-WISE RAINFALL STATISTICS

MET. SUBDIVISION/ UT/ STATE/DISTRICT (NAME)	Winter	Pre- Monsoon	SW- Monsoon	Post- Monsoon	Annual
AYODHYA	0.0	133.5	939.0	94.4	1166.9
AZAMGARH	0.0	45.9	819.3	188.9	1054.1
BAHRAICH	1.8	166.2	1101.3	96.4	1365.7
BALLIA	1.3	145.1	790.7	198.0	1135.1
BALRAMPUR	4.6	258.2	1128.0	95.7	1486.4
BANDA	3.9	31.6	761.3	31.0	827.8
BARABANKI	1.6	118.1	1103.7	110.7	1334.1
BASTI	1.2	170.7	1002.2	65.2	1239.3
CHANDAULI	0.0	88.1	347.2	101.5	536.8
CHITRAKOOT	0.0	102.0	1461.6	0.0	1563.6
DEORIA	3.0	208.3	1047.3	168.0	1426.6
FARRUKHABAD	0.3	33.8	391.4	150.5	576.0
FATEHPUR	1.0	39.6	719.7	85.3	845.6
GHAZIPUR	0.0	81.6	713.4	222.1	1017.1
GONDA	2.2	162.1	1061.1	85.9	1311.2
GORAKHPUR	1.3	306.8	1236.8	152.4	1697.3
HARDOI	1.7	35.1	353.8	61.6	452.1
JAUNPUR	0.0	45.8	341.6	27.8	415.2
KANNAUJ	3.4	31.6	724.8	184.3	944.2
KANPUR CITY	3.7	21.8	531.4	67.0	623.9
KANPUR DEHAT	1.4	15.5	335.9	38.6	391.4
KAUSHAMBI	0.0	59.1	531.7	15.1	605.9
KHERI	3.2	140.8	1336.6	212.4	1692.9
KUSHI NAGAR	0.0	137.8	936.8	157.0	1231.5
LUCKNOW	12.1	92.6	720.4	95.0	920.0
MAHARAJGANJ	0.0	423.3	1329.9	116.0	1869.1
MAU	0.0	88.5	645.0	61.5	795.0
MIRZAPUR	0.2	95.6	751.3	29.8	876.9
PRATAPGARH	0.0	90.0	1284.0	102.2	1476.2
PRAYAGRAJ	0.5	108.5	1085.3	17.1	1211.5
RAE BAREILLY	1.1	34.4	422.4	26.9	484.8
SANT KABIR NAGAR	1.5	207.2	1185.2	99.0	1492.9
SANT RAVIDAS NAGAR	0.0	67.0	807.4	34.0	908.4
SHRAWASTI NAGAR	1.3	269.8	1124.6	100.9	1496.7
SIDDHARTH NAGAR	0.4	367.4	1070.3	75.5	1513.6
SITAPUR	1.5	42.2	853.2	150.6	1047.5
SONBHADRA	4.0	102.8	936.0	41.0	1083.7
SULTANPUR	2.3	144.9	915.2	95.0	1157.3
UNNAO	3.3	47.5	506.1	63.0	619.8
VARANASI	0.6	147.2	915.6	89.3	1152.6
WEST UTTAR PRADESH	16.2	67.0	573.7	93.9	750.7
AGRA	4.3	66.1	406.8	63.6	540.8
ALIGARH	43.9	65.9	485.7	83.3	678.8
AURAIYA	6.0	18.5	472.7	24.5	521.7
BADAUN	16.3	90.3	467.9	73.6	647.9
BAGHPAT	16.9	80.3	688.3	43.3	828.9
BAREILLY	17.4	117.2	783.6	293.9	1212.1
BIJNOR	29.1	102.3	902.6	153.6	1187.6
BULANDSHAHAR	27.1	45.6	381.5	110.5	564.7
ETAH	2.7	74.1	684.6	57.7	819.0
ETAWAH	1.7	39.5	492.2	31.5	564.8
FIROZABAD	2.3	66.1	545.9	67.4	681.7
GAUTAM BUDDHA NAGAR	6.0	39.0	236.0	38.0	319.0

DISTRICT-WISE RAINFALL STATISTICS

MET. SUBDIVISION/ UT/ STATE/DISTRICT (NAME)	Winter	Pre- Monsoon	SW- Monsoon	Post- Monsoon	Annual
GHAZIABAD	15.2	44.2	322.2	32.0	413.5
HAMIRPUR	2.7	26.5	855.1	122.7	1006.9
HAPUR	21.6	69.0	415.3	64.5	570.4
JALAUN	0.5	48.3	624.2	106.6	779.5
JHANSI	2.2	40.9	602.9	53.9	699.9
JYOTIBA PHULE NAGAR	29.6	57.7	398.0	121.3	606.6
KANSHIRAM NAGAR	7.1	50.9	545.6	80.2	683.8
LALITPUR	0.7	26.0	689.8	44.3	760.8
MAHAMAYA NAGAR	24.9	111.1	725.2	92.9	954.0
MAHOBA	3.0	19.5	445.5	42.4	510.5
MAINPURI	3.1	75.8	531.7	38.3	648.9
MATHURA	24.5	59.2	412.4	34.8	530.8
MEERUT	32.5	83.3	606.8	96.9	819.5
MORADABAD	43.5	112.1	762.2	157.4	1075.2
MUZAFFARNAGAR	35.7	90.4	785.4	96.5	1008.0
PILIBHIT	7.5	44.1	393.9	122.2	567.6
RAMPUR	26.9	78.9	425.5	165.0	696.3
SAHARANPUR	23.6	48.0	694.4	41.2	807.2
SAMBHAL	31.5	101.5	693.8	172.2	998.9
SHAHJAHANPUR	1.8	102.4	565.5	145.8	815.5
SHAMLI	15.0	30.8	304.0	35.5	385.3
UTTARAKHAND	44.5	244.2	1156.1	219.6	1664.5
ALMORA	44.1	215.8	815.2	269.0	1344.0
BAGESHWAR	39.6	311.9	2234.2	309.6	2895.3
CHAMOLI	49.9	269.3	1293.1	213.2	1825.5
CHAMPAWAT	21.1	239.4	908.4	418.8	1587.7
DEHRADUN	58.1	201.3	1362.4	79.6	1701.4
GARHWAL PAURI	29.7	140.7	806.9	131.0	1108.3
GARHWAL TEHRI	39.7	197.3	948.4	102.4	1287.7
HARDWAR	29.5	86.4	752.2	50.1	918.2
NAINITAL	47.3	267.7	1254.0	415.2	1984.2
PITHORAGARH	38.9	284.0	1447.0	339.9	2109.7
RUDRAPRAYAG	50.1	309.2	1243.6	147.4	1750.2
UDHAM SINGH NAGAR	20.8	199.8	937.9	357.1	1515.6
UTTARKASHI	68.3	317.6	1017.4	105.7	1509.0
HAR. CHD & DELHI	26.2	55.2	576.7	28.9	686.7
HARYANA	26.1	54.5	571.3	27.9	679.8
AMBALA	34.5	57.6	596.5	34.7	723.2
BHIWANI	22.8	29.6	340.0	16.5	408.9
CHARKHI DADRI	30.0	52.0	521.0	24.5	627.5
FARIDABAD	26.7	105.3	569.7	60.0	761.7
FATEHABAD	7.5	15.9	522.7	15.4	561.4
GURGAON	26.6	135.7	738.9	32.4	933.6
HISAR	11.3	20.2	555.2	19.6	606.3
JHAJJAR	37.1	116.2	759.7	41.4	954.5
JIND	24.9	37.4	564.4	3.4	630.1
KAITHAL	31.5	35.2	623.6	19.2	709.5
KARNAL	44.1	28.3	675.1	34.4	781.9
KURUKSHETRA	36.8	70.2	630.9	25.1	762.9
MAHENDRAGARH	35.3	75.8	582.3	24.9	718.4

DISTRICT-WISE RAINFALL STATISTICS

MET. SUBDIVISION/ UT/ STATE/DISTRICT (NAME)	Winter	Pre- Monsoon	SW- Monsoon	Post- Monsoon	Annual
NUH	12.6	92.5	574.2	60.2	739.5
PALWAL	30.5	51.0	477.9	52.5	611.9
PANCHKULA	26.6	38.3	519.7	40.9	625.3
PANIPAT	59.5	32.3	718.4	16.8	826.9
REWARI	23.4	88.9	628.5	30.0	770.8
ROHTAK	33.7	63.4	559.1	13.9	670.1
SIRSA	7.0	21.8	269.1	12.0	309.9
SONEPAT	48.0	81.5	962.5	23.1	1115.1
YAMUNA NAGAR	25.8	70.9	773.7	59.9	930.3
CHANDIGARH (UT)	19.6	80.9	600.2	41.6	742.4
DELHI	31.0	76.4	745.2	60.7	904.4
CENTRAL DELHI		0.0	1273.3	123.9	
EAST DELHI	32.0	83.7	723.6	114.2	953.5
NEW DELHI	48.2	114.5	921.2	103.2	1187.1
NORTH DELHI	45.8	145.6	1183.3	76.7	1451.5
NORTH EAST DELHI	37.9	38.5	501.5	55.6	633.5
NORTH WEST DELHI	16.8	17.0	728.5	47.0	809.2
SOUTH DELHI	32.5	150.5	671.2	84.8	938.9
SOUTH WEST DELHI	40.3	72.8	808.7	51.7	973.5
WEST DELHI	30.5	134.0	509.2	34.9	708.6
PUNJAB	13.0	49.7	436.8	34.8	534.4
AMRITSAR	21.1	49.5	416.1	31.8	518.5
BARNALA	6.0	44.3	236.0	27.6	313.8
BHATINDA	5.6	44.7	387.3	54.7	492.2
FARIDKOT	1.0	23.2	477.0	9.4	510.6
FATEHGARH SAHIB	9.5	34.4	447.1	38.2	529.2
FAZILKA	9.0	15.8	142.1	12.9	179.8
FEROZEPUR	8.0	30.7	376.1	23.9	438.7
GURDASPUR	27.2	73.4	516.1	57.7	674.4
HOSHIARPUR	17.5	54.2	563.7	34.8	670.2
JALANDHAR	16.8	46.0	706.9	45.1	814.9
KAPURTHALA	25.5	61.5	954.8	66.5	1108.2
LUDHIANA	10.1	55.6	609.1	49.9	724.7
MANSA	2.2	27.4	160.4	21.8	211.8
MOGA	7.1	38.0	331.6	10.2	386.8
MUKTSAR	8.5	39.7	360.5	19.8	428.6
PATHANKOT	50.0	123.6	1043.5	56.1	1273.1
PATIALA	9.9	59.7	558.7	47.9	676.1
RUPNAGAR	15.3	65.3	604.2	67.5	752.3
SANGRUR	6.5	50.9	254.4	22.8	334.6
SAS NAGAR (MOHALI)	20.9	64.3	385.7	25.7	496.6
SBS NAGAR	21.4	65.9	664.9	35.5	787.7
TARN TARAN	22.0	73.4	289.5	16.6	401.5
HIMACHAL PRADESH	57.7	213.7	690.9	75.4	1037.6
BILASPUR	21.4	105.4	881.2	59.9	1067.9
CHAMBA	90.7	271.2	594.0	84.9	1040.9
HAMIRPUR	31.0	108.2	993.1	43.3	1175.5
KANGRA	55.0	183.1	1467.7	81.8	1787.7

DISTRICT-WISE RAINFALL STATISTICS

MET. SUBDIVISION/ UT/ STATE/DISTRICT (NAME)	Winter	Pre- Monsoon	SW- Monsoon	Post- Monsoon	Annual
KINNAUR	58.2	236.1	236.4	95.8	626.4
KULLU	68.1	349.0	707.7	113.8	1238.5
LAHAUL & SPITI	72.8	234.6	140.4	84.1	531.9
MANDI	33.1	265.8	1174.7	42.2	1515.8
SHIMLA	79.1	264.4	699.2	60.9	1103.6
SIRMAUR	52.9	143.7	1161.8	55.6	1414.0
SOLAN	62.2	165.9	874.5	66.1	1168.6
UNA	24.3	103.7	709.4	68.4	905.8
J & K AND LADAKH	122.6	248.0	401.6	122.6	894.7
JAMMU & KASHMIR(UT)	122.6	248.0	401.6	122.6	894.7
ANANTNAG	128.6	246.5	243.6	158.5	777.2
BADGAM	121.3	233.5	117.8	125.0	597.5
BANDIPORE	62.7	228.0	117.5	100.5	508.7
BARAMULA	138.1	502.8	194.7	154.0	989.5
DODA	136.0	312.8	290.9	114.7	854.3
GANDERBAL	124.4	524.2	330.0	118.1	1096.7
JAMMU	70.9	82.8	668.0	96.1	917.7
KATHUA	37.2	92.2	848.7	42.1	1020.2
KISTWAR	87.5	65.0	150.6	101.0	404.1
KULGAM	158.2	411.4	261.2	197.3	1028.0
KUPWARA	169.5	410.7	177.0	79.8	837.0
POONCH	234.0	497.0	560.0	149.0	1440.0
PULWAMA	92.6	207.6	129.2	121.5	550.9
RAJOURI	137.4	195.3	414.4	111.8	858.9
RAMBAN	193.7	392.5	300.2	157.5	1044.0
REASI	125.5	219.9	1295.6	160.1	1801.1
SAMBA	2.0	3.0	788.0	62.0	855.0
SHOPIAN	57.0	131.0	72.5	95.5	356.0
SRINAGAR	174.5	374.2	254.0	140.1	942.8
UDHAMPUR	187.3	186.4	1183.1	197.8	1754.6
LADAKH (UT)	8.5	20.2	21.9	6.3	57.0
KARGIL	27.6	36.4	31.0	11.0	106.0
LADAKH (LEH)	2.6	15.1	19.1	4.9	41.7
RAJASTHAN	9.0	54.4	485.3	38.3	587.0
EAST RAJASTHAN	15.7	73.5	696.6	67.8	853.6
AJMER	12.5	96.4	458.1	20.0	587.0
ALWAR	18.9	74.1	631.6	23.6	748.3
BANSWARA	0.9	38.2	806.4	26.5	872.0
BARAN	11.9	38.1	1131.6	135.6	1317.2
BHARATPUR	27.3	91.4	596.3	42.1	757.1
BHILWARA	6.9	73.2	615.4	73.0	768.5
BUNDI	38.2	29.3	975.5	72.2	1115.2
CHITTORGARH	9.9	80.4	752.3	175.4	1017.9
DAUSA	34.4	92.0	701.0	9.0	836.4
DHOLPUR	11.5	121.8	621.3	43.0	797.7
DUNGARPUR	2.3	128.3	558.6	30.0	719.3
JAIPUR	13.3	97.7	565.8	38.2	715.0

DISTRICT-WISE RAINFALL STATISTICS

MET. SUBDIVISION/ UT/ STATE/DISTRICT (NAME)	Winter	Pre- Monsoon	SW- Monsoon	Post- Monsoon	Annual
JHALAWAR	0.0	15.8	1130.3	27.7	1173.8
JHUNJHUNU	34.2	59.5	459.6	13.0	566.3
KARALI	35.2	56.2	692.0	85.3	868.7
KOTA	42.1	47.0	1080.9	136.9	1307.0
PRATAPGARH	12.0	60.8	1162.6	87.0	1322.4
RAJSAMAND	6.6	84.7	517.9	63.1	672.3
SAWAI MADHOPUR	37.8	50.4	906.2	62.5	1056.9
SIKAR	27.1	83.6	582.6	19.4	712.7
SIROHI	0.0	42.5	563.2	57.3	663.1
TONK	12.1	64.8	664.5	38.9	780.3
UDAIPUR	1.1	106.5	525.5	146.6	779.7
WEST RAJASTHAN	3.6	39.3	317.5	14.8	375.2
BARMER	0.0	12.3	242.7	0.1	255.1
BIKANER	0.7	29.2	282.3	16.2	328.4
CHURU	16.6	41.9	521.5	1.8	581.8
HANUMANGARH	4.9	28.6	293.5	46.1	373.1
JAISALMER	0.0	37.8	273.5	5.4	316.7
JALORE	0.0	35.9	339.9	15.3	391.0
JODHPUR	1.7	52.2	294.3	21.4	369.6
NAGOUR	14.4	83.9	485.9	17.7	601.9
PALI	5.9	56.7	396.7	28.0	487.3
SRI GANGANAGAR	3.9	30.7	143.3	46.1	223.9
MADHYA PRADESH	9.2	68.7	942.7	72.2	1092.7
EAST MADHYA PRADESH	12.6	96.9	891.8	44.7	1046.0
ANUPPUR	42.3	91.9	1146.3	48.5	1329.1
BALAGHAT	26.0	51.0	985.5	58.9	1121.3
CHHATARPUR	6.4	67.7	719.4	48.0	841.5
CHHINDWARA	13.4	75.1	938.7	79.1	1106.3
DAMOH	13.8	108.1	644.8	16.7	783.3
DINDORI	24.3	104.3	1088.4	59.0	1275.9
JABALPUR	12.2	74.1	718.9	40.9	846.3
KATNI	2.9	93.1	708.2	24.0	828.2
MANDLA	24.3	87.5	1015.7	62.0	1189.5
NARSINGHPUR	2.0	30.4	882.4	28.2	943.0
NIWARI	5.0	66.7	1027.0	124.7	1223.3
PANNA	4.8	118.8	730.5	20.1	874.2
REWA	0.6	120.3	1009.7	30.3	1160.8
SAGAR	9.2	123.4	896.1	37.2	1065.9
SATNA	1.7	94.1	800.2	40.8	936.8
SEONI	26.4	119.1	784.1	61.2	990.7
SHAHDOL	12.6	111.2	971.7	44.0	1139.5
SIDHI	1.4	139.7	992.2	12.8	1146.0
SINGRAULI	3.6	152.9	1255.9	28.0	1440.5
TIKAMGARH	9.0	45.5	767.8	41.5	863.8
UMARIA	14.2	159.9	908.9	47.9	1130.9
WEST MADHYA PRADESH	6.5	46.9	981.8	93.2	1128.5
AGAR-MALWA	3.1	50.1	1224.2	73.9	1351.3
ALIRAJPUR	8.3	21.4	961.3	101.4	1092.4

DISTRICT-WISE RAINFALL STATISTICS

MET. SUBDIVISION/ UT/ STATE/DISTRICT (NAME)	Winter	Pre- Monsoon	SW- Monsoon	Post- Monsoon	Annual
ASHOKNAGAR	2.3	75.5	1182.3	44.0	1304.0
BARWANI	8.0	16.0	644.1	87.0	755.0
BETUL	13.9	62.1	1014.4	100.7	1191.1
BHIND	4.7	74.2	834.1	102.1	1015.1
BHOPAL	4.4	87.8	979.8	75.1	1147.1
BURHANPUR	1.0	12.6	777.4	144.2	935.1
DATIA	2.5	50.5	707.2	136.1	896.4
DEWAS	4.4	12.8	961.4	82.2	1060.8
DHAR	10.3	4.0	650.5	110.9	775.7
GUNA	1.4	88.4	1632.5	105.1	1827.3
GWALIOR	3.8	57.0	718.2	95.3	874.3
HARDA	4.0	34.7	875.9	105.0	1019.6
HOSHANGABAD	3.3	35.1	1025.9	55.2	1119.4
INDORE	9.4	35.3	836.6	154.8	1036.1
JHABUA	18.2	11.4	829.0	54.2	912.7
KHANDWA	4.0	11.8	837.5	96.3	949.5
KHARGONE	4.6	11.3	590.7	73.0	679.6
MANDSAUR	7.5	38.8	914.6	86.4	1047.3
MORENA	4.5	74.0	658.2	40.3	777.0
NEEMUCH	23.3	89.9	1056.7	181.7	1351.6
RAISEN	3.5	67.9	1024.1	44.7	1140.1
RAJGARH	1.4	60.6	1194.3	83.8	1340.0
RATLAM	1.3	33.1	1035.4	76.9	1146.6
SEHORE	1.8	36.2	944.8	101.7	1084.5
SHAJAPUR	5.2	38.5	1066.5	79.1	1189.3
SHEOPUR	27.5	49.4	1344.0	200.8	1621.6
SHIVPURI	2.3	84.1	1262.5	104.7	1453.5
UJJAIN	5.8	44.0	999.6	98.0	1147.3
VIDISHA	5.6	81.7	1181.8	66.5	1335.6
GUJARAT	1.2	49.8	694.6	47.6	793.2
GUJARAT REGION	2.6	56.8	788.8	61.2	909.5
AHMEDABAD	0.0	65.6	523.9	9.3	598.8
ANAND	0.0	97.7	814.4	16.1	928.1
ARAVALLI	2.7	94.2	547.2	9.8	653.8
BANASKANTHA	0.0	13.4	436.1	55.9	505.3
BHARUCH	0.0	65.7	776.5	65.5	907.7
CHHOTA UDEPUR	6.8	18.1	1024.4	85.9	1135.2
DADARA & NAGAR HAVELI	0.0	139.2	2674.2	221.0	3034.4
DAHOD	0.2	23.1	540.3	34.6	598.3
DAMAN	0.0	291.0	2564.2	161.0	3016.1
DANGS	46.7	10.3	1619.6	176.6	1853.1
GANDHINAGAR	0.0	92.5	497.7	14.3	604.4
KHEDA	0.0	143.4	650.7	9.3	803.4
MAHISAGAR	0.0	84.2	550.0	11.3	645.5
MEHSANA	0.0	37.4	544.1	46.1	627.6
NARMADA	8.2	26.8	1058.9	88.7	1182.6
NAVSARI	5.3	107.7	1676.7	130.8	1920.5
PANCHMAHAL	0.1	42.7	672.5	34.0	749.4
PATAN	0.0	22.8	448.6	60.9	532.2
SABARKANTHA	0.0	75.7	588.3	65.5	729.5
SURAT	5.2	80.9	1383.5	129.3	1598.9
TAPI	9.8	16.6	956.3	85.9	1068.5

DISTRICT-WISE RAINFALL STATISTICS

MET. SUBDIVISION/ UT/ STATE/DISTRICT (NAME)	Winter	Pre- Monsoon	SW- Monsoon	Post- Monsoon	Annual
VADODARA	0.0	43.4	673.9	58.6	775.9
VALSAD	4.4	147.4	2335.5	183.5	2670.8
SAURASHTRA & KUTCH	0.0	44.5	626.6	37.0	708.2
AMRELI	0.0	131.3	729.1	23.1	883.5
BHAVNAGAR	0.0	137.8	637.9	32.0	807.8
BOTAD	0.0	115.3	601.3	14.8	731.3
DEVBHOO MI DWARKA	0.0	0.0	904.0	66.8	970.8
DIU	0.0	87.4	617.8	61.6	766.8
GIR SOMNATH	0.0	140.8	882.4	44.6	1067.8
JAMNAGAR	0.0	17.3	883.7	27.4	928.4
JUNAGADH	0.0	44.3	1152.9	53.1	1250.3
KUTCH	0.0	9.9	438.1	39.8	487.9
MORBI	0.0	42.6	512.6	28.8	584.0
PORBANDAR	0.0	3.5	945.1	17.5	966.1
RAJKOT	0.0	44.6	896.5	46.7	987.8
SURENDRANAGAR	0.0	53.0	428.2	27.6	508.9
DADARA & NAGAR HAVELI	0.0	139.2	2674.2	221.0	3034.4
DAMAN & DIU	0.0	218.3	1869.0	125.5	2212.8
DAMAN	0.0	291.0	2564.2	161.0	3016.1
DIU	0.0	87.4	617.8	61.6	766.8
KONKAN & GOA	15.4	192.5	3558.7	265.8	4032.5
GOA	37.3	284.8	3125.1	500.0	3947.2
NORTH GOA	35.6	286.5	3357.0	565.0	4244.1
SOUTH GOA	38.9	283.3	2920.4	442.6	3685.1
MAHARASHTRA	12.8	62.8	1194.3	140.8	1410.7
MUMBAI CITY	0.6	253.8	2061.1	148.2	2463.7
MUMBAI SUBURBAN	0.5	243.4	3163.5	134.2	3541.6
PALGHAR	0.1	218.2	2781.6	154.8	3154.7
RAIGAD	38.7	56.7	3650.8	191.0	3937.1
RATNAGIRI	12.5	196.6	4251.8	222.1	4683.0
SINDHUDURG	0.9	383.1	3873.0	397.5	4654.5
THANE	0.0	62.4	2974.9	250.4	3287.7
MADHYA MAHARASHTRA	20.5	62.4	872.7	181.0	1136.5
AHMEDNAGAR	23.8	11.5	584.7	212.6	832.6
DHULE	54.3	36.0	728.5	134.4	953.2
JALGAON	11.3	43.3	790.7	127.5	972.7
KOLHAPUR	29.1	177.8	2039.7	271.8	2518.5
NANDURBAR	24.0	3.2	811.8	65.4	904.4
NASHIK	19.3	39.2	1121.9	152.7	1332.9
PUNE	32.5	70.7	894.3	203.3	1200.8
SANGLI	11.9	101.8	462.6	158.8	735.1
SATARA	13.7	110.1	1038.2	224.3	1386.3
SHOLAPUR	0.3	71.7	596.5	197.3	865.7

DISTRICT-WISE RAINFALL STATISTICS

MET. SUBDIVISION/ UT/ STATE/DISTRICT (NAME)	Winter	Pre- Monsoon	SW- Monsoon	Post- Monsoon	Annual
MARATHWADA	10.8	36.9	989.5	120.0	1157.1
AURANGABAD	14.1	39.9	948.8	129.4	1132.3
BEED	20.2	43.2	945.2	106.5	1115.1
HINGOLI	4.3	5.2	861.6	76.6	947.6
JALNA	0.7	18.3	1094.9	105.8	1219.8
LATUR	5.8	0.0	925.8	143.5	1075.1
NANDED	3.4	53.3	1066.8	93.2	1216.7
OSMANABAD	22.7	75.6	812.6	188.7	1099.6
PARBHANI	10.8	35.9	1252.6	112.3	1411.6
VIDARBHA	5.0	44.4	968.3	78.1	1095.9
AKOLA	4.3	5.8	723.4	75.8	809.4
AMRAOTI	4.4	39.1	799.3	87.8	930.5
BHANDARA	7.2	39.4	1117.7	39.2	1203.5
BULDHANA	3.3	34.4	699.9	103.3	840.9
CHANDRAPUR	3.2	51.3	1112.3	92.6	1259.3
GADCHIROLI	2.3	47.2	1087.2	77.3	1214.1
GONDIA	15.7	55.4	1129.6	65.1	1265.9
NAGPUR	10.7	62.6	1049.6	42.3	1165.2
WARDHA	4.2	78.6	955.9	31.0	1069.7
WASHIM	0.0	46.7	974.4	141.2	1162.3
YEOTMAL	4.8	30.4	1000.9	81.8	1117.9
CHHATTISGARH	12.8	97.3	1107.7	91.9	1309.6
BALOD	7.8	133.7	930.6	104.6	1176.7
BALODA BAZAR	11.4	40.4	965.0	85.5	1102.3
BALRAMPUR	11.1	134.4	1058.1	71.0	1274.6
BASTAR	5.7	166.9	1093.9	174.7	1441.2
BEMETARA	34.6	100.8	1177.2	78.5	1391.0
BIJAPUR	6.9	117.3	1216.5	106.9	1447.5
BILASPUR	26.8	62.3	1231.1	72.7	1392.9
DANTEWADA	0.7	74.2	1203.9	65.3	1343.9
DHANTARI	4.4	68.7	956.5	90.6	1120.1
DURG	6.5	114.6	1024.5	160.7	1306.3
GARIABAND	7.5	101.5	1060.3	84.8	1254.1
JANJGIR	17.2	47.1	1150.8	68.3	1283.2
JASHPUR	12.2	118.2	1081.3	123.0	1334.6
KABIRDHAM	18.5	56.0	1024.8	156.8	1256.1
KANKER	5.8	79.0	1015.3	99.2	1199.3
KONDAGAON	15.9	118.0	1122.2	24.4	1280.6
KORBA	28.0	96.6	1399.5	79.5	1603.6
KORIYA	15.5	106.4	1036.5	44.3	1202.7
MAHASAMUND	0.0	57.7	921.7	95.9	1075.3
MUNGELI	14.7	41.3	1122.3	72.3	1250.7
NARAYANPUR	27.8	197.9	1290.2	103.8	1619.7
RAIGARH	10.7	69.8	934.6	95.6	1110.6
RAIPUR	6.0	58.4	879.3	128.7	1072.3
RAJNANDGAON	10.0	61.9	982.4	91.3	1145.5
SUKMA	0.9	126.3	1564.7	80.1	1772.0
SURAJPUR	17.1	117.4	1265.6	68.5	1468.6
SURGUJA	16.0	76.5	926.7	53.5	1072.7

DISTRICT-WISE RAINFALL STATISTICS

MET. SUBDIVISION/ UT/ STATE/DISTRICT (NAME)	Winter	Pre- Monsoon	SW- Monsoon	Post- Monsoon	Annual
ANDHRA PRADESH	24.4	104.5	613.5	406.4	1148.9
COASTAL A. P. & YANAM	16.8	97.9	704.3	360.6	1179.6
EAST GODAVARI	2.8	99.3	942.6	198.8	1243.5
GUNTUR	4.9	66.8	738.9	223.7	1034.3
KRISHNA	2.7	86.7	875.4	211.9	1176.8
PRAKASAM	14.2	106.1	360.2	351.9	832.4
SPSR NELLORE	86.1	34.2	332.8	969.1	1422.2
SRIKAKULAM	7.7	100.2	849.0	417.3	1374.2
VISHAKHAPATNAM	0.7	175.2	888.4	199.3	1263.6
VIZIANAGARAM	3.6	141.9	974.2	251.4	1371.1
WEST GODAVARI	0.4	92.7	936.2	228.6	1258.0
YANAM	0.0	50.0	788.0	566.6	1404.6
RAYALASEEMA	34.8	113.7	488.2	469.7	1106.5
ANANTAPURAMU	30.6	132.0	383.3	420.6	966.6
CHITTOOR	46.7	87.7	656.1	681.5	1471.9
KURNOOL	19.9	113.4	421.9	195.8	751.0
YSR DISTRICT	45.5	117.0	529.4	636.9	1328.9
TELANGANA	3.5	66.7	1044.2	94.2	1208.5
ADILABAD	1.7	57.9	1600.4	117.0	1777.0
B. KOTHAGUDEM	0.0	151.8	1223.3	144.6	1519.7
HYDERABAD	7.6	126.8	806.4	166.0	1106.8
J. BHUPALPALLY	3.1	96.2	1073.7	66.6	1239.6
JAGTIAL	1.7	11.6	1247.7	66.8	1327.8
JANGAON	0.1	40.4	1066.2	103.2	1209.9
JOGULAMBA GADWAL	7.5	89.9	421.5	126.9	645.7
KAMAREDDY	7.1	54.7	1340.9	89.1	1491.7
KARIMNAGAR	2.8	27.2	1268.3	92.0	1390.3
KHAMMAM	0.0	76.0	1009.8	89.9	1175.8
KUMARAM BHEEM	2.5	70.8	1486.4	76.6	1636.2
M. MALKAJGIRI	2.6	53.5	887.2	94.4	1037.6
MAHABUBABAD	3.7	50.1	1418.7	109.2	1581.7
MAHABUBNAGAR	1.2	85.2	746.6	80.9	913.8
MANCHERIAL	0.9	25.5	1020.4	47.3	1094.2
MEDAK	0.3	37.4	960.1	61.2	1059.0
MULUGU	7.1	116.2	1280.0	82.1	1485.3
NAGARKURNOOL	1.0	83.4	512.3	108.0	704.7
NALGONDA	0.6	59.9	690.9	134.4	885.8
NARAYANPET	11.9	113.8	715.4	116.5	957.6
NIRMAL	10.3	49.3	1564.0	84.0	1707.6
NIZAMABAD	2.6	31.3	1382.3	63.0	1479.3
PEDDAPALLE	2.2	22.6	1039.9	36.5	1101.1
RAJANNA SIRCILLA	8.9	32.4	1386.2	107.0	1534.5
RANGAREDDY	5.7	81.1	668.7	141.3	896.8
SANGAREDDY	7.3	68.1	853.8	47.2	976.4
SIDDIPET	1.4	13.0	1126.9	80.1	1221.4
SURYAPET	0.0	44.1	765.9	100.1	910.1
VIKARABAD	2.6	84.1	905.7	81.0	1073.3
WANAPARTHY	0.6	63.1	580.2	109.8	753.8

DISTRICT-WISE RAINFALL STATISTICS

MET. SUBDIVISION/ UT/ STATE/DISTRICT (NAME)	Winter	Pre- Monsoon	SW- Monsoon	Post- Monsoon	Annual
WARANGAL_RURAL	9.6	56.4	1352.4	58.2	1476.5
WARANGAL_URBAN	6.9	44.3	1152.4	79.6	1283.2
Y. BHUVANAGIRI	10.0	76.0	1051.3	90.1	1227.3
TAMIL. PUDU.& KARAİKAL	151.5	120.7	393.3	714.3	1379.9
TAMILNADU	150.8	120.9	393.4	711.6	1376.7
ARIYALUR	220.7	59.2	433.2	933.0	1646.0
CHENGALPATTU	172.5	47.2	387.9	1238.4	1846.0
CHENNAI	196.5	47.9	500.2	1360.4	2105.0
COIMBATORE	118.5	290.1	1029.7	678.6	2116.8
CUDDALORE	342.2	75.3	438.2	1184.7	2040.4
DHARMAPURI	59.8	121.4	369.8	476.8	1027.7
DINDIGUL	194.4	149.8	307.7	588.6	1240.5
ERODE	78.5	151.9	257.8	521.9	1010.0
KALLAKURICHI	112.8	56.7	439.8	818.2	1427.5
KANCHEEPURAM	107.4	78.0	517.5	995.2	1698.1
KANYAKUMARI	99.1	639.1	426.0	1076.8	2240.9
KARUR	109.1	43.7	270.3	496.7	919.9
KRISHNAGIRI	45.9	122.3	375.2	442.0	985.4
MADURAI	131.5	95.0	384.1	484.6	1095.3
MAYILADUTHURAI	297.7	51.1	331.8	1155.8	1836.3
NAGAPATTINAM	354.0	65.4	293.8	1219.3	1932.4
NAMAKKAL	66.3	83.0	341.0	531.6	1022.0
NILGIRIS	163.9	350.3	1109.7	635.0	2258.9
PERAMBALUR	157.6	86.4	468.7	850.7	1563.4
PUDUKKOTTAI	191.1	48.1	320.2	629.3	1188.8
RAMANATHAPURAM	239.8	69.0	138.6	593.2	1040.7
RANIPET	44.0	101.7	623.5	788.2	1557.4
SALEM	62.4	120.0	503.8	481.4	1167.6
SIVAGANGA	181.1	105.7	322.9	661.1	1270.8
TENKASI	148.1	262.9	156.9	717.9	1285.7
THANJAVUR	278.6	63.7	370.9	867.3	1580.6
THENI	112.6	228.5	327.1	596.1	1264.3
TIRUNELVELI	419.8	185.7	122.6	841.2	1569.2
TIRUPATTUR	16.7	93.0	638.6	576.2	1324.5
TIRUPPUR	118.4	92.0	153.8	480.9	845.1
TIRUVALLUR	139.0	59.2	553.2	1058.2	1809.6
TIRUVANNAMALAI	74.2	77.9	602.8	837.6	1592.5
TIRUVARUR	377.4	71.0	317.8	1030.0	1796.1
TOOTHUKUDI	162.2	85.2	90.9	592.4	930.7
TRICHY	139.2	62.4	353.1	668.0	1222.7
VELLORE	49.8	128.0	629.6	626.2	1433.6
VILLUPURAM	144.1	62.2	517.5	1211.4	1935.1
VIRUDHUNAGAR	120.5	150.4	172.3	525.2	968.5
PUDUCHERRY (UT)	350.3	64.3	435.8	1425.1	2275.5
KARAİKAL	321.1	42.4	263.7	1491.7	2118.9
MAHE	74.6	645.8	1957.0	936.8	3614.2
PUDUCHERRY	410.6	60.0	447.7	1491.4	2409.7
YANAM	0.0	50.0	788.0	566.6	1404.6
KARNATAKA	36.3	179.2	865.4	369.9	1450.9

DISTRICT-WISE RAINFALL STATISTICS

MET. SUBDIVISION/ UT/ STATE/DISTRICT (NAME)	Winter	Pre- Monsoon	SW- Monsoon	Post- Monsoon	Annual
COASTAL KARNATAKA	76.8	457.1	2800.9	557.4	3892.2
DAKSHINA KANNADA	131.4	567.0	2668.9	797.2	4164.6
UDUPI	82.8	495.2	3449.5	675.0	4702.5
UTTARA KANNADA	49.0	392.0	2636.3	403.4	3480.7
N. I. KARNATAKA	12.5	114.3	603.1	173.0	902.9
BAGALKOTE	9.0	76.1	414.1	122.2	621.4
BELAGAVI	13.6	162.8	696.2	231.9	1104.6
BIDAR	7.0	44.1	889.1	94.5	1034.6
DHARWAD	32.3	207.9	617.1	244.3	1101.6
GADAG	40.6	216.3	392.6	224.3	873.8
HAVERI	49.3	148.6	534.4	359.7	1092.1
KALABURGI	2.5	99.9	859.6	114.7	1076.6
KOPPAL	8.2	93.1	503.7	206.0	811.0
RAICHUR	3.8	72.7	428.9	181.4	686.8
VIJAYAPURA	0.6	99.9	470.3	93.2	664.0
YADGIR	6.6	50.2	613.5	110.7	781.0
S. I. KARNATAKA	48.6	179.1	701.6	500.8	1430.1
BALLARI	16.6	100.5	434.1	272.1	823.3
BENGALURU RURAL	45.3	121.3	588.2	569.9	1324.7
BENGALURU URBAN	26.3	132.3	548.3	581.7	1288.7
CHAMARAJANAGAR	16.3	147.7	448.6	478.0	1090.6
CHIKABALLAPURA	29.8	142.5	471.2	618.9	1262.3
CHIKKAMAGALURU	112.4	251.2	1543.9	570.2	2477.7
CHITRADURGA	55.7	165.5	350.6	424.7	996.5
DAVANGERE	52.0	135.4	521.9	400.8	1110.3
HASSAN	60.3	213.0	538.2	507.7	1319.3
KODAGU	90.0	460.6	1926.5	511.0	2988.3
KOLAR	30.0	149.6	758.6	574.2	1512.4
MANDYA	32.4	169.8	366.5	638.6	1207.3
MYSURU	26.8	104.0	313.0	597.3	1041.1
RAMANAGARA	44.8	208.0	371.4	490.6	1114.7
SHIVAMOGGA	69.5	246.5	1616.6	409.3	2341.8
TUMAKURU	41.8	147.0	387.2	604.0	1179.9
KERALA & MAHE	114.1	746.8	1719.1	1026.3	3606.3
KERALA	114.1	746.8	1719.1	1026.3	3606.3
ALAPUZHA	99.9	904.1	1495.1	929.8	3428.8
CANNUR	79.8	640.0	2070.6	858.5	3648.9
ERNAKULAM	149.2	879.6	1903.9	999.3	3931.9
IDUKKI	129.2	765.6	2108.4	1256.0	4259.2
KASARGOD	114.0	488.3	2398.7	825.0	3826.0
KOLLAM	97.9	919.7	1150.4	1325.1	3493.1
KOTTAYAM	155.9	1051.2	2165.9	1215.5	4588.5
KOZHIKODE	170.5	674.5	2288.4	1032.9	4166.3
MALAPPURAM	95.2	574.5	1550.1	817.0	3036.9
PALAKKAD	39.7	434.7	1131.6	831.9	2437.7
PATHANAMTHITTA	270.8	1301.9	1684.3	1695.4	4952.5

DISTRICT-WISE RAINFALL STATISTICS

MET. SUBDIVISION/ UT/ STATE/DISTRICT (NAME)	Winter	Pre- Monsoon	SW- Monsoon	Post- Monsoon	Annual
THIRUVANANTHAPURAM	95.7	942.4	745.6	999.4	2783.1
THRISSUR	67.3	713.3	1792.5	948.5	3521.6
WYNAD	85.1	467.0	1725.5	569.7	2847.3
MAHE	74.6	645.8	1957.0	936.8	3614.2
LAKSHADWEEP	216.9	514.6	790.9	376.3	1898.7

Table 23: % Departures of District-wise seasonal and annual rainfall – 2021

S.No.	MET. SUBDIVISION/ UT/ STATE/DISTRICT (NAME)	Winter	Pre- Monsoon	SW- Monsoon	Post- Monsoon	Annual
1	A & N ISLAND	21%	29%	22%	15%	22%
1	NICOBAR	-4%	6%	34%	-27%	7%
2	NORTH & MIDDLE ANDAMAN	-44%	37%	39%	68%	43%
3	SOUTH ANDAMAN	115%	37%	-1%	0%	8%
2	ARUNACHAL PRADESH	-72%	-25%	-25%	-41%	-28%
1	ANJAW	-79%	-46%	-71%	-80%	-64%
2	CHANGLANG	-91%	-59%	-43%	-53%	-50%
3	DIBANG VALLEY	-72%	-20%	-38%	-53%	-36%
4	EAST KAMENG	-99%	-20%	31%	-32%	6%
5	EAST SIANG	-82%	-21%	-20%	26%	-20%
6	KURUNG KUMEY	-63%	12%	-34%	-20%	-21%
7	LOHIT	-95%	-63%	-47%	-68%	-57%
8	LOWER DIBANG VALLEY	-82%	-53%	45%	-38%	-6%
9	LOWER SUBANSIRI	-68%	-13%	-41%	-64%	-37%
10	PAPUMPARA	-64%	-14%	-12%	-58%	-17%
11	TAWANG	-27%	0%	-46%	-30%	-36%
12	TIRAP	-46%		-56%		
13	UPPER SIANG	-78%	10%	-4%	-34%	-7%
14	UPPER SUBANSIRI	-55%	-20%	-35%	-32%	-32%
15	WEST KAMENG	-49%	-37%	-31%	-34%	-33%
16	WEST SIANG	-40%	-3%	-35%	-47%	-30%
3	ASSAM & MEGHALAYA	-76%	-30%	-22%	-23%	-24%
	ASSAM	-71%	-39%	-23%	-16%	-28%
1	BAKSA	35%	-35%	9%	-74%	-10%
2	BARPETA	100%	-39%	-18%	14%	-19%
3	BONGAIGAON	-82%	-61%	-41%	57%	-40%
4	CACHAR	-88%	-27%	-8%	-3%	-15%

DISTRICT-WISE RAINFALL STATISTICS

S.No.	MET. SUBDIVISION/ UT/ STATE/DISTRICT (NAME)	Winter	Pre- Monsoon	SW- Monsoon	Post- Monsoon	Annual
5	CHIRANG	-28%	-49%	-1%	22%	-11%
6	DARRANG	-95%		-33%	-62%	
7	DHEMAJI	-80%	-24%	-13%	-14%	-17%
8	DHUBRI	-99%	-44%	-44%	35%	-40%
9	DIBRUGARH	-81%	-32%	-32%	-37%	-34%
10	GOALPARA	-100%	-43%	-22%	13%	-26%
11	GOLAGHAT	-50%	-38%	-14%	-27%	-22%
12	HAILAKANDI	-72%		-18%	30%	
13	JORHAT	-91%	-25%	-23%	-5%	-25%
14	KAMRUP (RURAL)	-90%	-51%	-35%	-87%	-44%
15	KAMRUP METRO.	-76%	-31%	-28%	-10%	-28%
16	KARBI ANGLONG	-93%	-38%	-18%	-19%	-25%
17	KARIMGANJ	-92%		-16%	29%	
18	KOKRAJHAR	-48%	-47%	-14%	54%	-17%
19	LAKHIMPUR	-65%	-23%	-8%	-29%	-14%
20	MORIGAON	-81%	-35%	-33%	-5%	-32%
21	N. C. HILLS	-100%	-15%	-40%	2%	-30%
22	NAGAON	-89%	-66%	-47%	-61%	-54%
23	NALBARI	-1%	-43%	-6%	-80%	-20%
24	SHONITPUR	-33%	-51%	-7%	-44%	-21%
25	SIBSAGAR	-87%	-27%	-7%	-47%	-18%
26	TINSUKIA	-81%	-30%	-31%	-56%	-34%
27	UDALGURI	-53%	-37%	-29%	-57%	-33%
	MEGHALAYA	-97%	-7%	-21%	-35%	-20%
1	EAST GARO HILLS	-100%	114%	62%	7%	70%
2	EAST KHASI HILLS	-85%	-37%	-7%	-43%	-15%
3	JAINTIA HILLS	-100%	-11%	-50%	-60%	-46%
4	RI-BHOI	-100%	-19%	-16%	-24%	-19%
5	SOUTH GARO HILLS	-79%	-27%	25%	-59%	6%
6	WEST GARO HILLS	-100%	-31%	-33%	0%	-30%
7	WEST KHASI HILLS	-100%	-9%	-27%	-12%	-23%
4	NMMT	-82%	-55%	-32%	-31%	-38%
	NAGALAND	-82%	-44%	-26%	-42%	-33%
1	DIMAPUR	-92%	-61%	-53%	-67%	-57%
2	KEPHIRE	-78%	-46%	-6%	20%	-13%
3	KOHIMA	-98%	-49%	-41%	-39%	-44%
4	LONGLENG	-74%	-33%	-31%	-40%	-33%

DISTRICT-WISE RAINFALL STATISTICS

S.No.	MET. SUBDIVISION/ UT/ STATE/DISTRICT (NAME)	Winter	Pre- Monsoon	SW- Monsoon	Post- Monsoon	Annual
5	MOKOKCHUNG	-64%	-30%	-10%	-41%	-18%
6	MON	-76%	-12%	-21%	-20%	-20%
7	PAREN	-99%	-35%	-13%	-27%	-21%
8	PHEK	-76%	-40%	-32%	-59%	-38%
9	TUENSANG	-83%	-57%	-39%	-56%	-45%
10	WOKHA	-83%	-51%	-21%	-33%	-29%
11	ZUNHEBOTO	-96%	-60%	-25%	-37%	-35%
	MANIPUR	-76%	-37%	-60%	-48%	-55%
1	BISHNUPUR	-98%	-52%	-66%	-73%	-66%
2	CHANDEL	-94%	-53%	-76%	-79%	-74%
3	CHURACHANDPUR	-63%	-73%	-77%	-65%	-74%
4	IMPHAL EAST	-88%	-59%	-55%	-49%	-56%
5	IMPHAL WEST	-73%	78%	73%	-7%	58%
6	SENAPATI	-74%	-24%	-59%	-36%	-50%
7	TAMENGLONG	-96%	-53%	-75%	-73%	-73%
8	THOUBAL	-92%	-37%	-33%	-21%	-35%
9	UKHRUL	-74%	26%	-30%	-5%	-19%
	MIZORAM	-91%	-68%	-23%	-27%	-35%
1	AIZWAL	-83%	-64%	-24%	2%	-32%
2	CHAMPHAI	-93%	-81%	-30%	-38%	-43%
4	KOLASIB	-87%	-54%	-5%	-15%	-19%
5	LAWNGTLAI	-99%	-65%	-12%	-39%	-26%
6	LUNGLEI	-93%	-66%	-41%	-40%	-46%
7	MAMIT	-92%	-73%	-19%	-28%	-37%
8	SAIHA	-89%	-66%	9%	-24%	-12%
9	SERCHHIP	-90%	-66%	-30%	-16%	-38%
	TRIPURA	-79%	-60%	-15%	5%	-26%
1	DHALAI	-31%	-59%	-27%	-21%	-36%
2	NORTH TRIPURA	-89%	-54%	-19%	-12%	-31%
3	SOUTH TRIPURA	-97%	-70%	-4%	19%	-19%
4	WEST TRIPURA	-90%	-60%	-8%	35%	-20%
5	SHWB & SIKKIM	-54%	6%	-8%	73%	-1%
	SIKKIM	-36%	36%	12%	61%	20%

DISTRICT-WISE RAINFALL STATISTICS

S.No.	MET. SUBDIVISION/ UT/ STATE/DISTRICT (NAME)	Winter	Pre- Monsoon	SW- Monsoon	Post- Monsoon	Annual
1	EAST SIKKIM	-48%	-5%	2%	92%	5%
2	NORTH SIKKIM	-26%	63%	30%	52%	38%
3	SOUTH SIKKIM	-85%	-42%	-35%	9%	-36%
4	WEST SIKKIM	-40%	3%	-1%	121%	8%
	WEST BENGAL	-93%	28%	15%	80%	20%
1	COOCH BEHAR	-100%	-26%	-14%	117%	-9%
2	DARJEELING	-60%	-10%	3%	147%	8%
3	JALPAIGURI	-58%	-31%	-7%	47%	-8%
4	MALDA	-100%	134%	-30%	21%	-7%
5	NORTH DINAJPUR	-100%	-3%	-37%	95%	-23%
6	SOUTH DINAJPUR	-100%	0%	-22%	81%	-11%
6	GANGETIC WEST BENGAL	-98%	53%	31%	81%	36%
1	BANKURA	-93%	112%	33%	103%	45%
2	BIRBHUM	-100%	51%	-9%	57%	2%
3	BURDWAN	-99%	66%	42%	129%	49%
4	EAST MIDNAPORE	-100%	74%	49%	77%	52%
5	HOOGLHY	-97%	59%	19%	132%	32%
6	HOWRAH	-98%	24%	44%	61%	40%
7	KOLKATA	-96%	102%	33%	24%	38%
8	MURSHIDABAD	-100%	30%	-7%	-40%	-7%
9	NADIA	-99%	59%	5%	116%	22%
10	NORTH 24 PARGANAS	-96%	54%	41%	91%	45%
11	PURULIA	-95%	157%	23%	118%	41%
12	SOUTH 24 PARGANAS	-99%	0%	40%	46%	34%
13	WEST MIDNAPORE	-95%	40%	46%	136%	50%
7	ODISHA	-86%	47%	-10%	39%	-2%
1	ANGUL	-98%	47%	-11%	23%	-6%
2	BALASORE	-100%	58%	-1%	29%	8%
3	BARGARH	-81%	29%	-14%	109%	-8%
4	BHADRAK	-98%	200%	-19%	-1%	7%
5	BOLANGIR	-93%	-27%	-25%	-5%	-25%
6	BOUDHGARH	-100%	26%	-4%	70%	-1%
7	CUTTACK	-100%	48%	14%	28%	16%
8	DEOGARH	-65%	325%	-18%	157%	9%
9	DHENKANAL	-99%	48%	8%	9%	10%
10	GAJAPATI	-71%	-25%	-11%	64%	-4%

DISTRICT-WISE RAINFALL STATISTICS

S.No.	MET. SUBDIVISION/ UT/ STATE/DISTRICT (NAME)	Winter	Pre- Monsoon	SW- Monsoon	Post- Monsoon	Annual
11	GANJAM	-94%	-34%	0%	106%	11%
12	JAGATSINGHPUR	-100%	151%	29%	105%	49%
13	JAJPUR	-100%	108%	-24%	14%	-8%
14	JHARSUGUDA	-44%	196%	-29%	56%	-15%
15	KALAHANDI	-80%	-4%	-27%	-16%	-25%
16	KANDHAMAL	-88%	-16%	-18%	8%	-17%
17	KENDRAPARA	-100%	196%	8%	65%	33%
18	KEONJHARGARH	-87%	120%	-17%	37%	2%
19	KHURDA	-100%	12%	7%	28%	8%
20	KORAPUT	-55%	14%	-1%	-4%	0%
21	MALKANGIRI	-33%	50%	2%	29%	7%
22	MAYURBHANJ	-98%	60%	-4%	45%	7%
23	NAWAPARA	-88%	1%	-1%	-55%	-6%
24	NAWARANGPUR	-88%	2%	-27%	-45%	-28%
25	NAYAGARH	-100%	-15%	9%	67%	9%
26	PURI	-100%	67%	22%	30%	24%
27	RAYAGADA	-87%	-74%	-10%	-1%	-20%
28	SAMBALPUR	-65%	80%	-28%	84%	-17%
29	SONEPUR	-80%	-1%	-9%	59%	-7%
30	SUNDARGARH	-54%	256%	-12%	159%	11%
8	JHARKHAND	-87%	189%	-1%	76%	15%
1	BOKARO	-96%	109%	1%	97%	15%
2	CHATRA	-100%	307%	-27%	-5%	-14%
3	DEOGHAR	-100%	62%	1%	119%	13%
4	DHANBAD	-99%	94%	23%	97%	31%
5	DUMKA	-100%	25%	0%	30%	3%
6	EAST SINGBHUM	-78%	240%	19%	136%	47%
7	GARHWA	-88%	291%	-18%	19%	-10%
8	GIRIDIH	-100%	86%	1%	113%	14%
9	GODDA	-100%	94%	-25%	35%	-12%
10	GUMLA	-68%	89%	-31%	14%	-21%
11	HAZARIBAG	-99%	333%	14%	62%	36%
12	JAMTARA	-100%	45%	37%	33%	34%
13	KHUNTI	-80%	354%	-11%	37%	9%
14	KODERMA	-98%	329%	14%	75%	35%
15	LATEHAR	-100%	272%	13%	-2%	20%
16	LOHARDAGA	-71%	278%	48%	-17%	56%
17	PAKUR	-100%	20%	-36%	-50%	-33%
18	PALAMU	-82%	514%	-4%	65%	13%
19	RAMGARH	-95%	420%	15%	113%	45%

DISTRICT-WISE RAINFALL STATISTICS

S.No.	MET. SUBDIVISION/ UT/ STATE/DISTRICT (NAME)	Winter	Pre- Monsoon	SW- Monsoon	Post- Monsoon	Annual
20	RANCHI	-76%	243%	13%	46%	28%
21	SAHIBGANJ	-100%	258%	-2%	28%	22%
22	SERAIKELA-KHARSAWAN	-86%	275%	-7%	131%	20%
23	SIMDEGA	-51%	151%	-19%	115%	-4%
24	WEST SINGBHUM	-95%	171%	-3%	255%	28%
9	BIHAR	-97%	226%	3%	176%	27%
1	ARARIA	-100%	92%	-14%	171%	6%
2	ARWAL	-82%	575%	-13%	58%	8%
3	AURANGABAD	-94%	315%	-4%	151%	13%
4	BANKA	-100%	112%	-14%	59%	0%
5	BEGUSARAI	-100%	272%	-26%	221%	4%
6	BHABUA	-78%	412%	10%	161%	26%
7	BHAGALPUR	-100%	166%	-4%	143%	21%
8	BHOJPUR	-95%	336%	-18%	124%	2%
9	BUXAR	-100%	563%	-2%	253%	29%
10	DARBHANGA	-100%	222%	40%	230%	65%
11	EAST CHAMPARAN	-100%	235%	7%	181%	32%
12	GAYA	-93%	579%	25%	100%	46%
13	GOPALGANJ	-99%	289%	4%	389%	38%
14	JAHANABAD	-86%	602%	-5%	183%	26%
15	JAMUI	-96%	448%	-23%	142%	8%
16	KATI HAR	-98%	183%	-13%	141%	17%
17	KHAGARIA	-100%	158%	-4%	187%	20%
18	KISHANGANJ	-100%	81%	-10%	224%	10%
19	LAKHISARAI	-100%	533%	-31%	246%	8%
20	MADHEPURA	-100%	167%	-10%	174%	18%
21	MADHUBANI	-100%	270%	19%	221%	50%
22	MONGHYR	-99%	213%	-22%	118%	2%
23	MUZAFFARPUR	-99%	270%	24%	272%	55%
24	NALANDA	-93%	602%	-6%	142%	28%
25	NAWADA	-92%	286%	4%	203%	31%
26	PATNA	-95%	272%	-15%	96%	4%
27	PURNEA	-99%	102%	-43%	86%	-20%
28	ROHTAS	-95%	436%	0%	156%	19%
29	SAHARSA	-100%	55%	-28%	167%	-10%
30	SAMASTIPUR	-100%	171%	13%	270%	41%
31	SARAN	-100%	399%	10%	175%	36%
32	SHEIKHPURA	-100%	354%	-15%	315%	26%
33	SHEOHAR	-100%	153%	-18%	142%	1%
34	SITAMARHI	-100%	188%	5%	78%	23%

DISTRICT-WISE RAINFALL STATISTICS

S.No.	MET. SUBDIVISION/ UT/ STATE/DISTRICT (NAME)	Winter	Pre- Monsoon	SW- Monsoon	Post- Monsoon	Annual
35	SIWAN	-100%	490%	17%	288%	51%
36	SUPAUL	-100%	136%	31%	282%	55%
37	VAISHALI	-100%	374%	34%	245%	66%
38	WEST CHAMPARAN	-100%	253%	58%	177%	76%
	UTTAR PRADESH	-72%	205%	-5%	126%	6%
10	EAST UTTAR PRADESH	-93%	255%	3%	96%	14%
1	AMBEDKAR NAGAR	-100%	381%	33%	47%	44%
2	AMETHI	-95%	313%	-7%	31%	2%
3	AYODHYA	-100%	313%	3%	70%	14%
4	AZAMGARH	-100%	38%	-7%	339%	7%
5	BAHRAICH	-95%	166%	9%	76%	18%
6	BALLIA	-94%	281%	0%	331%	27%
7	BALRAMPUR	-85%	478%	26%	67%	44%
8	BANDA	-86%	27%	-10%	-30%	-12%
9	BARABANKI	-94%	256%	29%	107%	37%
10	BASTI	-95%	376%	20%	28%	32%
11	CHANDAULI	-100%	270%	-54%	187%	-36%
12	CHITRAKOOT	-100%	507%	92%	-100%	86%
13	DEORIA	-84%	372%	20%	245%	45%
14	FARRUKHABAD	-99%	32%	-48%	328%	-31%
15	FATEHPUR	-96%	112%	-7%	111%	-2%
16	GHAZIPUR	-100%	179%	-13%	399%	11%
17	GONDA	-88%	368%	13%	30%	24%
18	GORAKHPUR	-96%	439%	2%	102%	23%
19	HARDOI	-94%	15%	-50%	44%	-44%
20	JAUNPUR	-100%	87%	-58%	-26%	-53%
21	KANNAUJ	-87%	21%	4%	285%	19%
22	KANPUR CITY	-78%	110%	-14%	57%	-9%
23	KANPUR DEHAT	-93%	27%	-50%	-4%	-47%
24	KAUSHAMBI	-100%	358%	-13%	-56%	-11%
25	KHERI	-91%	141%	39%	253%	52%
26	KUSHI NAGAR	-100%	193%	5%	217%	22%
27	LUCKNOW	-52%	247%	2%	115%	15%
28	MAHARAJGANJ	-100%	587%	19%	68%	46%
29	MAU	-100%	292%	-23%	25%	-14%
30	MIRZAPUR	-99%	308%	-12%	-25%	-7%
31	PRATAPGARH	-100%	357%	66%	160%	72%
32	PRAYAGRAJ	-98%	376%	36%	-61%	35%
33	RAE BAREILLY	-92%	216%	-26%	-40%	-25%

DISTRICT-WISE RAINFALL STATISTICS

S.No.	MET. SUBDIVISION/ UT/ STATE/DISTRICT (NAME)	Winter	Pre- Monsoon	SW- Monsoon	Post- Monsoon	Annual
34	SANT KABIR NAGAR	-93%	474%	19%	133%	36%
35	SANT RAVIDAS NAGAR	-100%	182%	7%	-4%	8%
36	SHRAWASTI NAGAR	-96%	332%	11%	84%	29%
37	SIDDHARTH NAGAR	-98%	540%	0%	32%	25%
38	SITAPUR	-95%	21%	1%	198%	9%
39	SONBHADRA	-86%	341%	13%	-3%	17%
40	SULTANPUR	-89%	408%	7%	96%	22%
41	UNNAO	-89%	109%	-32%	29%	-26%
42	VARANASI	-98%	441%	4%	97%	16%
11	WEST UTTAR PRADESH	-45%	124%	-20%	187%	-8%
1	AGRA	-79%	224%	-31%	121%	-18%
2	ALIGARH	93%	150%	-21%	196%	-2%
3	AURAIYA	-71%	16%	-18%	-24%	-19%
4	BADAUN	-46%	169%	-38%	102%	-24%
5	BAGHPAT	-47%	89%	23%	118%	27%
6	BAREILLY	-52%	225%	-3%	678%	32%
7	BIJNOR	-50%	82%	-4%	353%	10%
8	BULANDSHAHAR	4%	62%	-37%	332%	-17%
9	ETAH	-87%	251%	27%	142%	36%
10	ETAWAH	-92%	132%	-20%	-5%	-17%
11	FIROZABAD	-89%	204%	-13%	109%	-3%
12	GAUTAM BUDDHA NAGAR	-76%	64%	-57%	153%	-48%
13	GHAZIABAD	-39%	86%	-41%	113%	-32%
14	HAMIRPUR	-88%	55%	18%	242%	26%
15	HAPUR	-49%	66%	-43%	196%	-32%
16	JALAUN	-98%	226%	-14%	143%	-3%
17	JHANSI	-90%	102%	-20%	37%	-17%
18	JYOTIBA PHULE NAGAR	-28%	43%	-53%	288%	-37%
19	KANSHIRAM NAGAR	-71%	102%	-21%	142%	-11%
20	LALITPUR	-97%	111%	-17%	21%	-16%
21	MAHAMAYA NAGAR	28%	398%	30%	313%	53%
22	MAHOBAB	-82%	43%	-34%	41%	-31%
23	MAINPURI	-86%	211%	-21%	18%	-13%
24	MATHURA	56%	146%	-23%	117%	-11%
25	MEERUT	-11%	98%	-18%	266%	-3%
26	MORADABAD	3%	205%	-11%	307%	11%
27	MUZAFFARNAGAR	-14%	140%	8%	299%	22%
28	PILIBHIT	-75%	5%	-57%	176%	-46%
29	RAMPUR	-28%	114%	-49%	317%	-26%
30	SAHARANPUR	-56%	-18%	-11%	9%	-13%

DISTRICT-WISE RAINFALL STATISTICS

S.No.	MET. SUBDIVISION/ UT/ STATE/DISTRICT (NAME)	Winter	Pre- Monsoon	SW- Monsoon	Post- Monsoon	Annual
31	SAMBHAL	22%	351%	-1%	428%	28%
32	SHAHJAHANPUR	-94%	117%	-32%	220%	-15%
33	SHAMLI	-62%	-22%	-50%	44%	-46%
12	UTTARAKHAND	-56%	57%	-2%	263%	11%
1	ALMORA	-51%	71%	-3%	449%	21%
2	BAGESHWAR	-56%	147%	165%	532%	161%
3	CHAMOLI	-58%	45%	67%	264%	60%
4	CHAMPAWAT	-74%	116%	-32%	405%	-2%
5	DEHRADUN	-39%	54%	-11%	18%	-6%
6	GARHWAL PAURI	-67%	38%	-34%	192%	-24%
7	GARHWAL TEHRI	-62%	43%	-4%	80%	0%
8	HARDWAR	-55%	24%	-23%	40%	-20%
9	NAINITAL	-43%	102%	-12%	525%	16%
10	PITHORAGARH	-64%	22%	-6%	314%	7%
11	RUDRAPRAYAG	-59%	34%	-16%	112%	-8%
12	UDHAM SINGH NAGAR	-53%	234%	-13%	607%	23%
13	UTTARKASHI	-50%	64%	-16%	75%	-6%
13	HAR. CHD & DELHI	-15%	40%	30%	43%	28%
	HARYANA	-15%	40%	30%	39%	29%
1	AMBALA	-48%	-17%	-30%	-24%	-30%
2	BHIWANI	2%	-1%	12%	20%	11%
3	CHARKHI DADRI	-3%	27%	22%	39%	22%
4	FARIDABAD	-3%	151%	-2%	155%	13%
5	FATEHABAD	-72%	-54%	89%	0%	59%
6	GURGAON	8%	267%	47%	73%	60%
7	HISAR	-49%	-45%	79%	30%	58%
8	JHAJJAR	74%	291%	102%	226%	117%
9	JIND	-30%	-4%	41%	-81%	28%
10	KAITHAL	6%	21%	80%	36%	69%
11	KARNAL	-9%	-35%	24%	27%	18%
12	KURUKSHETRA	-16%	52%	26%	1%	24%
13	MAHENDRAGARH	54%	110%	43%	24%	48%
14	NUH	-33%	234%	14%	187%	29%
15	PALWAL	75%	143%	12%	222%	27%
16	PANCHKULA	-66%	-46%	-44%	-6%	-44%
17	PANIPAT	79%	-7%	50%	-11%	46%
18	REWARI	27%	221%	45%	127%	57%

DISTRICT-WISE RAINFALL STATISTICS

S.No.	MET. SUBDIVISION/ UT/ STATE/DISTRICT (NAME)	Winter	Pre- Monsoon	SW- Monsoon	Post- Monsoon	Annual
19	ROHTAK	3%	23%	11%	-38%	10%
20	SIRSA	-65%	-32%	27%	-10%	12%
21	SONEPAT	46%	75%	84%	-8%	77%
22	YAMUNA NAGAR	-61%	-4%	-6%	47%	-7%
	CHANDIGARH (UT)	-77%	0%	-29%	-25%	-30%
	DELHI	1%	50%	27%	167%	31%
1	CENTRAL DELHI		-100%	89%	306%	
2	EAST DELHI	7%	89%	7%	274%	22%
3	NEW DELHI	40%	47%	78%	411%	83%
4	NORTH DELHI	54%	110%	100%	308%	105%
5	NORTH EAST DELHI	26%	-13%	-26%	82%	-19%
6	NORTH WEST DELHI	-40%	-60%	49%	235%	41%
7	SOUTH DELHI	8%	239%	-1%	178%	20%
8	SOUTH WEST DELHI	21%	18%	36%	118%	36%
9	WEST DELHI	-10%	152%	-18%	29%	-4%
14	PUNJAB	-73%	-10%	-7%	32%	-11%
1	AMRITSAR	-64%	-33%	-18%	-2%	-23%
2	BARNALA	-83%	20%	-36%	39%	-32%
3	BHATINDA	-83%	31%	22%	260%	23%
4	FARIDKOT	-97%	-39%	59%	-27%	32%
5	FATEHGARH SAHIB	-77%	-24%	-12%	31%	-15%
6	FAZILKA	-68%	-56%	-48%	25%	-48%
7	FEROZEPUR	-71%	-33%	14%	41%	5%
8	GURDASPUR	-65%	-9%	-15%	49%	-17%
9	HOSHIARPUR	-76%	-30%	-16%	-9%	-22%
10	JALANDHAR	-72%	-33%	23%	51%	11%
11	KAPURTHALA	-42%	32%	165%	337%	138%
12	LUDHIANA	-78%	3%	25%	85%	18%
13	MANSA	-92%	-2%	-47%	83%	-43%
14	MOGA	-77%	0%	1%	-24%	-5%
15	MUKTSAR	-75%	2%	19%	17%	9%
16	PATHANKOT	-62%	3%	7%	-10%	-1%
17	PATIALA	-81%	4%	-1%	67%	-4%
18	RUPNAGAR	-78%	-22%	-14%	47%	-17%
19	SANGRUR	-84%	9%	-39%	-7%	-36%
20	SAS NAGAR (MOHALI)	-60%	11%	-33%	-31%	-31%
21	SBS NAGAR	-71%	-14%	-13%	-24%	-18%

DISTRICT-WISE RAINFALL STATISTICS

S.No.	MET. SUBDIVISION/ UT/ STATE/DISTRICT (NAME)	Winter	Pre- Monsoon	SW- Monsoon	Post- Monsoon	Annual
22	TARN TARAN	-39%	68%	-8%	-19%	-3%
15	HIMACHAL PRADESH	-70%	-12%	-10%	-18%	-20%
1	BILASPUR	-83%	-24%	1%	-7%	-11%
2	CHAMBA	-64%	-14%	-44%	-36%	-41%
3	HAMIRPUR	-77%	-23%	-3%	-37%	-14%
4	KANGRA	-65%	5%	-8%	-4%	-11%
5	KINNAUR	-71%	-9%	-6%	28%	-21%
6	KULLU	-60%	30%	40%	28%	20%
7	LAHAUL & SPITI	-72%	-29%	-64%	-26%	-51%
8	MANDI	-75%	47%	11%	-34%	5%
9	SHIMLA	-54%	29%	9%	-23%	0%
10	SIRMAUR	-51%	36%	-14%	-12%	-13%
11	SOLAN	-48%	24%	-11%	-6%	-11%
12	UNA	-71%	11%	-14%	29%	-14%
16	J & K AND LADAKH	-45%	-26%	-29%	-8%	-29%
	JAMMU & KASHMIR(UT)	-45%	-26%	-29%	-8%	-29%
1	ANANTNAG	-21%	-32%	-18%	41%	-17%
2	BADGAM	-1%	-13%	-36%	48%	-10%
3	BANDIPORE	-61%	-16%	-30%	3%	-27%
4	BARAMULA	-42%	21%	-17%	4%	-5%
5	DODA	-54%	-21%	-33%	-26%	-33%
6	GANDERBAL	-10%	56%	12%	2%	24%
7	JAMMU	-51%	-51%	-28%	10%	-31%
8	KATHUA	-81%	-58%	-38%	-64%	-46%
9	KISTWAR	-70%	-84%	-65%	-35%	-68%
10	KULGAM	-50%	-4%	-21%	10%	-18%
11	KUPWARA	-29%	-9%	-33%	-52%	-25%
12	POONCH	13%	20%	-23%	42%	-1%
13	PULWAMA	6%	2%	-15%	107%	10%
14	RAJOURI	-10%	-15%	-50%	-15%	-36%
15	RAMBAN	-51%	-13%	-27%	-20%	-28%
16	REASI	-47%	-20%	-19%	31%	-19%
17	SAMBA	-99%	-98%	-15%	-29%	-36%
18	SHOPIAN	-53%	-60%	-73%	-7%	-57%
19	SRINAGAR	5%	38%	23%	22%	24%
20	UDHAMPUR	-10%	-20%	14%	51%	9%

DISTRICT-WISE RAINFALL STATISTICS

S.No.	MET. SUBDIVISION/ UT/ STATE/DISTRICT (NAME)	Winter	Pre- Monsoon	SW- Monsoon	Post- Monsoon	Annual
	LADAKH (UT)	-64%	-27%	-42%	-56%	-45%
1	KARGIL	15%	32%	-18%	-23%	2%
2	LADAKH (LEH)	-89%	-45%	-49%	-66%	-60%
	RAJASTHAN	-4%	159%	17%	114%	27%
17	EAST RAJASTHAN	57%	287%	16%	163%	30%
1	AJMER	109%	495%	9%	60%	29%
2	ALWAR	0%	127%	14%	2%	19%
3	BANSWARA	-69%	403%	-5%	-23%	-2%
4	BARAN	26%	234%	46%	259%	58%
5	BHARATPUR	62%	297%	9%	88%	25%
6	BHILWARA	-13%	298%	6%	204%	22%
7	BUNDI	354%	140%	55%	196%	65%
8	CHITTORGARH	71%	387%	8%	488%	35%
9	DAUSA	126%	280%	20%	-59%	29%
10	DHOLPUR	-19%	604%	3%	47%	20%
11	DUNGARPUR	1%	1682%	-11%	21%	9%
12	JAIPUR	0%	282%	13%	99%	28%
13	JHALAWAR	-100%	23%	34%	-46%	28%
14	JHUNJHUNU	93%	58%	13%	-30%	18%
15	KARALI	148%	260%	12%	216%	29%
16	KOTA	330%	207%	51%	274%	68%
17	PRATAPGARH	118%	547%	35%	119%	44%
18	RAJSAMAND	6%	344%	2%	162%	21%
19	SAWAI MADHOPUR	186%	175%	47%	104%	56%
20	SIKAR	75%	173%	49%	19%	57%
21	SIROHI	-100%	168%	-33%	112%	-25%
22	TONK	27%	297%	19%	91%	29%
23	UDAIPUR	-77%	561%	-11%	498%	23%
18	WEST RAJASTHAN	-59%	75%	20%	28%	22%
1	BARMER	-100%	-28%	-2%	-99%	-9%
2	BIKANER	-95%	-15%	23%	25%	13%
3	CHURU	20%	29%	65%	-85%	55%
4	HANUMANGARH	-74%	-6%	11%	298%	15%
5	JAISALMER	-100%	156%	69%	-24%	68%
6	JALORE	-100%	170%	-12%	-21%	-8%
7	JODHPUR	-74%	151%	6%	128%	17%

DISTRICT-WISE RAINFALL STATISTICS

S.No.	MET. SUBDIVISION/ UT/ STATE/DISTRICT (NAME)	Winter	Pre- Monsoon	SW- Monsoon	Post- Monsoon	Annual
8	NAGPUR	40%	234%	39%	38%	51%
9	PALI	-5%	238%	-12%	51%	-1%
10	SRI GANGANAGAR	-75%	9%	-29%	412%	-12%
	MADHYA PRADESH	-57%	292%	0%	34%	6%
19	EAST MADHYA PRADESH	-62%	311%	-15%	-22%	-10%
1	ANUPPUR	-17%	115%	4%	-33%	5%
2	BALAGHAT	-27%	87%	-26%	-27%	-24%
3	CHHATARPUR	-76%	287%	-24%	-5%	-19%
4	CHHINDWARA	-51%	155%	-6%	3%	-3%
5	DAMOH	-59%	511%	-38%	-63%	-31%
6	DINDORI	-24%	414%	-8%	-1%	-1%
7	JABALPUR	-58%	231%	-35%	-19%	-30%
8	KATNI	-89%	983%	-30%	-31%	-23%
9	MANDLA	-44%	144%	-16%	5%	-12%
10	NARSINGHPUR	-91%	65%	-16%	-36%	-17%
11	NIWARI	-68%	560%	29%	270%	43%
12	PANNA	-87%	595%	-33%	-57%	-26%
13	REWA	-98%	561%	6%	-40%	10%
14	SAGAR	-67%	488%	-17%	-32%	-10%
15	SATNA	-95%	429%	-16%	-14%	-11%
16	SEONI	-28%	206%	-24%	-20%	-16%
17	SHAHDOL	-68%	403%	-2%	-3%	4%
18	SIDHI	-96%	425%	0%	-74%	4%
19	SINGRAULI	-84%	794%	50%	-51%	54%
20	TIKAMGARH	-67%	176%	-14%	-5%	-12%
21	UMARIA	-69%	437%	-15%	-32%	-7%
20	WEST MADHYA PRADESH	-48%	264%	14%	83%	21%
1	AGAR-MALWA	-68%	318%	51%	66%	54%
2	ALIRAJPUR	60%	130%	23%	180%	31%
3	ASHOKNAGAR	-82%	1027%	39%	11%	43%
4	BARWANI	157%	119%	-2%	80%	5%
5	BETUL	-18%	222%	6%	43%	12%
6	BHIND	-72%	508%	27%	133%	39%
7	BHOPAL	-78%	305%	2%	31%	8%
8	BURHANPUR	-90%	-47%	5%	100%	10%
9	DATIA	-86%	220%	-6%	220%	8%
10	DEWAS	-42%	28%	6%	60%	9%

DISTRICT-WISE RAINFALL STATISTICS

S.No.	MET. SUBDIVISION/ UT/ STATE/DISTRICT (NAME)	Winter	Pre- Monsoon	SW- Monsoon	Post- Monsoon	Annual
11	DHAR	157%	-47%	-22%	109%	-14%
12	GUNA	-92%	481%	84%	115%	89%
13	GWALIOR	-83%	243%	-4%	101%	5%
14	HARDA	-70%	261%	-16%	63%	-10%
15	HOSHANGABAD	-82%	70%	-22%	-11%	-21%
16	INDORE	34%	240%	1%	176%	15%
17	JHABUA	450%	34%	7%	14%	9%
18	KHANDWA	-52%	-14%	6%	75%	9%
19	KHARGONE	-28%	11%	-17%	48%	-13%
20	MANDSAUR	38%	232%	16%	86%	23%
21	MORENA	-73%	436%	1%	33%	9%
22	NEEMUCH	276%	655%	42%	409%	70%
23	RAISEN	-81%	426%	-5%	-19%	-2%
24	RAJGARH	-89%	418%	43%	55%	47%
25	RATLAM	-72%	348%	19%	38%	23%
26	SEHORE	-90%	199%	-9%	76%	-4%
27	SHAJAPUR	-59%	160%	20%	53%	23%
28	SHEOPUR	139%	330%	100%	501%	123%
29	SHIVPURI	-89%	492%	62%	140%	69%
30	UJJAIN	-34%	296%	18%	89%	25%
31	VIDISHA	-73%	528%	20%	35%	25%
	GUJARAT	-9%	896%	0%	67%	9%
21	GUJARAT REGION	73%	802%	-15%	106%	-5%
1	AHMEDABAD	-100%	879%	-24%	-58%	-17%
2	ANAND	-100%	1978%	4%	-51%	12%
3	ARAVALLI	196%	1349%	-33%	-60%	-23%
4	BANASKANTHA	-100%	83%	-22%	137%	-15%
5	BHARUCH	-100%	1952%	2%	156%	14%
6	CHHOTA UDEPUR	583%	178%	1%	150%	7%
7	DADARA & NAGAR HAVELI	-100%	1447%	24%	303%	36%
8	DAHOD	-81%	273%	-33%	6%	-29%
9	DAMAN	-100%	3133%	19%	194%	35%
10	DANGS	1273%	-12%	-27%	84%	-21%
11	GANDHINAGAR	-100%	1056%	-30%	-40%	-19%
12	KHEDA	-100%	1920%	-22%	-62%	-8%
13	MAHISAGAR	-100%	1352%	-30%	-57%	-21%
14	MEHSANA	-100%	419%	-21%	91%	-13%
15	NARMADA	1942%	588%	-2%	148%	5%
16	NAVSARI	967%	1823%	-9%	211%	2%

DISTRICT-WISE RAINFALL STATISTICS

S.No.	MET. SUBDIVISION/ UT/ STATE/DISTRICT (NAME)	Winter	Pre- Monsoon	SW- Monsoon	Post- Monsoon	Annual
17	PANCHMAHAL	-80%	510%	-27%	5%	-22%
18	PATAN	-100%	293%	-11%	281%	1%
19	SABARKANTHA	-100%	952%	-24%	156%	-10%
20	SURAT	936%	1518%	6%	262%	18%
21	TAPI	9700%	102%	-33%	161%	-27%
22	VADODARA	-100%	661%	-26%	75%	-18%
23	VALSAD	392%	2908%	8%	287%	20%
22	SAURASHTRA & KUTCH	-100%	1013%	24%	35%	31%
1	AMRELI	-100%	3651%	30%	-37%	47%
2	BHAVNAGAR	-100%	3526%	12%	2%	34%
3	BOTAD	-100%	2205%	15%	-56%	30%
4	DEVBHOO MI DWARKA	-100%	-99%	80%	167%	82%
5	DIU	-100%	4500%	0%	49%	15%
6	GIR SOMNATH	-100%	5768%	5%	2%	20%
7	JAMNAGAR	-100%	294%	57%	-17%	55%
8	JUNAGADH	-100%	2233%	37%	37%	42%
9	KUTCH	-100%	131%	16%	82%	21%
10	MORBI	-100%	1051%	0%	35%	8%
11	PORBANDAR	-100%	18%	44%	-48%	39%
12	RAJKOT	-100%	890%	52%	57%	58%
13	SURENDRANAGAR	-100%	1105%	-18%	10%	-8%
	DADARA & NAGAR HAVELI	-100%	1447%	24%	303%	36%
	DAMAN & DIU	-100%	3258%	16%	151%	33%
1	DAMAN	-100%	3133%	19%	194%	35%
2	DIU	-100%	4500%	0%	49%	15%
23	KONKAN & GOA	2107%	435%	24%	90%	32%
	GOA	2389%	212%	5%	146%	21%
1	NORTH GOA	4987%	210%	9%	170%	26%
2	SOUTH GOA	1667%	213%	1%	124%	16%
	MAHARASHTRA	56%	113%	19%	43%	24%
1	MUMBAI CITY	-57%	1376%	2%	78%	16%

DISTRICT-WISE RAINFALL STATISTICS

S.No.	MET. SUBDIVISION/ UT/ STATE/DISTRICT (NAME)	Winter	Pre- Monsoon	SW- Monsoon	Post- Monsoon	Annual
2	MUMBAI SUBURBAN	-72%	1105%	43%	50%	53%
3	PALGHAR	-80%	1920%	21%	95%	32%
4	RAIGAD	5421%	157%	16%	45%	19%
5	RATNAGIRI	4079%	436%	33%	36%	38%
6	SINDHUDURG	33%	524%	32%	121%	46%
7	THANE	-100%	416%	22%	199%	30%
24	MADHYA MAHARASHTRA	607%	92%	16%	76%	28%
1	AHMEDNAGAR	890%	-54%	30%	114%	45%
2	DHULE	1774%	200%	36%	130%	57%
3	JALGAON	91%	280%	25%	83%	35%
4	KOLHAPUR	1288%	123%	18%	83%	28%
5	NANDURBAR	2082%	-57%	-6%	37%	-1%
6	NASHIK	702%	115%	20%	71%	28%
7	PUNE	2607%	135%	4%	88%	20%
8	SANGLI	297%	47%	-10%	18%	2%
9	SATARA	622%	115%	17%	69%	29%
10	SHOLAPUR	-95%	94%	24%	59%	34%
25	MARATHWADA	57%	35%	48%	20%	44%
1	AURANGABAD	262%	99%	63%	42%	62%
2	BEED	370%	76%	67%	2%	59%
3	HINGOLI	-50%	-79%	8%	-19%	3%
4	JALNA	-85%	-24%	82%	18%	69%
5	LATUR	-25%	-100%	31%	30%	25%
6	NANDED	-69%	118%	31%	-5%	28%
7	OSMANABAD	211%	88%	35%	72%	45%
8	PARBHANI	16%	24%	65%	8%	56%
26	VIDARBHA	-72%	62%	3%	-4%	2%
1	AKOLA	-66%	-69%	4%	-3%	1%
2	AMRAOTI	-70%	121%	-7%	13%	-4%
3	BHANDARA	-74%	19%	-3%	-51%	-7%
4	BULDHANA	-54%	171%	6%	27%	11%
5	CHANDRAPUR	-86%	39%	3%	16%	3%
6	GADCHIROLI	-87%	21%	-13%	-10%	-13%
7	GONDIA	-45%	82%	-7%	-11%	-6%
8	NAGPUR	-57%	89%	14%	-48%	10%
9	WARDHA	-78%	129%	9%	-64%	6%

DISTRICT-WISE RAINFALL STATISTICS

S.No.	MET. SUBDIVISION/ UT/ STATE/DISTRICT (NAME)	Winter	Pre- Monsoon	SW- Monsoon	Post- Monsoon	Annual
10	WASHIM	-100%	192%	23%	65%	29%
11	YEOTMAL	-68%	29%	24%	-2%	21%
27	CHHATTISGARH	-40%	137%	-3%	20%	2%
1	BALOD	-17%	619%	-8%	73%	7%
2	BALODA BAZAR	-8%	122%	2%	43%	6%
3	BALRAMPUR	-48%	409%	-9%	3%	-1%
4	BASTAR	-73%	16%	-7%	31%	-2%
5	BEMETARA	64%	186%	17%	31%	24%
6	BIJAPUR	-47%	260%	-8%	6%	-2%
7	BILASPUR	-29%	13%	13%	2%	11%
8	DANTEWADA	-97%	697%	-7%	-35%	-5%
9	DHAMTARI	-69%	120%	-7%	49%	-2%
10	DURG	-30%	675%	4%	178%	23%
11	GARIABAND	-43%	159%	-2%	14%	4%
12	JANJGIR	-27%	45%	-2%	19%	0%
13	JASHPUR	-74%	46%	-23%	21%	-18%
14	KABIRDHAM	-36%	25%	19%	84%	23%
15	KANKER	-63%	126%	-21%	42%	-15%
16	KONDAGAON	21%	157%	-4%	-70%	-3%
17	KORBA	6%	238%	7%	26%	12%
18	KORIYA	-33%	501%	-8%	-18%	-2%
19	MAHASAMUND	-100%	143%	-12%	88%	-5%
20	MUNGELI	-48%	20%	16%	13%	14%
21	NARAYANPUR	66%	318%	7%	14%	19%
22	RAIGARH	-62%	24%	-22%	43%	-18%
23	RAIPUR	-69%	43%	-16%	102%	-9%
24	RAJNANDGAON	-51%	152%	1%	34%	5%
25	SUKMA	-78%	250%	39%	-20%	40%
26	SURAJPUR	-25%	381%	13%	-7%	19%
27	SURGUJA	-59%	86%	-24%	-37%	-23%
	ANDHRA PRADESH	48%	14%	19%	40%	26%
28	COASTAL A. P. & YANAM	-25%	-1%	20%	7%	13%
1	EAST GODAVARI	-86%	-8%	29%	-37%	6%
2	GUNTUR	-69%	-17%	33%	-10%	15%
3	KRISHNA	-81%	5%	28%	-13%	15%
4	PRAKASAM	-27%	27%	-8%	6%	1%
5	SPSR NELLORE	163%	-50%	-5%	45%	27%

DISTRICT-WISE RAINFALL STATISTICS

S.No.	MET. SUBDIVISION/ UT/ STATE/DISTRICT (NAME)	Winter	Pre- Monsoon	SW- Monsoon	Post- Monsoon	Annual
6	SRIKAKULAM	-74%	-10%	14%	47%	18%
7	VISHAKHAPATNAM	-97%	15%	37%	-30%	14%
8	VIZIANAGARAM	-87%	2%	36%	6%	22%
9	WEST GODAVARI	-98%	-1%	19%	-19%	6%
10	YANAM	-100%	-32%	5%	28%	9%
29	RAYALASEEMA	330%	39%	19%	110%	53%
1	ANANTAPURAMU	274%	57%	13%	156%	62%
2	CHITTOOR	201%	-17%	49%	86%	58%
3	KURNOOL	423%	53%	-11%	30%	7%
4	YSR DISTRICT	713%	78%	32%	168%	87%
30	TELANGANA	-76%	12%	39%	-24%	27%
1	ADILABAD	-89%	13%	61%	13%	53%
2	B. KOTHAGUDEM	-100%	57%	36%	13%	33%
3	HYDERABAD	-52%	69%	30%	31%	32%
4	J. BHUPALPALLY	-84%	35%	15%	-43%	8%
5	JAGTIAL	-92%	-78%	51%	-41%	31%
6	JANGAON	-99%	-28%	46%	-21%	29%
7	JOGULAMBA GADWAL	27%	53%	-13%	1%	-5%
8	KAMAREDDY	-54%	12%	57%	-27%	43%
9	KARIMNAGAR	-85%	-52%	76%	-21%	52%
10	KHAMMAM	-100%	-29%	25%	-45%	7%
11	KUMARAM BHEEM	-85%	46%	61%	-19%	51%
12	M. MALKAJGIRI	-85%	-21%	33%	-25%	18%
13	MAHABUBABAD	-79%	-34%	75%	-21%	52%
14	MAHABUBNAGAR	-83%	29%	27%	-33%	16%
15	MANCHERIAL	-94%	-42%	8%	-61%	-3%
16	MEDAK	-97%	-20%	28%	-42%	16%
17	MULUGU	-71%	105%	13%	-25%	12%
18	NAGARKURNOOL	-76%	46%	-5%	-12%	-3%
19	NALGONDA	-95%	9%	31%	-15%	18%
20	NARAYANPET	85%	115%	64%	2%	57%
21	NIRMAL	-53%	38%	73%	-18%	61%
22	NIZAMABAD	-83%	-28%	50%	-46%	35%
23	PEDDAPALLE	-89%	-57%	14%	-71%	0%
24	RAJANNA SIRCILLA	-55%	-38%	132%	0%	98%
25	RANGAREDDY	-28%	38%	22%	20%	22%
26	SANGAREDDY	-47%	13%	19%	-56%	9%
27	SIDDIPET	-91%	-76%	79%	-28%	51%

DISTRICT-WISE RAINFALL STATISTICS

S.No.	MET. SUBDIVISION/ UT/ STATE/DISTRICT (NAME)	Winter	Pre- Monsoon	SW- Monsoon	Post- Monsoon	Annual
28	SURYAPET	-100%	-7%	24%	-32%	11%
29	VIKARABAD	-71%	19%	28%	-33%	18%
30	WANAPARTHY	-90%	15%	-17%	-2%	-14%
31	WARANGAL_RURAL	-60%	1%	50%	-54%	33%
32	WARANGAL_URBAN	-58%	-12%	72%	-28%	52%
33	Y. BHUVANAGIRI	-34%	30%	96%	-42%	60%
31	TAMIL. PUDU.& KARAIKAL	439%	-4%	17%	59%	47%
	TAMILNADU	438%	-4%	17%	59%	47%
1	ARIYALUR	656%	-45%	15%	61%	51%
2	CHENGALPATTU	460%	-15%	-15%	76%	48%
3	CHENNAI	437%	-14%	9%	74%	58%
4	COIMBATORE	505%	76%	50%	97%	74%
5	CUDDALORE	727%	-6%	23%	68%	72%
6	DHARMAPURI	363%	-27%	-6%	46%	14%
7	DINDIGUL	577%	-12%	0%	25%	27%
8	ERODE	460%	8%	-1%	69%	40%
9	KALLAKURICHI	360%	-36%	6%	74%	43%
10	KANCHEEPURAM	443%	2%	6%	68%	45%
11	KANYAKUMARI	152%	134%	-13%	106%	69%
12	KARUR	727%	-59%	36%	60%	46%
13	KRISHNAGIRI	394%	-16%	0%	53%	20%
14	MADURAI	464%	-35%	18%	16%	20%
15	MAYILADUTHURAI	412%	-45%	11%	30%	37%
16	NAGAPATTINAM	312%	-37%	15%	23%	35%
17	NAMAKKAL	426%	-44%	1%	81%	29%
18	NILGIRIS	292%	66%	27%	33%	41%
19	PERAMBALUR	591%	0%	68%	82%	83%
20	PUDUKKOTTAI	616%	-47%	-3%	53%	39%
21	RAMANATHAPURAM	395%	-39%	3%	13%	27%
22	RANIPET	167%	25%	36%	86%	59%
23	SALEM	396%	-26%	20%	34%	22%
24	SIVAGANGA	578%	-13%	7%	56%	45%
25	TENKASI	155%	45%	-11%	60%	49%
26	THANJAVUR	545%	-39%	18%	46%	50%
27	THENI	238%	36%	52%	64%	62%
28	TIRUNELVELI	509%	39%	33%	71%	100%
29	TIRUPATTUR	78%	-19%	51%	115%	63%
30	TIRUPPUR	871%	-27%	2%	51%	39%
31	TIRUVALLUR	340%	-10%	19%	66%	51%

DISTRICT-WISE RAINFALL STATISTICS

S.No.	MET. SUBDIVISION/ UT/ STATE/DISTRICT (NAME)	Winter	Pre- Monsoon	SW- Monsoon	Post- Monsoon	Annual
32	TIRUVANNAMALAI	234%	-25%	34%	82%	54%
33	TIRUVARUR	609%	-30%	5%	39%	50%
34	TOOTHUKUDI	292%	-25%	41%	39%	44%
35	TRICHY	669%	-35%	28%	69%	56%
36	VELLORE	280%	24%	31%	61%	45%
37	VILLUPURAM	424%	3%	31%	119%	87%
38	VIRUDHUNAGAR	257%	1%	-9%	33%	26%
	PUDUCHERRY (UT)	541%	-36%	2%	59%	54%
1	KARAIKAL	257%	-55%	-15%	44%	39%
2	MAHE	1392%	87%	-22%	135%	11%
3	PUDUCHERRY	914%	-39%	14%	69%	70%
4	YANAM	-100%	-32%	5%	28%	9%
	KARNATAKA	599%	53%	3%	104%	27%
32	COASTAL KARNATAKA	2973%	194%	-10%	117%	11%
1	DAKSHINA KANNADA	2055%	137%	-20%	116%	5%
2	UDUPI	5817%	177%	-8%	147%	12%
3	UTTARA KANNADA	4355%	260%	-4%	104%	14%
33	N. I. KARNATAKA	141%	43%	21%	25%	25%
1	BAGALKOTE	113%	-3%	17%	-13%	8%
2	BELAGAVI	491%	70%	22%	75%	38%
3	BIDAR	-47%	-30%	31%	-20%	18%
4	DHARWAD	466%	60%	18%	62%	36%
5	GADAG	1833%	108%	7%	54%	41%
6	HAVERI	2641%	24%	5%	121%	38%
7	KALABURGI	-70%	62%	46%	-8%	38%
8	KOPPAL	165%	28%	30%	46%	34%
9	RAICHUR	-9%	10%	-8%	28%	2%
10	VIJAYAPURA	-88%	58%	13%	-35%	6%
11	YADGIR	-26%	-17%	9%	-18%	2%
34	S. I. KARNATAKA	738%	28%	3%	145%	39%
1	BALLARI	304%	28%	12%	70%	30%
2	BENGALURU RURAL	538%	-20%	25%	147%	54%
3	BENGALURU URBAN	281%	-11%	15%	172%	52%

DISTRICT-WISE RAINFALL STATISTICS

S.No.	MET. SUBDIVISION/ UT/ STATE/DISTRICT (NAME)	Winter	Pre- Monsoon	SW- Monsoon	Post- Monsoon	Annual
4	CHAMARAJANAGAR	58%	-25%	36%	84%	37%
5	CHIKABALLAPURA	373%	38%	12%	195%	70%
6	CHIKKAMAGALURU	2104%	46%	-3%	154%	24%
7	CHITRADURGA	1328%	67%	27%	177%	87%
8	DAVANGERE	1579%	31%	34%	146%	69%
9	HASSAN	1083%	34%	-20%	137%	25%
10	KODAGU	985%	82%	-15%	67%	6%
11	KOLAR	354%	34%	93%	165%	108%
12	MANDYA	344%	10%	20%	198%	77%
13	MYSURU	282%	-47%	-15%	185%	34%
14	RAMANAGARA	506%	18%	-20%	111%	26%
15	SHIVAMOGGA	3986%	108%	1%	115%	23%
16	TUMAKURU	443%	20%	4%	217%	70%
35	KERALA & MAHE	409%	107%	-16%	109%	23%
	KERALA	409%	107%	-16%	109%	23%
1	ALAPUZHA	123%	100%	-13%	58%	22%
2	CANNUR	1895%	127%	-22%	129%	11%
3	ERNAKULAM	449%	120%	-7%	92%	32%
4	IDUKKI	346%	80%	-19%	121%	17%
5	KASARGOD	4120%	79%	-19%	140%	7%
6	KOLLAM	117%	102%	-10%	110%	45%
7	KOTTAYAM	343%	143%	16%	127%	60%
8	KOZHIKODE	2565%	93%	-11%	129%	23%
9	MALAPPURAM	1187%	83%	-23%	71%	8%
10	PALAKKAD	326%	78%	-26%	106%	11%
11	PATHANAMTHITTA	371%	163%	4%	181%	78%
12	THIRUVANANTHAPURAM	158%	159%	-14%	81%	53%
13	THRISSUR	361%	92%	-21%	84%	11%
14	WYNAD	545%	70%	-32%	70%	-10%
1	MAHE	1392%	87%	-22%	135%	11%
36	LAKSHADWEEP	761%	153%	-22%	17%	21%

District-wise rainfall maps for the year 2021 and for the four seasons depicting the observed and normal rainfall values along with their percentage departure from Normal with colors defined for different categories are given below at Figure 111 to Figure 115.

DISTRICT-WISE RAINFALL STATISTICS

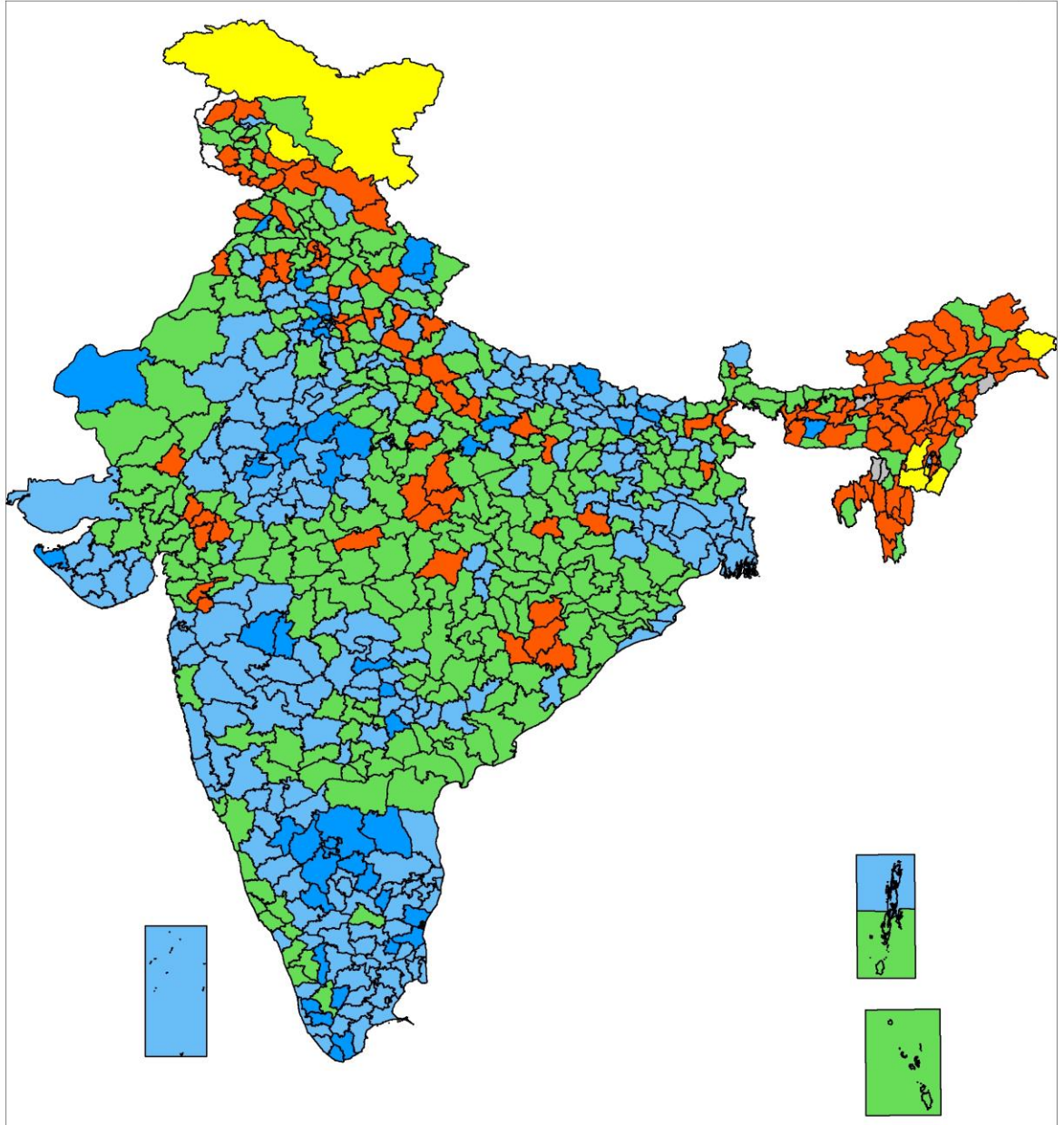


भारत मौसम विज्ञान विभाग
INDIA METEOROLOGICAL DEPARTMENT

जल मौसम विज्ञान प्रभाग, नई दिल्ली
HYDROMET DIVISION, NEW DELHI

DISTRICT RAINFALL MAP

Period : 01-01-2021 To 31-12-2021



DISTRICT-WISE RAINFALL STATISTICS

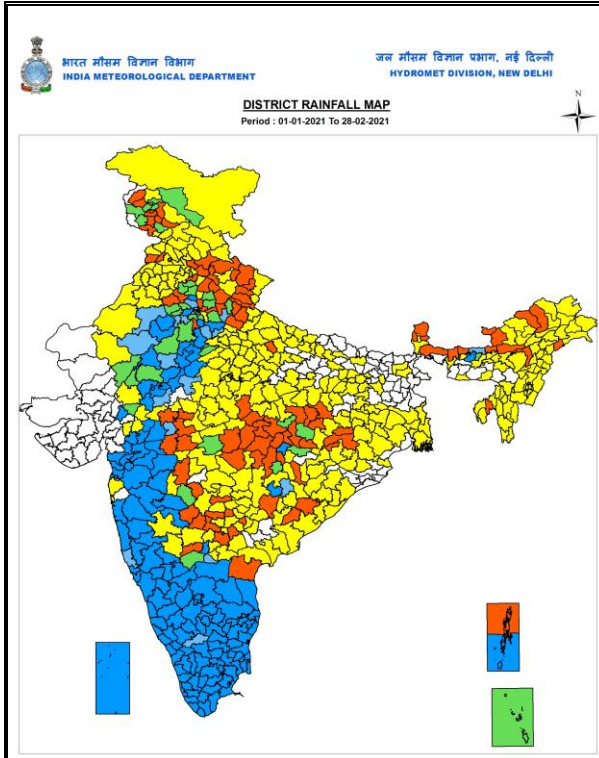


Figure 112: Winter Rainfall Map

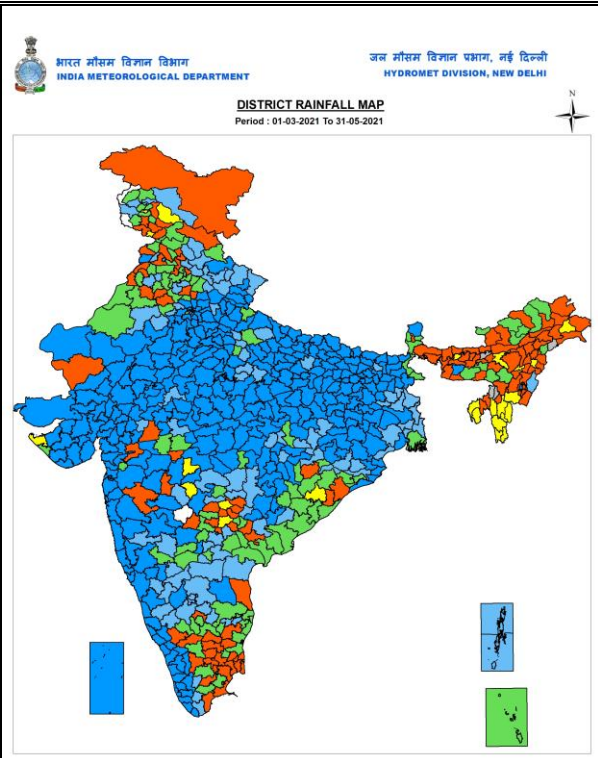


Figure 113: Pre-Monsoon Rainfall Map

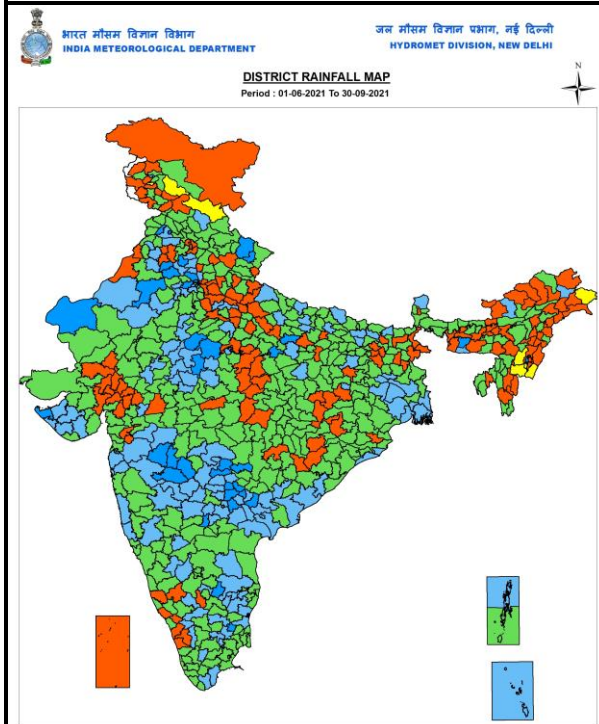


Figure 114: SW Monsoon Rainfall Map

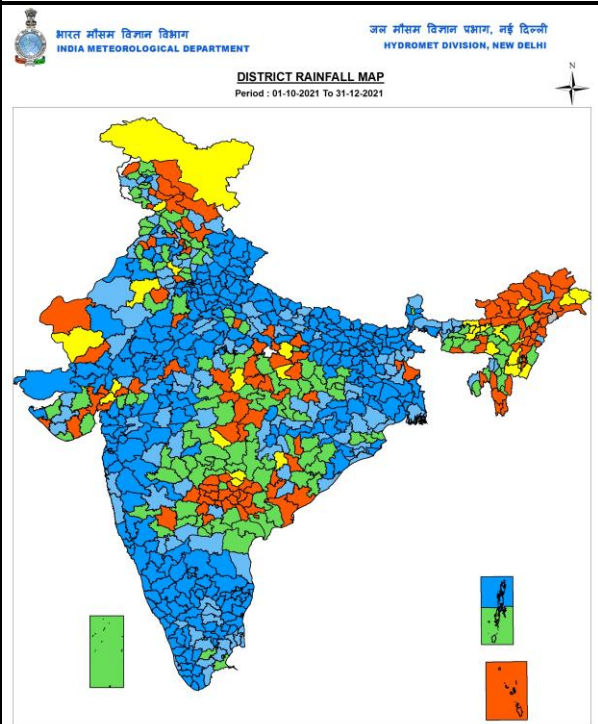


Figure 115: Post-Monsoon Rainfall Map

■ Large Excess [60% or more]
 ■ Excess [20% to 59%]
 ■ Normal [-19% to 19%]
 ■ Deficient [-59% to -20%]
 ■ Large Deficient [-99% to -60%]
 No Rain [-100%]
 No Data

NOTES :

- a) Rainfall figures are based on operation data.
- b) Small figures indicate actual rainfall (mm), while bold figures indicate Normal rainfall (mm).
- c) Percentage Departures of rainfall are shown in brackets.

DISTRICT-WISE RAINFALL STATISTICS

6.2 CATEGORY-WISE SEASONAL AND ANNUAL DISTRIBUTION

The category-wise seasonal and annual distribution of no. of districts of India has been given in Table 24 and a chart depicting the distribution is also given at Figure 106. It may be observed that out of the **695** districts, in Pre- Monsoon, Monsoon, Post Monsoon and annually more than **3/4th** of the districts experienced large excess, excess or normal rainfall, **8** districts during Monsoon and **28** districts during Post Monsoon were found to be in Large Deficient Category. Annually, only **7** districts were in Large deficient Rainfall Category. Winter season had more than 3/4th of the districts of the country “Below Normal” Rainfall.

Table 24: Category-wise Number of Districts - Seasonally and Annually - Year 2021

CATEGORY	WINTER	PRE-MONSOON	MONSOON	POST-MONSOON	ANNUAL
L. EXCESS	135	341	37	290	47
EXCESS	21	98	140	130	227
NORMAL	39	105	358	126	296
DEFICIENT	100	120	152	119	113
L. DEFICIENT	294	25	8	28	7
NO RAIN	105	2	0	1	0
NO DATA	1	4	0	1	5

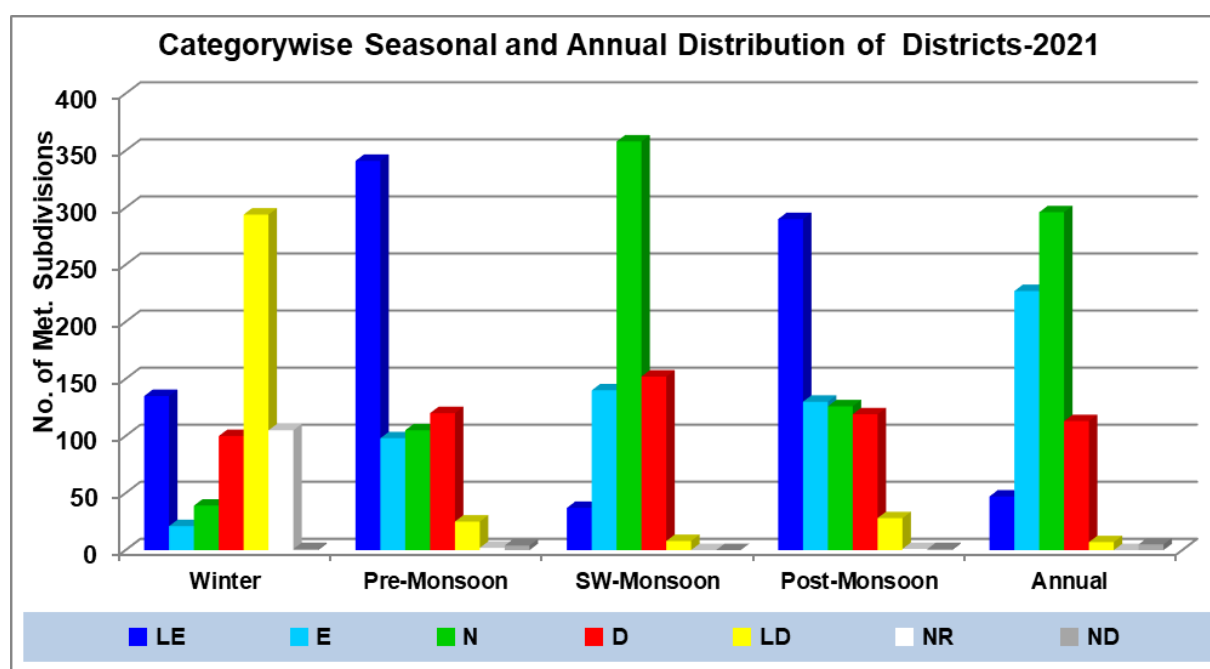


Figure 116: Category-wise Seasonal and Annual Distribution of No. of Districts – 2021

Distribution of districts of India in terms of their areas under different categories in the four seasons and for the year 2021 has been depicted in Figure 117.

DISTRICT-WISE RAINFALL STATISTICS

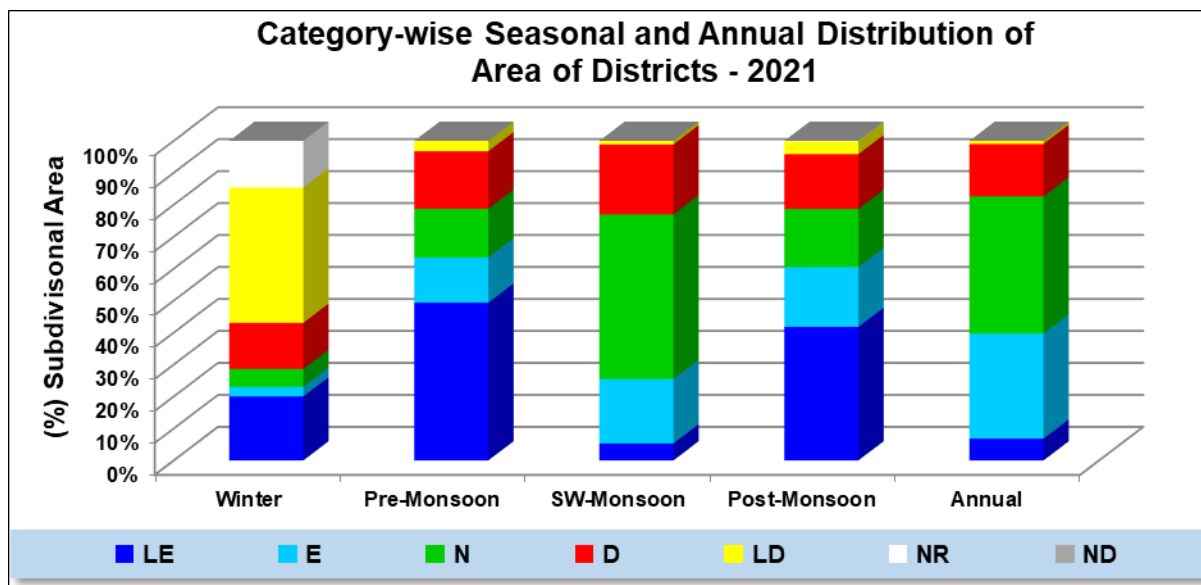


Figure 117: Category-wise distribution of Area of Districts – Seasonally and Annually – Year 2021

6.3 MONTHLY RAINFALL STATISTICS

The district-wise observed monthly rainfall is given in Table 25. Also, the percent departures of observed monthly rainfall from their Normal have been given in Table 26. The rainfall statistics in respect of the districts whose data is not available throughout the year have not been included in these tables.

Table 25: District-wise Monthly Rainfall (mm) – Year 2021

	MET. SUBDIVISION/ UT/ STATE/DISTRICT	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	A & N ISLAND	42.7	48.8	38.3	150.2	414.1	315.9	535.3	506.5	667.3	413.1	265.7	95.5
1	NICOBAR	104.0	42.0	119.0	163.8	277.1	227.0	372.1	473.1	444.7	333.6	248.3	63.9
2	NORTH & MIDDLE ANDAMAN	18.5	7.0	0.3	139.4	416.6	387.0	598.1	606.1	942.8	518.0	331.1	92.2
3	SOUTH ANDAMAN	31.2	98.7	30.0	153.5	496.1	293.1	567.6	418.6	504.3	347.8	205.2	118.7
2	ARUNACHAL PRADESH	29.1	12.7	98.4	183.7	296.5	377.3	266.8	508.7	141.2	124.6	13.9	16.8
1	ANJAW	12.0	20.8	108.9	159.0	286.9	87.5	164.5	163.3	37.1	36.3	6.8	7.7
2	CHANGLANG	2.8	6.4	30.7	63.2	217.5	323.3	231.8	306.0	16.7	52.4	10.4	27.2
3	DIBANG VALLEY	49.4	26.6	199.7	363.1	402.1	253.6	127.2	272.7	146.5	154.2	12.6	21.0
4	EAST KAMENG	1.0	0.0	2.1	9.4	377.9	436.8	317.1	779.8	192.9	116.0	21.4	5.2
5	EAST SIANG	26.0	1.0	104.6	127.8	405.2	881.5	250.3	1332.7	76.2	322.5	2.8	17.1
6	KURUNG KUMEY	16.9	40.4	189.4	271.0	263.6	210.6	245.0	208.6	165.6	104.0	24.2	4.6
7	LOHIT	5.3	3.7	29.7	57.0	265.6	256.9	90.4	428.6	58.1	73.7	8.3	13.6
8	LOWER DIBANG VALLEY	33.5	8.4	110.0	147.3	308.2	779.5	368.8	1209.1	107.5	172.1	26.5	27.7
9	LOWER SUBANSIRI	31.7	15.1	78.7	121.2	181.5	134.6	111.0	149.2	80.6	25.2	12.7	4.7
10	PAPUMPARA	22.4	12.0	85.8	163.0	434.5	721.0	411.1	554.8	267.1	91.7	3.1	0.9
11	TAWANG	29.6	11.6	90.0	100.6	249.3	214.9	333.2	225.4	193.0	115.4	45.4	0.0
12	TIRAP	32.0	28.2	19.5			434.5	237.8	269.1	75.4	73.2		

DISTRICT-WISE RAINFALL STATISTICS

	MET. SUBDIVISION/ UT/ STATE/DISTRICT	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
13	UPPER SIANG	35.2	12.8	198.2	548.1	361.7	480.6	285.3	807.8	228.7	159.4	14.9	36.4
14	UPPER SUBANSIRI	30.2	18.2	79.1	159.2	152.7	125.0	171.2	182.7	155.2	95.2	8.0	12.2
15	WEST KAMENG	26.5	2.5	25.3	30.4	220.2	248.2	413.2	346.7	225.6	134.0	9.2	9.0
16	WEST SIANG	46.4	14.9	116.8	146.6	245.5	388.9	342.6	502.9	100.4	87.5	21.2	17.6
3	ASSAM & MEGHALAYA	8.8	2.3	43.5	102.1	272.5	452.5	346.3	417.4	169.6	137.9	3.0	10.8
	ASSAM	11.1	2.8	40.7	76.6	220.7	379.8	305.6	296.1	168.5	120.2	3.9	10.9
1	BAKSA	32.6	10.0	40.3	115.3	228.7	542.3	282.9	295.8	217.4	37.6	0.0	0.0
2	BARPETA	55.5	11.2	28.7	98.1	267.1	843.9	442.3	463.7	214.2	196.4	5.7	0.3
3	BONGAIGAON	4.2	3.0	32.8	124.2	107.6	316.0	334.0	428.4	283.0	297.6	4.0	0.0
4	CACHAR	7.6	0.0	79.0	110.4	428.7	505.6	489.7	526.2	189.7	161.2	0.2	69.7
5	CHIRANG	16.0	2.8	32.6	104.4	250.6	840.0	617.4	563.2	237.0	261.0	1.4	0.0
6	DARRANG	2.0	0.0	4.0			283.0	193.3	110.5	255.2	50.7	2.0	0.0
7	DHEMAJI	13.0	4.8	31.9	120.4	261.6	775.9	380.7	360.7	71.0	123.0	7.3	12.7
8	DHUBRI	0.2	0.0	37.8	83.5	250.0	238.9	357.9	478.8	119.1	274.3	0.0	0.9
9	DIBRUGARH	14.3	2.5	42.2	69.7	290.1	371.4	241.5	354.1	136.8	67.2	8.8	20.6
10	GOALPARA	0.0	0.0	30.4	71.8	267.7	610.9	411.3	233.4	160.2	206.1	0.0	0.5
11	GOLAGHAT	17.1	8.6	34.1	34.5	191.2	236.7	359.0	166.5	163.0	85.5	14.3	9.3
12	HAILAKANDI	12.6	0.0		119.2	337.2	304.7	386.0	398.7	190.0	202.6	0.0	62.5
13	JORHAT	4.9	0.9	36.1	43.3	271.8	314.3	239.8	284.0	144.3	97.3	20.3	13.4
14	KAMRUP (RURAL)	2.8	0.2	22.7	63.4	165.6	401.0	152.7	133.4	157.6	22.0	0.0	0.0
15	KAMRUP METRO.	0.0	6.1	61.1	108.5	108.4	229.2	184.7	102.9	192.2	85.8	0.0	0.4
16	KARBI ANGLONG	0.0	2.3	39.6	39.2	96.7	110.7	259.1	161.7	171.7	93.0	0.0	12.3
17	KARIMGANJ	5.6	0.0	28.4		519.4	445.9	580.2	651.0	163.0	251.9	0.0	57.3
18	KOKRAJHAR	16.9	0.0	75.1	120.6	195.0	801.0	612.4	602.9	314.8	322.4	1.8	1.4
19	LAKHIMPUR	21.6	7.0	43.0	68.2	310.1	650.7	504.8	507.6	180.6	103.0	6.1	6.8
20	MORIGAON	0.0	7.2	33.6	41.2	144.9	206.0	161.6	195.2	206.5	126.8	0.0	0.4
21	N. C. HILLS	0.0	0.0	83.9	169.5	238.5	307.5	56.3	218.4	70.2	196.0	0.0	7.8
22	NAGAON	1.5	2.6	19.7	25.1	88.0	146.5	155.1	143.6	93.4	48.2	0.0	1.5
23	NALBARI	29.8	7.7	29.9	83.9	231.8	675.7	338.3	280.7	193.7	31.6	0.0	0.0
24	SHONITPUR	24.2	2.2	34.3	37.3	151.3	384.1	264.5	252.8	183.0	63.1	6.0	0.0
25	SIBSAGAR	8.8	0.0	42.7	36.4	256.7	306.6	467.9	193.7	136.3	43.6	16.3	9.4
26	TINSUKIA	16.1	0.0	41.1	89.9	315.2	319.8	207.1	420.0	104.6	51.5	6.8	13.1
27	UDALGURI	14.4	1.9	41.4	53.6	218.1	300.2	346.9	144.8	212.8	58.6	0.8	0.0
	MEGHALAYA	0.5	0.7	53.4	190.1	456.0	721.3	496.8	865.9	173.6	203.4	0.0	10.3
1	EAST GARO HILLS	0.0	0.0	37.6	198.0	1175.3	1123.4	470.0	921.8	190.8	213.2	0.0	1.0
2	EAST KHASI HILLS	3.9	2.5	73.2	198.1	469.9	1468.6	814.3	1722.8	203.7	190.7	0.0	13.1
3	JAINTIA HILLS	0.0	0.0	79.3	562.1	291.7	745.9	588.9	983.9	165.4	247.6	0.0	30.7
4	RI-BHOI	0.0	0.0	20.3	38.8	294.4	263.7	314.0	413.1	226.4	187.5	0.0	18.4
5	SOUTH GARO HILLS	0.0	4.4	28.2	62.6	370.6	873.6	623.8	716.8	154.2	83.6	0.0	0.0
6	WEST GARO HILLS	0.0	0.0	20.8	60.0	360.5	376.7	368.4	346.6	179.8	204.2	0.0	0.0
7	WEST KHASI HILLS	0.0	0.0	79.2	117.0	382.4	509.6	405.5	928.2	133.7	221.9	0.0	5.8
4	NMMT	5.8	0.9	36.4	41.5	138.8	240.6	267.1	266.6	189.7	88.9	10.6	53.5
	NAGALAND	5.5	1.8	37.9	36.5	136.7	230.7	231.5	239.4	139.5	74.6	2.1	16.8
1	DIMAPUR	2.3	1.2	46.9	33.1	66.1	102.7	225.1	126.6	142.9	48.9	0.0	11.4
2	KEPHIRE	4.5	0.0	29.8	14.8	54.5	113.3	172.7	249.1	44.1	107.6	0.0	18.4
3	KOHIMA	1.0	0.0	35.3	52.3	102.7	173.5	230.3	183.9	162.4	94.2	0.0	16.0
4	LONGLENG	2.8	10.3	80.7	32.6	200.9	271.8	255.1	293.2	138.1	65.7	5.8	34.2

DISTRICT-WISE RAINFALL STATISTICS

	MET. SUBDIVISION/ UT/ STATE/DISTRICT	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
5	MOKOKCHUNG	11.0	7.1	60.9	56.6	211.9	303.0	407.4	267.9	269.0	80.0	9.1	14.3
6	MON	10.0	3.0	42.6	38.3	278.9	404.0	198.2	142.8	68.6	60.6	13.0	16.5
7	PAREN	0.3	0.0	41.1	55.0	103.1	176.3	255.3	190.7	156.4	107.5	0.0	17.2
8	PHEK	5.1	1.4	37.3	29.6	84.8	122.0	128.5	237.0	55.9	53.1	0.0	13.1
9	TUENSANG	8.5	0.0	43.5	25.6	133.6	267.9	203.8	265.2	115.4	66.7	0.0	11.0
10	WOKHA	2.9	6.7	30.9	30.9	147.2	219.9	311.2	341.2	295.4	83.4	0.0	27.7
11	ZUNHEBOTO	1.0	1.1	1.2	48.5	136.9	308.5	275.8	336.3	124.5	74.4	0.0	36.1
	MANIPUR	8.5	1.6	37.6	57.0	131.1	174.2	132.8	170.0	83.9	74.2	4.2	38.5
1	BISHNUPUR	0.9	1.2	30.6	24.4	125.4	155.0	117.4	161.9	33.5	43.0	5.8	40.5
2	CHANDEL	0.4	1.4	4.5	12.2	118.4	161.3	110.9	108.5	110.1	33.7	12.2	14.0
3	CHURACHANDPUR	13.4	2.5	25.4	44.5	64.5	91.0	85.8	100.9	88.5	45.0	4.6	34.5
4	IMPHAL EAST	5.8	0.0	49.8	44.8	118.2	110.3	136.0	237.8	76.6	41.4	0.2	57.6
5	IMPHAL WEST	13.4	0.0	66.1	69.6	381.3	517.8	358.7	494.6	165.7	139.5	0.0	33.3
6	SENAPATI	9.4	0.8	71.7	88.4	118.0	178.9	88.7	159.7	88.8	94.2	0.0	54.0
7	TAMENGLONG	17.0	0.0	103.3	118.9	387.5	734.2	278.6	588.3	80.1	119.2	0.0	45.7
8	THOUBAL	1.1	2.2	39.6	39.4	102.4	140.7	140.0	181.5	113.1	36.8	1.6	57.9
9	UKHRUL	10.2	2.0	44.8	85.8	194.2	240.6	202.3	243.7	50.7	124.0	2.1	44.5
	MIZORAM	2.9	0.0	26.6	37.5	120.8	284.5	348.6	337.9	300.3	105.7	22.4	65.8
1	AIZWAL	5.8	0.0	25.7	60.3	139.7	199.5	253.7	464.0	316.8	124.8	62.8	82.4
2	CHAMPHAI	2.1	0.3	10.6	27.9	48.3	275.2	272.9	255.4	160.0	70.7	21.1	67.6
4	KOLASIB	5.4	0.0	74.3	61.4	161.5	379.5	459.9	465.0	375.2	108.2	4.7	106.5
5	LAWNGTLAI	0.5	0.0	12.3	20.7	133.2	340.7	417.6	354.7	393.0	125.1	8.9	33.4
6	LUNGLEI	1.8	0.0	24.4	24.6	118.7	266.9	287.0	219.7	296.5	94.3	11.5	59.1
7	MAMIT	2.5	0.0	49.8	57.7	122.3	255.4	395.2	386.9	316.5	81.5	10.5	82.0
8	SAIHA	3.6	0.0	3.2	24.3	165.5	396.0	705.3	406.0	408.7	179.4	4.0	50.6
9	SERCHHIP	2.9	0.0	26.0	20.5	132.9	333.5	271.7	261.2	205.3	112.4	42.6	41.0
	TRIPURA	7.5	0.0	51.5	31.3	191.2	283.4	393.7	335.0	234.0	104.6	12.2	116.5
1	DHALAI	21.0	0.0	62.6	41.2	183.2	210.0	214.5	399.8	205.0	83.9	7.1	92.2
2	NORTH TRIPURA	5.0	0.0	112.7	43.6	207.1	225.8	393.6	361.3	224.1	96.6	3.5	87.4
3	SOUTH TRIPURA	1.1	0.0	3.6	15.7	154.9	420.4	514.3	346.4	267.1	91.9	29.9	135.7
4	WEST TRIPURA	3.2	0.0	19.0	22.7	209.1	301.0	458.2	247.4	244.1	138.8	11.8	150.7
5	SHWB & SIKKIM	8.5	12.8	57.5	103.5	306.3	469.9	491.3	618.5	237.9	291.6	7.1	11.8
	SIKKIM	22.4	46.5	182.2	237.1	409.5	489.5	515.0	519.3	274.1	301.6	16.5	29.6
1	EAST SIKKIM	16.0	21.9	92.3	158.2	354.4	543.2	468.7	542.7	242.4	327.2	5.4	22.6
2	NORTH SIKKIM	31.9	64.5	263.1	336.7	488.2	528.1	531.2	565.6	316.1	302.7	25.2	34.3
3	SOUTH SIKKIM	2.6	14.4	35.3	74.4	258.2	352.8	421.9	412.0	153.2	211.5	0.9	22.8
4	WEST SIKKIM	6.1	21.9	57.0	45.5	266.4	394.0	554.1	401.3	225.8	334.9	3.9	22.7
	WEST BENGAL	1.0	1.0	7.8	31.6	261.5	394.3	435.8	358.6	424.2	214.2	20.5	52.2
1	COOCH BEHAR	0.0	0.0	31.0	88.3	260.5	482.6	722.0	707.1	306.5	380.8	0.0	1.0
2	DARJEELING	12.2	2.6	17.2	69.4	309.7	584.3	722.1	876.8	356.6	385.9	21.2	15.8
3	JALPAIGURI	7.8	5.1	33.2	113.1	229.8	672.2	623.9	1014.0	332.7	288.8	3.7	1.7
4	MALDA	0.0	0.0	1.7	6.4	385.0	242.6	203.4	269.8	66.3	160.7	0.0	8.4
5	NORTH DINAJPUR	0.0	0.0	0.0	6.0	236.8	217.5	291.7	354.1	78.1	273.3	0.0	8.8
6	SOUTH DINAJPUR	0.0	0.0	0.3	22.5	222.0	397.4	130.5	284.2	97.1	243.9	0.0	4.1
6	GANGETIC WEST BENGAL	0.1	0.7	4.8	22.3	257.7	371.6	420.2	263.2	488.9	189.9	25.9	67.3
1	BANKURA	0.0	2.0	9.3	53.2	254.7	440.7	481.0	151.2	466.0	195.0	38.1	54.8

DISTRICT-WISE RAINFALL STATISTICS

	MET. SUBDIVISION/ UT/ STATE/DISTRICT	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
2	BIRBHUM	0.0	0.0	9.4	25.3	208.9	309.6	302.7	247.4	211.3	154.5	45.6	7.4
3	BURDWAN	0.0	0.4	9.0	27.1	182.6	407.5	398.8	253.4	361.1	144.1	59.2	51.5
4	EAST MIDNAPORE	0.0	0.0	0.0	15.3	323.9	384.2	422.5	326.2	811.9	291.6	4.3	79.7
5	HOOGLHY	0.0	1.1	0.0	22.6	273.3	322.4	335.0	265.6	318.3	151.9	24.5	140.6
6	HOWRAH	0.0	0.6	0.0	9.6	248.7	331.2	517.5	291.5	579.4	149.9	5.9	109.2
7	KOLKATA	0.0	1.5	0.0	44.7	391.4	401.8	525.2	229.0	613.8	144.3	2.1	97.7
8	MURSHIDABAD	0.0	0.0	2.0	19.9	235.6	318.6	291.8	229.8	149.0	74.3	10.2	2.5
9	NADIA	0.0	0.2	3.3	10.3	283.9	255.8	235.9	225.6	228.2	103.3	32.8	110.0
10	NORTH 24 PARGANAS	0.0	1.2	0.0	3.3	351.9	386.1	547.2	357.5	501.1	212.1	12.5	127.1
11	PURULIA	0.2	1.5	17.4	9.5	310.0	341.1	412.6	211.0	380.2	178.3	52.8	25.8
12	SOUTH 24 PARGANAS	0.0	0.1	0.0	11.1	218.1	491.7	545.1	379.7	695.4	292.1	4.0	64.2
13	WEST MIDNAPORE	0.3	1.4	2.2	34.1	270.4	308.8	425.8	232.9	766.6	202.1	13.9	102.4
7	ODISHA	1.3	2.9	5.1	26.0	157.5	181.3	275.0	204.9	384.0	80.4	53.7	48.8
1	ANGUL	0.0	0.5	3.9	6.8	149.2	145.7	262.1	131.6	432.9	48.3	33.8	40.8
2	BALASORE	0.0	0.0	0.4	36.3	312.6	221.0	258.1	246.5	502.7	204.2	2.0	65.4
3	BARGARH	1.9	2.7	5.0	2.4	55.5	210.0	321.1	143.8	338.4	45.3	12.9	78.7
4	BHADRAK	0.6	0.0	4.0	25.7	491.2	101.9	168.3	154.4	425.0	125.6	21.6	55.0
5	BOLANGIR	0.0	1.8	0.5	1.5	57.8	124.2	276.5	137.3	346.1	43.7	21.9	17.2
6	BOUDHGARH	0.0	0.0	0.5	17.1	76.9	123.4	358.0	100.8	474.0	31.7	19.7	65.3
7	CUTTACK	0.0	0.0	11.3	21.5	185.2	255.7	259.7	273.3	573.5	89.9	55.6	69.1
8	DEOGARH	4.9	6.2	20.6	53.7	264.2	195.3	324.0	186.4	351.0	81.1	38.1	75.1
9	DHENKANAL	0.1	0.0	6.4	26.6	178.2	196.5	309.8	159.6	529.3	61.5	40.0	49.2
10	GAJAPATI	10.9	0.2	4.0	83.9	94.7	109.2	198.8	208.9	365.9	170.7	128.0	44.9
11	GANJAM	1.3	0.6	1.5	17.7	83.6	84.3	215.2	211.0	366.1	128.7	249.1	79.6
12	JAGATSINGHPUR	0.0	0.0	1.5	17.6	360.0	222.6	256.3	258.1	693.0	132.3	102.6	201.5
13	JAJPUR	0.0	0.0	1.7	23.4	385.1	178.5	146.5	170.7	583.2	112.9	28.0	59.6
14	JHARSUGUDA	10.0	8.8	11.0	7.8	154.3	220.0	209.1	157.8	232.0	29.4	23.3	63.4
15	KALAHANDI	0.0	4.1	0.0	11.1	64.7	159.2	276.6	194.3	270.3	22.8	33.1	7.8
16	KANDHAMAL	0.0	4.4	0.0	24.0	103.6	135.3	331.5	149.3	386.9	53.0	78.3	33.7
17	KENDRAPARA	0.0	0.0	0.0	24.5	420.7	258.3	225.3	220.8	495.5	126.3	102.2	136.0
18	KEONJHARGARH	0.8	4.2	7.9	37.1	329.5	148.8	244.1	178.1	365.2	87.3	31.6	59.4
19	KHURDA	0.0	0.0	0.7	0.9	148.3	192.2	257.4	290.7	458.4	77.1	86.6	78.1
20	KORAPUT	0.6	7.2	7.6	62.0	84.2	285.7	242.7	329.1	355.9	68.9	66.0	7.1
21	MALKANGIRI	0.0	5.3	0.0	113.7	40.5	187.6	327.0	421.0	306.0	116.5	49.5	0.0
22	MAYURBHANJ	0.0	0.6	5.5	32.2	299.6	191.7	332.4	222.2	453.1	148.5	15.1	57.6
23	NAWAPARA	0.0	2.9	0.0	5.1	62.4	179.7	321.8	153.9	331.7	13.1	9.8	11.4
24	NAWARANGPUR	2.1	1.1	4.4	40.0	71.4	175.6	263.9	320.5	217.3	41.2	33.7	0.5
25	NAYAGARH	0.0	0.0	10.1	18.4	99.3	147.9	315.5	231.5	507.7	66.5	114.2	68.3
26	PURI	0.0	0.0	0.1	6.0	176.7	228.4	229.9	173.0	606.8	69.5	76.0	119.4
27	RAYAGADA	1.1	2.7	3.8	19.6	22.8	137.4	212.6	239.3	286.7	69.9	52.7	21.6
28	SAMBALPUR	6.2	4.9	10.3	7.3	126.3	210.4	311.4	134.4	265.2	43.8	28.9	66.4
29	SONEPUR	0.0	4.0	4.3	4.6	57.9	202.8	335.8	136.9	449.8	38.1	15.9	41.2
30	SUNDARGARH	3.1	10.9	16.3	10.1	225.9	259.9	298.7	151.3	301.4	97.2	40.9	48.0
8	JHARKHAND	1.0	2.6	9.3	7.3	223.9	266.8	319.5	200.0	255.2	111.7	24.0	23.5
1	BOKARO	0.0	1.1	8.7	3.4	166.8	253.4	338.3	161.7	279.4	145.5	32.4	29.2
2	CHATRA	0.0	0.0	14.5	3.8	154.9	186.6	271.7	124.3	130.4	50.1	1.6	14.6
3	DEOGHAR	0.0	0.0	3.5	9.6	118.4	316.1	223.6	243.8	253.4	200.1	2.3	5.9

DISTRICT-WISE RAINFALL STATISTICS

	MET. SUBDIVISION/ UT/ STATE/DISTRICT	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
4	DHANBAD	0.0	0.0	14.0	5.8	165.9	446.4	372.5	170.0	367.5	144.0	38.9	20.0
5	DUMKA	0.0	0.0	1.2	8.0	141.2	308.9	295.3	269.4	195.0	163.4	5.4	4.7
6	EAST SINGBHUM	2.8	3.6	24.0	22.4	400.5	263.8	390.6	338.2	300.0	121.0	41.9	48.0
7	GARHWA	3.4	0.0	0.0	4.6	108.4	203.0	222.2	164.8	187.0	58.1	0.0	7.6
8	GIRIDIH	0.0	0.0	4.0	1.7	136.3	346.4	271.4	179.3	199.0	164.1	6.8	27.0
9	GODDA	0.0	0.0	0.0	12.4	157.6	180.6	233.4	205.9	99.8	130.9	0.0	18.3
10	GUMLA	2.0	8.0	9.5	2.5	146.9	199.6	234.1	115.0	222.9	45.1	49.0	10.9
11	HAZARIBAG	0.0	0.2	7.5	2.5	349.6	346.9	414.8	172.4	289.1	124.2	6.0	36.8
12	JAMTARA	0.0	0.0	0.0	3.0	161.3	522.4	405.1	234.0	371.2	162.7	8.5	11.1
13	KHUNTI	3.6	3.3	21.0	8.7	290.2	226.5	302.9	217.7	299.5	74.0	41.3	18.0
14	KODERMA	0.5	0.1	2.3	1.8	249.7	335.2	320.5	132.1	210.2	164.3	0.0	26.0
15	LATEHAR	0.0	0.0	8.3	1.2	153.0	271.3	443.7	222.8	240.5	32.8	8.5	27.5
16	LOHARDAGA	4.0	6.6	9.1	0.0	304.9	366.3	531.6	262.3	280.0	43.3	21.3	2.6
17	PAKUR	0.0	0.0	1.3	11.0	153.7	256.7	244.4	227.1	81.7	76.8	0.0	0.0
18	PALAMU	4.2	0.0	0.3	0.6	174.7	272.5	190.6	220.3	170.1	66.2	0.0	20.1
19	RAMGARH	0.0	1.6	8.6	2.0	397.6	253.0	482.6	167.5	273.8	123.8	25.5	30.9
20	RANCHI	0.0	7.8	11.9	7.0	274.9	244.6	461.4	217.9	290.0	67.5	38.6	19.1
21	SAHIBGANJ	0.0	0.0	0.0	17.5	486.3	361.2	407.3	363.8	143.4	167.0	0.0	2.0
22	SERAIKELA- KHARSAWAN	0.0	4.3	23.3	7.9	318.1	206.5	259.6	197.7	314.3	101.5	31.3	33.0
23	SIMDEGA	0.4	16.8	32.5	19.0	144.7	326.1	225.7	198.9	295.8	61.7	97.5	23.5
24	WEST SINGBHUM	1.1	0.7	8.3	13.8	282.6	163.9	290.9	175.0	369.5	203.2	40.4	47.8
9	BIHAR	0.2	0.5	1.4	5.0	259.6	354.3	258.3	328.7	103.0	189.6	0.0	12.0
1	ARARIA	0.0	0.0	0.0	16.9	324.6	273.8	373.2	419.6	75.6	224.7	0.0	2.1
2	ARWAL	0.0	2.9	0.0	0.0	178.2	252.9	124.3	230.1	49.1	53.2	0.0	10.9
3	AURANGABAD	0.4	1.2	0.0	0.0	134.0	269.9	145.8	295.9	111.2	118.0	0.0	19.4
4	BANKA	0.0	0.0	0.0	3.4	172.8	226.6	225.8	213.1	123.3	134.6	0.0	6.3
5	BEGUSARAI	0.0	0.0	0.0	0.0	254.4	383.4	134.8	183.3	69.3	222.7	0.0	8.8
6	BHABUA	0.0	6.8	0.0	0.7	155.0	416.3	149.8	299.1	153.8	114.6	0.0	10.9
7	BHAGALPUR	0.0	0.0	1.2	0.0	269.5	372.7	281.1	139.1	142.4	221.8	0.0	14.1
8	BHOJPUR	0.0	1.1	0.0	2.8	168.0	267.8	141.4	248.9	99.8	119.4	0.0	11.8
9	BUXAR	0.0	0.0	0.0	4.1	190.8	264.1	173.2	279.4	92.2	187.6	0.0	7.9
10	DARBHANGA	0.0	0.0	0.0	11.6	276.6	431.0	317.2	439.2	57.1	243.8	0.0	6.0
11	EAST CHAMPARAN	0.0	0.0	0.0	10.4	276.1	356.5	240.3	474.4	56.6	205.9	0.0	19.3
12	GAYA	1.4	0.4	0.5	0.5	224.9	333.8	249.6	328.8	163.6	100.9	0.0	26.9
13	GOPALGANJ	0.0	0.2	0.0	3.6	231.2	359.3	238.8	298.5	114.0	270.6	0.0	27.8
14	JAHANABAD	0.7	1.9	0.0	0.8	235.2	312.4	176.8	203.6	82.3	131.5	0.0	11.3
15	JAMUI	0.5	0.0	0.0	1.1	245.1	310.7	150.0	127.3	130.0	175.1	0.0	4.8
16	KATIHAR	0.2	0.2	0.0	4.1	400.2	327.4	238.1	339.6	57.3	217.9	0.0	4.1
17	KHAGARIA	0.0	0.0	0.0	0.0	215.6	403.8	244.2	220.1	90.3	237.8	0.0	11.4
18	KISHANGANJ	0.0	0.0	14.8	6.4	387.6	325.1	496.1	631.7	148.4	328.5	0.0	2.0
19	LAKHISARAI	0.0	0.0	0.0	0.0	272.2	260.6	106.9	144.0	69.7	155.5	0.0	15.3
20	MADHEPURA	0.0	0.0	0.0	8.7	346.5	262.7	309.5	341.1	98.5	221.3	0.0	7.8
21	MADHUBANI	0.0	0.0	0.0	5.8	336.7	288.5	477.7	342.5	53.1	219.6	0.0	4.5
22	MONGHYR	0.2	0.1	0.0	0.5	237.4	343.5	189.0	173.6	96.1	168.2	0.0	14.0
23	MUZAFFARPUR	0.0	0.1	0.0	14.9	298.7	295.6	235.0	613.1	95.6	267.0	0.0	5.8
24	NALANDA	0.0	1.4	0.0	0.7	308.2	319.9	159.7	219.8	108.2	133.9	0.0	13.8

DISTRICT-WISE RAINFALL STATISTICS

	MET. SUBDIVISION/ UT/ STATE/DISTRICT	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
25	NAWADA	1.6	0.0	0.3	0.0	194.1	341.7	238.7	154.8	135.8	222.2	0.0	11.0
26	PATNA	0.0	1.0	0.0	0.0	192.5	349.1	162.4	178.2	93.6	109.0	0.0	13.7
27	PURNEA	0.1	0.0	0.0	17.3	363.7	219.1	241.3	305.0	63.0	201.0	0.0	3.2
28	ROHTAS	0.0	1.4	0.0	4.2	157.2	305.0	147.8	308.6	104.2	122.9	0.0	5.5
29	SAHARSA	0.0	0.0	0.0	0.0	252.0	302.7	243.9	270.0	84.2	214.2	0.0	9.1
30	SAMASTIPUR	0.0	0.0	0.0	0.0	234.8	459.7	241.2	308.0	96.5	302.4	0.0	3.5
31	SARAN	0.0	0.0	0.0	0.0	248.3	405.1	214.0	286.5	124.3	173.0	0.0	6.0
32	SHEIKHPURA	0.0	0.0	0.0	1.4	216.6	278.5	159.2	191.3	92.3	285.3	0.0	11.3
33	SHEOHAR	0.0	0.0	0.0	8.6	200.0	243.2	226.0	343.4	44.8	138.9	0.0	7.6
34	SITAMARHI	0.0	0.0	4.2	15.6	287.6	320.3	332.2	416.6	42.4	123.9	0.0	10.9
35	SIWAN	0.0	0.0	0.0	0.0	262.0	386.2	229.7	361.3	154.1	235.8	0.0	25.3
36	SUPAUL	0.0	0.0	0.0	12.2	298.5	383.8	450.9	516.9	80.5	309.7	0.0	9.0
37	VAISHALI	0.0	0.0	0.0	0.0	299.5	377.8	272.7	507.3	127.3	253.7	0.0	12.3
38	WEST CHAMPARAN	0.0	0.0	17.5	12.5	362.7	790.8	558.1	532.7	142.0	174.0	0.0	31.1
	UTTAR PRADESH	5.5	2.0	0.5	2.5	92.7	151.5	212.8	214.2	170.7	89.3	0.1	4.3
10	EAST UTTAR PRADESH	0.3	1.4	0.4	3.3	111.4	203.9	203.6	260.3	199.9	87.4	0.0	6.2
1	AMBEDKAR NAGAR	0.0	0.0	0.0	0.0	185.6	231.3	289.9	344.2	277.9	44.6	0.0	7.5
2	AMETHI	0.0	0.9	0.0	0.5	90.8	162.2	96.8	119.1	302.5	54.6	0.0	1.9
3	AYODHYA	0.0	0.0	0.7	0.0	132.8	224.4	126.7	224.4	363.5	76.5	0.0	17.8
4	AZAMGARH	0.0	0.0	0.0	0.0	45.9	215.4	90.5	239.1	274.3	180.7	0.0	8.2
5	BAHRAICH	0.4	1.4	0.0	8.4	157.8	277.8	358.5	332.1	132.9	83.4	0.0	13.0
6	BALLIA	0.0	1.3	0.0	6.5	138.6	204.8	211.4	246.9	127.7	191.1	0.0	7.0
7	BALRAMPUR	0.0	4.6	0.0	4.6	253.6	264.0	257.2	489.3	117.6	74.6	0.0	21.1
8	BANDA	1.3	2.7	1.5	0.0	30.1	91.1	298.1	244.1	128.0	31.0	0.0	0.0
9	BARABANKI	0.1	1.5	1.0	15.0	102.2	271.6	222.3	305.5	304.3	99.4	0.1	11.2
10	BASTI	0.0	1.2	0.0	4.2	166.5	193.9	133.4	405.2	269.7	60.8	0.0	4.4
11	CHANDAULI	0.0	0.0	0.0	0.5	87.6	114.5	83.2	77.0	72.5	92.5	0.0	9.0
12	CHITRAKOOT	0.0	0.0	0.0	0.0	102.0	370.8	354.6	352.5	383.8	0.0	0.0	0.0
13	DEORIA	0.0	3.0	0.0	2.5	205.8	289.8	240.5	313.5	203.5	151.5	0.0	16.5
14	FARRUKHABAD	0.0	0.3	0.0	0.9	32.9	32.0	151.2	80.9	127.3	150.5	0.0	0.0
15	FATEHPUR	0.0	1.0	1.8	0.0	37.7	46.4	236.5	168.9	267.9	85.3	0.0	0.0
16	GHAZIPUR	0.0	0.0	0.0	1.6	80.0	178.2	104.1	290.6	140.5	213.1	0.0	9.1
17	GONDA	0.0	2.2	0.0	11.0	151.1	280.2	235.2	309.5	236.3	72.6	0.0	13.3
18	GORAKHPUR	0.0	1.3	0.0	7.3	299.5	285.2	357.2	394.9	199.5	124.6	0.0	27.8
19	HARDOI	0.9	0.8	2.3	3.0	29.7	41.0	113.5	86.3	113.1	61.4	0.0	0.2
20	JAUNPUR	0.0	0.0	0.0	0.0	45.8	97.8	39.1	113.6	91.1	25.6	0.0	2.2
21	KANNAUJ	2.0	1.4	0.0	2.2	29.4	63.6	190.4	157.5	313.4	183.3	0.0	1.0
22	KANPUR CITY	0.9	2.8	1.4	3.2	17.2	84.1	199.8	118.1	129.3	63.5	0.6	2.9
23	KANPUR DEHAT	0.7	0.7	1.2	2.2	12.2	33.3	140.7	64.2	97.7	36.4	0.4	1.8
24	KAUSHAMBI	0.0	0.0	0.0	0.0	59.1	105.6	79.8	220.5	125.8	15.1	0.0	0.0
25	KHERI	2.1	1.1	0.0	1.8	139.0	436.9	389.0	328.1	182.6	209.7	0.0	2.7
26	KUSHI NAGAR	0.0	0.0	0.0	2.5	135.3	184.3	131.8	458.5	162.3	149.5	0.0	7.5
27	LUCKNOW	0.4	11.6	0.3	14.2	78.0	148.0	126.5	175.8	270.1	91.9	0.0	3.1
28	MAHARAJGANJ	0.0	0.0	3.0	11.0	409.3	364.6	354.3	441.4	169.7	98.1	0.0	17.9
29	MAU	0.0	0.0	0.0	0.0	88.5	226.0	179.5	171.0	68.5	59.5	0.0	2.0
30	MIRZAPUR	0.0	0.2	0.0	1.7	93.9	270.5	171.1	176.4	133.3	27.3	0.0	2.5

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	MET. SUBDIVISION/ UT/ STATE/DISTRICT	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
31	PRATAPGARH	0.0	0.0	0.0	0.0	90.0	236.8	224.8	442.6	379.8	96.6	0.0	5.6
32	PRAYAGRAJ	0.0	0.5	0.0	2.3	106.2	267.9	176.9	382.0	258.5	14.4	0.0	2.7
33	RAE BAREILLY	0.0	1.1	0.0	0.0	34.4	86.0	85.2	107.4	143.9	26.6	0.0	0.3
34	SANT KABIR NAGAR	0.0	1.5	0.0	5.0	202.2	241.3	214.7	472.7	256.5	87.6	0.0	11.3
35	SANT RAVIDAS NAGAR	0.0	0.0	0.0	0.0	67.0	310.7	141.3	179.4	176.0	28.0	0.0	6.0
36	SHRAWASTI NAGAR	0.0	1.3	0.0	12.5	257.3	382.3	256.2	410.3	75.8	83.9	0.0	17.0
37	SIDDHARTH NAGAR	0.1	0.3	1.0	1.4	365.0	246.8	255.3	445.3	122.9	63.7	0.0	11.8
38	SITAPUR	0.0	1.5	0.4	6.6	35.3	167.0	229.1	159.5	297.6	149.4	0.0	1.2
39	SONBHADRA	0.2	3.8	0.4	0.2	102.2	235.4	269.2	281.6	149.8	37.2	0.0	3.9
40	SULTANPUR	0.0	2.3	0.0	0.0	144.9	195.5	92.3	360.5	266.8	86.5	0.0	8.5
41	UNNAO	0.5	2.8	0.0	5.8	41.8	64.8	123.8	126.8	190.8	62.0	0.0	1.0
42	VARANASI	0.0	0.6	0.0	1.0	146.2	347.9	177.5	210.4	179.8	77.1	0.0	12.2
11	WEST UTTAR PRADESH	13.2	3.0	0.6	1.4	65.0	73.8	226.3	146.0	127.6	92.0	0.3	1.5
1	AGRA	4.2	0.1	3.2	0.8	62.2	16.3	192.9	81.5	116.2	62.4	0.2	1.0
2	ALIGARH	36.3	7.7	2.5	1.1	62.3	40.8	250.2	90.9	103.9	82.3	0.0	1.0
3	AURAIYA	3.0	3.0	0.0	3.0	15.5	44.0	249.1	76.8	102.8	24.5	0.0	0.0
4	BADAUN	12.0	4.3	0.0	0.0	90.3	120.0	118.1	161.5	68.3	73.3	0.0	0.3
5	BAGHPAT	15.2	1.7	0.0	1.0	79.3	33.0	208.0	144.7	302.7	38.3	0.0	5.0
6	BAREILLY	13.0	4.4	1.1	4.4	111.7	172.2	311.2	205.4	94.8	292.2	0.0	1.7
7	BIJNOR	22.9	6.2	0.0	2.0	100.3	131.3	379.7	225.1	166.4	152.4	0.0	1.2
8	BULANDSHAHAR	25.0	2.1	0.2	0.2	45.2	35.8	108.8	93.1	143.8	110.5	0.0	0.0
9	ETAH	2.7	0.0	0.0	4.0	70.1	66.5	354.6	140.7	122.9	55.7	0.0	2.0
10	ETAWAH	0.8	0.9	0.4	1.0	38.1	19.5	248.4	98.4	126.0	30.7	0.0	0.8
11	FIROZABAD	2.3	0.0	0.0	2.8	63.2	28.6	219.9	132.5	164.9	66.1	0.0	1.3
12	GAUTAM BUDDHA NAGAR	6.0	0.0	1.0	0.0	38.0	18.0	51.5	65.5	101.0	36.0	0.0	2.0
13	GHAZIABAD	15.2	0.0	0.0	0.0	44.2	10.2	85.0	83.1	144.0	30.8	0.0	1.2
14	HAMIRPUR	0.0	2.7	1.1	2.0	23.3	153.7	312.9	228.9	159.6	114.0	0.0	8.7
15	HAPUR	18.6	3.0	1.0	0.0	68.0	48.5	100.8	99.0	167.0	62.5	0.0	2.0
16	JALAUN	0.3	0.3	1.3	4.3	42.8	79.1	255.6	161.6	127.9	92.9	6.8	6.9
17	JHANSI	0.4	1.8	1.3	0.0	39.6	63.0	181.1	213.1	145.7	49.4	0.0	4.5
18	JYOTIBA PHULE NAGAR	25.9	3.8	0.0	1.0	56.7	60.7	99.5	113.7	124.2	121.3	0.0	0.0
19	KANSHIRAM NAGAR	5.6	1.5	0.0	0.0	50.9	64.1	250.5	155.3	75.7	78.5	0.0	1.7
20	LALITPUR	0.7	0.0	0.0	0.0	26.0	17.0	199.2	344.1	129.5	42.7	0.0	1.7
21	MAHAMAYA NAGAR	22.4	2.5	1.5	2.1	107.4	42.9	409.6	106.7	165.9	92.4	0.5	0.0
22	MAHOBA	0.0	3.0	0.2	0.0	19.3	39.7	121.8	222.0	62.0	39.5	0.0	2.9
23	MAINPURI	3.1	0.0	0.0	0.0	75.8	65.7	182.8	111.1	172.1	38.0	0.0	0.3
24	MATHURA	20.0	4.5	3.6	0.0	55.5	31.2	159.3	64.3	157.8	34.8	0.0	0.0
25	MEERUT	28.5	4.0	0.2	2.2	80.9	65.4	229.7	130.4	181.3	94.9	0.0	2.1
26	MORADABAD	40.8	2.7	0.0	6.3	105.8	174.8	281.1	183.1	123.2	156.2	0.0	1.2
27	MUZAFFARNAGAR	29.7	5.9	0.5	1.3	88.6	61.8	423.4	143.1	157.1	94.9	0.0	1.6
28	PILIBHIT	5.2	2.3	0.0	0.0	44.1	102.5	184.2	60.0	47.1	121.8	0.0	0.3
29	RAMPUR	21.7	5.2	0.0	0.0	78.9	136.2	202.1	51.8	35.4	165.0	0.0	0.0
30	SAHARANPUR	11.8	11.8	0.0	0.0	48.0	61.0	299.4	172.4	161.6	41.2	0.0	0.0
31	SAMBHAL	27.3	4.2	0.0	1.0	100.5	136.2	198.7	177.1	181.8	172.0	0.0	0.2
32	SHAHJAHANPUR	1.1	0.6	0.0	2.3	100.1	114.8	246.7	91.5	112.5	145.3	0.0	0.6

DISTRICT-WISE RAINFALL STATISTICS

	MET. SUBDIVISION/ UT/ STATE/DISTRICT	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
33	SHAMLI	11.5	3.5	0.0	0.0	30.8	43.5	106.0	55.0	99.5	35.0	0.0	0.5
12	UTTARAKHAND	27.3	17.2	11.0	57.7	175.5	262.9	371.6	307.6	214.0	203.2	1.0	15.4
1	ALMORA	31.2	12.9	6.1	56.4	153.3	282.3	244.0	148.5	140.5	262.2	0.0	6.8
2	BAGESHWAR	25.2	14.4	9.7	56.6	245.6	478.5	635.6	681.8	438.3	286.3	1.8	21.5
3	CHAMOLI	32.7	17.1	23.1	78.4	167.8	384.4	315.6	306.5	286.5	187.4	1.1	24.7
4	CHAMPAWAT	16.0	5.1	0.5	13.3	225.7	340.5	320.9	191.5	55.5	412.2	0.0	6.7
5	DEHRADUN	30.3	27.8	7.7	47.8	145.8	175.8	570.3	366.7	249.6	65.1	0.0	14.5
6	GARHWAL PAURI	18.2	11.6	3.1	25.0	112.6	200.6	266.7	226.3	113.3	127.8	0.0	3.2
7	GARHWAL TEHRI	24.8	14.8	6.7	55.7	134.9	181.0	316.2	266.0	185.3	95.5	0.0	6.9
8	HARDWAR	19.1	10.4	0.0	4.2	82.2	122.0	286.5	218.1	125.6	49.8	0.0	0.3
9	NAINITAL	34.5	12.8	2.3	35.0	230.4	293.3	399.9	402.5	158.3	406.2	0.0	8.9
10	PITHORAGARH	26.0	12.9	12.3	66.5	205.2	345.0	406.1	458.4	237.4	303.8	4.7	31.3
11	RUDRAPRAYAG	30.2	19.8	19.1	69.3	220.8	322.4	405.7	248.7	266.8	129.0	0.4	18.1
12	UDHAM SINGH NAGAR	15.1	5.7	2.0	13.1	184.7	170.5	309.9	356.8	100.7	353.6	0.0	3.5
13	UTTARKASHI	32.9	35.4	21.1	109.6	186.9	144.4	421.8	174.0	277.3	84.3	0.8	20.6
13	HAR. CHD & DELHI	21.3	4.9	4.2	4.4	46.5	48.4	255.5	84.0	188.9	26.1	0.0	2.8
	HARYANA	21.1	5.0	4.3	4.5	45.7	48.8	253.1	81.9	187.5	25.1	0.0	2.8
1	AMBALA	12.1	22.4	5.7	12.8	39.0	72.1	254.9	95.0	174.6	31.8	0.0	2.9
2	BHIWANI	22.2	0.6	4.6	2.8	22.2	29.6	134.1	24.5	151.7	14.5	0.0	2.0
3	CHARKHI DADRI	30.0	0.0	0.0	4.0	48.0	26.3	205.0	60.3	229.3	21.0	0.0	3.5
4	FARIDABAD	25.0	1.7	12.3	2.7	90.3	27.3	132.0	150.3	260.0	57.5	0.0	2.5
5	FATEHABAD	6.5	1.0	3.1	2.6	10.1	55.5	268.7	61.9	136.6	7.9	0.0	7.5
6	GURGAON	25.8	0.9	3.7	2.5	129.5	17.2	379.2	114.3	228.2	28.8	0.0	3.6
7	HISAR	8.4	2.9	5.0	2.2	13.0	48.8	229.2	21.6	255.6	17.6	0.3	1.8
8	JHAJJAR	35.8	1.3	16.0	5.7	94.5	37.1	395.5	109.3	217.8	39.1	0.0	2.3
9	JIND	20.0	4.9	0.6	1.1	35.7	48.5	317.6	44.3	154.0	2.4	0.0	1.0
10	KAITHAL	19.8	11.7	1.4	3.8	30.0	38.3	347.3	95.6	142.4	15.8	0.0	3.5
11	KARNAL	31.5	12.5	1.5	0.6	26.1	56.5	402.6	86.6	129.4	34.2	0.0	0.2
12	KURUKSHETRA	17.8	19.0	6.5	3.0	60.7	71.9	313.7	101.0	144.4	23.6	0.0	1.5
13	MAHENDRAGARH	35.2	0.2	18.8	3.5	53.5	31.0	287.9	66.2	197.3	21.9	0.0	3.0
14	NUH	9.1	3.5	1.5	2.0	89.0	33.4	261.2	107.2	172.4	55.2	0.0	5.0
15	PALWAL	27.5	3.0	0.0	1.5	49.5	29.5	222.9	60.3	165.3	51.0	0.0	1.5
16	PANCHKULA	9.7	16.9	2.2	9.1	27.0	35.4	175.1	155.8	153.4	40.8	0.0	0.0
17	PANIPAT	49.3	10.3	0.0	1.0	31.3	39.2	299.4	144.2	235.6	15.0	0.0	1.8
18	REWARI	23.2	0.2	9.3	4.8	74.8	26.5	324.4	85.0	192.6	27.5	0.0	2.5
19	ROHTAK	30.9	2.8	1.0	5.8	56.6	33.3	257.4	66.6	201.7	10.8	0.0	3.1
20	SIRSA	7.0	0.0	1.4	12.5	8.0	93.3	60.9	31.1	83.9	11.5	0.0	0.5
21	SONEPAT	41.8	6.3	0.5	5.3	75.8	70.5	343.8	190.6	357.6	21.0	0.0	2.1
22	YAMUNA NAGAR	15.0	10.8	1.1	8.8	61.1	90.5	316.8	149.4	217.0	47.6	0.0	12.3
	CHANDIGARH (UT)	6.3	13.3	6.2	13.9	60.8	119.4	148.1	160.2	172.5	41.0	0.2	0.5
	DELHI	29.6	1.4	1.2	2.6	72.6	29.6	338.9	144.7	232.1	56.7	0.0	4.0
1	CENTRAL DELHI		0.0	0.0	0.0	0.0	8.5	471.0	265.6	528.2	123.9	0.0	0.0
2	EAST DELHI	32.0	0.0	3.8	1.5	78.4	19.2	238.6	159.0	306.8	111.3	0.0	2.9
3	NEW DELHI	45.8	2.4	2.7	2.9	108.9	27.7	409.4	175.4	308.7	93.1	0.0	10.1
4	NORTH DELHI	42.3	3.5	1.1	3.0	141.6	37.7	455.5	356.0	334.2	72.4	0.0	4.3
5	NORTH EAST DELHI	32.7	5.3	2.5	0.2	35.9	20.7	103.5	140.6	236.8	52.8	0.0	2.8
6	NORTH WEST DELHI	16.8	0.0	0.0	2.2	14.8	29.8	346.6	146.9	205.2	44.2	0.0	2.8

DISTRICT-WISE RAINFALL STATISTICS

	MET. SUBDIVISION/ UT/ STATE/DISTRICT	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	ANANTNAG	88.5	40.2	110.1	97.0	39.4	28.9	116.3	31.3	67.0	143.2	0.3	15.1
2	BADGAM	99.6	21.8	88.8	110.2	34.6	15.3	57.5	20.4	24.6	110.9	1.3	12.8
3	BANDIPORE	30.5	32.2	81.0	119.0	28.0	6.5	83.0	19.0	9.0	81.0	4.0	15.5
4	BARAMULA	84.9	53.2	217.7	180.0	105.1	31.8	81.5	60.1	21.3	99.7	11.1	43.3
5	DODA	88.3	47.7	82.2	124.6	106.1	36.1	168.2	63.0	23.7	79.5	17.0	18.2
6	GANDERBAL	84.8	39.6	258.8	190.0	75.4	18.2	168.4	50.8	92.6	88.4	2.1	27.6
7	JAMMU	66.1	4.8	14.0	32.8	36.0	44.7	354.4	146.5	122.4	95.5	0.0	0.5
8	KATHUA	35.2	2.0	13.7	28.4	50.1	43.8	469.3	89.7	245.9	42.1	0.0	0.0
9	KISTWAR	55.5	32.0	46.0	0.0	19.0	5.0	91.6	25.0	29.0	84.0	7.0	10.0
10	KULGAM	98.5	59.7	208.8	137.2	65.4	42.7	129.9	27.8	60.8	174.4	0.0	22.9
11	KUPWARA	67.9	101.6	256.0	126.1	28.6	21.8	94.6	29.7	30.9	59.2	5.3	15.3
12	POONCH	161.0	73.0	224.0	160.0	113.0	60.0	265.0	141.0	94.0	102.0	1.0	46.0
13	PULWAMA	75.2	17.4	93.1	80.5	34.0	21.3	71.2	11.3	25.4	103.9	0.0	17.7
14	RAJOURI	117.8	19.6	78.5	47.8	69.0	48.6	235.3	60.5	70.0	100.1	0.0	11.7
15	RAMBAN	144.0	49.7	147.2	140.3	105.0	48.4	153.0	41.8	57.0	129.1	0.9	27.6
16	REASI	111.8	13.7	69.4	59.8	90.7	133.1	599.6	296.9	266.0	148.1	0.0	12.1
17	SAMBA	2.0	0.0	2.0	0.0	1.0	106.0	517.0	67.0	98.0	53.0	9.0	0.0
18	SHOPIAN	29.0	28.0	64.5	51.5	15.0	17.5	36.0	3.0	16.0	87.5	0.0	8.0
19	SRINAGAR	151.9	22.6	172.5	150.1	51.7	20.2	99.8	41.9	92.1	111.8	3.1	25.3
20	UDHAMPUR	174.2	13.1	35.5	47.3	103.6	98.1	632.1	254.8	198.1	186.5	1.0	10.3
	LADAKH (UT)	4.1	4.4	7.2	9.0	4.0	1.4	11.4	0.9	8.2	4.2	0.1	2.1
1	KARGIL	12.3	15.3	24.7	11.1	0.6	1.9	17.2	0.5	11.4	10.0	0.4	0.6
2	LADAKH (LEH)	1.5	1.0	1.7	8.3	5.1	1.2	9.6	1.0	7.2	2.4	0.0	2.5
	RAJASTHAN	8.9	0.1	2.0	1.9	50.5	53.1	130.8	126.1	175.3	20.9	12.1	5.2
17	EAST RAJASTHAN	15.5	0.2	3.3	0.9	69.3	56.7	194.0	236.7	209.3	33.3	26.2	8.3
		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	AJMER	12.5	0.0	1.6	0.0	94.9	43.5	104.0	150.7	159.9	15.6	3.5	0.9
2	ALWAR	18.0	0.9	4.3	1.3	68.5	25.2	275.8	152.1	178.4	21.3	0.0	2.2
3	BANSWARA	0.9	0.0	0.0	0.0	38.2	109.2	235.9	111.4	349.9	14.9	5.0	6.6
4	BARAN	11.9	0.0	6.9	0.3	31.0	49.5	263.6	704.1	114.4	87.0	27.8	20.8
5	BHARATPUR	25.7	1.6	5.6	1.1	84.7	47.6	264.7	127.2	156.8	42.1	0.0	0.0
6	BHILWARA	6.9	0.0	0.9	0.0	72.3	59.1	109.5	216.8	230.0	43.3	21.6	8.2
7	BUNDI	38.2	0.0	2.2	0.2	27.0	26.5	227.2	507.5	214.3	27.8	30.2	14.2
8	CHITTORGARH	9.9	0.0	0.4	0.0	80.0	104.5	140.7	201.7	305.3	57.4	92.2	25.8
9	DAUSA	34.4	0.0	7.0	0.0	85.0	52.2	225.4	256.2	167.2	7.6	0.0	1.4
10	DHOLPUR	11.5	0.0	5.3	1.5	115.0	35.5	239.5	212.3	134.0	40.7	0.3	2.0
11	DUNGARPUR	2.3	0.0	0.0	0.0	128.3	79.1	137.6	56.2	285.8	2.3	24.8	3.0
12	JAIPUR	13.2	0.1	6.3	1.7	89.8	32.4	208.3	183.8	141.3	35.4	0.2	2.7
13	JHALAWAR	0.0	0.0	3.4	0.0	12.4	81.3	277.5	543.6	228.0	10.2	0.0	17.5
14	JHUNJHUNU	34.2	0.0	7.6	12.4	39.5	28.6	183.8	55.4	191.8	12.9	0.0	0.1
15	KARAULI	35.2	0.0	2.5	0.0	53.7	46.2	246.5	273.2	126.2	83.7	1.3	0.3
16	KOTA	42.1	0.0	9.0	0.0	37.9	36.3	240.5	629.4	174.7	65.3	50.5	21.1
17	PRATAPGARH	12.0	0.0	0.0	0.0	60.8	143.6	363.2	202.8	453.0	54.4	30.4	2.2

DISTRICT-WISE RAINFALL STATISTICS

	MET. SUBDIVISION/ UT/ STATE/DISTRICT	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
20	WEST MADHYA PRADESH	4.6	1.9	8.3	0.7	38.0	138.1	290.1	309.0	244.8	76.2	7.1	9.9
1	AGAR-MALWA	3.1	0.0	0.0	0.0	50.1	85.4	401.9	348.3	388.6	72.1	0.0	1.8
2	ALIRAJPUR	8.3	0.0	3.8	1.1	16.5	95.9	391.6	121.5	352.2	53.3	16.8	31.3
3	ASHOKNAGAR	2.3	0.0	4.8	6.8	64.0	129.8	275.8	536.0	240.8	37.3	0.0	6.8
4	BARWANI	8.0	0.0	0.1	0.0	15.8	72.3	151.4	150.4	270.0	47.0	14.0	26.0
5	BETUL	1.0	12.9	15.7	5.4	41.0	228.7	378.8	168.7	238.1	78.7	15.4	6.7
6	BHIND	2.3	2.3	13.1	1.9	59.2	39.9	434.7	179.1	180.4	98.6	1.1	2.5
7	BHOPAL	4.4	0.0	29.6	2.2	56.0	289.9	204.7	259.6	225.5	71.7	0.0	3.4
8	BURHANPUR	0.3	0.7	5.1	0.7	6.8	115.4	178.6	183.3	300.1	137.2	6.1	0.8
9	DATIA	0.8	1.7	1.9	0.0	48.7	59.2	224.9	251.7	171.4	125.4	1.2	9.5
10	DEWAS	3.2	1.2	5.4	0.0	7.4	195.0	244.3	227.8	294.3	80.2	0.0	2.0
11	DHAR	6.5	3.7	0.0	0.0	4.0	107.0	185.3	124.7	233.5	74.2	12.9	23.8
12	GUNA	1.3	0.1	17.6	0.0	70.8	106.9	443.0	880.6	202.0	95.3	0.8	9.0
13	GWALIOR	3.7	0.1	11.0	0.1	45.9	34.3	304.6	227.4	152.0	83.7	4.4	7.2
14	HARDA	2.6	1.4	4.3	0.0	30.3	184.5	242.2	177.8	271.4	105.0	0.0	0.0
15	HOSHANGABAD	0.5	2.8	6.6	0.0	28.5	261.3	269.4	263.3	231.9	51.5	1.8	1.9
16	INDORE	9.4	0.0	2.6	0.0	32.7	124.1	176.8	178.0	357.7	135.7	0.0	19.1
17	JHABUA	13.7	4.5	0.0	0.0	11.4	149.4	209.1	194.0	276.5	29.7	8.4	16.1
18	KHANDWA	1.5	2.5	3.3	0.0	8.5	97.0	282.6	169.9	288.0	93.3	1.5	1.5
19	KHARGONE	1.5	3.1	2.9	0.0	8.5	92.7	149.3	114.8	233.9	58.4	1.2	13.4
20	MANDSAUR	7.5	0.0	0.0	0.0	38.8	105.3	310.9	276.7	221.7	43.7	22.4	20.3
21	MORENA	4.5	0.0	8.0	0.0	66.0	34.7	187.8	225.8	210.0	36.7	0.8	2.8
22	NEEMUCH	23.3	0.0	0.0	0.0	89.9	109.0	239.3	226.0	482.3	67.0	79.7	35.0
23	RAISEN	1.3	2.1	24.7	0.0	43.2	255.1	231.3	320.5	217.3	34.3	0.0	10.4
24	RAJGARH	1.4	0.0	10.7	0.0	49.9	123.6	387.5	423.6	259.7	78.5	0.0	5.2
25	RATLAM	1.3	0.0	0.0	0.0	33.1	135.3	349.2	216.1	334.8	58.1	4.8	14.0
26	SEHORE	0.5	1.3	12.2	0.0	24.1	231.6	255.6	206.7	251.0	101.2	0.0	0.5
27	SHAJAPUR	5.2	0.0	9.8	0.0	28.7	150.8	361.4	262.5	291.8	78.2	0.0	0.9
28	SHEOPUR	27.5	0.0	4.1	0.0	45.3	40.0	420.0	717.9	166.1	168.0	19.2	13.5
29	SHIVPURI	1.8	0.5	14.2	1.1	68.8	80.1	325.5	690.4	166.5	80.3	8.6	15.8
30	UJJAIN	5.8	0.0	1.0	0.0	43.0	132.8	370.5	271.1	225.3	73.5	14.1	10.4
31	VIDISHA	3.0	2.6	20.4	0.3	61.0	232.7	306.0	460.9	182.2	61.5	0.1	5.0
	GUJARAT	1.1	0.1	0.0	1.2	48.6	98.9	148.2	47.0	400.5	24.2	13.0	10.4
21	GUJARAT REGION	2.5	0.1	0.0	0.3	56.6	137.2	189.8	83.7	378.1	19.5	21.8	19.9
1	AHMEDABAD	0.0	0.0	0.0	0.0	65.6	106.7	92.2	23.9	301.1	6.2	0.4	2.8
2	ANAND	0.0	0.0	0.0	0.0	97.7	221.1	148.0	18.7	426.6	7.8	0.3	8.0
3	ARAVALLI	2.7	0.0	0.0	0.0	94.2	65.3	124.0	33.0	324.8	1.0	3.8	5.0
4	BANASKANTHA	0.0	0.0	0.0	1.0	12.4	87.1	88.2	20.7	240.0	4.5	48.1	3.2
5	BHARUCH	0.0	0.0	0.0	0.0	65.7	145.5	119.2	84.2	427.6	34.0	4.6	26.9
6	CHHOTA UDEPUR	6.8	0.0	0.0	0.0	18.1	87.6	310.3	136.8	489.6	33.3	18.7	33.8
7	DADARA & NAGAR HAVELI	0.0	0.0	0.0	0.0	139.2	430.0	713.5	365.0	1165.7	114.2	22.8	84.0
8	DAHOD	0.2	0.0	0.0	0.0	23.1	49.8	154.0	87.3	249.2	24.1	1.3	9.3

DISTRICT-WISE RAINFALL STATISTICS

	MET. SUBDIVISION/ UT/ STATE/DISTRICT	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
	MAHARASHTRA	6.9	5.9	6.6	9.7	46.5	267.5	397.2	179.3	350.2	82.7	25.5	32.7
1	MUMBAI CITY	0.6	0.0	0.0	0.0	253.8	537.7	783.2	265.6	474.7	34.3	18.0	95.9
2	MUMBAI SUBURBAN	0.2	0.3	0.0	0.0	243.4	961.4	1122.7	337.8	741.6	11.2	26.9	96.1
3	PALGHAR	0.1	0.0	0.0	0.0	218.2	585.0	912.0	419.3	865.4	49.7	8.1	97.1
4	RAIGAD	4.4	34.2	0.3	0.1	56.3	977.2	1558.4	364.5	750.7	92.0	31.6	67.5
5	RATNAGIRI	7.4	5.1	0.0	0.5	196.1	1226.4	1783.8	411.8	829.9	95.5	73.9	52.7
6	SINDHUDURG	0.0	0.9	0.0	4.4	378.7	1079.9	1615.2	453.5	724.5	155.2	148.8	93.5
7	THANE	0.0	0.0	0.0	0.0	62.4	718.4	1084.1	361.6	810.7	142.2	53.0	55.3
24	MADHYA MAHARASHTRA	15.6	4.9	4.3	16.7	41.3	189.3	297.3	129.1	257.0	92.3	37.7	50.9
1	AHMEDNAGAR	22.8	1.0	4.0	0.0	7.5	120.8	125.7	122.1	216.2	122.3	48.6	41.6
2	DHULE	36.7	17.7	18.0	0.0	18.0	76.2	150.4	179.5	322.5	66.6	6.5	61.3
3	JALGAON	3.0	8.3	9.9	0.0	33.3	126.6	141.9	149.9	372.3	99.2	23.7	4.6
4	KOLHAPUR	20.8	8.4	0.0	57.1	120.7	512.5	956.6	239.6	331.1	104.3	102.6	65.0
5	NANDURBAR	24.0	0.0	0.2	0.0	3.0	105.5	152.0	125.2	429.1	22.9	10.5	32.0
6	NASHIK	13.2	6.1	2.8	16.1	20.3	174.8	371.3	193.0	382.8	83.2	16.5	53.0
7	PUNE	30.4	2.1	2.5	16.8	51.5	227.1	389.0	83.3	194.8	94.8	40.4	68.1
8	SANGLI	3.9	8.0	0.4	48.0	53.4	164.3	188.5	53.5	56.3	67.0	34.2	57.6
9	SATARA	8.3	5.4	3.8	20.0	86.3	305.9	495.0	83.8	153.5	90.9	33.0	100.4
10	SHOLAPUR	0.0	0.3	3.6	23.2	44.9	146.8	155.1	98.0	196.5	109.0	53.6	34.8
25	MARATHWADA	2.4	8.4	6.1	6.0	24.8	181.1	243.7	173.3	391.4	95.9	16.3	7.7
1	AURANGABAD	13.6	0.5	0.7	3.7	35.5	130.5	171.2	186.9	460.3	107.3	15.6	6.6
2	BEED	1.4	18.8	8.3	8.0	26.9	185.3	189.0	181.2	389.7	106.5	0.0	0.0
3	HINGOLI	0.0	4.3	5.2	0.0	0.0	191.4	230.4	125.4	314.4	76.6	0.0	0.0
4	JALNA	0.7	0.0	2.1	13.0	3.2	216.1	246.8	177.2	454.9	96.8	4.8	4.3
5	LATUR	0.0	5.8	0.0	0.0	0.0	170.1	230.4	190.7	334.5	90.4	34.9	18.2
6	NANDED	0.0	3.4	13.8	3.0	36.5	187.2	343.2	170.5	365.8	60.6	32.2	0.4
7	OSMANABAD	0.0	22.7	2.0	15.4	58.2	142.3	187.8	161.4	321.1	126.9	28.6	33.2
8	PARBHANI	0.0	10.8	15.6	2.6	17.7	254.3	374.7	168.5	455.2	101.6	8.9	1.8
26	VIDARBHA	0.8	4.2	11.7	6.5	26.2	203.5	293.3	174.8	296.8	56.5	5.7	15.9
1	AKOLA	4.3	0.0	3.2	0.0	2.7	67.0	280.3	134.4	241.7	70.1	1.6	4.1
2	AMRAOTI	0.0	4.4	9.7	6.2	23.2	181.2	201.2	126.9	290.0	76.7	2.2	8.9
3	BHANDARA	0.0	7.2	14.4	0.0	24.9	268.8	347.5	181.9	319.5	2.8	10.4	26.0
4	BULDHANA	0.0	3.3	12.4	0.9	21.0	135.5	154.2	135.5	274.6	94.0	3.8	5.4
5	CHANDRAPUR	0.0	3.2	3.1	15.0	33.2	251.3	420.2	164.5	276.3	54.7	10.2	27.7
6	GADCHIROLI	0.0	2.3	0.7	10.2	36.3	215.2	377.2	215.3	279.5	39.0	13.8	24.6
7	GONDIA	6.9	8.8	15.9	1.2	38.4	191.0	354.0	220.5	364.1	22.4	3.8	38.9
8	NAGPUR	2.0	8.7	21.5	2.3	38.8	223.4	319.0	173.8	333.4	24.2	3.5	14.6
9	WARDHA	0.0	4.2	33.1	14.3	31.2	229.7	252.1	156.7	317.5	20.9	2.3	7.8
10	WASHIM	0.0	0.0	22.3	6.6	17.9	219.9	267.7	162.1	324.7	132.6	1.9	6.7

DISTRICT-WISE RAINFALL STATISTICS

	MET. SUBDIVISION/ UT/ STATE/DISTRICT	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
11	YEOTMAL	0.2	4.7	11.9	5.7	12.8	226.5	255.8	221.7	297.0	66.6	3.4	11.9
27	CHHATTISGARH	2.3	10.5	4.0	18.1	75.2	244.4	331.7	221.5	310.2	39.5	23.0	29.4
1	BALOD	0.0	7.8	2.2	24.2	107.3	247.1	178.4	102.7	402.4	18.8	15.2	70.5
2	BALODA BAZAR	8.0	3.4	3.1	0.0	37.3	301.6	287.2	133.9	242.3	35.3	3.8	46.3
3	BALRAMPUR	2.9	8.2	4.7	12.3	117.4	235.6	384.5	171.8	266.3	42.8	6.4	21.8
4	BASTAR	0.0	5.7	1.5	50.1	115.3	150.7	286.3	348.5	308.4	92.2	82.5	0.0
5	BEMETARA	10.8	23.8	0.6	8.8	91.4	316.1	359.7	193.7	307.6	51.1	7.4	20.0
6	BIJAPUR	0.0	6.9	0.5	53.9	62.9	259.0	356.7	273.1	327.6	75.3	31.6	0.0
7	BILASPUR	7.0	19.8	6.5	0.9	54.9	237.1	398.2	243.1	352.7	34.6	6.0	32.2
8	DANTEWADA	0.0	0.7	0.2	45.9	28.2	153.5	307.5	383.8	359.1	46.0	17.3	2.1
9	DHAMTARI	0.0	4.4	1.5	7.4	59.8	269.7	204.0	156.9	325.9	23.9	25.4	41.3
10	DURG	0.0	6.5	5.0	1.1	108.6	298.9	218.4	167.4	339.8	9.4	43.1	108.2
11	GARIABAND	0.0	7.5	2.1	12.0	87.4	246.2	261.9	190.5	361.8	19.4	34.4	31.0
12	JANJGIR	4.0	13.2	11.1	0.1	35.9	231.7	412.2	188.9	318.0	23.6	12.5	32.1
13	JASHPUR	0.3	11.9	6.8	9.4	102.1	265.8	321.0	226.3	268.2	49.9	58.5	14.5
14	KABIRDHAM	3.8	14.8	3.5	0.5	52.0	241.3	303.0	148.9	331.7	105.0	2.5	49.4
15	KANKER	0.0	5.8	1.2	25.4	52.3	217.8	258.9	223.8	314.9	41.3	35.4	22.5
16	KONDAGAON	0.0	15.9	3.3	10.6	104.1	179.8	374.7	231.4	336.3	24.4	0.0	0.0
17	KORBA	6.2	21.8	8.7	2.4	85.5	412.4	405.7	239.6	341.8	36.1	13.4	30.0
18	KORIYA	1.2	14.3	1.9	1.7	102.8	252.1	280.4	307.4	196.6	23.5	1.3	19.5
19	MAHASAMUND	0.0	0.0	0.0	4.8	52.9	208.4	292.1	105.3	315.8	11.6	0.0	84.3
20	MUNGELI	3.0	11.7	5.7	2.0	33.7	155.3	424.4	150.1	392.5	25.3	2.7	44.3
21	NARAYANPUR	0.0	27.8	4.1	75.9	118.0	214.1	430.2	286.5	359.5	35.5	67.8	0.5
22	RAIGARH	4.3	6.4	13.8	0.0	56.0	226.3	299.0	161.8	247.4	19.5	25.0	51.1
23	RAIPUR	2.0	4.0	3.1	1.2	54.1	237.8	246.2	107.4	287.9	27.3	31.7	69.7
24	RAJNANDGAON	1.8	8.2	1.4	10.3	50.2	169.2	269.8	169.2	374.2	41.6	5.1	44.7
25	SUKMA	0.0	0.9	0.3	73.3	52.7	388.9	595.9	315.4	264.5	54.7	23.5	2.0
26	SURAJPUR	4.1	13.0	3.1	4.9	109.4	249.1	382.8	358.5	275.3	26.8	11.4	30.4
27	SURGUJA	4.6	11.4	9.5	0.5	66.5	207.4	284.3	209.7	225.3	25.8	13.9	13.9
	ANDHRA PRADESH	15.8	8.6	0.4	28.6	75.5	95.6	202.5	138.5	177.0	118.8	269.1	18.5
28	COASTAL A. P. & YANAM	10.7	6.1	0.7	26.3	70.8	82.5	216.3	169.0	236.5	98.8	245.3	16.5
1	EAST GODAVARI	0.6	2.2	0.4	31.1	67.8	94.0	329.5	217.5	301.5	65.3	132.7	0.8
2	GUNTUR	0.0	4.9	0.0	13.1	53.7	113.6	194.8	258.8	171.7	80.1	143.1	0.5
3	KRISHNA	0.0	2.7	0.0	18.3	68.5	116.0	340.6	199.8	219.0	81.5	129.7	0.7
4	PRAKASAM	2.4	11.8	0.0	21.3	84.8	43.9	142.4	94.7	79.2	94.9	251.2	5.9
5	SPSR NELLORE	66.6	19.4	0.0	18.3	16.0	32.7	143.1	67.3	89.7	145.2	753.6	70.4
6	SRIKAKULAM	7.7	0.0	0.0	24.8	75.4	103.4	215.6	172.4	357.6	167.3	188.4	61.6
7	VISHAKHAPATNAM	0.6	0.1	5.1	50.5	119.6	120.2	137.4	190.4	440.4	77.4	114.8	7.1
8	VIZIANAGARAM	3.6	0.1	0.7	47.0	94.2	98.8	190.0	254.0	431.5	125.3	118.7	7.4
9	WEST GODAVARI	0.0	0.4	0.1	22.0	70.7	71.0	378.1	170.2	317.0	80.1	148.4	0.1
10	YANAM	0.0	0.0	0.0	35.6	14.4	94.8	219.6	178.8	294.8	219.4	347.2	0.0

DISTRICT-WISE RAINFALL STATISTICS

	MET. SUBDIVISION/ UT/ STATE/DISTRICT	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
29	RAYALASEEMA	22.8	12.0	0.0	31.7	82.0	113.6	183.4	96.5	94.8	146.4	302.0	21.4
1	ANANTAPURAMU	13.4	17.3	0.0	41.0	91.1	113.4	138.8	86.6	44.5	168.1	244.6	8.0
2	CHITTOOR	34.6	12.1	0.0	39.7	48.0	102.1	233.3	145.4	175.1	179.5	444.4	57.6
3	KURNOOL	11.6	8.3	0.0	21.9	91.5	112.4	170.8	72.8	65.9	78.2	117.3	0.4
4	YSR DISTRICT	35.9	9.7	0.0	23.7	93.3	126.5	204.0	87.6	111.3	165.1	445.6	26.2
30	TELANGANA	1.7	1.7	0.4	23.4	42.9	195.7	365.7	192.8	290.1	59.1	33.6	1.5
1	ADILABAD	0.0	1.7	0.7	7.5	49.7	337.3	518.7	333.2	411.2	82.5	25.0	9.5
2	B. KOTHAGUDEM	0.0	0.0	0.0	74.9	77.0	129.3	432.6	222.9	438.4	100.8	37.4	6.4
3	HYDERABAD	2.2	5.4	0.0	23.7	103.1	108.6	334.3	129.6	234.0	156.7	9.3	0.0
4	J. BHUPALPALLY	0.0	3.1	0.0	57.8	38.4	205.0	321.0	182.6	365.1	27.1	39.5	0.0
5	JAGTIAL	1.3	0.4	0.0	0.6	11.0	204.8	499.6	168.9	374.4	60.2	6.7	0.0
6	JANGAON	0.1	0.0	0.0	18.9	21.5	235.7	403.1	222.8	204.6	46.0	57.1	0.0
7	JOGULAMBA GADWAL	7.3	0.2	0.0	8.1	81.7	71.5	204.5	91.7	53.8	71.8	55.0	0.0
8	KAMAREDDY	6.5	0.6	1.7	7.1	45.9	326.5	390.2	243.7	380.5	38.7	50.3	0.0
9	KARIMNAGAR	2.6	0.2	0.0	12.5	14.7	261.9	390.7	243.7	372.0	63.4	28.5	0.0
10	KHAMMAM	0.0	0.0	0.0	14.2	61.8	150.5	403.7	175.3	280.4	51.5	38.4	0.0
11	KUMARAM BHEEM	0.0	2.5	0.0	19.6	51.1	322.0	514.3	326.1	324.0	47.2	24.3	5.0
12	M. MALKAJGIRI	0.1	2.5	0.0	10.7	42.8	192.3	236.2	180.2	278.5	65.2	29.2	0.0
13	MAHABUBABAD	0.0	3.7	0.0	14.7	35.5	304.7	459.6	240.2	414.2	55.8	53.4	0.0
14	MAHABUBNAGAR	1.2	0.0	0.0	45.0	40.1	115.3	285.4	162.3	183.7	63.3	17.0	0.5
15	MANCHERIAL	0.5	0.5	0.0	5.4	20.1	227.8	375.6	172.3	244.8	27.3	20.0	0.0
16	MEDAK	0.3	0.0	4.8	12.9	19.8	189.2	304.1	162.4	304.4	47.4	13.8	0.0
17	MULUGU	0.0	7.1	0.3	62.5	53.4	233.9	443.9	201.6	400.5	62.8	19.3	0.0
18	NAGARKURNOOL	0.6	0.4	0.0	12.9	70.5	71.8	198.6	114.6	127.4	76.5	29.8	1.6
19	NALGONDA	0.6	0.0	0.0	21.0	38.9	134.9	192.9	194.4	168.8	38.8	94.4	1.2
20	NARAYANPET	11.3	0.5	1.8	34.5	77.5	134.8	284.7	123.2	172.7	78.0	38.0	0.5
21	NIRMAL	0.0	10.3	0.0	12.4	36.9	255.2	706.5	201.0	401.2	76.6	7.4	0.0
22	NIZAMABAD	0.4	2.2	0.0	6.7	24.6	254.6	499.5	185.9	442.3	56.2	6.6	0.2
23	PEDDAPALLE	2.2	0.0	0.0	6.3	16.3	254.2	315.4	140.4	329.8	22.3	14.2	0.0
24	RAJANNA SIRCILLA	8.9	0.0	0.0	1.9	30.5	280.6	403.2	239.4	463.1	63.2	43.9	0.0
25	RANGAREDDY	4.4	1.3	0.0	31.5	49.6	92.2	272.0	117.7	186.8	103.8	32.2	5.3
26	SANGAREDDY	7.3	0.0	1.2	30.0	36.9	170.2	225.6	154.6	303.5	37.5	9.7	0.0
27	SIDDIPET	1.4	0.0	0.0	2.0	11.0	238.5	373.6	264.2	250.6	50.8	29.3	0.0
28	SURYAPET	0.0	0.0	0.0	5.2	38.9	142.0	281.6	154.1	188.2	60.2	36.8	3.1
29	VIKARABAD	2.6	0.0	2.9	36.8	44.3	109.5	345.0	204.5	246.7	63.1	17.9	0.0
30	WANAPARTHY	0.4	0.2	0.3	14.7	48.1	79.6	331.9	68.9	99.8	73.6	36.3	0.0
31	WARANGAL_RURAL	0.0	9.6	0.0	39.2	17.2	315.9	481.4	179.4	375.7	30.6	27.6	0.0
32	WARANGAL_URBAN	0.0	6.9	0.0	22.0	22.3	248.5	356.2	283.0	264.7	27.2	52.4	0.0
33	Y. BHUVANAGIRI	0.6	9.4	0.0	36.1	39.8	257.4	342.3	199.1	252.4	45.5	43.1	1.4
31	TAMIL. PUDU.& KARAIKAL	139.3	12.2	7.4	36.8	76.6	62.3	124.6	88.9	117.6	228.6	425.3	60.4

DISTRICT-WISE RAINFALL STATISTICS

	MET. SUBDIVISION/ UT/ STATE/DISTRICT	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
	TAMILNADU	139.1	11.7	7.4	36.9	76.6	62.4	124.7	88.7	117.6	228.1	423.1	60.4
1	ARIYALUR	216.1	4.6	0.0	16.0	43.2	117.9	84.1	81.4	149.9	305.3	555.1	72.7
2	CHENGALPATTU	164.3	8.2	0.0	15.4	31.7	23.1	140.3	127.4	97.1	249.7	899.8	88.9
3	CHENNAI	194.4	2.2	0.0	25.9	22.0	67.3	162.3	149.4	121.2	215.2	935.0	210.2
4	COIMBATORE	99.8	18.7	7.7	55.6	226.8	194.3	395.5	226.9	213.0	347.9	279.2	51.5
5	CUDDALORE	285.9	56.3	0.4	6.0	68.9	60.9	118.1	114.6	144.6	247.0	852.8	84.8
6	DHARMAPURI	56.3	3.5	0.0	65.7	55.7	65.2	129.6	83.5	91.4	154.0	287.4	35.4
7	DINDIGUL	179.6	14.9	5.9	77.4	66.5	98.3	70.9	65.5	72.9	239.7	313.3	35.6
8	ERODE	58.7	19.8	0.1	100.1	51.6	35.9	64.1	84.5	73.4	282.9	186.4	52.6
9	KALLAKURICHI	110.4	2.4	0.0	0.2	56.5	35.3	155.9	113.6	135.1	202.1	560.1	56.1
10	KANCHEEPURAM	100.7	6.7	0.0	23.0	55.1	43.7	194.1	143.4	136.3	233.7	660.1	101.4
11	KANYAKUMARI	98.8	0.3	32.0	78.5	528.5	84.9	132.4	52.9	155.7	400.9	598.1	77.7
12	KARUR	109.1	0.0	0.0	20.1	23.6	28.3	67.6	68.6	105.9	219.1	231.0	46.6
13	KRISHNAGIRI	40.1	5.8	0.0	46.6	75.7	32.4	137.7	70.2	134.9	140.4	282.6	19.1
14	MADURAI	131.2	0.3	1.0	31.8	62.3	63.4	121.0	70.6	129.1	175.9	248.6	60.1
15	MAYILADUTHURAI	264.9	32.8	0.0	13.0	38.0	40.5	74.8	95.3	121.2	295.5	742.3	118.0
16	NAGAPATTINAM	353.8	0.3	0.0	20.5	44.9	36.3	99.8	56.1	101.6	299.9	840.7	78.7
17	NAMAKKAL	60.6	5.8	0.0	51.6	31.4	74.3	107.0	53.7	106.1	208.4	267.1	56.2
18	NILGIRIS	125.7	38.2	44.9	73.0	232.4	261.2	449.7	220.4	178.3	320.8	258.5	55.7
19	PERAMBALUR	154.7	2.9	0.0	26.7	59.7	113.9	150.0	78.3	126.6	241.6	523.6	85.6
20	PUDUKKOTTAI	190.1	1.0	0.1	11.5	36.5	60.7	47.5	66.0	146.0	243.8	341.4	44.2
21	RAMANATHAPURAM	235.8	4.0	0.4	22.6	46.0	30.4	14.8	25.6	67.8	198.9	351.1	43.2
22	RANIPET	44.0	0.0	0.0	13.0	88.7	72.1	189.8	154.6	207.0	213.0	484.6	90.7
23	SALEM	53.4	9.1	0.0	52.8	67.2	90.7	168.0	73.4	171.6	186.2	254.0	41.2
24	SIVAGANGA	177.1	4.0	13.7	27.5	64.6	62.7	61.8	45.6	152.9	288.0	339.5	33.6
25	TENKASI	123.5	24.6	93.2	15.3	154.4	29.4	58.2	41.0	28.2	217.5	359.9	140.4
26	THANJAVUR	276.2	2.4	0.0	18.7	45.0	40.2	69.2	128.8	132.7	246.0	577.3	44.0
27	THENI	109.9	2.8	34.3	41.8	152.3	90.8	122.3	59.1	54.9	217.8	275.5	102.7
28	TIRUNELVELI	375.6	44.1	33.1	21.2	131.3	25.2	42.6	19.4	35.3	260.8	481.3	99.1
29	TIRUPATTUR	16.7	0.0	0.0	37.0	56.0	39.4	197.5	162.6	239.1	111.1	436.6	28.5
30	TIRUPPUR	104.1	14.4	0.0	62.3	29.7	28.3	37.3	36.4	51.8	192.5	238.8	49.5
31	TIRUVALLUR	127.5	11.5	0.0	15.5	43.8	65.0	234.0	163.2	91.0	202.4	753.0	102.8
32	TIRUVANNAMALAI	52.7	21.6	0.0	17.5	60.3	36.4	212.6	136.0	217.8	225.2	519.5	92.9
33	TIRUVARUR	376.5	0.9	0.0	28.1	42.8	38.7	65.7	68.8	144.5	314.8	682.2	33.0
34	TOOTHUKUDI	160.9	1.3	8.4	36.0	40.8	25.0	19.1	18.8	28.0	162.3	405.1	25.0
35	TRICHY	137.2	2.0	7.6	11.7	43.0	66.4	102.3	69.2	115.2	226.7	404.9	36.4
36	VELLORE	46.6	3.2	0.0	29.7	98.4	74.9	205.0	162.6	187.1	202.2	383.8	40.2
37	VILLUPURAM	108.7	35.3	0.0	0.8	61.4	46.1	203.2	157.4	110.9	296.1	842.5	72.8
38	VIRUDHUNAGAR	116.0	4.5	17.0	64.3	69.1	32.6	50.0	33.7	56.0	115.7	319.4	90.1
	PUDUCHERRY (UT)	197.1	153.2	0.4	4.1	59.8	44.5	104.5	147.3	139.5	380.5	986.3	58.3
1	KARAIKAL	283.7	37.4	0.0	0.8	41.6	23.6	58.7	89.5	91.9	422.5	1023.1	46.1
2	MAHE	51.0	23.6	24.6	21.8	599.4	447.6	581.6	520.4	407.4	631.6	281.0	24.2
3	PUDUCHERRY	174.1	236.5	0.0	2.1	57.9	38.5	103.3	164.4	141.5	366.2	1053.2	72.0
4	YANAM	0.0	0.0	0.0	35.6	14.4	94.8	219.6	178.8	294.8	219.4	347.2	0.0

DISTRICT-WISE RAINFALL STATISTICS

	MET. SUBDIVISION/ UT/ STATE/DISTRICT	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
	KARNATAKA	22.4	13.9	3.0	49.4	126.8	224.0	311.9	168.6	160.9	194.2	155.2	20.5
32	COASTAL KARNATAKA	62.7	14.1	16.5	72.8	367.7	764.3	1032.4	495.8	508.5	289.1	227.3	41.0
1	DAKSHINA KANNADA	121.3	10.1	13.7	96.8	456.5	708.6	991.6	565.6	403.1	451.1	335.1	11.1
2	UDUPI	76.6	6.2	6.9	49.2	439.1	930.5	1156.3	712.1	650.6	363.8	282.1	29.0
3	UTTARA KANNADA	30.3	18.7	21.3	69.8	301.0	732.4	1008.2	387.3	508.3	186.8	157.3	59.2
33	N. I. KARNATAKA	8.1	4.5	1.0	33.5	79.8	165.2	192.6	112.6	132.6	87.9	72.4	12.6
1	BAGALKOTE	6.3	2.7	0.1	16.8	59.2	121.2	121.1	84.8	87.1	47.0	58.4	16.8
2	BELAGAVI	6.0	7.6	2.4	45.0	115.5	231.5	301.0	86.6	77.1	118.4	80.4	33.1
3	BIDAR	6.9	0.2	1.6	18.2	24.3	219.2	254.1	158.3	257.5	74.4	19.3	0.8
4	DHARWAD	17.6	14.6	3.0	87.2	117.7	245.4	237.4	82.6	51.6	104.3	111.0	29.0
5	GADAG	23.8	16.8	1.0	54.4	160.9	99.3	134.6	84.9	73.8	110.6	109.2	4.5
6	HAVERI	45.2	4.1	4.6	47.6	96.4	159.0	215.1	87.0	73.3	173.1	174.5	12.1
7	KALABURGI	0.6	1.9	0.1	34.1	65.7	148.5	265.9	177.5	267.7	74.2	38.8	1.7
8	KOPPAL	7.5	0.7	0.0	24.4	68.7	160.7	111.9	114.6	116.6	110.4	92.6	3.0
9	RAICHUR	0.8	3.0	0.1	20.7	51.9	157.5	108.4	65.7	97.2	93.1	88.3	0.0
10	VIJAYAPURA	0.4	0.2	0.0	27.6	72.3	110.1	120.8	105.5	133.8	33.1	42.5	17.6
11	YADGIR	0.0	6.6	0.2	4.0	46.0	155.7	143.1	163.5	151.1	59.1	47.7	3.9
34	S. I. KARNATAKA	26.6	22.0	1.9	58.4	118.8	165.9	269.5	150.9	115.3	266.1	211.6	23.1
1	BALLARI	16.3	0.2	1.0	22.8	76.7	111.6	112.7	108.6	101.2	106.1	153.4	12.6
2	BENGALURU RURAL	12.1	33.2	0.0	45.3	76.0	104.9	212.0	125.3	146.0	262.4	280.3	27.2
3	BENGALURU URBAN	15.7	10.6	0.0	45.7	86.6	122.5	187.2	127.4	111.3	310.8	256.8	14.2
4	CHAMARAJANAGAR	10.6	5.7	0.0	50.1	97.6	66.9	191.0	123.3	67.3	228.5	232.2	17.3
5	CHIKABALLAPURA	8.1	21.7	0.0	62.4	80.1	68.7	183.2	146.5	72.7	342.7	264.8	11.3
6	CHIKKAMAGALURU	58.1	54.3	3.5	64.9	182.8	422.5	630.1	310.7	180.6	315.9	218.4	35.9
7	CHITRADURGA	26.9	28.8	0.0	32.8	132.7	93.8	146.6	83.7	26.6	232.7	170.0	22.1
8	DAVANGERE	42.7	9.3	5.3	26.3	103.8	139.9	234.1	104.7	43.3	272.7	110.6	17.6
9	HASSAN	30.8	29.5	0.0	63.0	150.0	122.6	238.4	74.7	102.5	260.0	211.3	36.4
10	KODAGU	60.2	29.9	5.4	150.7	304.5	471.0	772.9	356.9	325.7	320.7	179.2	11.1
11	KOLAR	12.2	17.7	0.0	59.5	90.1	104.9	235.2	185.9	232.7	207.0	355.0	12.2
12	MANDYA	14.1	18.3	0.0	79.8	90.0	49.7	147.6	93.7	75.4	329.3	250.6	58.7
13	MYSURU	14.2	12.5	2.9	40.2	60.9	62.1	117.2	88.8	45.1	334.0	239.1	24.2
14	RAMANAGARA	28.0	16.8	0.0	93.9	114.1	60.8	79.1	101.6	130.0	235.1	224.0	31.5
15	SHIVAMOGGA	46.7	22.8	8.6	78.4	159.5	407.8	650.1	301.4	257.3	229.1	169.6	10.5
16	TUMAKURU	11.5	30.3	0.0	62.2	84.7	112.6	120.1	99.2	55.3	338.3	239.9	25.8
35	KERALA & MAHE	105.5	8.6	49.7	127.6	569.5	408.3	577.4	416.3	317.2	589.5	394.5	42.3
	KERALA	105.5	8.6	49.7	127.6	569.4	408.3	577.4	416.2	317.1	589.5	394.5	42.3

DISTRICT-WISE RAINFALL STATISTICS

	MET. SUBDIVISION/ UT/ STATE/DISTRICT	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	ALAPUZHA	98.4	1.5	62.4	109.0	732.7	315.1	423.3	410.4	346.2	447.2	460.5	22.1
2	CANNUR	64.7	15.1	10.6	114.9	514.6	502.9	653.7	530.9	383.1	546.2	297.7	14.6
3	ERNAKULAM	149.2	0.0	79.5	115.4	684.7	455.7	674.3	472.1	301.8	585.2	386.0	28.1
4	IDUKKI	116.9	12.4	56.0	157.7	551.8	555.8	759.8	465.2	327.7	710.5	476.8	68.7
5	KASARGOD	108.3	5.7	39.0	80.6	368.8	600.0	817.6	592.2	388.8	487.9	313.6	23.5
6	KOLLAM	89.1	8.8	88.0	113.7	718.0	261.0	255.0	302.4	332.0	644.7	595.8	84.6
7	KOTTAYAM	155.4	0.5	83.9	187.2	780.1	543.9	648.5	549.8	423.8	599.3	535.1	81.2
8	KOZHIKODE	164.9	5.6	38.5	46.2	589.8	527.9	820.6	537.4	402.6	625.4	373.7	33.8
9	MALAPPURAM	82.7	12.6	18.1	136.1	420.4	386.1	487.6	393.7	282.6	556.0	246.5	14.5
10	PALAKKAD	37.3	2.3	42.8	89.7	302.2	227.0	401.8	268.3	234.5	575.2	205.2	51.5
11	PATHANAMTHITTA	242.0	28.8	94.7	329.9	877.3	397.4	532.8	430.0	324.2	866.9	752.5	76.0
12	THIRUVANANTHAPURAM	93.3	2.4	47.2	90.3	804.8	140.8	212.8	172.6	219.5	499.8	467.8	31.8
13	THRISSUR	64.7	2.5	32.4	84.3	596.6	406.8	674.1	423.2	288.5	559.6	364.1	24.8
14	WYNAD	66.2	18.9	20.9	115.7	330.4	399.3	692.6	354.2	279.4	351.8	202.9	15.1
1	MAHE	51.0	23.6	24.6	21.8	599.4	447.6	581.6	520.4	407.4	631.6	281.0	24.2
36	LAKSHADWEEP	167.5	49.3	9.3	95.8	409.5	160.0	156.5	319.5	154.9	160.1	165.1	51.1

Table 27: % Departures of District-wise Monthly Rainfall - Year 2021

	MET. SUBDIVISION/ UT/ STATE/DISTRICT	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	A & N ISLAND	-17%	105%	37%	102%	14%	-24%	33%	24%	56%	46%	11%	-38%
1	NICOBAR	6%	-22%	75%	46%	-20%	-14%	43%	81%	30%	8%	-22%	-75%
2	NORTH & MIDDLE ANDAMAN	-45%	-41%	-97%	165%	21%	-17%	35%	31%	111%	105%	69%	-18%
3	SOUTH ANDAMAN	-26%	442%	33%	106%	24%	-35%	28%	-5%	9%	17%	-13%	-15%
2	ARUNACHAL PRADESH	-38%	-87%	-46%	-39%	3%	-23%	-49%	41%	-60%	-33%	-69%	-55%
1	ANJAW	-77%	-80%	-57%	-66%	-4%	-77%	-71%	-55%	-85%	-79%	-84%	-77%
2	CHANGLANG	-91%	-92%	-84%	-78%	-18%	-14%	-55%	-16%	-94%	-63%	-58%	19%
3	DIBANG VALLEY	-39%	-86%	-42%	-33%	27%	-46%	-60%	54%	-54%	-36%	-85%	-72%
4	EAST KAMENG	-98%	-100%	-98%	-94%	75%	20%	-19%	190%	-34%	-20%	-42%	-81%
5	EAST SIANG	-47%	-99%	-30%	-53%	4%	4%	-77%	88%	-86%	54%	-92%	-31%
6	KURUNG KUMEY	-80%	-42%	48%	10%	-3%	-28%	-39%	-24%	-42%	13%	-25%	-89%
7	LOHIT	-91%	-97%	-89%	-86%	-2%	-42%	-82%	28%	-80%	-61%	-84%	-75%
8	LOWER DIBANG VALLEY	-54%	-95%	-65%	-75%	1%	38%	-16%	274%	-71%	-23%	-63%	-61%
9	LOWER SUBANSIRI	-54%	-80%	-3%	-25%	-8%	-39%	-48%	-31%	-46%	-62%	-63%	-74%
10	PAPUMPARA	-36%	-80%	-28%	-29%	-3%	8%	-31%	9%	-40%	-53%	-85%	-93%
11	TAWANG	23%	-64%	92%	-24%	-4%	-55%	-37%	-48%	-46%	-36%	48%	-100%
12	TIRAP	-24%	-60%	-86%			-29%	-70%	-45%	-82%	-64%		
13	UPPER SIANG	-46%	-92%	-30%	48%	3%	-18%	-43%	146%	-50%	-24%	-75%	-29%
14	UPPER SUBANSIRI	-7%	-76%	-40%	-6%	-19%	-55%	-39%	-11%	-28%	-16%	-76%	-48%
15	WEST KAMENG	10%	-92%	-46%	-77%	-15%	-48%	-22%	-20%	-36%	-26%	-70%	-52%
16	WEST SIANG	45%	-79%	32%	-22%	-1%	-25%	-51%	12%	-74%	-51%	-39%	-36%

DISTRICT-WISE RAINFALL STATISTICS

	MET. SUBDIVISION/ UT/ STATE/DISTRICT	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
3	ASSAM & MEGHALAYA	-43%	-93%	-44%	-47%	-14%	-9%	-38%	3%	-46%	-12%	-89%	-1%
	ASSAM	-28%	-92%	-46%	-58%	-23%	-9%	-32%	-15%	-38%	-6%	-83%	3%
1	BAKSA	183%	-50%	-39%	-42%	-31%	33%	-28%	29%	10%	-67%	-100%	-100%
2	BARPETA	497%	-54%	-53%	-52%	-29%	24%	-42%	-6%	-52%	32%	-68%	-97%
3	BONGAIGAON	-58%	-90%	-46%	-40%	-74%	-50%	-57%	-16%	-29%	80%	-77%	-100%
4	CACHAR	-34%	-100%	-52%	-63%	12%	-6%	-4%	14%	-47%	-11%	-99%	271%
5	CHIRANG	93%	-84%	-60%	-57%	-42%	13%	-15%	22%	-34%	26%	-74%	-100%
6	DARRANG	-88%	-100%	-94%			-32%	-42%	-59%	10%	-54%	-89%	-100%
7	DHEMAJI	-50%	-92%	-60%	-12%	-20%	61%	-25%	-23%	-80%	-8%	-41%	-37%
8	DHUBRI	-99%	-100%	-25%	-57%	-41%	-64%	-46%	4%	-66%	49%	-100%	-84%
9	DIBRUGARH	-57%	-95%	-62%	-70%	14%	-5%	-53%	-9%	-56%	-44%	-60%	64%
10	GOALPARA	-100%	-100%	-42%	-65%	-32%	10%	-28%	-39%	-49%	32%	-100%	-90%
11	GOLAGHAT	9%	-76%	-48%	-76%	-9%	-11%	13%	-40%	-25%	-22%	-47%	-28%
12	HAILAKANDI	80%	-100%		-49%	-17%	-35%	-10%	4%	-31%	33%	-100%	301%
13	JORHAT	-77%	-98%	-47%	-74%	14%	8%	-37%	-15%	-47%	-1%	-12%	-19%
14	KAMRUP (RURAL)	-74%	-99%	-53%	-65%	-42%	0%	-59%	-58%	-26%	-84%	-100%	-100%
15	KAMRUP METRO.	-100%	-65%	42%	-25%	-50%	-19%	-35%	-56%	11%	8%	-99%	-90%
16	KARBI ANGLONG	-100%	-90%	-16%	-61%	-29%	-47%	7%	-27%	-10%	-4%	-100%	28%
17	KARIMGANJ	-50%	-100%	-84%		2%	-32%	-6%	24%	-58%	33%	-100%	277%
18	KOKRAJHAR	67%	-100%	33%	-50%	-56%	2%	-27%	-3%	-32%	71%	-89%	-76%
19	LAKHIMPUR	-25%	-87%	-44%	-60%	3%	26%	-20%	5%	-52%	-17%	-73%	-60%
20	MORIGAON	-100%	-70%	-34%	-65%	-16%	-30%	-52%	-35%	-3%	13%	-100%	-93%
21	N. C. HILLS	-100%	-100%	-23%	-19%	-10%	-19%	-80%	-5%	-63%	33%	-100%	-30%
22	NAGAON	-89%	-90%	-62%	-81%	-56%	-43%	-47%	-47%	-51%	-53%	-100%	-79%
23	NALBARI	140%	-70%	-54%	-58%	-32%	39%	-32%	-14%	-29%	-75%	-100%	-100%
24	SHONITPUR	54%	-91%	-26%	-75%	-41%	23%	-26%	-14%	-10%	-34%	-71%	-100%
25	SIBSAGAR	-60%	-100%	-46%	-77%	16%	7%	25%	-39%	-36%	-56%	-31%	3%
26	TINSUKIA	-47%	-100%	-70%	-62%	20%	-16%	-58%	19%	-64%	-57%	-77%	-4%
27	UDALGURI	10%	-91%	-10%	-64%	-27%	-34%	-18%	-54%	-3%	-44%	-97%	-100%
	MEGHALAYA	-97%	-97%	-37%	-21%	6%	-9%	-49%	41%	-63%	-24%	-100%	-11%
1	EAST GARO HILLS	-100%	-100%	-41%	-19%	234%	112%	1%	157%	-40%	39%	-100%	-91%
2	EAST KHASI HILLS	-67%	-92%	-50%	-49%	-27%	4%	-48%	79%	-64%	-36%	-100%	27%
3	JAINTIA HILLS	-100%	-100%	-38%	71%	-50%	-43%	-67%	-2%	-81%	-56%	-100%	158%
4	RI-BHOI	-100%	-100%	-57%	-74%	21%	-29%	-27%	22%	-27%	-14%	-100%	88%
5	SOUTH GARO HILLS	-100%	-64%	-43%	-68%	-5%	58%	11%	69%	-56%	-53%	-100%	-100%
6	WEST GARO HILLS	-100%	-100%	-58%	-70%	-7%	-32%	-35%	-18%	-49%	15%	-100%	-100%
7	WEST KHASI HILLS	-100%	-100%	-5%	-37%	5%	-24%	-60%	57%	-68%	4%	-100%	-57%
4	NMMT	-52%	-96%	-45%	-72%	-48%	-40%	-31%	-25%	-33%	-46%	-76%	353%
	NAGALAND	-65%	-93%	-31%	-72%	-28%	-18%	-32%	-20%	-37%	-37%	-93%	60%
1	DIMAPUR	-82%	-96%	-26%	-71%	-66%	-66%	-32%	-65%	-48%	-64%	-100%	-3%
2	KEPHIRE	-57%	-100%	30%	-73%	-49%	-20%	-9%	44%	-61%	27%	-100%	360%
3	KOHIMA	-92%	-100%	-44%	-54%	-47%	-42%	-30%	-49%	-41%	-30%	-100%	37%
4	LONGLENG	-88%	-61%	23%	-82%	-11%	-22%	-42%	-17%	-43%	-46%	-86%	211%
5	MOKOKCHUNG	-54%	-73%	-7%	-68%	-6%	-14%	-8%	-24%	11%	-35%	-78%	30%
6	MON	-45%	-92%	-40%	-74%	48%	39%	-40%	-39%	-59%	-31%	-30%	162%
7	PAREN	-93%	-100%	-9%	-45%	-35%	-18%	16%	-23%	-25%	-12%	-100%	132%

DISTRICT-WISE RAINFALL STATISTICS

	MET. SUBDIVISION/ UT/ STATE/DISTRICT	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
8	PHEK	-53%	-91%	25%	-62%	-42%	-38%	-46%	19%	-66%	-57%	-100%	-21%
9	TUENSANG	-64%	-100%	-34%	-86%	-41%	-24%	-54%	-25%	-52%	-46%	-100%	0%
10	WOKHA	-84%	-82%	-49%	-77%	-36%	-34%	-27%	-16%	-2%	-36%	-100%	101%
11	ZUNHEBOTO	-96%	-96%	-98%	-73%	-39%	-12%	-38%	-5%	-49%	-39%	-100%	228%
	MANIPUR	-33%	-95%	-32%	-54%	-27%	-59%	-65%	-50%	-68%	-54%	-92%	199%
1	BISHNUPUR	-98%	-98%	-74%	-78%	-16%	-65%	-62%	-59%	-85%	-82%	-91%	123%
2	CHANDEL	-94%	-94%	-84%	-85%	-33%	-74%	-79%	-78%	-70%	-85%	-75%	82%
3	CHURACHANDPUR	9%	-92%	-64%	-76%	-73%	-78%	-79%	-74%	-75%	-75%	-91%	192%
4	IMPHAL EAST	-40%	-100%	-49%	-75%	-51%	-70%	-62%	-21%	-66%	-71%	-99%	303%
5	IMPHAL WEST	-34%	-100%	7%	-35%	211%	73%	60%	129%	11%	14%	-100%	66%
6	SENAPATI	-15%	-97%	59%	-29%	-41%	-51%	-75%	-50%	-59%	-41%	-100%	260%
7	TAMENGLONG	-79%	-100%	-67%	-73%	-29%	-52%	-88%	-71%	-91%	-72%	-100%	526%
8	THOUBAL	-93%	-92%	3%	-63%	-29%	-60%	-24%	-16%	3%	-56%	-94%	451%
9	UKHRUL	-23%	-94%	-15%	3%	60%	-33%	-33%	3%	-69%	11%	-96%	199%
	MIZORAM	-73%	-99%	-66%	-75%	-65%	-35%	-20%	-19%	-18%	-48%	-55%	453%
1	AIZWAL	-48%	-100%	-71%	-66%	-62%	-52%	-39%	9%	-14%	-39%	36%	484%
2	CHAMPHAI	-85%	-98%	-85%	-78%	-82%	-19%	-22%	-28%	-53%	-63%	-57%	302%
4	KOLASIB	-36%	-100%	-20%	-71%	-53%	-19%	3%	-5%	2%	-49%	-86%	629%
5	LAWNGTLAI	-96%	-100%	-75%	-80%	-59%	-27%	-14%	-12%	11%	-41%	-84%	430%
6	LUNGLEI	-75%	-100%	-66%	-78%	-61%	-42%	-42%	-51%	-25%	-55%	-80%	516%
7	MAMIT	-80%	-100%	-56%	-77%	-75%	-42%	3%	-13%	-21%	-61%	-57%	696%
8	SAIHA	-66%	-100%	-94%	-78%	-59%	-22%	49%	-1%	12%	-19%	-94%	233%
9	SERCHHIP	-77%	-100%	-65%	-85%	-59%	-24%	-34%	-28%	-34%	-29%	-32%	276%
	TRIPURA	-5%	-100%	-35%	-85%	-51%	-38%	-2%	-2%	-8%	-39%	-69%	905%
1	DHALAI	209%	-100%	-28%	-82%	-52%	-54%	-45%	23%	-14%	-53%	-84%	984%
2	NORTH TRIPURA	-49%	-100%	22%	-83%	-53%	-53%	13%	-3%	-23%	-41%	-91%	524%
3	SOUTH TRIPURA	-84%	-100%	-95%	-90%	-55%	-13%	1%	-7%	9%	-45%	-19%	1031%
4	WEST TRIPURA	-57%	-100%	-69%	-88%	-45%	-31%	18%	-18%	3%	-20%	-69%	1211%
5	SHWB & SIKKIM	-47%	-57%	3%	-17%	17%	-3%	-22%	29%	-38%	92%	-60%	18%
	SIKKIM	-35%	-36%	36%	23%	44%	15%	12%	28%	-13%	81%	-46%	54%
1	EAST SIKKIM	-36%	-54%	15%	-29%	7%	14%	-5%	22%	-31%	126%	-78%	39%
2	NORTH SIKKIM	-22%	-28%	55%	64%	67%	28%	28%	53%	8%	66%	-27%	58%
3	SOUTH SIKKIM	-93%	-81%	-71%	-64%	-17%	-33%	-30%	-26%	-61%	23%	-96%	27%
4	WEST SIKKIM	-69%	-18%	2%	-58%	37%	10%	13%	-3%	-30%	163%	-83%	72%
	WEST BENGAL	-91%	-95%	-74%	-50%	84%	24%	4%	-1%	38%	62%	5%	615%
1	COOCH BEHAR	-100%	-100%	-13%	-41%	-21%	-25%	-12%	8%	-32%	143%	-100%	-85%
2	DARJEELING	-21%	-88%	-57%	-45%	13%	2%	-15%	42%	-17%	167%	22%	71%
3	JALPAIGURI	-9%	-77%	-31%	-29%	-32%	-7%	-35%	52%	-32%	64%	-78%	-77%
4	MALDA	-100%	-100%	-88%	-84%	236%	9%	-39%	-1%	-76%	33%	-100%	26%
5	NORTH DINAJPUR	-100%	-100%	-100%	-79%	9%	-33%	-33%	-3%	-79%	109%	-100%	37%
6	SOUTH DINAJPUR	-100%	-100%	-99%	-61%	32%	39%	-64%	17%	-65%	108%	-100%	-24%
6	GANGETIC WEST BENGAL	-99%	-96%	-84%	-55%	144%	45%	26%	-16%	77%	49%	21%	810%
1	BANKURA	-100%	-87%	-63%	14%	227%	78%	41%	-53%	87%	63%	223%	422%
2	BIRBHUM	-100%	-100%	-63%	-37%	119%	30%	-9%	-21%	-27%	40%	212%	3%
3	BURDWAN	-100%	-98%	-58%	-28%	149%	87%	42%	-8%	60%	45%	797%	929%
4	EAST MIDNAPORE	-100%	-100%	-100%	-71%	204%	38%	24%	-6%	138%	76%	-89%	1089%

DISTRICT-WISE RAINFALL STATISTICS

	MET. SUBDIVISION/ UT/ STATE/DISTRICT	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
5	HOOGHLY	-100%	-96%	-100%	-56%	157%	30%	12%	2%	33%	36%	49%	1658%
6	HOWRAH	-100%	-97%	-100%	-82%	104%	41%	50%	-10%	97%	19%	-80%	1127%
7	KOLKATA	-100%	-93%	-100%	-20%	213%	40%	39%	-34%	96%	-10%	-93%	939%
8	MURSHIDABAD	-100%	-100%	-90%	-63%	91%	44%	-8%	-13%	-44%	-42%	-11%	-55%
9	NADIA	-100%	-98%	-85%	-80%	149%	24%	-14%	5%	13%	6%	213%	1765%
10	NORTH 24 PARGANAS	-100%	-94%	-100%	-94%	153%	32%	63%	5%	67%	42%	-53%	1395%
11	PURULIA	-98%	-93%	-34%	-75%	366%	42%	43%	-31%	47%	91%	238%	189%
12	SOUTH 24 PARGANAS	-100%	-99%	-100%	-79%	60%	52%	23%	-2%	99%	56%	-92%	622%
13	WEST MIDNAPORE	-97%	-94%	-94%	-47%	133%	20%	29%	-29%	183%	77%	-10%	1796%
7	ODISHA	-90%	-83%	-78%	-23%	122%	-17%	-20%	-44%	69%	-20%	119%	639%
1	ANGUL	-100%	-96%	-81%	-76%	148%	-30%	-20%	-63%	111%	-39%	130%	580%
2	BALASORE	-100%	-100%	-99%	-42%	155%	-14%	-17%	-31%	58%	19%	-94%	848%
3	BARGARH	-85%	-76%	-63%	-82%	153%	-4%	-17%	-61%	65%	0%	15%	784%
4	BHADRAK	-95%	-100%	-88%	-43%	411%	-52%	-40%	-52%	79%	-23%	-40%	1001%
5	BOLANGIR	-100%	-89%	-98%	-93%	44%	-39%	-31%	-63%	67%	-33%	40%	181%
6	BOUDHGARH	-100%	-100%	-98%	12%	104%	-38%	11%	-75%	182%	-27%	30%	553%
7	CUTTACK	-100%	-100%	-51%	-30%	98%	23%	-23%	-31%	124%	-31%	67%	1470%
8	DEOGARH	-60%	-69%	11%	199%	513%	-15%	-20%	-56%	57%	47%	193%	888%
9	DHENKANAL	-99%	-100%	-76%	-26%	123%	-7%	-7%	-54%	146%	-43%	61%	694%
10	GAJAPATI	-11%	-99%	-88%	6%	-28%	-46%	-32%	-27%	73%	8%	176%	675%
11	GANJAM	-90%	-97%	-96%	-55%	0%	-51%	-9%	-21%	78%	-19%	366%	815%
12	JAGATSINGHPUR	-100%	-100%	-95%	-43%	286%	18%	-14%	-32%	177%	-16%	109%	3259%
13	JAJPUR	-100%	-100%	-94%	-52%	217%	-38%	-61%	-61%	80%	-17%	-12%	740%
14	JHARSUGUDA	-35%	-51%	-24%	-47%	428%	-1%	-43%	-57%	19%	-43%	91%	509%
15	KALAHANDI	-100%	-58%	-100%	-47%	62%	-28%	-27%	-52%	25%	-61%	193%	42%
16	KANDHAMAL	-100%	-80%	-100%	-44%	28%	-37%	-6%	-62%	51%	-53%	142%	302%
17	KENDRAPARA	-100%	-100%	-100%	5%	316%	29%	-24%	-39%	99%	-26%	130%	2373%
18	KEONJHARGARH	-95%	-81%	-72%	-14%	234%	-40%	-20%	-48%	57%	-16%	56%	799%
19	KHURDA	-100%	-100%	-97%	-97%	87%	1%	-20%	-19%	88%	-47%	123%	1347%
20	KORAPUT	-92%	-30%	-56%	50%	11%	35%	-34%	-16%	43%	-40%	150%	17%
21	MALKANGIRI	-100%	-6%	-100%	225%	-30%	-3%	-17%	1%	40%	12%	126%	-100%
22	MAYURBHANJ	-100%	-97%	-86%	-39%	153%	-34%	0%	-39%	68%	25%	-44%	815%
23	NAWAPARA	-100%	-73%	-100%	-72%	90%	-1%	-2%	-51%	90%	-77%	-19%	75%
24	NAWARANGPUR	-85%	-91%	-70%	14%	12%	-29%	-35%	-29%	-10%	-62%	67%	-94%
25	NAYAGARH	-100%	-100%	-69%	-60%	40%	-28%	-4%	-33%	124%	-43%	317%	1567%
26	PURI	-100%	-100%	-99%	-72%	147%	46%	-18%	-50%	164%	-53%	51%	1737%
27	RAYAGADA	-91%	-85%	-88%	-65%	-75%	-26%	-31%	-16%	44%	-37%	90%	266%
28	SAMBALPUR	-49%	-75%	-45%	-60%	193%	-9%	-23%	-68%	19%	-20%	122%	773%
29	SONEPUR	-100%	-59%	-72%	-71%	60%	-5%	-13%	-68%	111%	-5%	36%	415%
30	SUNDARGARH	-79%	-32%	14%	-29%	434%	18%	-21%	-57%	54%	84%	255%	539%
8	JHARKHAND	-92%	-84%	-38%	-63%	361%	33%	-1%	-33%	9%	50%	167%	256%
1	BOKARO	-100%	-93%	-51%	-84%	254%	36%	10%	-45%	20%	62%	248%	378%
2	CHATRA	-100%	-100%	64%	-43%	474%	6%	-11%	-56%	-39%	-13%	-73%	124%
3	DEOGHAR	-100%	-100%	-67%	-40%	118%	65%	-25%	-10%	-3%	141%	-74%	74%
4	DHANBAD	-100%	-99%	-30%	-75%	214%	108%	15%	-44%	41%	60%	405%	270%
5	DUMKA	-100%	-100%	-92%	-68%	78%	49%	-8%	-4%	-26%	36%	-44%	27%
6	EAST SINGBHM	-76%	-79%	28%	-33%	408%	9%	30%	7%	33%	66%	303%	727%

DISTRICT-WISE RAINFALL STATISTICS

	MET. SUBDIVISION/ UT/ STATE/DISTRICT	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
7	GARHWHA	-75%	-100%	-100%	-8%	734%	44%	-26%	-44%	-12%	34%	-100%	54%
8	GIRIDIH	-100%	-100%	-68%	-90%	190%	80%	-13%	-29%	-13%	100%	-2%	649%
9	GODDA	-100%	-100%	-100%	-36%	168%	2%	-22%	-19%	-57%	36%	-100%	178%
10	GUMLA	-87%	-48%	-40%	-87%	207%	-8%	-34%	-64%	-3%	-37%	289%	38%
11	HAZARIBAG	-100%	-99%	-56%	-88%	662%	70%	25%	-41%	19%	38%	-25%	593%
12	JAMTARA	-100%	-100%	-100%	-88%	138%	140%	18%	-24%	46%	30%	9%	176%
13	KHUNTI	-81%	-79%	56%	-47%	613%	4%	-18%	-35%	15%	2%	181%	78%
14	KODERMA	-97%	-99%	-77%	-85%	577%	89%	27%	-42%	-4%	77%	-99%	199%
15	LATEHAR	-100%	-100%	-41%	-86%	622%	50%	35%	-27%	7%	-44%	73%	299%
16	LOHARDAGA	-72%	-70%	-57%	-100%	633%	90%	76%	-1%	33%	-25%	64%	-76%
17	PAKUR	-100%	-100%	-92%	-66%	72%	12%	-34%	-29%	-76%	-44%	-100%	-100%
18	PALAMU	-59%	-99%	-97%	-91%	1139%	111%	-31%	-20%	-18%	59%	-100%	309%
19	RAMGARH	-100%	-91%	-39%	-90%	806%	27%	58%	-43%	18%	73%	292%	375%
20	RANCHI	-100%	-60%	-32%	-63%	457%	15%	40%	-27%	26%	1%	290%	106%
21	SAHIBGANJ	-100%	-100%	-100%	-39%	391%	40%	4%	20%	-59%	38%	-100%	-66%
22	SERAIKELA- KHARSAWAN	-100%	-73%	41%	-63%	476%	-6%	-17%	-34%	40%	76%	252%	535%
23	SIMDEGA	-98%	3%	134%	-20%	256%	37%	-49%	-45%	15%	1%	587%	144%
24	WEST SINGBHUM	-91%	-97%	-58%	-53%	349%	-21%	-1%	-45%	81%	216%	308%	513%
9	BIHAR	-98%	-95%	-82%	-70%	356%	111%	-26%	15%	-52%	208%	-100%	123%
1	ARARIA	-100%	-100%	-100%	-57%	156%	8%	-20%	22%	-72%	216%	-100%	-59%
2	ARWAL	-100%	-57%	-100%	-100%	782%	144%	-53%	3%	-70%	65%	-100%	187%
3	AURANGABAD	-97%	-92%	-100%	-100%	580%	116%	-51%	18%	-39%	176%	-100%	260%
4	BANKA	-100%	-100%	-100%	-78%	205%	54%	-24%	-18%	-41%	77%	-100%	32%
5	BEGUSARAI	-100%	-100%	-100%	-100%	460%	130%	-62%	-37%	-71%	246%	-100%	115%
6	BHABUA	-100%	-59%	-100%	-87%	771%	227%	-49%	7%	-32%	206%	-100%	131%
7	BHAGALPUR	-100%	-100%	-87%	-100%	290%	107%	-9%	-47%	-36%	163%	-100%	117%
8	BHOJPUR	-100%	-90%	-100%	-59%	534%	137%	-59%	-5%	-52%	157%	-100%	131%
9	BUXAR	-100%	-100%	-100%	-29%	915%	147%	-39%	8%	-49%	337%	-100%	61%
10	DARBHANGA	-100%	-100%	-100%	-42%	366%	188%	7%	63%	-68%	280%	-100%	34%
11	EAST CHAMPARAN	-100%	-100%	-100%	-35%	342%	97%	-34%	54%	-72%	196%	-100%	232%
12	GAYA	-88%	-97%	-93%	-92%	1030%	137%	-14%	32%	-9%	101%	-100%	348%
13	GOPALGANJ	-100%	-98%	-100%	-70%	451%	144%	-29%	5%	-45%	449%	-100%	262%
14	JAHANABAD	-93%	-78%	-100%	-87%	932%	164%	-34%	-18%	-55%	229%	-100%	162%
15	JAMUI	-92%	-100%	-100%	-85%	688%	98%	-51%	-49%	-40%	171%	-100%	58%
16	KATI HAR	-98%	-97%	-100%	-86%	279%	53%	-33%	26%	-79%	168%	-100%	-24%
17	KHAGARIA	-100%	-100%	-100%	-100%	262%	115%	-23%	-14%	-61%	205%	-100%	199%
18	KISHANGANJ	-100%	-100%	5%	-88%	143%	-8%	-19%	33%	-57%	256%	-100%	-52%
19	LAKHISARAI	-100%	-100%	-100%	-100%	698%	107%	-60%	-45%	-63%	288%	-100%	232%
20	MADHEPURA	-100%	-100%	-100%	-69%	268%	22%	-14%	16%	-60%	223%	-100%	27%
21	MADHUBANI	-100%	-100%	-100%	-74%	432%	80%	30%	22%	-69%	259%	-100%	-16%
22	MONGHYR	-99%	-99%	-100%	-97%	356%	103%	-45%	-38%	-59%	135%	-100%	133%
23	MUZAFFARPUR	-100%	-99%	-100%	-10%	373%	87%	-31%	116%	-56%	324%	-100%	30%
24	NALANDA	-100%	-84%	-100%	-91%	985%	151%	-47%	-10%	-43%	166%	-100%	147%
25	NAWADA	-85%	-100%	-96%	-100%	422%	154%	-13%	-38%	-25%	249%	-100%	93%
26	PATNA	-100%	-89%	-100%	-100%	473%	175%	-52%	-30%	-54%	103%	-100%	316%
27	PURNEA	-99%	-100%	-100%	-57%	169%	-23%	-52%	-18%	-79%	107%	-100%	-45%

DISTRICT-WISE RAINFALL STATISTICS

	MET. SUBDIVISION/ UT/ STATE/DISTRICT	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
28	ROHTAS	-100%	-91%	-100%	-24%	740%	175%	-49%	15%	-46%	222%	-100%	11%
29	SAHARSA	-100%	-100%	-100%	-100%	127%	35%	-50%	-10%	-65%	188%	-100%	63%
30	SAMASTIPUR	-100%	-100%	-100%	-100%	279%	187%	-26%	15%	-56%	333%	-100%	-39%
31	SARAN	-100%	-100%	-100%	-100%	592%	203%	-33%	2%	-37%	206%	-100%	59%
32	SHEIKHPURA	-100%	-100%	-100%	-84%	541%	94%	-45%	-16%	-49%	358%	-100%	162%
33	SHEOHAR	-100%	-100%	-100%	-25%	205%	29%	-36%	17%	-78%	167%	-100%	64%
34	SITAMARHI	-100%	-100%	-56%	-39%	303%	68%	-14%	34%	-76%	89%	-100%	56%
35	SIWAN	-100%	-100%	-100%	-100%	762%	169%	-29%	28%	-30%	388%	-100%	220%
36	SUPAUL	-100%	-100%	-100%	-55%	221%	88%	16%	82%	-63%	320%	-100%	101%
37	VAISHALI	-100%	-100%	-100%	-100%	613%	167%	-20%	88%	-38%	276%	-100%	155%
38	WEST CHAMPARAN	-100%	-100%	70%	-43%	359%	271%	21%	45%	-40%	194%	-100%	199%
	UTTAR PRADESH	-55%	-86%	-94%	-57%	418%	60%	-20%	-18%	1%	188%	-96%	-33%
10	EAST UTTAR PRADESH	-98%	-90%	-94%	-46%	465%	88%	-28%	-1%	7%	134%	-99%	-1%
1	AMBEDKAR NAGAR	-100%	-100%	-100%	-100%	580%	118%	-2%	31%	44%	61%	-100%	34%
2	AMETHI	-100%	-90%	-100%	-89%	599%	107%	-63%	-49%	91%	53%	-100%	-71%
3	AYODHYA	-100%	-100%	-86%	-100%	478%	91%	-59%	-24%	89%	74%	-100%	110%
4	AZAMGARH	-100%	-100%	-100%	-100%	116%	123%	-72%	-11%	38%	403%	-100%	148%
5	BAHRAICH	-97%	-92%	-100%	-22%	287%	70%	7%	13%	-39%	95%	-100%	44%
6	BALLIA	-100%	-88%	-100%	-14%	439%	73%	-25%	6%	-18%	404%	-100%	117%
7	BALRAMPUR	-100%	-74%	-100%	-47%	713%	117%	-21%	80%	-35%	62%	-100%	122%
8	BANDA	-91%	-79%	-79%	-100%	137%	-12%	17%	-19%	-30%	7%	-100%	-100%
9	BARABANKI	-99%	-90%	-85%	167%	389%	135%	-21%	20%	47%	133%	-96%	45%
10	BASTI	-100%	-88%	-100%	-19%	603%	63%	-53%	61%	54%	64%	-100%	-23%
11	CHANDAULI	-100%	-100%	-100%	-89%	884%	49%	-69%	-70%	-53%	282%	-100%	165%
12	CHITRAKOOT	-100%	-100%	-100%	-100%	1144%	301%	49%	35%	124%	-100%	-100%	-100%
13	DEORIA	-100%	-68%	-100%	-73%	609%	129%	-21%	19%	14%	257%	-100%	275%
14	FARRUKHABAD	-100%	-98%	-100%	-81%	108%	-59%	-40%	-69%	-18%	421%	-100%	-100%
15	FATEHPUR	-100%	-91%	-70%	-100%	355%	-46%	-1%	-37%	46%	196%	-100%	-100%
16	GHAZIPUR	-100%	-100%	-100%	-67%	323%	88%	-60%	7%	-26%	509%	-100%	249%
17	GONDA	-100%	-75%	-100%	61%	613%	102%	-23%	9%	15%	42%	-100%	62%
18	GORAKHPUR	-100%	-90%	-100%	-38%	701%	63%	-11%	0%	-18%	92%	-100%	334%
19	HARDOI	-93%	-95%	-66%	-47%	66%	-52%	-53%	-61%	-31%	75%	-100%	-97%
20	JAUNPUR	-100%	-100%	-100%	-100%	225%	8%	-86%	-52%	-56%	-9%	-100%	-55%
21	KANNAUJ	-78%	-92%	-100%	-46%	76%	10%	-14%	-40%	102%	342%	-100%	-78%
22	KANPUR CITY	-89%	-67%	-59%	149%	201%	48%	2%	-45%	-15%	102%	-89%	-44%
23	KANPUR DEHAT	-92%	-94%	-71%	-1%	103%	-40%	-35%	-74%	-34%	14%	-87%	-65%
24	KAUSHAMBI	-100%	-100%	-100%	-100%	975%	48%	-60%	6%	-5%	-37%	-100%	-100%
25	KHERI	-87%	-95%	-100%	-82%	271%	200%	25%	13%	-14%	334%	-100%	-72%
26	KUSHI NAGAR	-100%	-100%	-100%	-74%	321%	31%	-58%	73%	-8%	253%	-100%	23%
27	LUCKNOW	-97%	0%	-95%	197%	391%	64%	-43%	-19%	55%	177%	-99%	-54%
28	MAHARAJGANJ	-100%	-100%	-66%	-29%	994%	139%	-15%	29%	-20%	63%	-100%	288%
29	MAU	-100%	-100%	-100%	-100%	450%	103%	-40%	-34%	-59%	80%	-100%	-35%
30	MIRZAPUR	-100%	-99%	-100%	-60%	709%	167%	-38%	-33%	-36%	-4%	-100%	-43%
31	PRATAPGARH	-100%	-100%	-100%	-100%	644%	211%	-15%	79%	104%	222%	-100%	0%
32	PRAYAGRAJ	-100%	-97%	-100%	-55%	902%	193%	-33%	48%	39%	-54%	-100%	-52%
33	RAE BAREILLY	-100%	-83%	-100%	-100%	429%	59%	-58%	-42%	9%	-25%	-100%	-96%

DISTRICT-WISE RAINFALL STATISTICS

	MET. SUBDIVISION/ UT/ STATE/DISTRICT	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
34	SANT KABIR NAGAR	-100%	-90%	-100%	39%	687%	50%	-41%	61%	45%	146%	-100%	83%
35	SANT RAVIDAS NAGAR	-100%	-100%	-100%	-100%	653%	306%	-48%	-31%	15%	16%	-100%	76%
36	SHRAWASTI NAGAR	-100%	-93%	-100%	16%	531%	134%	-24%	39%	-65%	96%	-100%	89%
37	SIDDHARTH NAGAR	-99%	-97%	-87%	-88%	848%	43%	-34%	45%	-40%	42%	-100%	14%
38	SITAPUR	-100%	-90%	-95%	13%	66%	36%	-17%	-35%	46%	273%	-100%	-84%
39	SONBHADRA	-98%	-76%	-95%	-97%	922%	99%	-1%	11%	-20%	21%	-100%	-34%
40	SULTANPUR	-99%	-76%	-100%	-100%	655%	103%	-68%	32%	40%	112%	-100%	47%
41	UNNAO	-96%	-83%	-100%	47%	221%	-21%	-46%	-48%	4%	57%	-100%	-85%
42	VARANASI	-100%	-97%	-100%	-82%	952%	245%	-38%	-23%	-20%	143%	-100%	144%
11	WEST UTTAR PRADESH	7%	-82%	-93%	-75%	325%	-3%	-7%	-43%	-12%	315%	-91%	-77%
1	AGRA	-58%	-99%	-42%	-83%	492%	-70%	-2%	-64%	5%	223%	-96%	-79%
2	ALIGARH	298%	-44%	-57%	-82%	318%	-21%	21%	-61%	-15%	315%	-100%	-83%
3	AURAIYA	-40%	-81%	-100%	58%	63%	-14%	29%	-64%	-15%	3%	-100%	-100%
4	BADAUN	8%	-78%	-100%	-100%	390%	43%	-53%	-39%	-55%	159%	-100%	-96%
5	BAGHPAT	24%	-91%	-100%	-89%	287%	-47%	12%	-33%	214%	269%	-100%	-23%
6	BAREILLY	-15%	-79%	-88%	-22%	439%	74%	16%	-25%	-44%	904%	-100%	-74%
7	BIJNOR	-13%	-81%	-100%	-81%	283%	18%	13%	-30%	-2%	715%	-100%	-89%
8	BULANDSHAHAR	133%	-86%	-98%	-96%	212%	-31%	-49%	-57%	18%	622%	-100%	-100%
9	ETAH	-66%	-100%	-100%	-11%	499%	47%	103%	-30%	6%	203%	-100%	-43%
10	ETAWAH	-91%	-93%	-93%	-47%	323%	-59%	25%	-58%	-5%	23%	-100%	-85%
11	FIROZABAD	-73%	-100%	-100%	-9%	355%	-46%	5%	-44%	25%	167%	-100%	-70%
12	GAUTAM BUDDHA NAGAR	-45%	-100%	-85%	-100%	192%	-64%	-70%	-70%	-1%	429%	-100%	-67%
13	GHAZIABAD	39%	-100%	-100%	-100%	240%	-80%	-51%	-62%	41%	353%	-100%	-81%
14	HAMIRPUR	-100%	-76%	-79%	-39%	178%	104%	34%	-10%	0%	333%	-100%	64%
15	HAPUR	11%	-88%	-94%	-100%	322%	-16%	-57%	-65%	11%	507%	-100%	-75%
16	JALAUN	-97%	-98%	-71%	33%	486%	25%	7%	-39%	-19%	189%	5%	30%
17	JHANSI	-96%	-85%	-75%	-100%	300%	-27%	-28%	-18%	-9%	76%	-100%	-24%
18	JYOTIBA PHULE NAGAR	67%	-85%	-100%	-80%	174%	-34%	-67%	-63%	-17%	535%	-100%	-100%
19	KANSHIRAM NAGAR	-48%	-89%	-100%	-100%	277%	18%	11%	-39%	-52%	218%	-100%	-67%
20	LALITPUR	-94%	-100%	-100%	-100%	341%	-82%	-27%	15%	-19%	90%	-100%	-73%
21	MAHAMAYA NAGAR	199%	-79%	-70%	-54%	746%	3%	114%	-51%	56%	477%	-71%	-100%
22	MAHOBA	-100%	-57%	-95%	-100%	138%	-45%	-47%	-6%	-56%	107%	-100%	-36%
23	MAINPURI	-68%	-100%	-100%	-100%	497%	2%	-16%	-53%	16%	70%	-100%	-95%
24	MATHURA	388%	-61%	-52%	-100%	363%	-34%	-16%	-70%	78%	244%	-100%	-100%
25	MEERUT	97%	-82%	-99%	-78%	368%	-5%	-9%	-53%	23%	630%	-100%	-81%
26	MORADABAD	124%	-89%	-100%	0%	466%	91%	-2%	-41%	-24%	472%	-100%	-86%
27	MUZAFFARNAGAR	79%	-76%	-96%	-78%	427%	-17%	67%	-42%	3%	748%	-100%	-84%
28	PILIBHIT	-57%	-87%	-100%	-100%	77%	-13%	-42%	-79%	-76%	259%	-100%	-95%
29	RAMPUR	43%	-77%	-100%	-100%	346%	67%	-30%	-82%	-78%	450%	-100%	-100%
30	SAHARANPUR	-48%	-62%	-100%	-100%	81%	-41%	11%	-35%	13%	93%	-100%	-100%
31	SAMBHAL	225%	-76%	-100%	-62%	717%	88%	-17%	-29%	30%	626%	-100%	-98%
32	SHAHJAHANPUR	-89%	-97%	-100%	-80%	297%	-2%	-14%	-64%	-37%	310%	-100%	-93%
33	SHAMLI	-44%	-81%	-100%	-100%	50%	-38%	-52%	-75%	-2%	261%	-100%	-95%
12	UTTARAKHAND	-34%	-71%	-80%	66%	168%	48%	-9%	-23%	10%	476%	-86%	-14%
1	ALMORA	-19%	-75%	-86%	84%	198%	85%	-11%	-44%	-9%	1035%	-100%	-66%

DISTRICT-WISE RAINFALL STATISTICS

	MET. SUBDIVISION/ UT/ STATE/DISTRICT	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
2	BAGESHWAR	-34%	-72%	-78%	85%	378%	214%	133%	159%	185%	1139%	-71%	9%
3	CHAMOLI	-30%	-76%	-69%	88%	146%	283%	18%	9%	128%	615%	-87%	3%
4	CHAMPAWAT	-56%	-88%	-98%	-53%	307%	59%	-32%	-53%	-77%	595%	-100%	-63%
5	DEHRADUN	-21%	-51%	-85%	90%	173%	-3%	3%	-32%	1%	78%	-100%	-30%
6	GARHWAL PAURI	-53%	-77%	-92%	-2%	184%	25%	-36%	-49%	-43%	430%	-100%	-81%
7	GARHWAL TEHRI	-46%	-75%	-87%	71%	148%	33%	-8%	-24%	16%	259%	-100%	-69%
8	HARDWAR	-29%	-73%	-100%	-75%	210%	3%	-14%	-39%	-23%	166%	-100%	-98%
9	NAINITAL	-4%	-73%	-94%	29%	259%	27%	-19%	-8%	-40%	813%	-100%	-42%
10	PITHORAGARH	-44%	-79%	-83%	26%	94%	33%	-25%	-7%	-6%	472%	-62%	89%
11	RUDRAPRAYAG	-48%	-69%	-76%	13%	144%	55%	-22%	-56%	37%	331%	-97%	-38%
12	UDHAM SINGH NAGAR	-37%	-72%	-85%	38%	394%	13%	-18%	3%	-49%	833%	-100%	-65%
13	UTTARKASHI	-29%	-61%	-71%	182%	127%	-30%	1%	-57%	56%	100%	-86%	63%
13	HAR. CHD & DELHI	49%	-70%	-65%	-44%	141%	1%	63%	-47%	136%	164%	-99%	-57%
	HARYANA	48%	-70%	-64%	-43%	142%	3%	63%	-48%	139%	156%	-99%	-57%
1	AMBALA	-56%	-43%	-79%	11%	30%	-33%	-16%	-66%	7%	89%	-100%	-87%
2	BHIWANI	98%	-94%	-37%	-48%	29%	-9%	19%	-77%	188%	85%	-100%	-39%
3	CHARKHI DADRI	89%	-100%	-100%	-57%	115%	-38%	37%	-63%	220%	136%	-100%	-15%
4	FARIDABAD	88%	-88%	43%	-74%	294%	-34%	-31%	-34%	119%	339%	-100%	-58%
5	FATEHABAD	-54%	-92%	-69%	-66%	-39%	66%	174%	-34%	162%	7%	-100%	46%
6	GURGAON	143%	-94%	-53%	-65%	489%	-59%	112%	-41%	158%	213%	-100%	-20%
7	HISAR	-3%	-79%	-47%	-73%	-31%	29%	105%	-79%	343%	128%	-90%	-58%
8	JHAJJAR	277%	-89%	100%	-12%	518%	21%	188%	-21%	214%	521%	-100%	-38%
9	JIND	35%	-76%	-96%	-84%	93%	18%	127%	-67%	81%	-75%	-100%	-78%
10	KAITHAL	50%	-29%	-88%	-42%	165%	-10%	184%	-22%	141%	136%	-100%	-22%
11	KARNAL	29%	-48%	-91%	-93%	49%	-9%	108%	-56%	38%	213%	-100%	-98%
12	KURUKSHETRA	-17%	-15%	-68%	-74%	316%	2%	70%	-40%	88%	67%	-100%	-82%
13	MAHENDRAGARH	223%	-99%	141%	-35%	134%	-39%	90%	-54%	226%	111%	-100%	-52%
14	NUH	14%	-68%	-76%	-62%	446%	-25%	64%	-47%	73%	376%	-100%	-17%
15	PALWAL	262%	-69%	-100%	-65%	330%	-7%	58%	-64%	93%	420%	-100%	-57%
16	PANCHKULA	-75%	-57%	-92%	-31%	-9%	-69%	-45%	-53%	-6%	172%	-100%	-99%
17	PANIPAT	185%	-36%	-100%	-90%	150%	-33%	83%	-17%	177%	63%	-100%	-72%
18	REWARI	201%	-98%	55%	20%	322%	-30%	116%	-50%	158%	323%	-100%	-31%
19	ROHTAK	101%	-84%	-94%	-45%	130%	-37%	44%	-64%	145%	5%	-100%	-58%
20	SIRSA	-23%	-100%	-87%	127%	-51%	276%	-32%	-53%	172%	69%	-100%	-81%
21	SONEPAT	173%	-64%	-96%	-46%	218%	41%	86%	-4%	290%	57%	-100%	-71%
22	YAMUNA NAGAR	-52%	-70%	-96%	-47%	120%	-22%	9%	-47%	59%	188%	-100%	-36%
	CHANDIGARH (UT)	-85%	-68%	-82%	-3%	87%	-8%	-48%	-44%	19%	85%	-98%	-98%
	DELHI	111%	-92%	-92%	-66%	156%	-52%	73%	-32%	101%	385%	-100%	-45%
1	CENTRAL DELHI		-100%	-100%	-100%	-100%	-87%	105%	0%	361%	811%	-100%	-100%
2	EAST DELHI	154%	-100%	-72%	-82%	252%	-70%	4%	-40%	167%	718%	-100%	-72%
3	NEW DELHI	247%	-89%	-84%	-88%	203%	-61%	173%	-11%	210%	958%	-100%	94%
4	NORTH DELHI	192%	-77%	-85%	-63%	162%	-40%	182%	60%	132%	773%	-100%	-48%
5	NORTH EAST DELHI	159%	-70%	-82%	-98%	61%	-68%	-55%	-47%	106%	288%	-100%	-73%
6	NORTH WEST DELHI	17%	-100%	-100%	-72%	-25%	-39%	101%	-13%	108%	459%	-100%	-47%
7	SOUTH DELHI	153%	-97%	-83%	-69%	552%	-65%	20%	-44%	95%	453%	-100%	-7%
8	SOUTH WEST DELHI	166%	-88%	-93%	-38%	78%	-58%	108%	-34%	87%	246%	-100%	-51%

DISTRICT-WISE RAINFALL STATISTICS

	MET. SUBDIVISION/ UT/ STATE/DISTRICT	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
9	WEST DELHI	74%	-86%	-100%	-50%	317%	-25%	43%	-89%	16%	157%	-100%	-100%
14	PUNJAB	-50%	-91%	-71%	40%	34%	-1%	-1%	-56%	77%	288%	-97%	-99%
1	AMRITSAR	-28%	-92%	-69%	-13%	9%	-44%	-21%	-71%	124%	142%	-98%	-100%
2	BARNALA	-46%	-100%	-61%	42%	64%	-61%	-24%	-58%	-1%	421%	-100%	-100%
3	BHATINDA	-50%	-100%	-91%	99%	93%	11%	-2%	7%	108%	587%	-100%	-92%
4	FARIDKOT	-94%	-100%	-35%	7%	-68%	69%	11%	11%	246%	147%	-100%	-100%
5	FATEHGARH SAHIB	-78%	-76%	-85%	-25%	76%	-11%	-7%	-73%	80%	481%	-100%	-94%
6	FAZILKA	-18%	-100%	-71%	-41%	-47%	-61%	-68%	-99%	108%	258%	-100%	-100%
7	FEROZEPUR	-29%	-100%	-70%	44%	-37%	-19%	13%	-17%	97%	285%	-100%	-100%
8	GURDASPUR	-34%	-91%	-75%	102%	17%	11%	10%	-79%	60%	307%	-84%	-99%
9	HOSHIARPUR	-59%	-89%	-87%	99%	-35%	-4%	-3%	-73%	55%	187%	-100%	-100%
10	JALANDHAR	-57%	-84%	-81%	-2%	5%	57%	16%	-38%	128%	518%	-92%	-100%
11	KAPURTHALA	-3%	-83%	-48%	100%	111%	105%	152%	-33%	547%	1210%	-46%	-96%
12	LUDHIANA	-65%	-88%	-73%	17%	99%	66%	52%	-58%	106%	461%	-100%	-100%
13	MANSA	-75%	-100%	-50%	19%	24%	-30%	-7%	-79%	-63%	289%	-100%	-100%
14	MOGA	-58%	-100%	-59%	-46%	64%	31%	2%	-23%	35%	107%	-100%	-100%
15	MUKTSAR	-43%	-100%	-76%	112%	40%	25%	8%	-43%	166%	210%	-100%	-100%
16	PATHANKOT	-25%	-94%	-80%	58%	132%	15%	52%	-57%	58%	261%	-99%	-100%
17	PATIALA	-76%	-85%	-67%	-15%	80%	-10%	21%	-28%	11%	348%	-100%	-94%
18	RUPNAGAR	-61%	-96%	-78%	107%	-4%	13%	-29%	-53%	76%	312%	-100%	-99%
19	SANGRUR	-80%	-86%	-56%	33%	49%	-34%	-34%	-67%	1%	159%	-100%	-100%
20	SAS NAGAR (MOHALI)	-72%	-47%	-66%	-12%	116%	-1%	-40%	-81%	42%	91%	-100%	-100%
21	SBS NAGAR	-51%	-86%	-80%	45%	40%	1%	-11%	-47%	31%	219%	-100%	-100%
22	TARN TARAN	26%	-79%	-16%	260%	44%	4%	-12%	-79%	124%	82%	-100%	-100%
15	HIMACHAL PRADESH	-57%	-81%	-62%	70%	-10%	-16%	6%	-44%	34%	106%	-95%	-60%
1	BILASPUR	-66%	-97%	-74%	141%	-63%	-11%	-1%	-36%	87%	151%	-93%	-76%
2	CHAMBA	-49%	-76%	-62%	46%	4%	-23%	-33%	-64%	-43%	80%	-88%	-70%
3	HAMIRPUR	-57%	-94%	-79%	87%	-31%	-44%	27%	-31%	45%	47%	-94%	-85%
4	KANGRA	-41%	-85%	-84%	137%	38%	-34%	31%	-45%	11%	140%	-96%	-85%
5	KINNAUR	-51%	-90%	-58%	64%	-5%	-5%	-6%	-31%	23%	228%	-100%	-42%
6	KULLU	-49%	-70%	-40%	166%	7%	-1%	91%	-40%	122%	161%	-99%	9%
7	LAHAUL & SPITI	-55%	-87%	-58%	44%	-60%	-50%	-50%	-93%	-54%	88%	-95%	-52%
8	MANDI	-73%	-77%	-40%	164%	60%	-15%	16%	-5%	68%	4%	-96%	-30%
9	SHIMLA	-66%	-42%	-41%	122%	46%	-13%	14%	-37%	94%	71%	-95%	-66%
10	SIRMAUR	-40%	-59%	-77%	85%	149%	12%	-13%	-61%	76%	79%	-94%	-72%
11	SOLAN	-65%	-33%	-67%	144%	69%	4%	-14%	-38%	35%	141%	-94%	-85%
12	UNA	-50%	-91%	-71%	170%	14%	17%	1%	-52%	26%	339%	-97%	-94%
16	J & K AND LADAKH	-6%	-73%	-32%	-19%	-24%	-48%	4%	-60%	-25%	183%	-85%	-74%
	JAMMU & KASHMIR (UT)	-6%	-73%	-32%	-19%	-24%	-48%	4%	-60%	-25%	183%	-85%	-74%
1	ANANTNAG	28%	-57%	-20%	-20%	-62%	-54%	36%	-64%	9%	254%	-99%	-63%
2	BADGAM	79%	-68%	-15%	26%	-56%	-57%	5%	-62%	-40%	252%	-95%	-52%
3	BANDIPORE	-56%	-65%	-32%	33%	-56%	-79%	80%	-67%	-73%	113%	-85%	-53%
4	BARAMULA	-9%	-64%	29%	27%	0%	-46%	20%	-5%	-52%	125%	-68%	-37%
5	DODA	-28%	-72%	-56%	6%	14%	-53%	18%	-47%	-76%	106%	-58%	-76%
6	GANDERBAL	25%	-44%	174%	40%	-28%	-73%	145%	-43%	37%	117%	-92%	-45%
7	JAMMU	9%	-94%	-84%	-29%	-7%	-36%	-11%	-57%	0%	258%	-100%	-99%

DISTRICT-WISE RAINFALL STATISTICS

	MET. SUBDIVISION/ UT/ STATE/DISTRICT	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
8	KATHUA	-57%	-98%	-88%	-56%	16%	-60%	-15%	-81%	13%	67%	-100%	-100%
9	KISTWAR	-55%	-81%	-75%	-100%	-80%	-94%	-36%	-79%	-70%	118%	-83%	-87%
10	KULGAM	-30%	-66%	8%	9%	-40%	-38%	19%	-67%	-10%	305%	-100%	-74%
11	KUPWARA	-31%	-28%	36%	-22%	-71%	-60%	8%	-63%	-23%	11%	-88%	-77%
12	POONCH	67%	-34%	14%	36%	16%	-49%	-12%	-27%	-18%	187%	-98%	91%
13	PULWAMA	104%	-65%	24%	13%	-41%	-28%	76%	-77%	-21%	388%	-100%	-15%
14	RAJOURI	132%	-81%	-40%	-11%	58%	-37%	-15%	-80%	-59%	2228%	-100%	-89%
15	RAMBAN	-13%	-78%	-37%	13%	9%	-34%	12%	-65%	-32%	219%	-98%	-73%
16	REASI	7%	-90%	-50%	-21%	48%	-8%	-1%	-53%	21%	350%	-100%	-81%
17	SAMBA	-97%	-100%	-98%	-100%	-97%	52%	30%	-80%	-20%	99%	-43%	-100%
18	SHOPIAN	-40%	-62%	-46%	-58%	-83%	-59%	-58%	-97%	-65%	163%	-100%	-80%
19	SRINAGAR	102%	-75%	61%	60%	-27%	-49%	57%	-36%	145%	237%	-90%	-51%
20	UDHAMPUR	97%	-89%	-74%	-17%	159%	16%	60%	-29%	-1%	343%	-97%	-83%
	LADAKH (UT)	-73%	-50%	-43%	8%	-39%	-80%	-10%	-90%	-11%	19%	-97%	-73%
1	KARGIL	-18%	72%	94%	34%	-91%	-72%	35%	-94%	24%	178%	-87%	-92%
2	LADAKH (LEH)	-90%	-88%	-86%	0%	-23%	-83%	-24%	-88%	-21%	-34%	-100%	-67%
	RAJASTHAN	147%	-99%	-51%	-57%	301%	6%	-15%	-15%	175%	109%	137%	87%
17	EAST RAJASTHAN	252%	-97%	-5%	-75%	487%	-15%	-11%	7%	120%	138%	228%	118%
1	AJMER	364%	-100%	-34%	-100%	821%	-5%	-37%	0%	168%	136%	-12%	-54%
2	ALWAR	130%	-92%	-25%	-79%	233%	-58%	43%	-25%	82%	56%	-100%	-57%
3	BANSWARA	-55%	-100%	-100%	-100%	664%	9%	-18%	-65%	147%	-25%	-56%	129%
4	BARAN	133%	-100%	115%	-83%	363%	-39%	-9%	146%	-4%	280%	169%	353%
5	BHARATPUR	284%	-84%	17%	-73%	496%	-15%	48%	-39%	55%	196%	-100%	-100%
6	BHILWARA	110%	-100%	-74%	-100%	557%	-6%	-49%	-1%	169%	337%	112%	109%
7	BUNDI	904%	-100%	-32%	-94%	343%	-60%	-6%	124%	125%	140%	208%	372%
8	CHITTORGARH	230%	-100%	-86%	-100%	708%	42%	-43%	-24%	173%	313%	604%	822%
9	DAUSA	429%	-100%	67%	-100%	459%	-13%	0%	24%	79%	-42%	-100%	-67%
10	DHOLPUR	117%	-100%	11%	-42%	1062%	-36%	17%	-10%	24%	115%	-94%	-62%
11	DUNGARPUR	112%	-100%	-100%	-100%	2752%	-1%	-36%	-75%	186%	-79%	110%	36%
12	JAIPUR	169%	-99%	96%	-70%	431%	-46%	7%	5%	98%	177%	-94%	-12%
13	JHALAWAR	-100%	-100%	-3%	-100%	72%	-9%	-1%	65%	59%	-57%	-100%	31%
14	JHUNJHUNU	382%	-100%	0%	110%	63%	-51%	26%	-61%	212%	29%	-100%	-99%
15	KARAUJI	441%	-100%	32%	-100%	416%	-16%	17%	8%	28%	462%	-81%	-93%
16	KOTA	759%	-100%	191%	-99%	322%	-52%	-11%	140%	61%	198%	390%	380%
17	PRATAPGARH	329%	-100%	-100%	-100%	986%	46%	25%	-41%	247%	135%	111%	-4%
18	RAJSAMAND	119%	-100%	-100%	-100%	600%	27%	-45%	-59%	219%	46%	259%	369%
19	SAWAI MADHOPUR	562%	-100%	-52%	-84%	327%	-32%	30%	92%	22%	164%	-24%	47%
20	SIKAR	345%	-100%	43%	-69%	258%	-19%	11%	5%	349%	76%	-100%	-34%
21	SIROHI	-100%	-100%	-100%	-64%	342%	-15%	-54%	-86%	125%	-60%	322%	446%
22	TONK	176%	-71%	-8%	-100%	502%	-44%	-9%	50%	54%	284%	-95%	-38%
23	UDAIPUR	-54%	-100%	-55%	-100%	1024%	12%	-50%	-66%	173%	29%	995%	603%
18	WEST RAJASTHAN	25%	-100%	-78%	-47%	172%	36%	-21%	-56%	283%	61%	-66%	42%
1	BARMER	-100%	-100%	-100%	-94%	27%	0%	-46%	-84%	302%	-100%	-100%	-94%
2	BIKANER	-85%	-100%	-80%	-13%	11%	38%	-41%	-36%	294%	84%	-100%	-64%
3	CHURU	207%	-100%	-60%	25%	61%	42%	48%	-49%	376%	-78%	-100%	-96%
4	HANUMANGARH	-31%	-100%	-49%	87%	-18%	40%	27%	-95%	171%	752%	-100%	-47%
5	JAISALMER	-100%	-100%	-100%	-83%	333%	124%	71%	-90%	364%	-46%	-100%	100%

DISTRICT-WISE RAINFALL STATISTICS

	MET. SUBDIVISION/ UT/ STATE/DISTRICT	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
6	JALORE	-100%	-100%	-100%	16%	313%	23%	-53%	-84%	225%	-97%	10%	500%
7	JODHPUR	-31%	-100%	-99%	-100%	339%	11%	-48%	-52%	280%	162%	-100%	402%
8	NAGAUUR	300%	-100%	-71%	-90%	391%	-23%	-36%	32%	367%	83%	-100%	41%
9	PALI	119%	-100%	-100%	-89%	457%	60%	-49%	-64%	150%	33%	7%	367%
10	SRI GANGANAGAR	-29%	-100%	-21%	2%	32%	45%	-56%	-97%	99%	1022%	-100%	-97%
	MADHYA PRADESH	-69%	-45%	7%	-59%	752%	38%	-10%	-20%	30%	75%	-57%	18%
19	EAST MADHYA PRADESH	-90%	-34%	-36%	-54%	997%	45%	-22%	-44%	8%	-16%	-75%	16%
1	ANUPPUR	-87%	68%	-85%	-41%	343%	18%	-5%	-13%	37%	-46%	-100%	48%
2	BALAGHAT	-85%	42%	-27%	-98%	348%	3%	-27%	-72%	48%	-48%	-33%	27%
3	CHHATARPUR	-90%	-64%	-87%	-100%	829%	-6%	-17%	-42%	-13%	34%	-100%	-33%
4	CHHINDWARA	-76%	-33%	-46%	-61%	579%	75%	-24%	-53%	37%	4%	-5%	9%
5	DAMOH	-97%	-25%	17%	49%	1523%	-20%	-37%	-63%	-3%	-76%	-100%	19%
6	DINDORI	-100%	53%	-10%	-30%	1310%	27%	0%	-48%	28%	1%	-46%	28%
7	JABALPUR	-99%	-13%	-43%	-3%	610%	15%	-30%	-76%	2%	-32%	-52%	35%
8	KATNI	-100%	-78%	-25%	74%	6066%	55%	-33%	-63%	-3%	-32%	-100%	63%
9	MANDLA	-90%	-3%	-58%	-91%	1001%	65%	-27%	-55%	21%	-6%	-22%	50%
10	NARSINGHPUR	-100%	-84%	-1%	-100%	199%	136%	-24%	-64%	-10%	-23%	-96%	8%
11	NIWARI	-100%	-24%	-100%	-100%	880%	-36%	10%	54%	43%	401%	-100%	-41%
12	PANNA	-99%	-74%	-47%	2%	1848%	-45%	-26%	-50%	-7%	-53%	-100%	-23%
13	REWA	-100%	-97%	-100%	-62%	1820%	101%	-29%	5%	3%	-50%	-100%	89%
14	SAGAR	-86%	-48%	230%	-54%	883%	50%	-31%	-36%	-1%	-1%	-100%	-20%
15	SATNA	-99%	-92%	-77%	-92%	1603%	19%	-7%	-33%	-22%	14%	-100%	-7%
16	SEONI	-65%	3%	-65%	-81%	816%	35%	-33%	-66%	17%	11%	-98%	-5%
17	SHAHDOL	-100%	-40%	-74%	-2%	1471%	91%	-15%	-18%	-11%	-9%	-100%	90%
18	SIDHI	-100%	-92%	-74%	-94%	987%	124%	-23%	-3%	-32%	-83%	-100%	-4%
19	SINGRAULI	-86%	-83%	-93%	-70%	2863%	181%	28%	38%	18%	-48%	-100%	-14%
20	TIKAMGARH	-67%	-67%	-3%	-20%	366%	7%	-37%	-17%	28%	65%	-100%	-84%
21	UMARIA	-98%	-36%	-35%	12%	1614%	54%	-4%	-50%	-15%	-30%	-100%	29%
20	WEST MADHYA PRADESH	-30%	-68%	89%	-68%	493%	30%	1%	2%	52%	157%	-45%	21%
1	AGAR-MALWA	-53%	-100%	-100%	-100%	750%	-7%	49%	17%	153%	197%	-100%	-82%
2	ALIRAJPUR	169%	-100%	219%	-5%	136%	-18%	51%	-52%	133%	160%	54%	552%
3	ASHOKNAGAR	-63%	-100%	19%	1025%	2948%	57%	-11%	79%	51%	75%	-100%	-42%
4	BARWANI	262%	-100%	-92%	-100%	229%	-33%	-27%	-28%	101%	54%	27%	283%
5	BETUL	-85%	23%	51%	42%	705%	66%	20%	-46%	23%	81%	-3%	-41%
6	BHIND	-71%	-72%	220%	9%	824%	-29%	91%	-22%	25%	200%	-71%	-67%
7	BHOPAL	-60%	-100%	370%	-36%	370%	143%	-39%	-23%	34%	106%	-100%	-66%
8	BURHANPUR	-94%	-85%	-32%	-74%	-49%	-24%	-12%	-25%	111%	221%	-67%	-92%
9	DATIA	-91%	-81%	-58%	-100%	540%	-18%	-11%	-7%	7%	327%	-77%	22%
10	DEWAS	-25%	-64%	92%	-100%	20%	60%	-17%	-30%	80%	194%	-100%	-76%
11	DHAR	141%	188%	-100%	-100%	-11%	-15%	-32%	-55%	42%	114%	-12%	527%
12	GUNA	-84%	-99%	252%	-100%	869%	16%	41%	169%	31%	257%	-94%	-3%
13	GWALIOR	-67%	-99%	169%	-97%	488%	-48%	24%	-17%	-7%	148%	-25%	-9%
14	HARDA	-55%	-82%	6%	-100%	589%	67%	-32%	-53%	38%	193%	-100%	-100%
15	HOSHANGABAD	-95%	-69%	-29%	-99%	256%	81%	-36%	-45%	-13%	66%	-91%	-85%
16	INDORE	124%	-100%	15%	-100%	381%	8%	-35%	-35%	114%	321%	-99%	193%
17	JHABUA	425%	543%	-100%	-100%	71%	37%	-19%	-27%	94%	-8%	-27%	324%

DISTRICT-WISE RAINFALL STATISTICS

	MET. SUBDIVISION/ UT/ STATE/DISTRICT	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
18	KHANDWA	-70%	-26%	-31%	-100%	10%	-11%	7%	-32%	73%	206%	-89%	-86%
19	KHARGONE	-60%	23%	15%	-100%	41%	-25%	-33%	-50%	68%	87%	-90%	115%
20	MANDSAUR	141%	-100%	-99%	-100%	762%	20%	15%	-3%	55%	52%	59%	448%
21	MORENA	-38%	-100%	135%	-100%	915%	-25%	-17%	-11%	67%	70%	-67%	-56%
22	NEEMUCH	764%	-100%	-100%	-100%	1242%	25%	-4%	-19%	283%	251%	499%	961%
23	RAISEN	-83%	-80%	358%	-100%	644%	90%	-35%	-18%	13%	11%	-100%	3%
24	RAJGARH	-82%	-100%	142%	-100%	775%	33%	40%	31%	84%	184%	-100%	-39%
25	RATLAM	-56%	-100%	-100%	-100%	749%	28%	20%	-31%	115%	65%	-65%	98%
26	SEHORE	-94%	-85%	143%	-100%	322%	85%	-24%	-47%	31%	232%	-100%	-95%
27	SHAJAPUR	-36%	-100%	118%	-100%	254%	45%	25%	-22%	82%	217%	-100%	-90%
28	SHEOPUR	239%	-100%	31%	-100%	695%	-34%	57%	191%	72%	671%	210%	151%
29	SHIVPURI	-84%	-95%	294%	-64%	817%	0%	15%	155%	14%	185%	3%	125%
30	UJJAIN	9%	-100%	-71%	-100%	594%	22%	36%	-11%	43%	163%	-9%	23%
31	VIDISHA	-75%	-71%	258%	-85%	1009%	93%	-10%	26%	18%	165%	-99%	-55%
	GUJARAT	62%	-91%	-100%	141%	1289%	-13%	-43%	-78%	268%	45%	25%	642%
21	GUJARAT REGION	147%	-75%	-100%	-62%	1130%	-1%	-44%	-72%	154%	9%	116%	1008%
1	AHMEDABAD	-100%	-100%	-100%	-100%	1114%	1%	-62%	-89%	150%	-53%	-95%	27%
2	ANAND	-100%	-100%	-100%	-100%	3268%	79%	-46%	-93%	249%	-44%	-98%	233%
3	ARAVALLI	281%	-100%	-100%	-100%	2197%	-27%	-59%	-89%	155%	-91%	-65%	194%
4	BANASKANTHA	-100%	-100%	-100%	-9%	217%	37%	-59%	-89%	169%	-67%	459%	149%
5	BHARUCH	-100%	-100%	-100%	-100%	2527%	3%	-57%	-60%	217%	136%	-54%	2145%
6	CHHOTA UDEPUR	583%	-100%	-100%	-100%	248%	-44%	-8%	-60%	171%	64%	50%	2015%
7	DADARA & NAGAR HAVELI	-100%	-100%	-100%	-100%	1447%	23%	-14%	-42%	233%	184%	56%	##### #
8	DAHOD	-75%	-100%	-100%	-100%	493%	-52%	-43%	-70%	77%	27%	-89%	232%
9	DAMAN	-100%	-100%	-100%	-100%	3133%	-15%	-16%	12%	146%	-34%	233%	##### #
10	DANGS	2075%	256%	-100%	-100%	36%	-32%	-35%	-61%	55%	9%	83%	1649%
11	GANDHINAGAR	-100%	-100%	-100%	-100%	1203%	-26%	-61%	-91%	184%	-56%	-19%	-3%
12	KHEDA	-100%	-100%	-100%	-100%	2461%	43%	-67%	-91%	159%	-83%	-100%	385%
13	MAHISAGAR	-100%	-100%	-100%	-64%	1689%	2%	-50%	-87%	122%	-62%	-94%	582%
14	MEHSANA	-100%	-100%	-100%	-100%	619%	31%	-43%	-91%	146%	-98%	518%	-39%
15	NARMADA	1942%	-100%	-100%	-100%	713%	-10%	-34%	-65%	209%	10%	68%	2372%
16	NAVSARI	967%	-100%	-100%	-100%	2097%	-4%	-34%	-53%	134%	2%	171%	6976%
17	PANCHMAHAL	-100%	43%	-100%	-100%	649%	-3%	-49%	-80%	121%	-21%	-69%	569%
18	PATAN	-100%	-100%	-100%	-100%	456%	85%	-34%	-86%	154%	-29%	567%	-66%
19	SABARKANTHA	-100%	-100%	-100%	150%	1308%	2%	-48%	-85%	161%	-39%	695%	103%
20	SURAT	2491%	-100%	-100%	-100%	1974%	8%	-45%	-41%	204%	87%	77%	4993%
21	TAPI	9700%	-100%	-100%	-100%	116%	-54%	-45%	-61%	72%	42%	81%	1422%
22	VADODARA	-100%	-100%	-100%	-100%	909%	-11%	-53%	-82%	132%	121%	-85%	782%
23	VALSAD	512%	-29%	-100%	2757%	3169%	-7%	-24%	-34%	174%	92%	226%	19K%
22	SAURASHTRA & KUTCH	-100%	-100%	-100%	560%	1476%	-27%	-40%	-87%	453%	81%	-47%	155%
1	AMRELI	-100%	-100%	-100%	1900%	5685%	-21%	-32%	-33%	275%	-27%	-98%	529%
2	BHAVNAGAR	-100%	-100%	-100%	67%	5391%	27%	-72%	-70%	263%	10%	-100%	1529%
3	BOTAD	-100%	-100%	-100%	3400%	2440%	4%	-19%	-87%	250%	-16%	-100%	-100%
4	DEVBHOMI DWARKA	-100%	-100%	-100%	-100%	-99%	-21%	-21%	-92%	988%	305%	-40%	82%

DISTRICT-WISE RAINFALL STATISTICS

	MET. SUBDIVISION/ UT/ STATE/DISTRICT	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
5	DIU	-100%	-100%	-100%	-100%	7183%	-75%	-60%	-13%	468%	-74%	-100%	18K%
6	GIR SOMNATH	-100%	-100%	-100%	-100%	6302%	-76%	-31%	-80%	424%	25%	-97%	6608%
7	JAMNAGAR	-100%	-100%	-100%	344%	1233%	-41%	-26%	-95%	750%	32%	-97%	7%
8	JUNAGADH	-100%	-100%	-100%	122%	3051%	-67%	-28%	-82%	641%	77%	-50%	81%
9	KUTCH	-100%	-100%	-100%	1065%	171%	-9%	-50%	-98%	491%	122%	38%	9%
10	MORBI	-100%	-100%	-100%	64K%	1148%	-24%	-35%	-95%	315%	88%	-29%	-100%
11	PORBANDAR	-100%	-100%	-100%	-100%	108%	-82%	-9%	-93%	694%	-4%	-100%	-100%
12	RAJKOT	-100%	-100%	-100%	524%	1193%	-30%	-24%	-90%	576%	148%	-98%	-73%
13	SURENDRANAGAR	-100%	-100%	-100%	167%	1239%	-22%	-67%	-92%	207%	85%	-98%	60%
	DADARA & NAGAR HAVELI	-100%	-100%	-100%	-100%	1447%	23%	-14%	-42%	233%	184%	56%	##### ##
	DAMAN & DIU	-100%	-100%	-100%	-100%	3421%	-27%	-22%	9%	175%	-43%	94%	75K%
1	DAMAN	-100%	-100%	-100%	-100%	3133%	-15%	-16%	12%	146%	-34%	233%	##### ##
2	DIU	-100%	-100%	-100%	-100%	7183%	-75%	-60%	-13%	468%	-74%	-100%	18K%
23	KONKAN & GOA	1029%	4799%	-83%	93%	471%	40%	34%	-48%	114%	5%	220%	1266%
	GOA	1638 %	##### ##	-76%	363%	214%	5%	19%	-51%	83%	43%	412%	762%
1	NORTH GOA	4254 %	9383 %	-100%	228%	221%	14%	22%	-50%	87%	60%	448%	761%
2	SOUTH GOA	1083 %	##### ##	-58%	482%	206%	-2%	16%	-51%	79%	28%	377%	755%
	MAHARASHTRA	44%	72%	16%	58%	163%	29%	20%	-37%	95%	16%	27%	342%
1	MUMBAI CITY	-25%	-100%	-100%	-100%	1527 %	-1%	10%	-43%	56%	-48%	31%	2721 %
2	MUMBAI SUBURBAN	-78%	-67%	-100%	-100%	1161 %	90%	36%	-38%	127%	-84%	86%	2364 %
3	PALGHAR	-50%	-100%	-100%	-100%	2018 %	42%	1%	-37%	171%	-19%	-50%	5967 %
4	RAIGAD	1004 %	11311 %	11%	-98%	187%	49%	29%	-58%	82%	-14%	52%	1546 %
5	RATNAGIRI	2364 %	51329 %	-100%	-70%	472%	51%	55%	-51%	111%	-27%	180%	858%
6	SINDHUDURG	-100%	829%	-100%	38%	568%	23%	55%	-34%	121%	14%	336%	826%
7	THANE	-100%	-100%	-100%	-100%	443%	56%	15%	-48%	140%	99%	395%	3353 %
24	MADHYA MAHARASHTRA	875%	277%	49%	132%	85%	21%	23%	-34%	64%	26%	61%	709%
1	AHMEDNAGAR	1968 %	-23%	48%	-100%	-59%	12%	29%	28%	47%	79%	108%	462%
2	DHULE	1937 %	1506 %	500%	-100%	137%	-37%	-12%	35%	195%	85%	-63%	1178 %
3	JALGAON	3%	176%	121%	-100%	475%	2%	-25%	-24%	201%	130%	24%	-38%
4	KOLHAPUR	1979 %	659%	-100%	154%	134%	41%	40%	-51%	67%	-8%	265%	828%
5	NANDURBAR	2567 %	-100%	-67%	-100%	-48%	-32%	-50%	-50%	193%	-28%	-23%	1180 %
6	NASHIK	839%	510%	155%	335%	51%	0%	20%	-28%	109%	40%	-33%	919%
7	PUNE	4241 %	320%	53%	175%	130%	29%	26%	-62%	25%	21%	73%	964%
8	SANGLI	117%	567%	-90%	191%	10%	27%	39%	-52%	-59%	-37%	41%	1152 %

DISTRICT-WISE RAINFALL STATISTICS

	MET. SUBDIVISION/ UT/ STATE/DISTRICT	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
9	SATARA	821%	442%	6%	41%	159%	58%	61%	-63%	-4%	-3%	8%	1067%
10	SHOLAPUR	-100%	-85%	9%	173%	79%	43%	64%	-9%	11%	17%	114%	461%
25	MARATHWADA	-44%	235%	1%	9%	56%	31%	36%	-7%	137%	34%	-20%	-1%
1	AURANGABAD	491%	-69%	-79%	85%	141%	4%	12%	21%	206%	92%	-38%	-36%
2	BEED	-44%	944%	96%	54%	78%	44%	48%	31%	127%	46%	-100%	-100%
3	HINGOLI	-100%	23%	-28%	-100%	-100%	13%	0%	-48%	103%	19%	-100%	-100%
4	JALNA	-75%	-100%	-59%	420%	-80%	63%	48%	9%	221%	61%	-79%	-43%
5	LATUR	-100%	142%	-100%	-100%	-100%	26%	23%	-6%	85%	6%	79%	251%
6	NANDED	-100%	-13%	84%	-50%	232%	20%	41%	-31%	119%	-21%	108%	-93%
7	OSMANABAD	-100%	886%	-69%	95%	125%	12%	37%	5%	74%	54%	23%	710%
8	PARBHANI	-100%	260%	79%	-57%	25%	75%	71%	-26%	169%	31%	-49%	-79%
26	VIDARBHA	-92%	-46%	13%	0%	150%	19%	-4%	-43%	87%	-2%	-61%	75%
1	AKOLA	-44%	-100%	-65%	-100%	-64%	-51%	26%	-38%	105%	30%	-91%	-40%
2	AMRAOTI	-100%	-34%	13%	137%	257%	24%	-27%	-56%	89%	51%	-88%	11%
3	BHANDARA	-100%	-48%	17%	-100%	76%	42%	-9%	-53%	62%	-95%	-28%	138%
4	BULDHANA	-100%	19%	118%	-38%	283%	-3%	-20%	-35%	128%	65%	-78%	-12%
5	CHANDRAPUR	-100%	-68%	-77%	45%	155%	37%	18%	-55%	53%	-9%	-7%	205%
6	GADCHIROLI	-100%	-72%	-93%	-18%	127%	2%	-12%	-50%	48%	-42%	25%	232%
7	GONDIA	-58%	-28%	13%	-85%	362%	-1%	-15%	-47%	83%	-54%	-69%	209%
8	NAGPUR	-84%	-28%	48%	-68%	237%	34%	5%	-38%	98%	-55%	-78%	17%
9	WARDHA	-100%	-51%	171%	105%	107%	32%	-8%	-42%	105%	-61%	-86%	-48%
10	WASHIM	-100%	-100%	193%	154%	208%	32%	10%	-31%	127%	102%	-87%	18%
11	YEOTMAL	-98%	-7%	37%	4%	38%	38%	0%	-13%	127%	11%	-77%	35%
27	CHHATTISGARH	-79%	3%	-62%	46%	318%	26%	-12%	-39%	48%	-34%	126%	314%
1	BALOD	-100%	15%	-70%	708%	1208%	35%	-43%	-69%	113%	-65%	281%	2419%
2	BALODA BAZAR	18%	-39%	-60%	-100%	432%	97%	-13%	-54%	40%	-26%	-36%	685%
3	BALRAMPUR	-71%	-28%	-41%	-3%	1925%	22%	4%	-53%	12%	-21%	-27%	283%
4	BASTAR	-100%	-47%	-93%	-4%	60%	-38%	-19%	-3%	43%	-2%	210%	-100%
5	BEMETARA	-18%	202%	-95%	31%	417%	80%	6%	-38%	68%	18%	17%	90%
6	BIJAPUR	-100%	82%	-93%	234%	569%	32%	-19%	-41%	50%	-12%	192%	-100%
7	BILASPUR	-63%	3%	-69%	-94%	201%	30%	13%	-32%	80%	-27%	-49%	173%
8	DANTEWADA	-100%	-89%	-75%	799%	682%	-14%	-33%	-12%	67%	-51%	311%	58%
9	DHAMTARI	-100%	-44%	-80%	-6%	281%	52%	-41%	-50%	67%	-51%	235%	931%
10	DURG	-100%	97%	-11%	-70%	1839%	60%	-28%	-46%	87%	-81%	657%	3906%
11	GARIABAND	-100%	4%	-63%	-9%	331%	26%	-22%	-45%	82%	-68%	266%	715%
12	JANJGIR	-63%	5%	-16%	-98%	209%	32%	7%	-52%	46%	-44%	81%	287%
13	JASHPUR	-99%	-44%	-64%	-58%	156%	0%	-32%	-43%	1%	-33%	277%	24%
14	KABIRDHAM	-74%	4%	-82%	-93%	182%	79%	11%	-47%	95%	74%	-85%	474%
15	KANKER	-100%	-30%	-87%	99%	303%	10%	-39%	-51%	49%	-28%	378%	341%
16	KONDAGAON	-100%	319%	-64%	-34%	408%	-9%	2%	-41%	54%	-63%	-100%	-100%
17	KORBA	-55%	73%	-17%	-65%	650%	102%	-9%	-44%	50%	-23%	26%	436%
18	KORIYA	-91%	43%	-78%	-41%	1613%	31%	-26%	-12%	-6%	-36%	-87%	141%
19	MAHASAMUND	-100%	-100%	-100%	4%	295%	8%	-12%	-69%	69%	-70%	-100%	1282%

DISTRICT-WISE RAINFALL STATISTICS

	MET. SUBDIVISION/ UT/ STATE/DISTRICT	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
20	MUNGELI	-79%	-17%	-58%	-81%	218%	-5%	24%	-47%	116%	-40%	-73%	279%
21	NARAYANPUR	-100%	223%	-61%	333%	508%	15%	8%	-30%	73%	-52%	540%	-92%
22	RAIGARH	-68%	-56%	7%	-100%	107%	5%	-24%	-56%	11%	-60%	187%	438%
23	RAIPUR	-75%	-65%	-77%	-87%	189%	33%	-27%	-67%	36%	-44%	252%	1042 %
24	RAJNANDGAON	-84%	-11%	-85%	145%	348%	0%	-15%	-44%	103%	-12%	-52%	329%
25	SUKMA	-100%	-57%	-84%	468%	150%	122%	58%	-10%	19%	-35%	96%	-52%
26	SURAJPUR	-64%	14%	-56%	-41%	1089 %	31%	1%	6%	31%	-56%	52%	546%
27	SURGUJA	-80%	-30%	-37%	-95%	313%	-15%	-29%	-40%	-2%	-61%	27%	59%
	ANDHRA PRADESH	119%	-8%	-96%	37%	27%	5%	55%	-1%	16%	-28%	175%	-31%
28	COASTAL A. P. & YANAM	10%	-52%	-95%	18%	13%	-22%	37%	4%	46%	-48%	109%	-44%
1	EAST GODAVARI	-92%	-82%	-98%	23%	-1%	-31%	64%	8%	57%	-68%	43%	-95%
2	GUNTUR	-100%	-46%	-100%	-12%	-2%	24%	30%	65%	9%	-45%	69%	-97%
3	KRISHNA	-100%	-69%	-100%	11%	31%	1%	71%	3%	25%	-48%	82%	-96%
4	PRAKASAM	-73%	9%	-100%	29%	59%	-36%	45%	-7%	-35%	-45%	94%	-80%
5	SPSR NELLORE	238%	49%	-100%	23%	-66%	-37%	56%	-32%	-17%	-45%	156%	-35%
6	SRIKAKULAM	-21%	-99%	-100%	-7%	14%	-31%	13%	-13%	75%	-17%	155%	660%
7	VISHAKHAPATNAM	-93%	-99%	-72%	23%	29%	-10%	-16%	12%	144%	-62%	54%	-24%
8	VIZIANAGARAM	-66%	-99%	-96%	39%	9%	-31%	5%	34%	112%	-24%	83%	-19%
9	WEST GODAVARI	-100%	-97%	-99%	3%	16%	-45%	62%	-29%	71%	-59%	96%	-99%
10	YANAM	-100%	-100%	-100%	120%	-69%	-26%	9%	-16%	41%	-19%	145%	-100%
29	RAYALASEEMA	534%	167%	-100%	70%	52%	60%	98%	-11%	-32%	13%	330%	-8%
1	ANANTAPURAMU	243%	301%	-100%	123%	61%	92%	121%	3%	-67%	48%	507%	-27%
2	CHITTOOR	401%	41%	-100%	67%	-30%	42%	129%	26%	15%	8%	212%	0%
3	KURNOOL	729%	246%	-100%	20%	91%	31%	50%	-43%	-55%	-30%	268%	-95%
4	YSR DISTRICT	1394 %	202%	-100%	58%	112%	87%	112%	-20%	-13%	23%	454%	14%
30	TELANGANA	-78%	-74%	-97%	33%	43%	50%	57%	-15%	78%	-36%	39%	-77%
1	ADILABAD	-100%	-78%	-96%	-43%	128%	79%	62%	5%	143%	5%	77%	-15%
2	B. KOTHAGUDEM	-100%	-100%	-100%	191%	47%	-16%	43%	-20%	158%	6%	44%	-4%
3	HYDERABAD	-71%	-36%	-100%	9%	187%	3%	97%	-31%	49%	62%	-61%	-100%
4	J. BHUPALPALLY	-100%	-52%	-100%	152%	34%	43%	2%	-42%	125%	-67%	41%	-100%
5	JAGTIAL	-91%	-94%	-100%	-96%	-49%	34%	94%	-32%	124%	-30%	-68%	-100%
6	JANGAON	-99%	-100%	-100%	15%	-19%	79%	67%	9%	34%	-52%	112%	-100%
7	JOGULAMBA GADWAL	357%	-96%	-100%	-41%	130%	-15%	55%	-36%	-58%	-23%	112%	-100%
8	KAMAREDDY	-35%	-88%	-87%	-49%	105%	112%	54%	-12%	123%	-59%	146%	-100%
9	KARIMNAGAR	-81%	-96%	-100%	-30%	-45%	96%	73%	20%	132%	-24%	2%	-100%
10	KHAMMAM	-100%	-100%	-100%	-55%	-1%	15%	56%	-29%	64%	-59%	25%	-99%
11	KUMARAM BHEEM	-100%	-70%	-100%	27%	195%	96%	72%	13%	89%	-37%	72%	-17%
12	M. MALKAJGIRI	-99%	-72%	-100%	-48%	36%	62%	29%	-9%	66%	-29%	4%	-100%
13	MAHABUBABAD	-100%	-70%	-100%	-4%	-18%	108%	76%	1%	154%	-48%	90%	-100%
14	MAHABUBNAGAR	-56%	-100%	-100%	118%	10%	12%	85%	-3%	12%	-34%	-14%	-92%
15	MANCHERIAL	-95%	-93%	-100%	-64%	-4%	45%	17%	-40%	37%	-71%	12%	-100%
16	MEDAK	-95%	-100%	-52%	-5%	-14%	55%	32%	-31%	85%	-42%	-28%	-100%
17	MULUGU	-100%	-39%	-97%	221%	93%	35%	10%	-45%	106%	-25%	9%	-100%
18	NAGARKURNOOL	-57%	-86%	-100%	-37%	146%	-20%	35%	-23%	-17%	-17%	14%	-63%

DISTRICT-WISE RAINFALL STATISTICS

	MET. SUBDIVISION/ UT/ STATE/DISTRICT	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
19	NALGONDA	-91%	-100%	-100%	31%	30%	56%	41%	33%	6%	-64%	120%	-85%
20	NARAYANPET	233%	-82%	-91%	238%	246%	83%	152%	-2%	40%	-7%	83%	-95%
21	NIRMAL	-100%	20%	-100%	48%	113%	49%	144%	-28%	149%	-2%	-57%	-100%
22	NIZAMABAD	-96%	-50%	-100%	-39%	7%	60%	70%	-37%	157%	-40%	-59%	-96%
23	PEDDAPALLE	-84%	-100%	-100%	-53%	-35%	55%	7%	-47%	78%	-76%	-42%	-100%
24	RAJANNA SIRCILLA	-42%	-100%	-100%	-90%	85%	136%	127%	39%	258%	-21%	99%	-100%
25	RANGAREDDY	38%	-72%	-100%	66%	56%	0%	82%	-19%	15%	15%	42%	4%
26	SANGAREDDY	4%	-99%	-90%	43%	33%	30%	9%	-25%	75%	-54%	-50%	-100%
27	SIDDIPET	-84%	-100%	-100%	-88%	-50%	122%	101%	39%	71%	-37%	19%	-100%
28	SURYAPET	-100%	-100%	-100%	-41%	29%	36%	53%	-10%	19%	-43%	13%	-60%
29	VIKARABAD	-42%	-100%	-74%	70%	16%	-8%	68%	3%	35%	-37%	0%	-100%
30	WANAPARTHY	-70%	-96%	-95%	-23%	66%	-38%	61%	-67%	-36%	-16%	65%	-100%
31	WARANGAL_RURAL	-100%	3%	-100%	133%	-38%	103%	60%	-35%	124%	-65%	1%	-100%
32	WARANGAL_URBAN	-100%	-29%	-100%	85%	-12%	101%	56%	63%	87%	-64%	93%	-100%
33	Y. BHUVANAGIRI	-92%	22%	-100%	63%	68%	140%	134%	46%	71%	-60%	28%	-79%
31	TAMIL. PUDU.& KARAIKAL	799%	-3%	-66%	-7%	19%	21%	70%	-4%	-1%	29%	137%	-35%
	TAMILNADU	803%	-7%	-66%	-7%	19%	21%	70%	-4%	-1%	29%	137%	-34%
1	ARIYALUR	975%	-50%	-100%	-19%	-38%	125%	26%	-35%	13%	63%	141%	-55%
2	CHENGALPATTU	861%	-41%	-100%	25%	-19%	-61%	33%	-18%	-29%	3%	185%	-39%
3	CHENNAI	783%	-85%	-100%	114%	-41%	-4%	42%	2%	-6%	-22%	170%	29%
4	COIMBATORE	985%	80%	-67%	-5%	174%	16%	68%	39%	77%	113%	113%	4%
5	CUDDALORE	1017 %	256%	-98%	-62%	58%	43%	72%	-3%	13%	15%	179%	-54%
6	DHARMAPURI	942%	-53%	-100%	50%	-47%	14%	87%	-18%	-44%	-11%	161%	-20%
7	DINDIGUL	1029 %	16%	-80%	27%	-18%	138%	26%	-13%	-46%	19%	80%	-63%
8	ERODE	862%	150%	-99%	123%	-33%	-21%	36%	37%	-30%	89%	64%	18%
9	KALLAKURICHI	542%	-67%	-100%	-99%	-4%	-30%	97%	-11%	-14%	12%	204%	-48%
10	KANCHEEPURAM	699%	-7%	-100%	18%	10%	-35%	75%	-5%	-13%	14%	153%	-19%
11	KANYAKUMARI	495%	-99%	-30%	-24%	327%	-52%	14%	-35%	33%	59%	188%	22%
12	KARUR	1375 %	-100%	-100%	-37%	-61%	57%	97%	53%	4%	70%	82%	-13%
13	KRISHNAGIRI	834%	16%	-100%	26%	-20%	-34%	109%	-25%	-19%	-17%	229%	-46%
14	MADURAI	1041 %	-97%	-96%	-40%	-7%	30%	92%	-18%	1%	-13%	63%	-7%
15	MAYILADUTHURAI	592%	65%	-100%	-37%	-11%	11%	39%	-4%	11%	25%	89%	-54%
16	NAGAPATTINAM	515%	-99%	-100%	-28%	-2%	1%	105%	-32%	16%	25%	84%	-73%
17	NAMAKKAL	818%	-4%	-100%	18%	-65%	85%	69%	-47%	-19%	41%	156%	39%
18	NILGIRIS	501%	83%	28%	7%	115%	35%	56%	0%	4%	44%	43%	-25%
19	PERAMBALUR	873%	-59%	-100%	27%	14%	240%	245%	-12%	12%	37%	173%	-13%
20	PUDUKKOTTAI	1052%	-90%	-99%	-60%	-22%	42%	-32%	-35%	26%	66%	109%	-56%
21	RAMANATHAPURAM	697%	-79%	-99%	-52%	27%	93%	-43%	-32%	22%	4%	77%	-68%
22	RANIPET	327%	-100%	-100%	-27%	66%	6%	70%	11%	50%	31%	179%	4%
23	SALEM	652%	65%	-100%	15%	-33%	54%	92%	-39%	11%	4%	103%	-26%
24	SIVAGANGA	1212 %	-69%	-38%	-35%	12%	40%	-15%	-46%	52%	59%	121%	-63%
25	TENKASI	414%	-28%	61%	-80%	217%	-35%	11%	18%	-37%	29%	81%	73%
26	THANJAVUR	938%	-85%	-100%	-39%	-14%	10%	17%	25%	16%	37%	130%	-73%

DISTRICT-WISE RAINFALL STATISTICS

	MET. SUBDIVISION/ UT/ STATE/DISTRICT	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
27	THENI	609%	-84%	-6%	-39%	145%	179%	140%	28%	-36%	29%	99%	83%
28	TIRUNELVELI	902%	41%	-20%	-64%	293%	15%	110%	24%	4%	73%	120%	-19%
29	TIRUPATTUR	391%	-100%	-100%	37%	-26%	-38%	134%	45%	48%	-19%	385%	-32%
30	TIRUPPUR	1758 %	118%	-100%	48%	-57%	33%	52%	10%	-28%	33%	93%	-2%
31	TIRUVALLUR	641%	-20%	-100%	0%	5%	-11%	113%	18%	-36%	-9%	164%	-21%
32	TIRUVANNAMALAI	339%	111%	-100%	-10%	-13%	-41%	135%	1%	34%	23%	187%	-3%
33	TIRUVARUR	931%	-95%	-100%	-14%	-8%	8%	12%	-29%	30%	60%	110%	-85%
34	TOOTHUKUDI	663%	-94%	-77%	-28%	54%	273%	57%	30%	-11%	11%	115%	-73%
35	TRICHY	1136 %	-71%	-45%	-57%	-23%	113%	123%	-7%	-8%	43%	163%	-55%
36	VELLORE	585%	-49%	-100%	26%	43%	5%	82%	22%	15%	25%	151%	-47%
37	VILLUPURAM	571%	213%	-100%	-93%	53%	-6%	164%	19%	-19%	58%	259%	-45%
38	VIRUDHUNAGAR	579%	-73%	-51%	15%	19%	54%	42%	-30%	-34%	-32%	100%	38%
	PUDUCHERRY (UT)	611%	470%	-98%	-79%	2%	-39%	13%	20%	2%	45%	146%	-75%
1	KARAIKAL	483%	-9%	-100%	-97%	-10%	-55%	5%	1%	-18%	56%	106%	-83%
2	MAHE	985%	7767 %	57%	-67%	127%	-45%	-39%	8%	58%	124%	192%	20%
3	PUDUCHERRY	821%	995%	-100%	-87%	-4%	-31%	37%	35%	2%	43%	174%	-70%
4	YANAM	-100%	-100%	-100%	120%	-69%	-26%	9%	-16%	41%	-19%	145%	-100%
	KARNATAKA	796%	416%	-68%	50%	70%	12%	18%	-22%	0%	48%	277%	118%
32	COASTAL KARNATAKA	3590%	1661%	112%	178%	202%	-12%	-8%	-39%	66%	55%	281%	269%
1	DAKSHINA KANNADA	3092%	341%	-8%	94%	162%	-27%	-17%	-35%	21%	76%	238%	-24%
2	UDUPI	7563%	1452%	0%	155%	188%	-16%	-12%	-25%	76%	84%	366%	100%
3	UTTARA KANNADA	3689%	6131%	343%	301%	248%	-1%	-1%	-47%	87%	26%	288%	605%
33	N. I. KARNATAKA	168%	104%	-86%	43%	62%	54%	56%	-8%	-8%	-17%	179%	104%
1	BAGALKOTE	173%	41%	-99%	-14%	13%	41%	100%	14%	-35%	-56%	132%	121%
2	BELAGAVI	400%	589%	-67%	66%	87%	64%	63%	-33%	-34%	17%	202%	589%
3	BIDAR	-7%	-97%	-86%	-8%	-23%	68%	40%	-21%	53%	-21%	0%	-85%
4	DHARWAD	666%	330%	-70%	93%	58%	89%	47%	-30%	-55%	-3%	202%	367%
5	GADAG	2065%	1577%	-86%	73%	147%	13%	102%	5%	-44%	5%	231%	-37%
6	HAVERI	5550%	313%	-45%	16%	38%	34%	34%	-31%	-28%	60%	271%	50%
7	KALABURGI	-88%	-36%	-99%	74%	95%	37%	89%	12%	49%	-26%	98%	-65%
8	KOPPAL	297%	-44%	-99%	32%	40%	112%	57%	22%	-21%	5%	227%	-65%
9	RAICHUR	-65%	52%	-99%	19%	29%	78%	5%	-46%	-35%	-20%	329%	-100%
10	VIJAYAPURA	-86%	-92%	-99%	68%	75%	19%	58%	19%	-15%	-71%	97%	162%
11	YADGIR	-100%	94%	-97%	-77%	31%	46%	6%	8%	-10%	-46%	127%	-23%
34	S. I. KARNATAKA	1108 %	511%	-83%	38%	37%	15%	26%	-15%	-21%	88%	318%	94%
1	BALLARI	678%	-89%	-81%	5%	48%	47%	51%	9%	-27%	-9%	353%	30%
2	BENGALURU RURAL	658%	504%	-100%	10%	-24%	46%	120%	3%	-19%	63%	391%	121%
3	BENGALURU URBAN	879%	101%	-100%	13%	-10%	70%	97%	1%	-39%	109%	392%	11%
4	CHAMARAJANAGAR	196%	-16%	-100%	-26%	-14%	7%	194%	65%	-48%	42%	233%	-41%
5	CHIKABALLAPURA	350%	382%	-100%	139%	19%	7%	113%	32%	-55%	135%	409%	-7%
6	CHIKKAMAGALURU	2806%	1652%	-79%	9%	91%	17%	2%	-29%	2%	105%	271%	207%
7	CHITRADURGA	1579%	1153%	-100%	20%	104%	82%	169%	28%	-75%	116%	342%	190%
8	DAVANGERE	3462%	390%	-23%	-20%	63%	74%	125%	10%	-60%	144%	154%	132%

DISTRICT-WISE RAINFALL STATISTICS

	MET. SUBDIVISION/ UT/ STATE/DISTRICT	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
9	HASSAN	1522%	822%	-100%	24%	58%	-15%	7%	-57%	-22%	69%	313%	319%
10	KODAGU	1619%	522%	-77%	79%	108%	-17%	-11%	-39%	41%	54%	127%	-44%
11	KOLAR	410%	322%	-100%	122%	23%	66%	202%	101%	46%	55%	450%	-36%
12	MANDYA	356%	335%	-100%	78%	-9%	-10%	180%	34%	-41%	117%	410%	338%
13	MYSURU	391%	206%	-79%	-39%	-47%	-24%	17%	11%	-57%	131%	346%	106%
14	RAMANAGARA	1173%	224%	-100%	96%	0%	-17%	-12%	-13%	-30%	44%	308%	123%
15	SHIVAMOGGA	5736%	2429%	2%	120%	114%	12%	6%	-34%	55%	66%	286%	25%
16	TUMAKURU	261%	572%	-100%	99%	4%	85%	67%	10%	-63%	146%	434%	218%
35	KERALA & MAHE	1156%	-39%	52%	21%	155%	-36%	-20%	-2%	22%	94%	157%	22%
	KERALA	1156%	-39%	52%	21%	155%	-36%	-20%	-2%	22%	94%	157%	22%
1	ALAPUZHA	482%	-95%	33%	-16%	166%	-43%	-22%	21%	22%	30%	140%	-57%
2	CANNUR	1987%	1578 %	-22%	123%	137%	-42%	-33%	-4%	60%	121%	188%	-41%
3	ERNAKULAM	1039%	-99%	145%	17%	154%	-32%	0%	19%	1%	88%	131%	-32%
4	IDUKKI	1035%	-34%	32%	10%	129%	-26%	-16%	-21%	-10%	94%	197%	66%
5	KASARGOD	5914%	533%	171%	87%	71%	-41%	-21%	-10%	43%	103%	267%	29%
6	KOLLAM	536%	-72%	42%	-29%	207%	-38%	-34%	17%	54%	77%	175%	73%
7	KOTTAYAM	1133%	-98%	86%	45%	202%	-12%	7%	46%	54%	88%	204%	99%
8	KOZHIKODE	4751%	87%	93%	-43%	137%	-39%	-12%	5%	46%	121%	170%	20%
9	MALAPPURAM	5411%	113%	-14%	54%	106%	-38%	-36%	0%	21%	79%	65%	-26%
10	PALAKKAD	1522%	-67%	72%	10%	120%	-50%	-29%	-17%	27%	130%	58%	128%
11	PATHANAMTHITTA	1215%	-26%	46%	85%	249%	-22%	2%	29%	27%	148%	271%	51%
12	THIRUVANANTHAPURAM	394%	-87%	18%	-28%	306%	-55%	-8%	20%	24%	76%	128%	-49%
13	THRISSUR	1339%	-75%	62%	3%	122%	-44%	-14%	-10%	-4%	67%	146%	-21%
14	WYNAD	919%	182%	4%	37%	93%	-40%	-34%	-38%	18%	61%	120%	-39%
1	MAHE	985%	7767%	57%	-67%	127%	-45%	-39%	8%	58%	124%	192%	20%
36	LAKSHADWEEP	988%	403%	-13%	172%	160%	-52%	-47%	43%	-6%	12%	32%	-6%

The statistics and chart for category-wise distribution of districts for different months have been given at Table 28 and Figure 118 respectively, it shows that during months of Jan, Feb, March, April and November the more number of districts are in below normal category (Deficient/Large Deficient/No Rain/ No Data).

Table 28: Category-wise Number of Districts - Monthly - Year 2021

CATEGORY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
L. EXCESS	179	70	45	104	440	144	94	33	229	321	191	251
EXCESS	13	14	33	57	55	146	110	69	120	80	34	55
NORMAL	32	27	50	89	93	192	221	193	152	102	34	60
DEFICIENT	104	71	113	135	78	180	236	285	139	138	48	106
L. DEFICIENT	165	294	219	189	24	33	34	115	55	52	133	144
NO RAIN	201	219	234	118	3	0	0	0	0	2	254	78
NO DATA	1	0	1	3	2	0	0	0	0	0	1	1

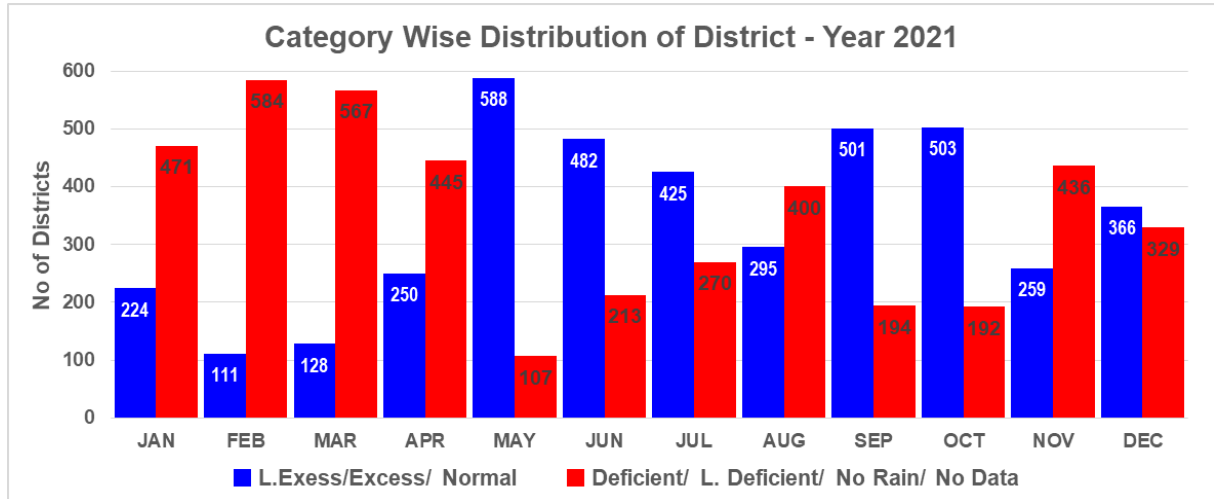


Figure 118: Monthly Distribution of no. of Districts in different categories – 2021

7. ANNUAL AND MONSOON RAINFALL FROM 2000 TO 2021

The annual and monsoon rainfall and their respective departures from normal rainfall from the years 2000 to 2021 are shown in Table 30 and Figure 119. Of the last 22 years, 2021 has proved to be the second year after 2005 that had reported maximum +ve % departures from Normal despite –ve % of the Monsoon season (99% of LPA). Till 2021, though 20 years have been declared as Normal Monsoon year with but annually +ve % departures were reported only in four years viz 2005 ,2010, 2013, and 2019 and Monsoon season wise in the years 2003,. 2007, 2010, 2013 and 2019.

Table 30: SW Monsoon and Annual Rainfall (2000-2021)

YEAR	SW – MONSOON RAINFALL (mm)		ANNUAL RAINFALL (mm)	
	RAINFALL	% DEPARTURE	RAINFALL	% DEPARTURE
2000	798.1	-10%	1035.4	-13%
2001	818.8	-8%	1100.7	-7%
2002	700.5	-21%	935.9	-21%
2003	902.9	2%	1187.3	0%
2004	807.1	-9%	1106.5	-7%
2005	874.3	-1%	1208.3	2%
2006	889.3	0%	1161.6	-2%
2007	943.0	6%	1179.3	-1%
2008	877.8	-1%	1118.0	-6%
2009	698.3	-21%	953.7	-20%
2010	911.1	3%	1215.5	2%
2011	901.3	2%	1116.3	-6%
2012	823.9	-7%	1054.7	-11%
2013	937.4	6%	1242.6	5%
2014	781.7	-12%	1044.7	-12%
2015	765.8	-14%	1085.0	-9%
2016	864.4	-3%	1083.2	-9%
2017	845.9	-5%	1127.1	-5%
2018	804.1	-9%	1020.8	-14%
2019	971.0	10%	1288.8	10%
2020	961.4	9%	1289.6	10%

2021	874.5	-1%	1236.4	5%
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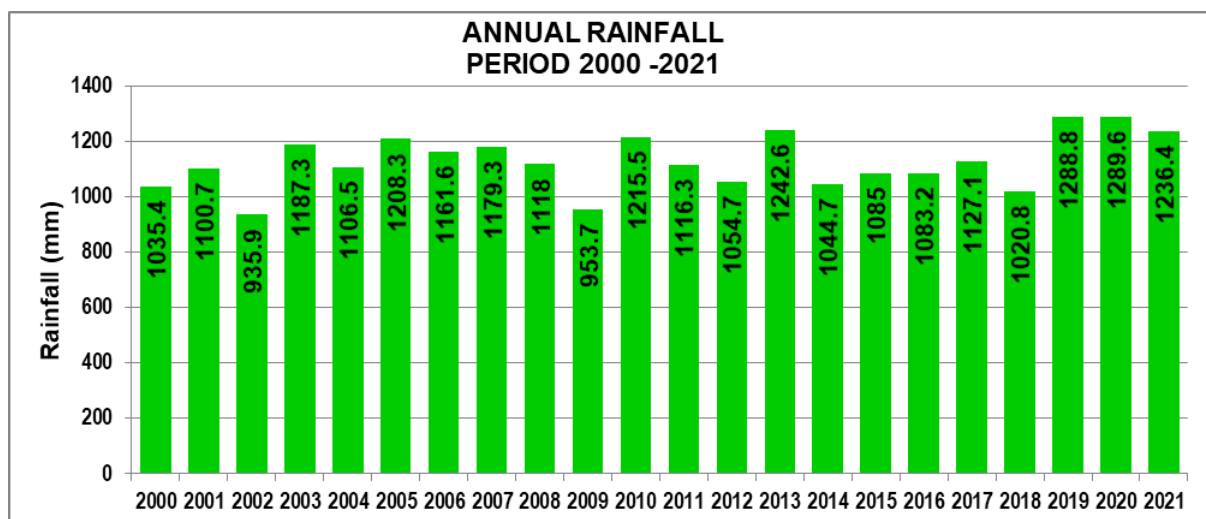


Figure 119: Annual Rainfall 2000-2021

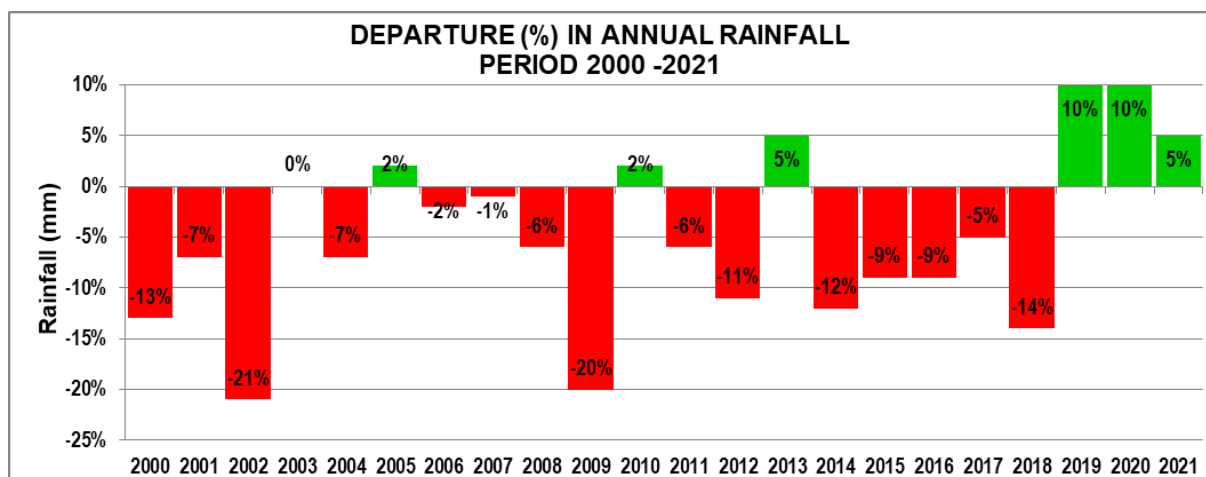


Figure 120: % Departures of Annual Rainfall 2000 – 2021

During last 22 years, it is second time (2005, 2021) that the country wise annual rainfall received was positive departures from Normal despite negative departures from Normal for the southwest monsoon season for country as a whole.

EXTREME RAINFALL EVENTS

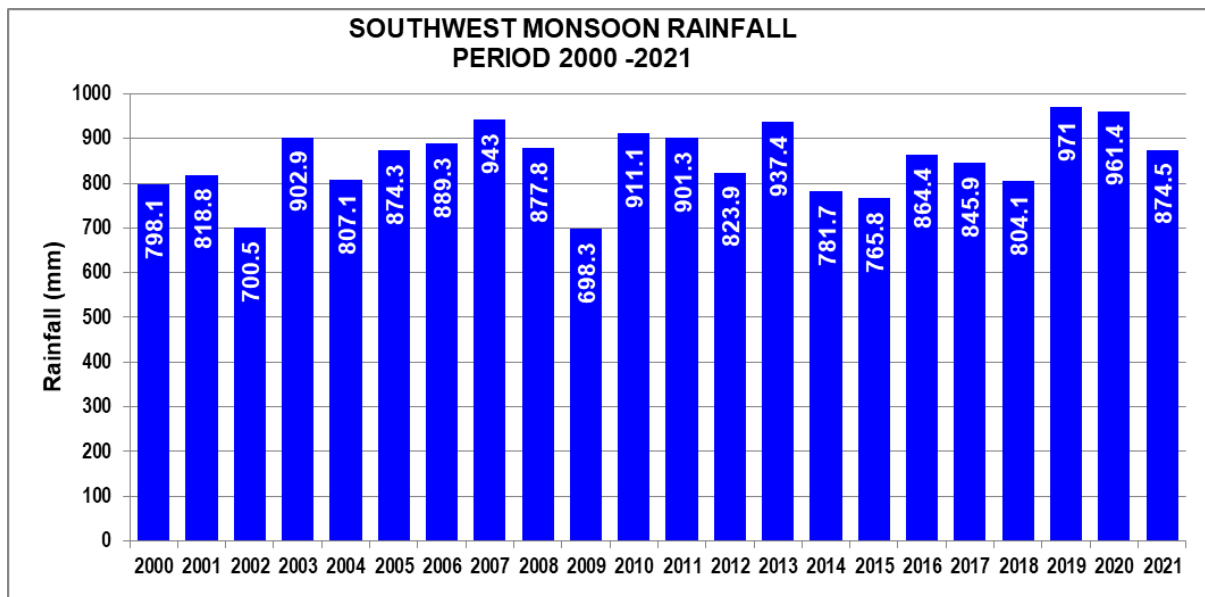


Figure 121: SW Monsoon Rainfall 2000-2021

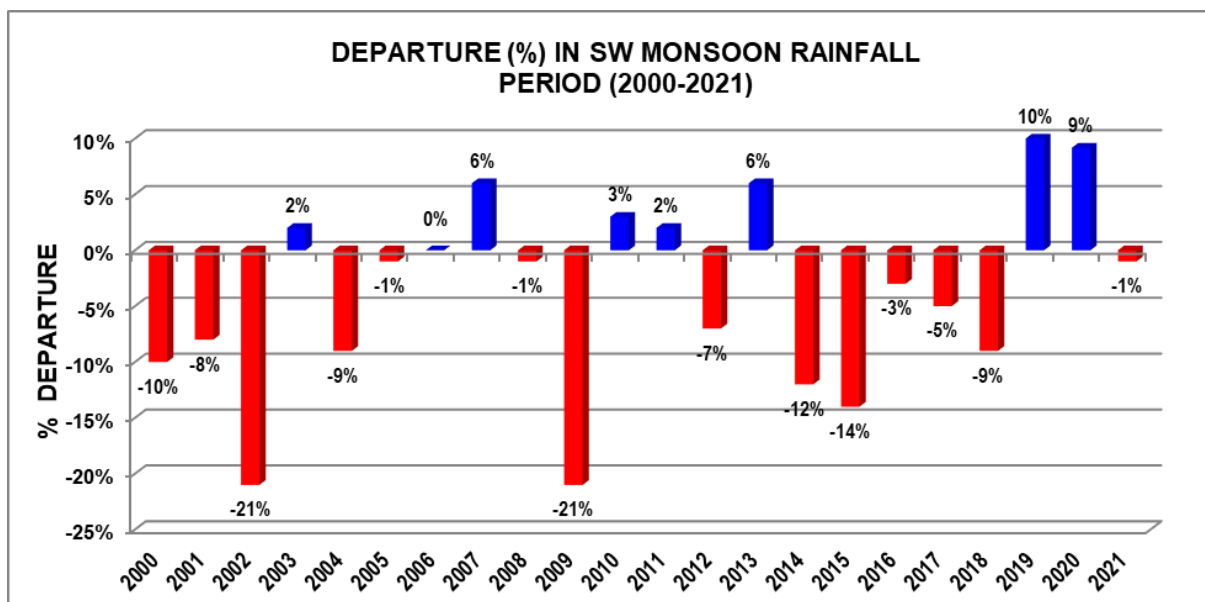


Figure 122: % Departures of SW Monsoon Rainfall 2000 – 2021

8. EXTREME RAINFALL EVENTS

An extreme rainfall event is one in which 204.5 mm (21 cms) or more of rain falls over a region within 24 hours.

There has been an increasing trend in the high impact rainfall events especially during the last decade. Some of the watershed events have happened during this period. Chennai (2015), Kedarnath (2013), Kerela (2018) and Mumbai (2018) floods were characterized by torrential downpour leading to Flash Floods in the region. The Indian southwest monsoon from June to September has some intra-seasonal oscillations and these oscillations are sometimes associated with very intense rain episodes over different parts of India leading to

EXTREME RAINFALL EVENTS

significant impact which are both visible (Losses in terms of Life and property) and non-visible impacts (social and psychological).

India has experienced/recorded 425 “extreme rainfall events” during 2021. An analysis of daily rainfall between 1901 and 2010 by the Indian Institute of Tropical Meteorology (IITM), Pune, showed a decadal increase of about 6% in “extreme rainfall”, events with the frequency increasing post-1981. Table 31 shows the extreme rainfall events during the Year 2021 along with the places where such events have occurred with rainfall amount in CM.

Table 31: Extreme Rainfall events during 2021

Months	Date	Sub-division with Station recorded =>21cm rainfall
January	6	TAMIL., PUDU. & KARAİKAL: KELAMBAKKAM-21,
	7	KERALA & MAHE: VADAKARA-22,
	13	TAMIL., PUDU. & KARAİKAL: PARANGIPETTAI-28, SETHIYATHOPE-21,
May	15	KERALA & MAHE: KOCHI I.A.F.-21, PEERMADE TO-21,
	16	KERALA & MAHE: MAHE-24, VADAKARA-23, VYTTIRI-21,
	18	SAURASHTRA & KUTCH: BAGASRA-21, KONKAN & GOA: PALGHAR AGRI-30, DAHANU - IMD OBSY-28, SANTACRUZ - IMD OBSY-23, DEVGAD-23, SAWANTWADI-21, COLABA - IMD OBSY-21,
	19	ASSAM & MEGHALAYA: CHERRAPUNJI-23, EAST RAJASTHAN: VEJA SR-23, GUJARAT REGION: NADIAD-23,
	21	UTTARAKHAND: BANBASA-21,
	26	ODISHA: CHANDBALI-29, RAJKANIKA-25, GARADAPUR-25, MARSAGHAI-23, KUJANGA-23, NAWANA-21, TIRTOL-21, TAMIL., PUDU. & KARAİKAL: MYLAUDY-24,
	27	ODISHA: NAWANA-28, JODA-27, JOSHIPUR-25, LATHIKATA-21, JHUMPURA-21, JHARKHAND: CHAIBASA-21,
	28	SHWB & SIKKIM: MALDA-31, JHARKHAND: RAJMAHAL-23, BIHAR: MANIHARI-25, KADWA-24, BARARI-23, PURNEA-21,
	29	BIHAR: TRIBENI/BALMIKINAGAR-21, EAST UTTAR PRADESH: BANSI TEHSIL-21,
	31	ASSAM & MEGHALAYA: WILLIAMNAGAR-33,
June	10	KONKAN & GOA: SANTACRUZ - IMD OBSY-23, THANE-23,
	15	BIHAR:- RAMNAGAR-28, CHANPATIA-28, EAST UTTAR PRADESH:- DHAURAHARA-27
	16	GANGETIC WEST BENGAL: BANKURA(CWC)-21, EAST UTTAR PRADESH: DHAURAHARA-23, KONKAN & GOA: SHRIWARDHAN-21,
	17	MADHYA MAHARASHTRA: GAGANBAWADA-28, MAHABALESHWAR- IMD OBSY-21, TN, PUDU AND KARAİKAL: AVALANCHE-21, S. I. KARNATAKA: KOTTIGEHARA-22,
	18	KONKAN & GOA: MATHERAN-23, DAHANU IMD OBSY-22, TBIA IMD PART TIME-21, S. I. KARNATAKA: BHAGAMANDALA-21,
	25	ASSAM & MEGHALAYA: WILLIAMNAGAR-23,

EXTREME RAINFALL EVENTS

Months	Date	Sub-division with Station recorded =>21cm rainfall
	28	ASSAM & MEGHALAYA:- MAWSYNRAM-33, CHERRAPUNJI-32, CHERRAPUNJI(RKM)-30,
	29	ASSAM & MEGHALAYA:- CHERRAPUNJI-56, CHERRAPUNJI(RKM)-55, MAWSYNRAM-47,
	30	ASSAM & MEGHALAYA: BHAGHMARA-28, CHERRAPUNJI(RKM)-23, BEKI MATHUNGARI-23, MAWSYNRAM-23, CHERRAPUNJI-22, SHWB & SIKKIM: BUXADUAR-25, CHENGMARI/DIANA-25, HASIMARA-23,
July	04	ASSAM & MEGHALAYA: CHERRAPUNJI-28, MAWSYNRAM-28,
	12	KONKAN & GOA: MURUD-35, DAPOLI AGRI-23, SHRIWARDHAN-21, KANKAVLI-21, MHASLA-21, MADHYA MAHARASHTRA: GAGANBAWADA-21,
	13	HIMACHAL PRADESH:- DHARMSALA-23, PALAMPUR-21, KONKAN & GOA:- TALA-24, MANDANGAD-23,
	14	HAR. CHD & DELHI: KARNAL REV-25, KARNAL-25,
	15	TELANGANA:- CHEGUNTA-21,
	17	KONKAN & GOA: MALVAN-30, SANTACRUZ - IMD OBSY-25, RATNAGIRI - IMD OBSY-22,
	18	EAST UTTAR PRADESH: CHANDERDEEPPGHAT-25, GUJARAT REGION: DAMAN FMO-32, DAMAN-24, KONKAN & GOA: RATNAGIRI IMD OBSY-26, PALGHAR AGRI-24, SANTACRUZ IMD OBSY-23, TBIA IMD PART TIME-21, RAYALASEEMA: KADIRI(A)-23, KADIRI-21, COASTAL KARNATAKA: BHATKAL-21,
	19	HIMACHAL PRADESH:- PALAMPUR-23, GUJARAT REGION:- UMERGAM-24, KAMREJ-21, KONKAN & GOA:- TBIA IMD PART TIME-29, PANVEL AGRI-28, MURUD-27, MATHERAN-27, DAPOLI AGRI-24, KANKAVLI-24, VIKRAMGAD-21, MOKHEDA - FMO-21, THANE-21, TALA-21, MANGAON-21, LANJA-21, MADHYA MAHARASHTRA:- OZHARKHEDA - FMO-33, IGATPURI-22,
	20	WEST UTTAR PRADESH: SIKANDRA RAO-24, ETAH-23, UTTARAKHAND: HALDWANI-23, , HAR. CHD & DELHI: PATAUDI-24, KONKAN & GOA: KALYAN-37, BHIWANDI-30, ULHASNAGAR-29, MATHERAN-26, AMBERNATH-25, DAPOLI-AGRI-23, SUDHAGAD PALI-22, KERALA & MAHE: IDUKKI-28,
	22	EAST UTTAR PRADESH:- DHAURAHARA-37, WEST MADHYA PRADESH:- SIRONJ-23, KONKAN & GOA:- JAWHAR-43, WADA-42, MATHERAN-33, KARJAT-AGRI-32, MOKHEDA -FMO-29, POLADPUR-27, SANGAMESHWAR DEVRUKH-25, VIKRAMGAD-23, MURBAD-23, LANJA-22, SUDHAGAD PALI-22, MAHAD-21, SHAHAPUR-21, MADHYA MAHARASHTRA:- MAHABALESHWAR-IMD OBSY-48, PETH-31, LONAVALA-AGRI-31, GAGANBAWADA-27, OZHARKHEDA -FMO-25, IGATPURI-24, HARSUL -FMO-23, TRIMBAKSHWAR-22, TELANGANA:- DILAWARPUR-23, SARANGAPURNRL-22, BOATH-21,

EXTREME RAINFALL EVENTS

Months	Date	Sub-division with Station recorded =>21cm rainfall
	23	WEST MADHYA PRADESH: BHAINSDEHI-27, SOHAGPUR-21, KONKAN & GOA: POLADPUR-31, VAIBHAVWADI-22, SANGUEM-21, SAWANTWADI-21, MADHYA MAHARASHTRA: MAHABALESHWAR-IMD OBSY-59, RADHANAGARI-40, AJRA-40, GAGANBAWADA-36, PATAN-31, LONAVALA AGRI-29, CHANDGAD-28, PANHALA-27, GADHINGLAJ-25, SHAHUWADI-23, VELHE-21, TELANGANA: WANKDI-39, ASIFABAD-30, SARANGAPURNRL-21, COASTAL KARNATAKA: JANMANE-34, KADRA-34, BANAVASI-28, SIDDAPUR-24, YELLAPUR-23, HALIYAL-21, MANCHIKERE-21, N. I. KARNATAKA: LONDA-38, KHANAPUR-27, BELAGAVI PTO-21, S. I. KARNATAKA: ANAVATTI-24, AGARAHARA KONANDURU-23, SAGAR-23,
	24	EAST RAJASTHAN:- PIRAWA-21, WEST MADHYA PRADESH:- SUSNER-21, MADHYA MAHARASHTRA:- MAHABALESHWAR- IMD OBSY-32, KAGAL-22, PANHALA-21,
	25	EAST MADHYA PRADESH:- ANUPPUR--23,
	26	WEST RAJASTHAN:- MARWAR JUNCTION-21, WEST MADHYA PRADESH:- JAORA-26, KATHIWADA-26, MAHIDPUR-26, ZIRAPUR-22, PACHORE-21,
	27	EAST RAJASTHAN:- CHABRA-21, WEST MADHYA PRADESH:- BAMORI-26, RAGHOGARH-23,
	28	EAST UTTAR PRADESH: KUNDA-24, HIMACHAL PRADESH: PACHHAD-34,
	29	GANGETIC WEST BENGAL:- KHARAGPUR(I.I.T)- 26, MIDNAPORE(CWC)- 23, MIDNAPORE- 23, DURGACHACK- 22, MOHANPUR- 21,
	30	GANGETIC WEST BENGAL: ULUBERIA AWS-22, DIAMOND HARBOUR-22,
	31	EAST RAJASTHAN:- SHAHABAD-30, WEST MADHYA PRADESH:- KARHAL-24,
August	01	EAST RAJASTHAN: HURDA SR-21,
	02	EAST RAJASTHAN:- SHAHABAD-25, SAWAIMADHOPUR TESIL SR-21, WEST MADHYA PRADESH:- BAIRAD-29, EAST MADHYA PRADESH:- PRITHVIPUR-21,
	03	WEST UTTAR PRADESH:- TALBEHAT-21, EAST RAJASTHAN:- SHAHABAD-25, WEST MADHYA PRADESH:- SHIVPURI-47, PICHHORE-42, POHRI-38, KHANIYADANA-33, KOLARAS-32, KARERA-27, BAMORI-27, BAIRAD-23, VEERPUR-21, NARWAR-21,
	04	EAST RAJASTHAN:- PATAN-25, LADPURA SR-23, SHAHABAD-21,
	07	WEST MADHYA PRADESH:- BAMORI-21,
	10	ASSAM & MEGHALAYA:- MAWSYNRAM-25, CHERRAPUNJI(RKM)-23, CHERRAPUNJI-22,
	12	ASSAM & MEGHALAYA:- MAWSYNRAM-27,
	13	ASSAM & MEGHALAYA: MAWSYNRAM-22,

EXTREME RAINFALL EVENTS

Months	Date	Sub-division with Station recorded =>21cm rainfall
	14	ASSAM & MEGHALAYA:- MAWSYNRAM-49, CHERRAPUNJI(RKM)-30, SHWB & SIKKIM:- BUXADUAR-23, UTTARAKHAND:- HALDWANI-23,
	24	ASSAM & MEGHALAYA: MAWSYNRAM-23,
	25	UTTARAKHAND: RISHIKESH-21,
	26	ASSAM & MEGHALAYA: MAWSYNRAM-33, CHERRAPUNJI(RKM)-21,
	31	GUJARAT REGION: DAMAN ARG-21, KONKAN & GOA: DAHANU - IMD OBSY-22,
September	1	GUJARAT REGION: UMERGAM-40, DAMAN-33, DAMAN FMO-30, DAMAN ARG-29, KONKAN & GOA: DAHANU - IMD OBSY-21,
	7	TELANGANA: NALLABELLY-26, HUZURABAD-25, MOGULLAPALLE-23, KOTHAGUDEM-23, KHANAPUR-23, DHARMARAM-22, JAMMIKUNTA-21, KONARAOPETA-21, PARKAL-21,
	9	SAURASHTRA & KUTCH: SUTRAPADA-25,
	13	ODISHA: ASTARANGA-53, KAKATPUR-53, BALIKUDA-44, KANTAPADA-38, NIALI-37, ALIPINGAL-36, PURI-34, GOP-33, SATYABADI-33, RAGHUNATHPUR-32, NIMPARA-30, KENDRAPARA-28, MARSAGHAI-27, KUJANGA-27, JAGATSINGHPUR-26, PIPILI-26, TIRTOL-25, BRAHMAGIRI-24, PARADEEP CWR-22, CHANDIKHOL-22, DERABIS-21,
	14	ODISHA: TALCHER-39, BIRMAHARAJPUR-37, TIKARPARA-35, SONEPUR-28, BOUDHGARH-26, PATNAGARH-25, BANARPAL-25, BOLANGIR-24, HINDOL-24, PAIKMAL-24, KANTAMAL-23, PARJANG-23, BARMUL-22, BELPADA-22, BARI-21, JENAPUR-21, PHIRINGIA-21, GAISILET-21, MAHANGA-21, SAURASHTRA & KUTCH: LODHIKA-52, VISAVADAR-47, KALAVAD-41, DHORAJI-25, TARGHADIA_AWS-24, JUNAGADH-21, KOTDASANGANI-21,
	15	GANGETIC WEST BENGAL:- KHARAGPUR(I.I.T)-28, MIDNAPORE(CWC)-28, KALAIKUNDA (IAF)-27, MOHANPUR-27, MIDNAPORE-26, EAST MADHYA PRADESH:- AMARKANTAK-24,
	17	EAST UTTAR PRADESH:- AZAMGARH-37, AYODHYA-37, LAHARPUR-28, RAMNAGAR-24, TIRWA-23, LUCKNOW (CR)-21, SIRAULI GAUSPUR TEHSIL-21, TANDA-21,
	23	EAST UTTAR PRADESH:- DHAURAHARA-21,
	25	EAST UTTAR PRADESH:- KUNDA-21,
	27	COASTAL A.P. & YANAM:- VISAKHAPATNAM-28, GAJAPATHINAGARAM-28, NELLIMARLA-28, VISAKHAPATNAM AP-27, MENTADA-25, PUSAPATIREGA-24,
	28	TELANGANA:- JAKRANPALLE-23, NAVIPET-21, DHAR PALLE-21,
	29	GANGETIC WEST BENGAL:- DURGACHACK-22, GUJARAT REGION:- KHANVEL-37, SILVASSA-22, UMERPADA-22,
	30	GANGETIC WEST BENGAL:- ASANSOL-43, LUCHIPUR-41,

EXTREME RAINFALL EVENTS

Months	Date	Sub-division with Station recorded =>21cm rainfall
		BANKURA-35, ASANSOL(CWC)-35, BANKURA(CWC)-23, DURGAPUR-22, KHARIDWAR-22, SAURASHTRA & KUTCH:-VISAVADAR-29,
October	3	BIHAR: THAKURGANJ-21,
	9	A & N ISLAND:- LONG ISLAND-28,
	12	KERALA & MAHE:- KARIPUR AP.-25, MANNARKKAD-24, KOZHIKODE-22,
	13	COASTAL KARNATAKA: UDUPI-23, BRAHMAVAR AWS-23,
	17	TN, PUDU AND KARAIKAL:-PAPANASAM-27, PECHIPARAI-22, KERALA & MAHE:-PEERMADE TO-29, KANJIRAPPALLY-27,
	18	ODISHA:-JALESWAR-22, WEST UTTAR PRADESH:-KANTH-27, WEST MADHYA PRADESH:-KARHAL-31,
	19	EAST UTTAR PRADESH:- TIRWA-41, DHAURAHARA-23, LAHARPUR-23, WEST UTTAR PRADESH:-BAHERI-54, NAWABGANJ-26, BILASPUR-25, BAREILLY CWC-23, UTTARAKHAND:-PANTNAGAR-40, NAINITAL-40, MUKTESHWAR-34, HALDWANI-33, LOHAGHAT-32, BETALGHAT-27, ALMORA-22, PITHORAGARH-21, SAMA-21,
20	SHWB & SIKKIM:- GAJOLDOBA-34, SUKIAPOKHRI-28, BAGRAKOTE-25, DARJEELING-23, AMFU KALIMPONG-23, NEORA-22, CHAMPASARI-21, SEVOKE-21, BIHAR:-FORBESGANJ-26, NIRMALI-25, HASANPUR-23,	
November	7	TN PUDU AND KARAIKAL:- DGP OFFICE-23, CHENNAI(N)-21, AMBATHUR-21,
	10	TN PUDU AND KARAIKAL:- NAGAPATTINAM-31, TIRUPOONDI-31, KARAIKAL-29, VEDARANYAM-25, THALAINYER-24, THIRUTHURAIPOONDI-22,
	11	TN PUDU AND KARAIKAL:- TAMBARAM-23, CHOLAVARAM-22, ENNORE AWS-21,
	14	TN PUDU AND KARAIKAL:-PERUNCHANI DAM-22,
	19	RAYALASEEMA:- NAMBULIPULIKUNTA-24, TN PUDU AND KARAIKAL:- TINDIVANAM-22,
	26	TN PUDU AND KARAIKAL:-KAYALPATTINAM-31, TUTICORIN-27, TIRUCHENDUR-25,
December	31	TN PUDU AND KARAIKAL:-_DGP OFFICE-24,

The frequency of the occurrences of extreme rainfall events pan India shows a peak of 152 extreme events ($r/f \geq 21$ cms) occurring in the month of July spread over 19 days followed by the month of September with 104 events spread over a period of 13 days making July as the most active month for such activities Fig (123).

EXTREME RAINFALL EVENTS

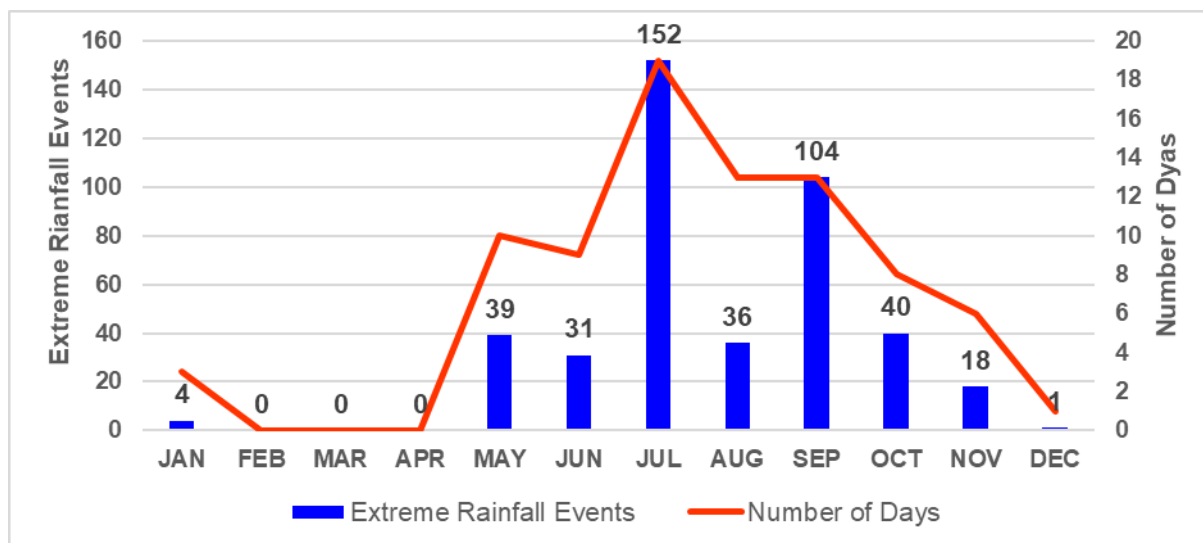


Figure 123: Extreme Rainfall Events/Days for Country a whole during 2021

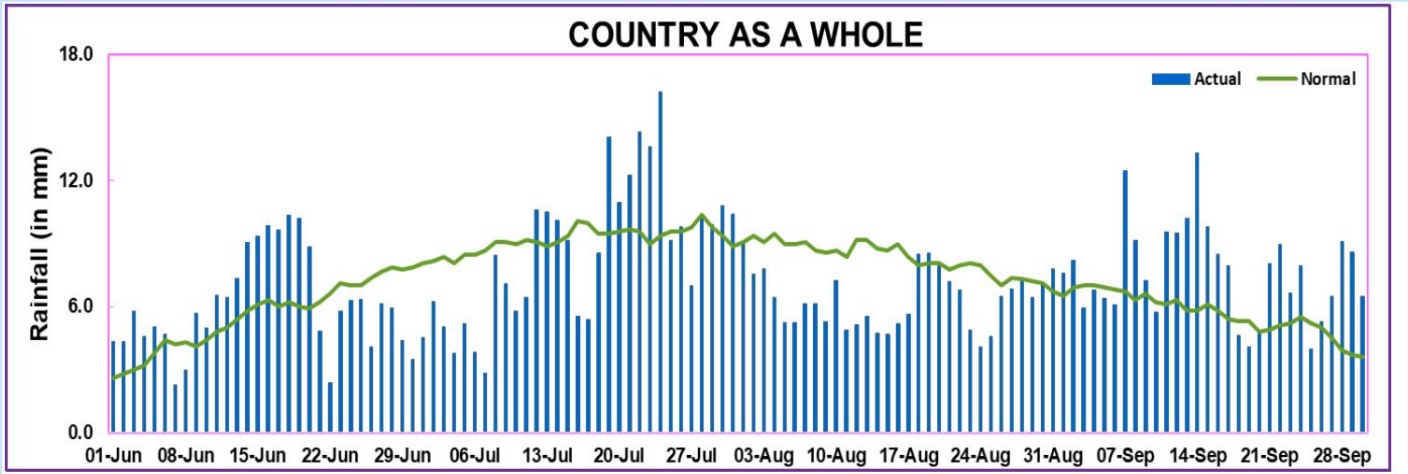
9. SALIENT FEATURES OF RAINFALL DURING 2021

1. The country received actual annual rainfall of **1236.4** mm which was **105%** of its long period average (LPA).
2. The country received actual SW Monsoon season (June to September) rainfall of **874.5** mm which was **99%** of its long period average (LPA).
3. The rainfall for the country as whole during Pre-monsoon, Post Monsoon and Winter season was **155.6mm**, **177.9** mm & **27.8** mm which was **118%**, **144%** & **68%** of LPA respectively.
4. The seasonal rainfall for the country as a whole was more than the normal value for the Pre-monsoon and Post Monsoon.
5. Rainfall distribution during SW Monsoon season:
 - a. **Region Wise:** North West India, Central India, South Peninsula, East & North East India received actual rainfall of 576.2 mm, 1012.5 mm, 804.5 mm, 1244.5 mm which was 99%, 129%, 116%, 88% of LPA respectively.
 - b. **Month Wise:** The actual rainfall for the country as a whole during June, July, August & September was 182.4 mm, 266.2 mm, 196.3 mm, 229.6 mm which was 109%, 93%, 76% and 135% of LPA respectively.
 - c. **Met Sub Division Wise:** Out of 36 met sub divisions, 10 met sub divisions received Excess rainfall, 20 met sub divisions received Normal rainfall and 6 met sub divisions received Deficient rainfall.
 - d. **District Wise:** As per availability of data, out of 695 districts for which rainfall statistics was prepared, 37 districts received Large Excess rainfall, 140 districts received Excess rainfall, 358 districts received Normal category of rainfall, 152 districts received Deficient rainfall and 8 districts received Large Deficient rainfall.
6. The rainfall deficiency for the country as a whole was maximum (32%) during Winter season.
7. Annual and seasonal rainfall was less than the normal value for East & Northeast India.
8. In the four meteorological homogeneous regions, highest positive departure of 247% was experienced in South Peninsula during Winter season, whereas highest negative departure of 78% was observed in East & Northeast India during Winter season.
9. Month wise, maximum positive departure of 461% was recorded in the month of January in South Peninsula and the maximum negative departure of 88% was recorded in the month of February in East & North-East India.
10. Met sub-division-wise Annual and Seasonal rainfall distribution:
 - a. **Annual:** Konkan & Goa received highest rainfall of 4032.5 mm and Haryana; Chandigarh & Delhi received lowest annual rainfall Of 375.2 mm.
 - b. **SW Monsoon season:**
 - i. Konkan & Goa received highest rainfall of 3558.7 mm and West Rajasthan received lowest rainfall of 317.5 mm.
 - ii. Nagaland, Manipur, Mizoram & Tripura recorded highest deficiency of 32% whereas highest positive departure of 48% was recorded in Marathawada.

SALIENT FEATURES OF RAINFALL DURING 2021

11. Annually, the District of East Khasi Hills in Meghalaya received the highest rainfall of 5245.3 mm where as the District Ladakh in Leh (UT) received the lowest rainfall of 65.5 mm.

MONSOON 2021



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