भारत के बर्षा के आंकडे – 2020
RAINFALL STATISTICS OF INDIA - 2020

1016.3 (-19)
J & K AND LADAKH
1258.7

1052.2 (-19)
H.P.
1291.2

585.5 (-2)
PUNJAB
597.4

1373.0 (-8)
UTTARAKHAND
1494.1

537.1 (0)
Har. Chd & Delhi
534.4

592.1 (-2)
West U.P.
813.2

829.5 (-2)
East U.P.
945.0

2992.9 (3)
Arunachal Pradesh
2913.6

3353.8 (27)
S.H.W.B.
2639.0

399.0 (29)
West Rajasthan
308.2

652.1 (-1)
East Rajasthan
657.7

1521.4 (29)
Bihar
1192

3082.8 (16)
Assam & Megahlaya
2604.7

1198.4 (3)
East M.P.
1162.3

1222.7 (-3)
Jharkhand
1256.5

1554.1 (-3)
G.W.B.
1556.5

1541.4 (-29)
N.M.M.T
2168.5

1184.8 (120)
Saurashtra Kutch & Diu
539.7

1063.0 (11)
Gujarat Region DNH & Daman
960.5

1020.2 (10)
West M.P.
934.0

1515.5 (18)
Chhattisgarh
1281.1

1536.9 (13)
Odisha
1444.2

971.4 (-9)
Vidarbha
1069.8

1010.3 (26)
Marathawada
803.1

1226.0 (38)
Madhya Maharashtra
889.7

1350.3 (42)
Telangana
949.5

3924.5 (29)
Konkan & Goa
3051.6

1030.7 (43)
N.I.Karnataka
720.4

1268.0 (20)
Coastal A.P. & Yaman
1046.1

1169.0 (61)
Rayalaseema
725.1

4185.9 (19)
Coastal Karnataka
3510.1

1196.4 (16)
S.I.Karnataka
1032.1

988.4 (5)
Tamil, Pudu & Karaikal
939.2

2990.0 (2)
Kerala & Mahe
2924.8

1884.7 (24)
Lakshadweep
1563.4

2842.9 (-1)
A & N Inlands
2871.8

Catagoriwise no. of Sub-Divisions

L. Excess	2
Excess	10
Normal	22
Deficient	2
L. Deficient	0
No Rain	0
No Data	0

तैयार किया
बी पी यादव, राहुल सक्सेना, डॉ अशोक कुमार दास एवं एस के माणिक
सहयोग
देवेन्द्र शर्मा, अशोक कुमार, रामेश्वर राम, मनवीर सिंह,
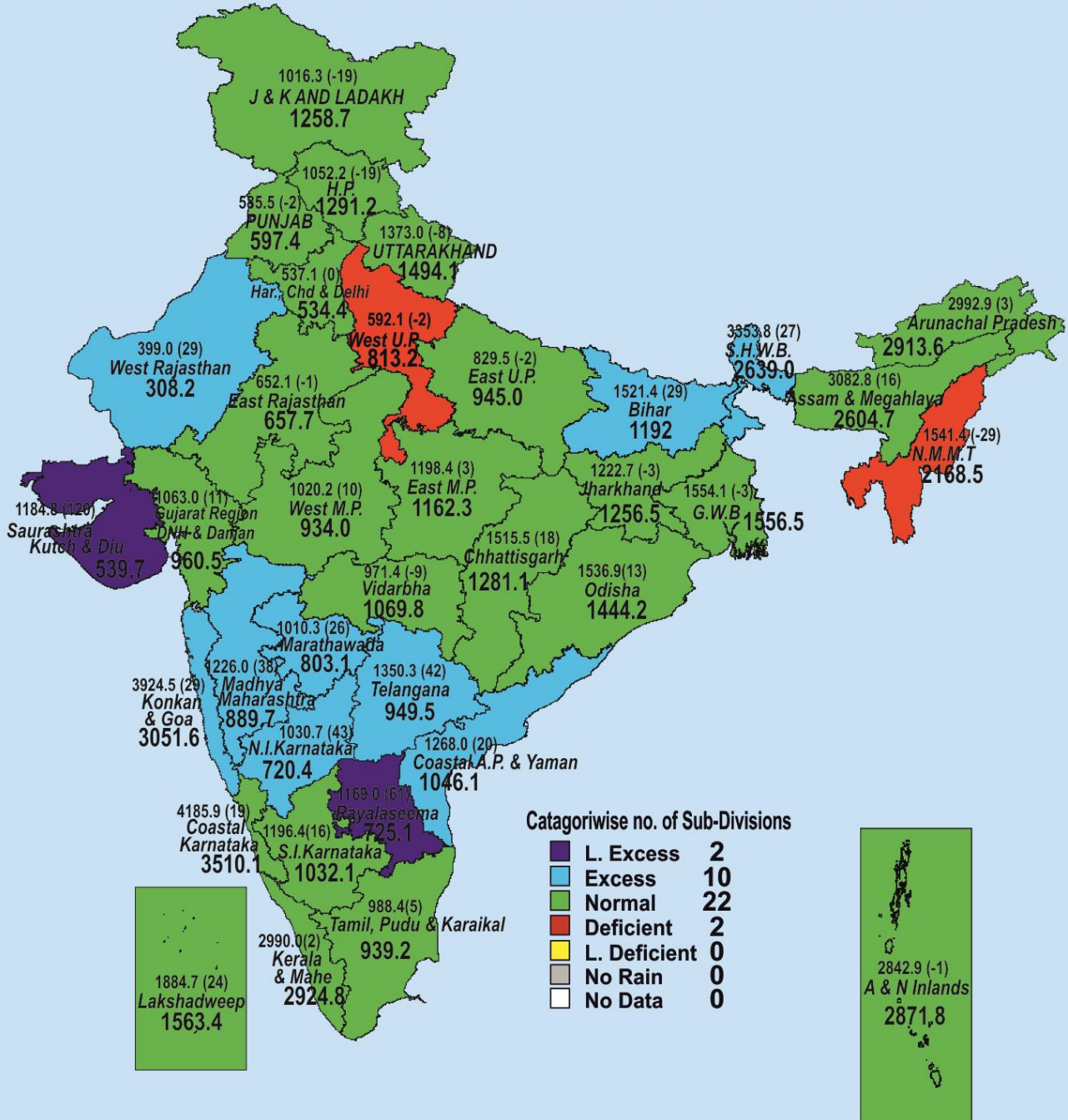श्रीमती मालनी ठाकुर, श्रीमती सुषमा सिंह एवं पी के पांचाल

भारत मौसम विज्ञान विभाग
(पृथ्वी विज्ञान मंत्रालय)
India Meteorological Department
(Ministry of Earth Sciences)
REPORT NO. ESSO/IMD/HS/RAINFALL REPORT/

भारत के वर्षा आंकड़े –2020
Rainfall Statistics of India – 2020

written by

बी.पी. यादव, राहुल सक्सेना, डॉ अशोक कुमार दास एवं एस.के. माणिक
B. P. Yadav, Rahul Saxena, Dr. Ashok Kr. Das and S. K. Manik

Supported by
देवेंद्र शर्मा, अशोक कुमार, रामेश्वर राम,
श्रीमती मालिनी ठाकुर, श्रीमती सुषमा सिंह एवं पी. के. पांचाल
**Davinder Sharma, Ashok Kumar, Rameshwar Ram,
Smt. Malini Thakur, Smt. Sushma Singh and P.K. Panchal**

Foreword

It gives me immense pleasure that Hydromet Division of India Meteorological Department has prepared 'Rainfall Statistics of India – 2020'.

Realtime monitoring of rainfall is a very important activity of IMD. The realtime rainfall products are a very useful input for the benefit of society as well as to the weather forecasters. The report contains the details rainfall information in the daily, weekly, monthly, seasonal and anuual scale for the districts, states, met sub divisions, four homogeneous regions and for the country with new rainfall normals 1961-2010. The products are available in the form of tabular, graphical and in map. 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 for putting their best efforts in brings out this valuable publication successfully.

Dr. M. Ravichandran

Secretary

Ministry of Earth Sciences

Foreword

       Rainfall is the primary source of water and is of great importance for India's Economy, especially in agriculture sector. It is highly variable over space and time, 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.

       It gives me immense pleasure to present the 'Rainfall Statistics of India – 2020' based on the rainfall received during the year and its comparison with normal rainfall based on the rainfall records for the period from 1951-2000.

       I appreciate the authors for their painstaking efforts in bringing out this publication.

DR.M. MOHAPATRA
DIRECTOR GENERAL OF METEOROLOGY
INDIA METEOROLOGICAL DEPARTMENT

Preface

India Meteorological Department is using the rainfall data received from a network of more than 4500 rain-gauge stations which are under District wise Rainfall Monitoring Sheme (DRMS) on real time 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 includes latest data in addition to station's data that is received in near realtime mode, for updating the statistics. Hope, this publication containing updated rainfall statistics for the year 2020 would be useful for the various stakeholders.

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

B. P. Yadav, Rahul Saxena, Dr. Ashok Kr. Das, S. K. Manik and Asok Raja S.K.

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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
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.

Figure 1. shows the network used for computation of normal rainfall. Normals have been computed using rainfall records of 50 years (1961-2010) of a network of 3200 Stations all over the India. The two significant features of India's Monsoon 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.

Figure 1: Network of Raingauges
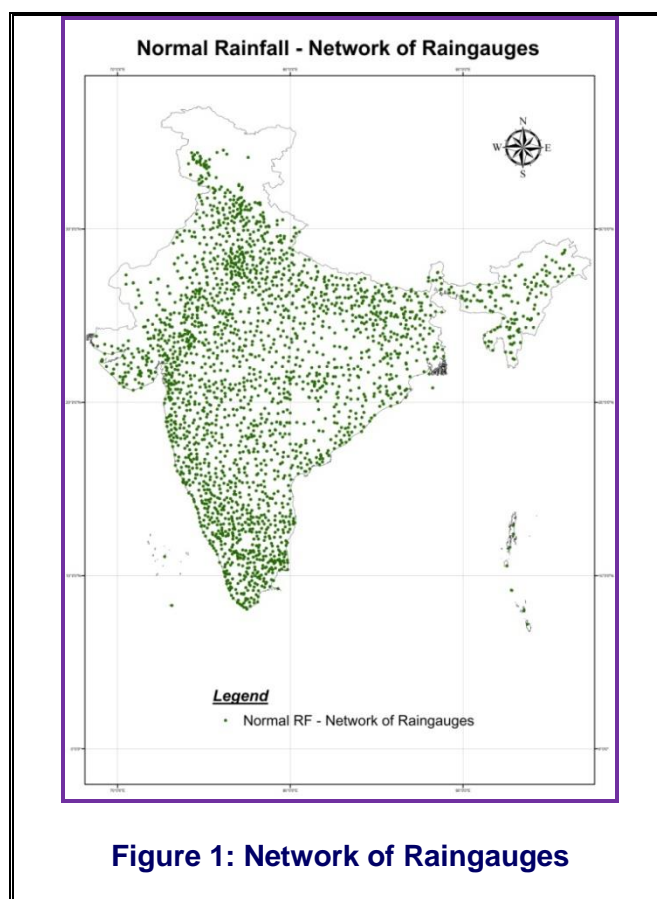
2. *METHODOLOGY*
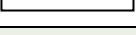
The rainfall statistics is computed based on the receipt of rainfall data from about 4500 stations spread over the entire country. Based on daily rainfall data of these stations, the rainfall of all the districts is computed and using the rainfall of the districts, rainfall statistics for the Meteorological (Met.) Subdivisions, states, the four broad regions and for the whole country have been computed.

The present publication includes the updated rainfall statistics for the country as a whole, for all the four broad regions of India, 36 Met.Subdivisions, all States and UTs (37) and 690 Districts of India (+7 From 2019).

The statistics is provided on monthly, seasonal (Winter (Jan-Feb), Pre-Monsoon (Mar-May), Southwest (SW) Monsoon (Jun-Sep) and Post-Monsoon (Oct-Dec) and on annual basis. The Rainfall Normals used in this report are based on the rainfall records for the period from 1961-2010.

Percentage departure of rainfall from Rainfall Normals 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 Normals	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	

3. *RAINFALL STATISTICS FOR THE COUNTRY & BROAD REGIONS*

3.1   SEASONAL & ANNUAL

The annual rainfall received by the country was 110% (128.9cm) of its normal rainfall of 118.7 cm. All India rainfall for SW monsoon season 2020 was 109% (96.1 cm) of its normal rainfall of 89 cm. The region-wise and the country's seasonal and annual actual observed rainfall are given in Table 2 and percentage departure from normal rainfall are given in Table 3. It may be observed that % departure of actual observed rainfall both for the year and for SW Monsoon season was positive for the country as a whole. South Peninsula showed maximum sw-monsoon rainfall with +29% departures from Normal totaling 937.4 mm.

While region wise both annually and during SW Monsoon season, East and North East India, Central India and South Peninsula have positive % Departures from Normal, it was –ve % departures from Normal for North West India region.

Central India experienced the highest positive % departure of observed rainfall (87%) for Winter Season & (104%) for Pre Monsoon Season wheras South Peninsula received (29%) for Monsoon Seaon & (15%) for Post Monsoon Season. South Peninsula India experienced the highest negative % departure (-37%) for Winter & (-4%) for Pre Monsoon Season of observed rainfall while NorthWest India have experienced the highest negative % departure (-14%) for Monsoon Season & (-39) for Post Monsoon season.

Table 2: Region-wise seasonal andannualrainfall (mm) - Year 2020

REGIONS	WINTER	PRE-MONSOON	SW MONSOON	POST-MONSOON	ANNUAL
COUNTRY AS A WHOLE	40.4	159.3	961.4	125.1	1289.6
NORTH WEST INDIA	68.5	150.6	516.5	34.2	767.7
CENTRAL INDIA	28.5	76.5	1122.4	86.1	1318.2
SOUTH PENINSULA	10.2	115.9	937.4	319.3	1382.8
EAST & NORTH EAST INDIA	48.8	404.6	1509.0	142.8	2120.9

Table 3: % Departure of region-wise seasonal and annual rainfall - Year 2020

REGIONS	WINTER	PRE-MONSOON	SW MONSOON	POST-MONSOON	ANNUAL
COUNTRY AS A WHOLE	-1%	21%	9%	1%	10%
NORTH WEST INDIA	-13%	32%	-14%	-39%	-10%
CENTRAL INDIA	87%	104%	15%	13%	19%
SOUTH PENINSULA	-37%	-4%	29%	15%	21%
EAST & NORTH EAST INDIA	-6%	7%	7%	-14%	6%

3.2   MONTHLY RAINFALL

The observed monthwise cumulative rainfall and monthly % departure from normal, for the country and for four broad regions of the country are given at Table (4) and and Table (5) respectively. The country as a whole received maximum rainfall in the month of August as 327.8 mm and minimum in the month of February as 12.1 mm. Regionwise, the maximum monthly cumulative rainfall of 495.0 mm rainfall was received in August in Central India. Minimum monthly cumulative rainfall is 3.7 mm in February in South Peninsula region.,

Comparing % departures of monthly observed rainfall from monthly normals shows that maximum positive departure of 219% was recorded in Cenral India in the month of March, where as the maximum negative departure (-81 %) in the month of November in Cenral India. It may be observed (Table 5) that the country as a whole received normal to excess rainfall for all the months except February when the rainfall was deficient.

Table 4: Region-wise actual monthly rainfall (mm) - Year 2020

REGIONS	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
COUNTRY AS A WHOLE	28.3	12.1	44.7	42.7	71.8	195.6	257.1	327.8	178.0	78.3	29.2	17.0
NORTH WEST INDIA	57.7	10.9	83.9	26.6	40.2	78.0	156.9	213.0	59.0	1.4	16.8	16.0
CENTRAL INDIA	13.8	14.7	26.8	23.9	25.8	219.9	250.6	495.0	157.0	76.9	3.0	4.4
SOUTH PENINSULA	6.5	3.7	12.8	41.5	61.6	171.9	250.7	255.6	259.2	167.6	100.6	51.1
EAST & NORTH EAST INDIA	29.3	19.5	46.4	114.7	242.7	400.1	472.0	285.1	351.8	119.4	20.2	3.2

Table 5: % Departure of region-wise monthly rainfall - Year 2019

REGIONS	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
COUNTRY AS A WHOLE	64%	-48%	47%	9%	16%	17%	-10%	27%	5%	3%	-4%	-2%
NORTH WEST INDIA	72%	-76%	77%	-16%	15%	4%	-26%	5%	-46%	-94%	41%	-24%
CENTRAL INDIA	84%	91%	219%	165%	28%	30%	-22%	61%	-11%	44%	-81%	-34%
SOUTH PENINSULA	-21%	-54%	-11%	24%	-16%	7%	16%	35%	62%	8%	13%	53%
EAST & NORTH EAST INDIA	60%	-42%	-27%	-8%	29%	15%	9%	-18%	23%	-8%	-18%	-75%

RAINFALL STATISTICS FOR THE COUNTRY & BROAD REGIONS

3.3   SOUTHWEST MONSOON – 2020

The rainfall statistics for the Monsoon season and individual months for the country as a whole is given at Table 6 and graphically represented in Figure 2. Monthly (JJAS) & seasonal observed rainfall and the % departure from normal have been depicted in Figure 3. For the SW Monsoon season 2020, country as a whole received above Normal rainfall (9% departure from Normal). Monthwise, the country was in Normal category in (17%) June, (-10%) in July and (5%) in September and excess (27%) in the month of August.

Table 6: Rainfall (mm) for the country: SW Monsoon Season – 2020

MONTH	OBSERVED	NORMAL	% DEPARTURE FROM NORMAL
JUNE	195.6	166.9	17%
JULY	257.1	285.3	-10%
AUGUST	327.8	258.2	27%
SEPTEMBER	178.0	170.2	5%
SW MONSOON	961.4	880.6	9%
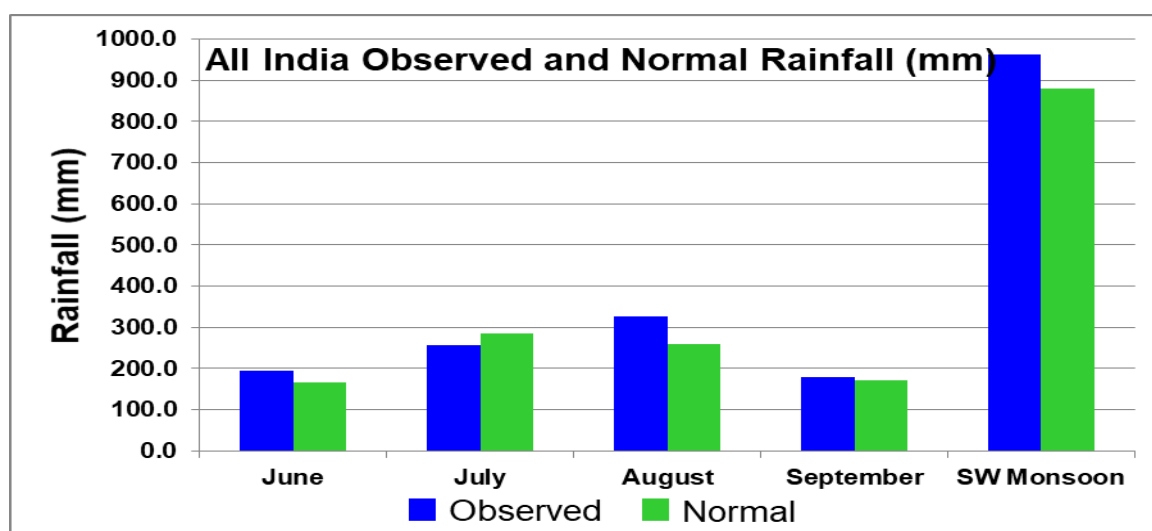
Figure 2: All India Rainfall – SW Monsoon 2020
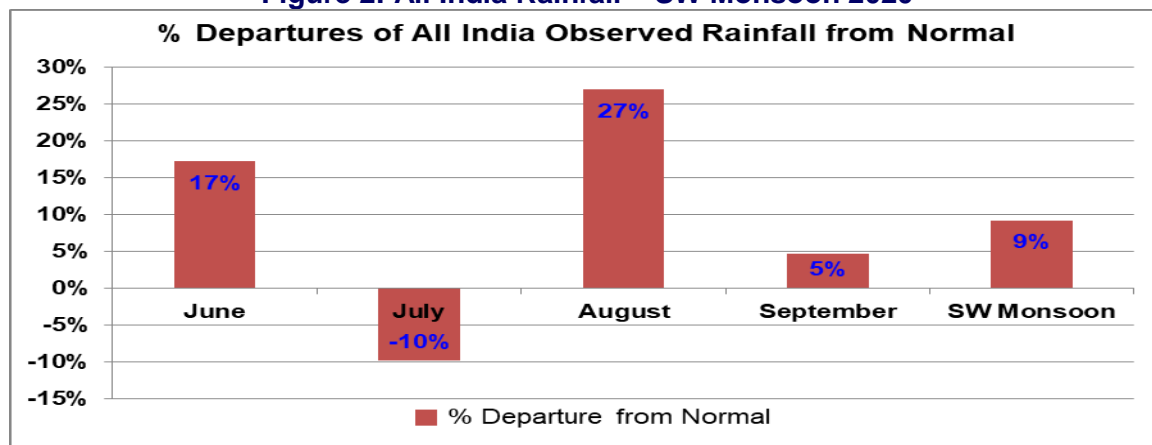
Figure 3: Percent Departure of All India Rainfall – SW Monsoon 2020

3.4   REGION-WISE DAILY RAINFALL SERIES – SW MONSOON 2020

Realtime daily rainfall (in mm) and its long term (1961-2010) normal value for the country as a whole and for the four homogeneous regions during 1 June to 30 September are shown in Figure 4 to 8. For the country as a whole, daily averaged observed rainfall was above or near normal on most days in June. It remained above normal to normal on some days of July month. The average daily rainfall remained above normal during many days in the month of August and in the second half of September. The temporal distribution of SW Monsoon rainfall of the country at Figure 4 shows that the rainfall was good throughout the season but there were four deficient rainfall spells of more than 5 days during 28 June to 03 July, 13 July to 19 July, 22 July to 28 July and 01 September to 06 September for the country as a whole.
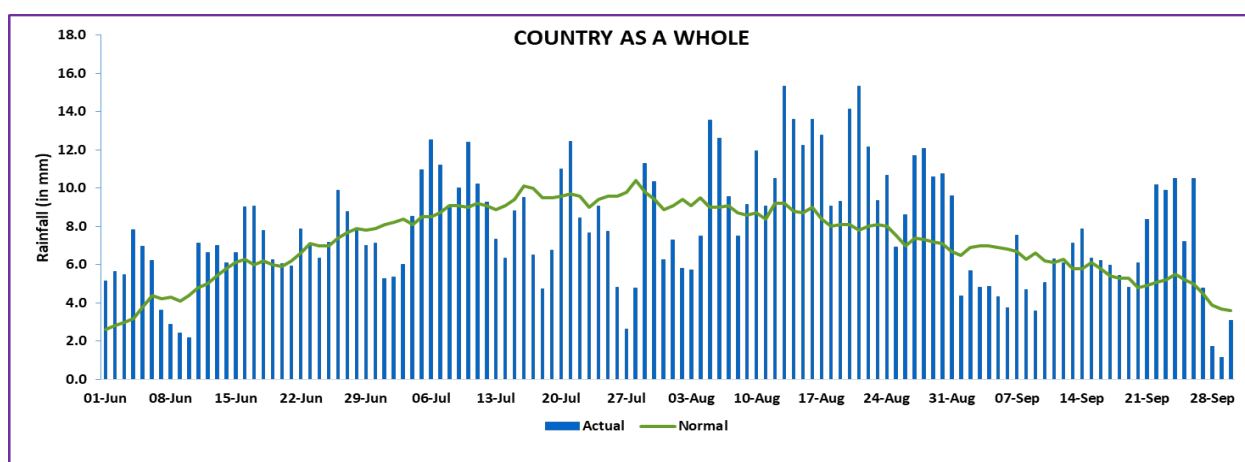
Figure 4: All India Rainfall - SW Monsoon Rainfall Distribution – 2020
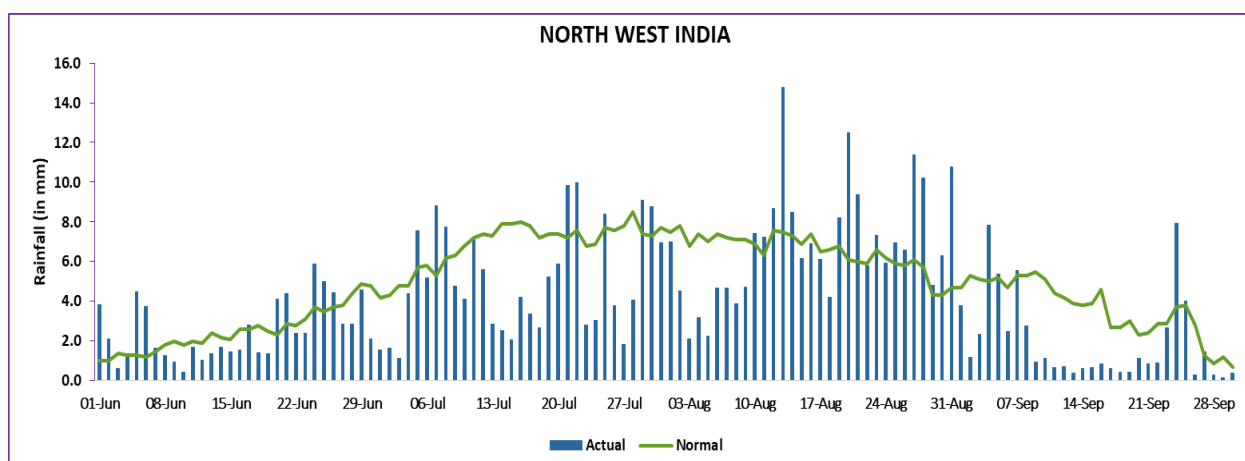
Figure 5: North West India - SW Monsoon Rainfall Distribution – 2020
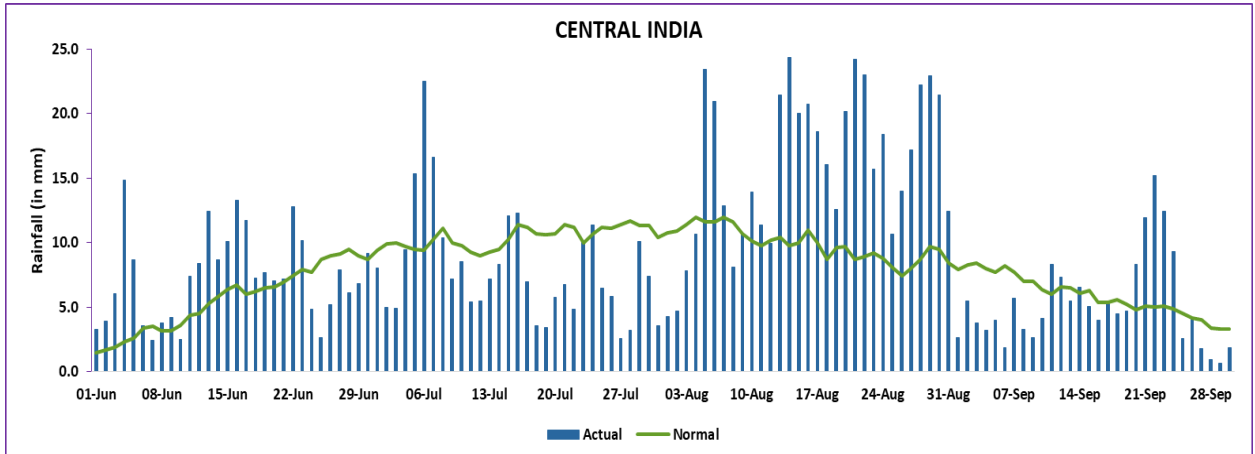
Figure 6: Central India - SW Monsoon Rainfall Distribution – 2020
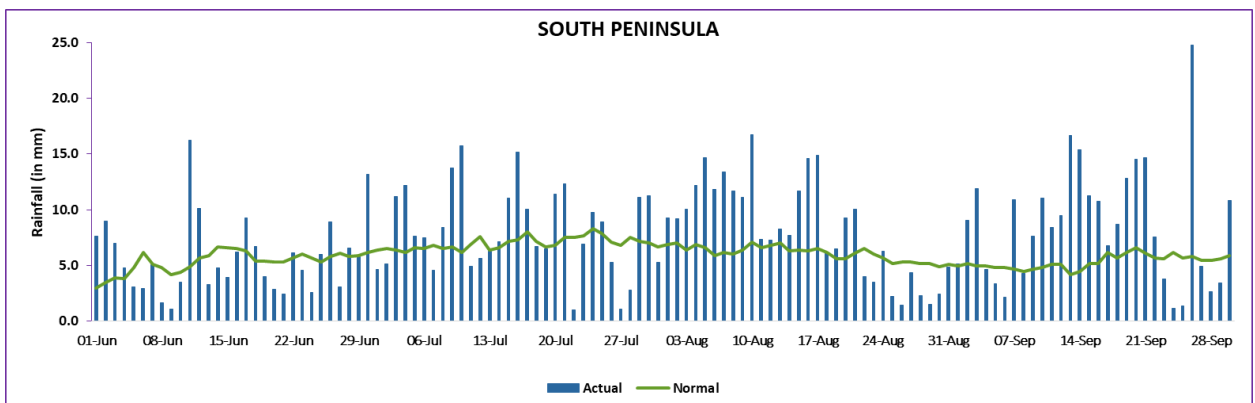
Figure 7: South Peninsula - SW Monsoon Rainfall Distribution – 2020
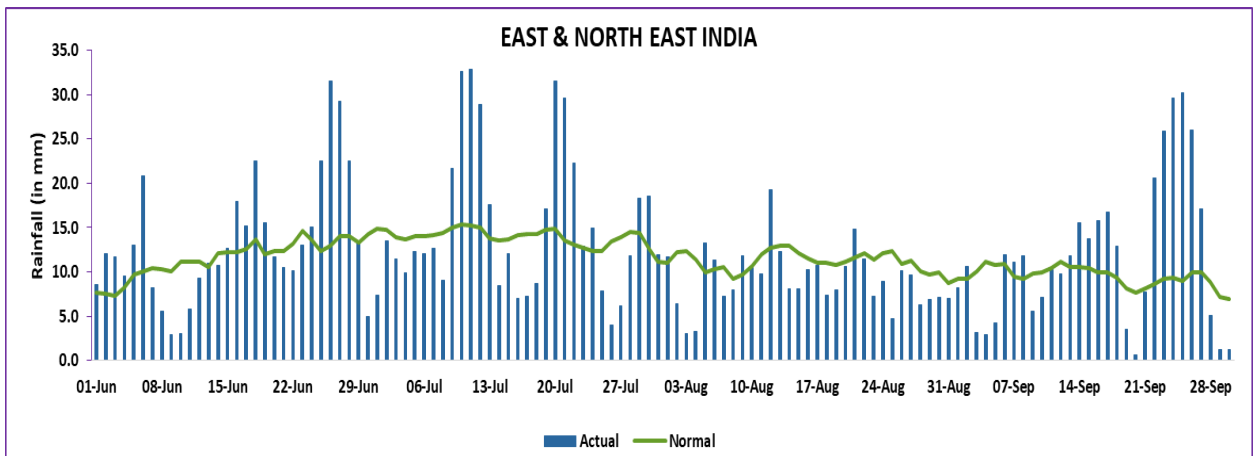
Figure 8: East & North East India - SW Monsoon Rainfall Distribution – 2020

4.   *RAINFALL STATISTICS FOR METEOROLOGICAL SUBDIVISION*

4.1   SEASONAL & ANNUAL

Seasonal and annual observed rainfall statistics during the year 2020 for all the 36 Met. Subdivisions and percentage departure of rainfall from normal has been given in Table 7 & 8 respectively. It may be observed from annual rainfall that Coastal Karnata received highest annual rainfall of **4185.9** mm and West Rajasthan received lowest annual rainfall of **399.0** mm. While comparring it is found that annual rainfall remained in Normal to Excess Category for most of the Met. Subdivisions. Only two Met subdidivions i.e. Saurashtra & Kutch and Rayalaseema were in Large Excess rainfall category and West Uttar Pradesh were found to be in deficient rainfall category.

During the SW Monsoon season Coastal Karnata received highest seasonal rainfall of **3681.9** mm While West Rajasthan received lowest seasonal rainfall of **336.2** mm. Five met subdivisions namely NMMT, West-UttarPradesh, Uttarakhand, Himachal Pradesh and J&K and Ladalh were under Deficient category None of the Met. Subdivisions however were in Large Deficient category during Monsoon-2020.

Table 7: Met. Subdivision-wise seasonal and annual rainfall (mm) - Year 2020

S. No.	METEOROLOGICAL SUBDIVISION	Winter	Pre Monsoon	SW Monsoon	Post Monsoon	Annual
	EAST & NORTH EAST INDIA	48.8	404.6	1509.0	142.8	2120.9
1	ARUNACHAL PRADESH	98.2	599.9	1972.0	247.2	2992.9
2	ASSAM & MEGHALAYA	35.0	663.7	2152.9	215.1	3082.8
3	N M M T	44.1	303.8	975.6	217.9	1541.4
4	SHWB & SIKKIM	48.9	499.5	2691.1	114.2	3353.6
5	GANGETIC WEST BENGAL	39.4	371.1	1064.6	85.7	1564.4
6	JHARKHAND	41.3	216.5	898.3	66.6	1222.7
7	BIHAR	36.3	182.6	1272.4	30.1	1521.4
	NORTH WEST INDIA	68.5	150.6	516.5	34.2	767.7
1	EAST U.P.	41.0	97.9	782.4	9.1	929.5
2	WEST U.P.	44.4	88.8	453.3	5.6	592.1
3	UTTARAKHAND	170.8	241.3	943.1	17.8	1373.0
4	HAR. CHD & DELHI	29.8	118.3	379.8	8.6	537.1
5	PUNJAB	53.0	124.7	387.5	20.3	585.5
6	HIMACHAL PRADESH	137.1	270.9	567.0	77.2	1052.2
7	J & K AND LADAKH	164.3	330.5	422.4	108.1	1016.3
8	WEST RAJASTHAN	8.2	50.8	336.2	3.8	399.0
9	EAST RAJASTHAN	2.9	46.4	593.7	9.2	652.1
	CENTRAL INDIA	28.5	76.5	1122.4	86.1	1318.2
1	ODISHA	63.1	265.4	1140.9	166.6	1635.9
2	WEST MADHYA PRADESH	13.5	27.4	966.0	21.3	1028.2
3	EAST MADHYA PRADESH	52.7	82.7	1025.1	37.9	1198.4
4	GUJARAT REGION	0.0	4.3	1035.0	23.7	1063.0
5	SAURASHTRA & KUTCH	0.2	1.1	1146.2	37.3	1184.8

4. RAINFALL STATISTICS FOR METEOROLOGICAL SUBDIVISION

6	KONKAN & GOA	0.0	12.2	3658.1	254.2	3924.5
7	MADHYA MAHARASHTRA	0.0	32.5	969.3	180.8	1228.0
8	MARATHWADA	3.0	32.7	867.2	108.6	1010.3
9	VIDARBHA	25.5	41.8	852.1	52.0	971.4
10	CHHATTISGARH	69.0	119.6	1234.3	92.6	1515.5
SOUTH PENINSULA		10.2	115.9	937.4	319.3	1382.8
1	A & N ISLAND	6.0	266.1	1712.4	858.5	2842.9
2	COASTAL A. P.& YANAM	31.1	82.3	725.3	419.3	1258.0
3	TELANGANA	13.9	61.1	1095.8	179.5	1350.3
4	RAYALASEEMA	4.3	65.4	756.1	343.2	1169.0
5	TAMIL., PUDU. & KARAIKAL	9.9	75.9	425.6	477.0	988.4
6	COASTAL KARNATAKA	0.6	170.8	3681.9	332.7	4185.9
7	N. I. KARNATAKA	0.7	110.9	739.6	179.5	1030.7
8	S. I. KARNATAKA	0.4	176.7	816.2	203.1	1196.4
9	KERALA & MAHE	9.6	387.3	2227.8	365.2	2990.0
10	LAKSHADWEEP	8.1	237.3	1345.4	294.0	1884.7
COUNTRY AS A WHOLE		40.4	159.3	961.4	125.1	1289.6
	max	170.8	663.7	3681.9	858.5	4185.9
		0.0	1.1	336.2	3.8	399.0

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		-6%	7%	7%	-14%	6%
1	ARUNACHAL PRADESH	-33%	-22%	14%	-8%	3%
2	ASSAM & MEGHALAYA	-25%	13%	21%	9%	18%
3	N M M T	17%	-37%	-32%	-1%	-29%
4	SHWB & SIKKIM	6%	13%	37%	-36%	27%
5	GANGETIC WEST BENGAL	20%	100%	-10%	-45%	1%
6	JHARKHAND	46%	160%	-15%	-26%	-3%
7	BIHAR	81%	123%	25%	-59%	28%
NORTH WEST INDIA		-13%	32%	-14%	-39%	-10%
1	EAST U.P.	61%	202%	-7%	-81%	-2%
2	WEST U.P.	51%	197%	-37%	-83%	-27%
3	UTTARAKHAND	68%	55%	-20%	-71%	-8%
4	HAR. CHD & DELHI	-4%	201%	-14%	-57%	0%
5	PUNJAB	9%	126%	-17%	-23%	-2%
6	HIMACHAL PRADESH	-29%	11%	-26%	-16%	-19%
7	J & K AND LADAKH	-27%	-1%	-25%	-19%	-19%
8	WEST RAJASTHAN	-7%	126%	27%	-68%	29%
9	EAST RAJASTHAN	-71%	144%	-2%	-64%	-1%
CENTRAL INDIA		87%	104%	15%	13%	19%
1	ODISHA	116%	107%	-1%	27%	13%
2	WEST MADHYA PRADESH	8%	113%	13%	-58%	10%
3	EAST MADHYA PRADESH	60%	250%	-2%	-34%	3%

4.   RAINFALL STATISTICS FOR METEOROLOGICAL SUBDIVISION

4	GUJARAT REGION	-100%	-31%	12%	-21%	11%
5	SAURASHTRA & KUTCH	-77%	-73%	126%	36%	120%
6	KONKAN & GOA	-100%	-66%	27%	82%	29%
7	MADHYA MAHARASHTRA	-99%	0%	29%	75%	38%
8	MARATHWADA	-56%	19%	30%	9%	26%
9	VIDARBHA	43%	53%	-10%	-36%	-9%
10	CHHATTISGARH	224%	192%	8%	21%	18%
	SOUTH PENINSULA	-37%	-4%	29%	15%	21%
1	A & N ISLAND	-92%	-43%	4%	27%	-1%
2	COASTAL A. P.& YANAM	39%	-17%	24%	24%	20%
3	TELANGANA	-4%	2%	46%	46%	42%
4	RAYALASEEMA	-47%	-20%	84%	54%	61%
5	TAMIL., PUDU. & KARAIKAL	-65%	-39%	27%	6%	5%
6	COASTAL KARNATAKA	-77%	10%	19%	30%	19%
7	N. I. KARNATAKA	-86%	39%	49%	30%	43%
8	S. I. KARNATAKA	-93%	26%	20%	-1%	16%
9	KERALA & MAHE	-57%	7%	9%	-26%	2%
10	LAKSHADWEEP	-68%	17%	33%	-9%	21%
	COUNTRY AS A WHOLE	-1%	21%	9%	1%	10%
		224%	250%	126%	82%	120%
		-100%	-73%	-37%	-83%	-29%

4.2   CATEGORY-WISE SEASONAL AND ANNUAL

Annual rainfall statistics for the year 2020 show that, 2 Met. Subdivisions remained in Large Excess, 10 in Excess and 22 in Normal category of rainfall while 2 Met. Subdivision remained in Deficient category of rainfall. The category wise statistics and chart for seasonal distribution of no. of Met. Subdivisions have been given in Table 9 and Figure 9 respectively.

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

CATEGORY	WINTER	PRE-MONSOON	SW MONSOON	POST-MONSOON	ANNUAL
L. EXCESS	6	13	2	2	2
EXCESS	5	4	13	9	10
NORMAL	7	11	16	9	22
DEFICIENT	7	6	5	11	2
L. DEFICIENT	9	2	0	5	0
NO RAIN	2	0	0	0	0

4.   RAINFALL STATISTICS FOR METEOROLOGICAL SUBDIVISION
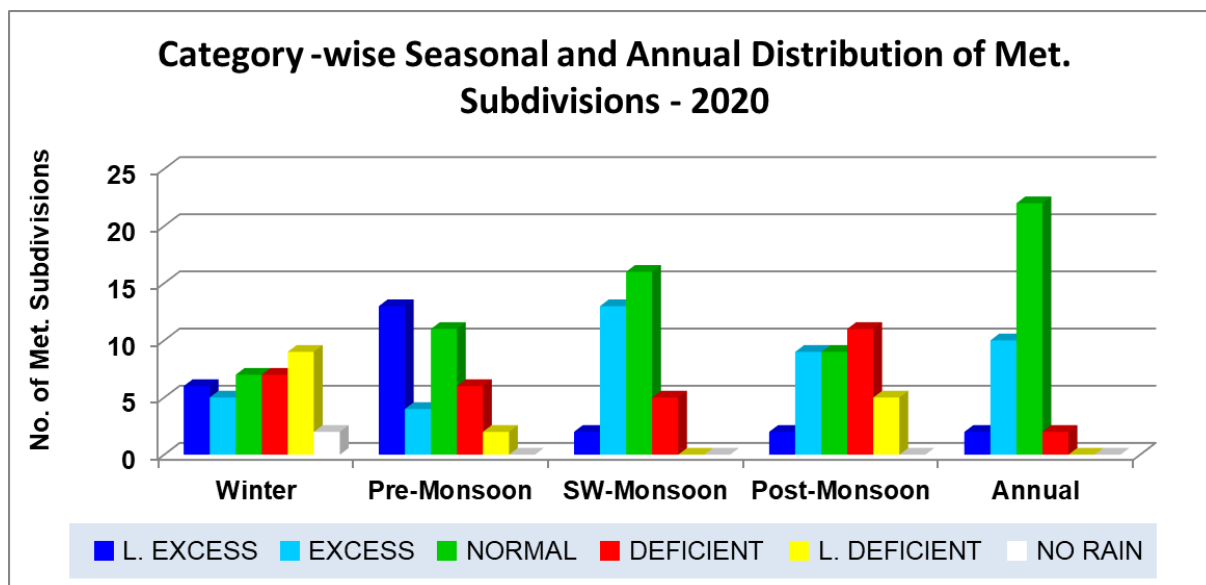
Figure 9: Category-wise Met. Subdivisions – seasonally and annually

Percent distribution of Met.Subdivisional area of the country under different categories in the four seasons and for the year has been depicted in Figure 10.
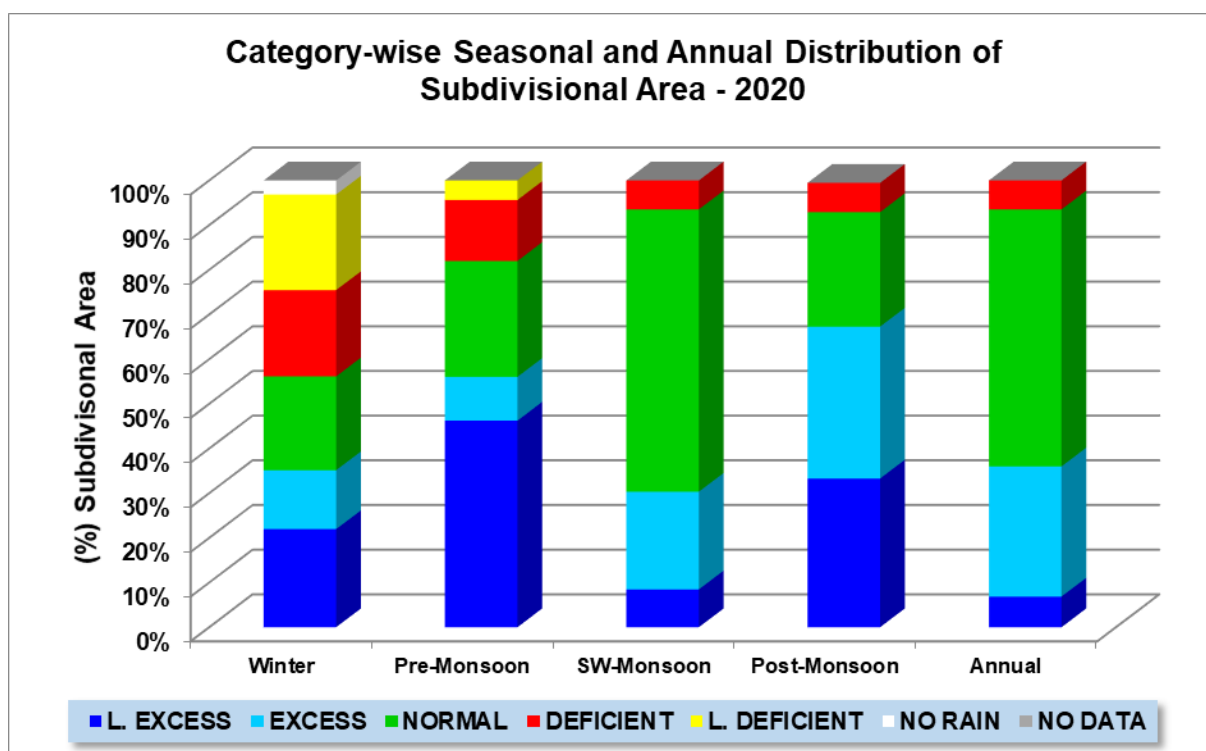
**Figure 10: % Area of the Met. Subdivisions under different rainfall categories-
Seasonal & Annual**

4.4   AREA (%) UNDER RAINFALL DEFICIENCY– SW Monsoon 2020

Area (%) of the 36 Met.Subdivisions of India under different categories of rainfall during SW Monsoon (June-September) have been given below in tabular form in Table 10 and has been depicted in graphical form in Figure 11 as well. Area distribution shows fairly good spatial distribution of Rainfall with 95 % of country area did not report any deficiency of rainfall and only 05% area under moderate deficiency. No area experienced severe deficiency of Rainfall.

Table 10: Met. Subdivisional Area (%) under Rainfall Deficiency – SW Monsoon 2020

Deficiency in Rainfall	Deficiency	% Area of Met. Subdivisions of India
< 26 %	No	95%
26 % or more but < 50 %	Moderate	05%
50 % or more	Severe	00%
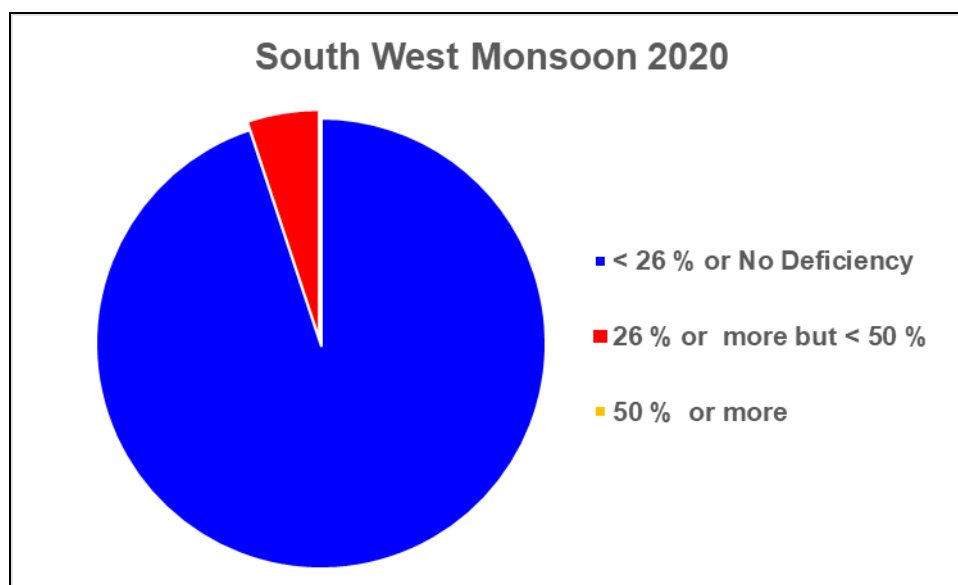
Figure 11: Met. Subdivisional Area (%) under Rainfall Deficiency – SW Monsoon 2020

4.5   ANNUAL & SEASONAL RAINFALL MAPS

Met.Subdivision-wise rainfall maps for the year 2020 and for the four seasons depicting the observed and normal rainfall values alongwith their percentage departure from normals with defined colors for different categories are given below at Figure 12 to Figure 16.

The normal rainfall values are shown in Bold figures on the map where as the actual rainfall are shown in small figures. Percentage departures of rainfall are shown within the brackets. Annuallly and for the SW-Monsoon season country experienced above normal rainfall with positive 10% & 9 % departures from the Normal respectively.

4.   **RAINFALL STATISTICS FOR METEOROLOGICAL SUBDIVISION**

Figure 12: Annual Rainfall Map
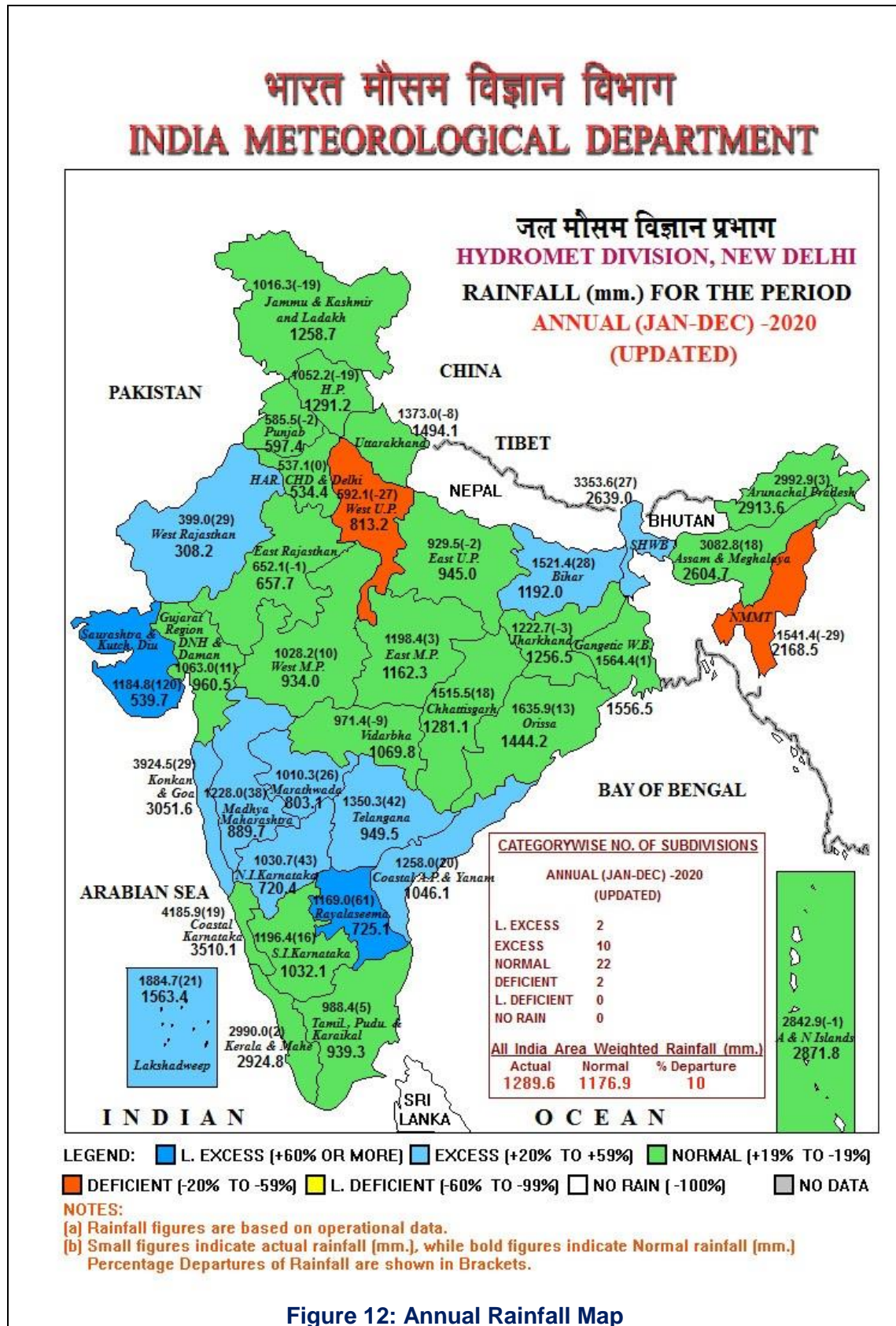
4. RAINFALL STATISTICS FOR METEOROLOGICAL SUBDIVISION
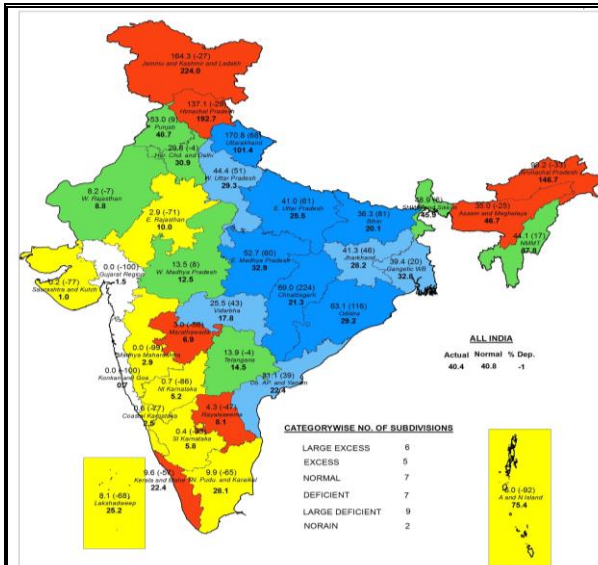
Figure 13: Winter Rainfall Map
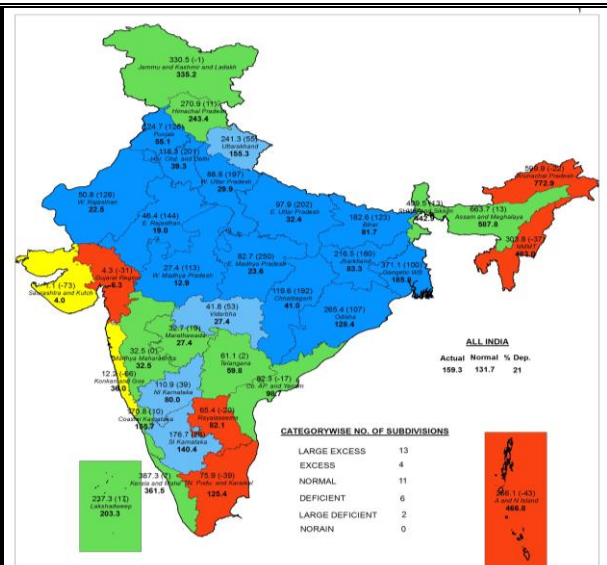
Figure 14: Pre-MonsoonRainfall Map
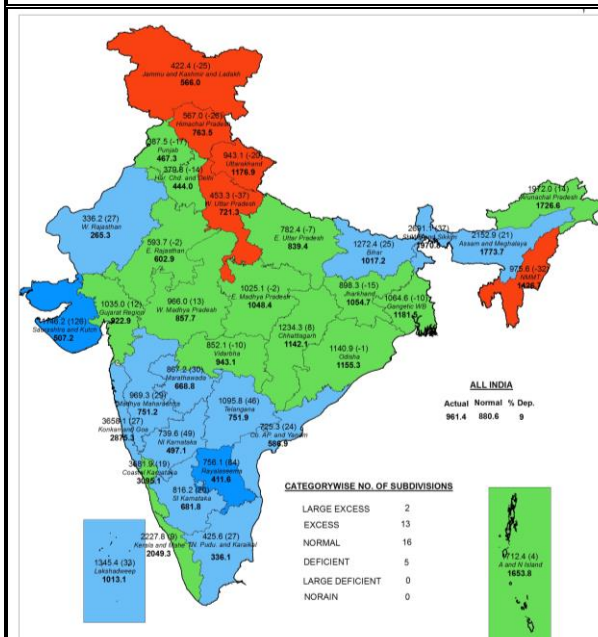
Figure 15: SW Monsoon Rainfall Map
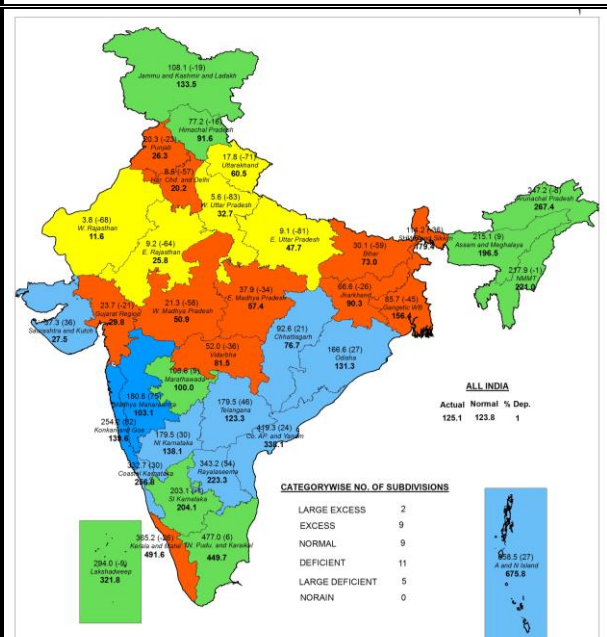
Figure 16: Post-Monsoon Rainfall Map

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

4.   RAINFALL STATISTICS FOR METEOROLOGICAL SUBDIVISION

4.5   MONTHLY RAINFALL STATISTICS

Met. Subdivision-wise monthly observed rainfall and % departure of rainfall from their normal rainfall have been given in Table 11 and Table 12 respectively.

Table 11: Met. Subdivision-wise monthly rainfall (mm) - Year 2020

METEOROLOGICAL SUB-DIVISIONS	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
EAST & NORTH EAST INDIA	29.3	19.5	46.4	114.7	242.7	400.1	472.0	285.1	351.8	119.4	20.2	3.2
ARUNACHAL PRADESH	61.8	36.3	49.7	183.7	361.6	522.7	625.1	318.1	506.1	172.4	58.0	16.8
ASSAM & MEGHALAYA	17.5	17.5	29.1	167.3	465.4	637.2	687.7	286.9	541.2	193.7	20.4	1.0
N M M T	33.8	10.2	9.7	122.7	171.3	259.3	295.6	229.1	191.7	180.5	37.2	0.3
SHWB & SIKKIM	21.2	27.7	64.1	155.4	280.0	680.2	870.7	414.5	725.7	104.3	5.5	4.3
GANGETIC WEST BENGAL	34.5	4.9	50.1	76.5	247.0	279.0	277.2	341.3	167.0	81.3	4.4	0.1
JHARKHAND	26.7	14.6	88.7	56.2	71.7	205.7	244.4	301.8	146.4	59.6	6.8	0.2
BIHAR	10.8	25.6	45.9	55.0	81.7	305.8	443.5	202.6	320.5	29.1	0.8	0.1
NORTH WEST INDIA	57.7	10.9	83.9	26.6	40.2	78.0	156.9	213.0	59.0	1.4	16.8	16.0
EAST U.P.	27.6	13.6	38.3	14.8	44.7	201.2	262.8	189.9	128.4	1.2	6.8	1.1
WEST U.P.	34.7	9.7	48.5	13.2	27.1	51.3	182.5	200.2	19.3	0.0	4.6	1.0
UTTARAKHAND	131.9	38.9	117.8	51.8	71.8	145.5	367.3	370.1	60.2	0.1	9.6	8.0
HAR. CHD & DELHI	23.1	6.7	69.1	7.9	40.9	47.4	166.3	140.9	25.2	0.0	6.5	2.1
PUNJAB	45.7	7.3	80.0	16.9	27.9	46.1	185.2	134.1	22.1	0.0	11.9	8.4
HIMACHAL PRADESH	124.5	12.6	159.7	53.1	58.0	68.1	203.5	265.4	29.9	0.5	42.4	34.3
J & K AND LADAKH	143.3	21.0	201.2	66.4	63.6	48.3	96.0	204.3	30.8	0.1	49.7	58.3
WEST RAJASTHAN	8.1	0.0	22.7	4.9	23.2	36.4	85.4	147.0	67.4	3.5	0.2	0.1
EAST RAJASTHAN	2.8	0.1	21.8	6.5	18.0	73.9	118.0	320.4	81.3	3.6	5.1	0.5
CENTRAL INDIA	13.8	14.7	26.8	23.9	25.8	219.9	250.6	495.0	157.0	76.9	3.0	4.4
ODISHA	16.3	46.8	62.1	111.3	92.0	251.1	224.8	511.2	153.8	162.1	4.6	0.0
WEST MADHYA PRADESH	11.7	1.8	14.6	1.9	10.9	192.2	167.5	475.2	131.2	9.8	3.1	8.3
EAST MADHYA PRADESH	33.7	19.0	41.3	16.7	24.7	212.5	200.0	484.3	128.3	26.0	6.2	5.7
GUJARAT REGION	0.0	0.0	3.5	0.0	0.8	104.9	170.8	635.7	123.7	10.6	0.0	13.1
SAURASHTRA & KUTCH	0.2	0.0	0.8	0.2	0.0	123.3	303.9	621.5	97.5	35.3	0.0	2.0
KONKAN & GOA	0.0	0.0	0.0	7.3	5.0	699.9	1086.6	1410.3	461.4	241.8	0.0	12.3
MADHYA MAHARASHTRA	0.0	0.0	8.8	7.8	15.9	238.3	211.2	329.6	190.2	155.6	2.3	7.2
MARATHWADA	2.4	0.7	12.2	10.3	10.3	217.3	233.2	167.3	249.4	106.5	0.0	0.2
VIDARBHA	19.8	5.7	27.8	6.4	7.5	168.2	254.4	308.2	121.3	47.7	4.1	0.2
CHHATTISGARH	29.6	39.4	50.7	29.1	39.9	277.9	269.7	519.2	167.4	87.5	4.4	0.8
SOUTH PENINSULA	6.5	3.7	12.8	41.5	61.6	171.9	250.7	255.6	259.2	167.6	100.6	51.1
A & N ISLAND	3.7	2.3	0.1	35.9	230.1	498.3	362.8	370.0	481.3	480.9	190.3	187.3
COASTAL A. P.& YANAM	18.6	12.5	20.0	43.9	18.4	120.0	220.6	167.6	217.2	212.4	181.0	25.9
TELANGANA	6.2	7.7	15.9	20.9	24.3	169.9	272.6	403.0	250.2	168.5	11.0	0.0
RAYALASEEMA	4.3	0.0	6.5	32.7	26.2	120.2	238.5	122.6	274.8	141.1	155.7	46.4
TAMIL., PUDU. & KARAIKAL	9.0	1.0	3.9	33.8	38.2	59.6	130.2	94.9	140.8	101.0	203.3	172.8
COASTAL KARNATAKA	0.0	0.6	7.5	42.1	121.2	788.3	973.3	1147.4	772.9	301.9	20.8	10.0
N. I. KARNATAKA	0.4	0.4	12.0	33.6	65.2	138.5	203.2	170.7	227.3	176.3	3.1	0.1
S. I. KARNATAKA	0.1	0.3	8.5	60.0	108.2	145.6	207.0	235.5	228.0	149.6	37.9	15.6
KERALA & MAHE	5.9	3.6	44.2	110.9	232.3	535.6	514.9	575.3	601.9	222.8	99.3	43.1
LAKSHADWEEP	7.9	0.1	13.8	8.8	214.7	265.4	476.2	269.6	334.3	70.4	71.5	152.1
COUNTRY AS A WHOLE	28.3	12.1	44.7	42.7	71.8	195.6	257.1	327.8	178.0	78.3	29.2	17.0

4.   RAINFALL STATISTICS FOR METEOROLOGICAL SUBDIVISION

It may be observed (Table 12) that most of the subdivisions were in Normal to excess/ Large category almost throughout the year except for the months of February, November and December " when they were in Deficient/Large Deficient/No-Rain" category.

Table 12: % Departure of Met. Subdivision-wise monthly rainfall (mm) - Year 2019

METEOROLOGICAL SUBDIVISIONS	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
EAST & NORTH EAST INDIA	60%	-42%	-27%	-8%	29%	15%	9%	-18%	23%	-8%	-18%	-75%
ARUNACHAL PRADESH	31%	-63%	-73%	-39%	26%	7%	19%	-12%	44%	-7%	28%	-54%
ASSAM & MEGHALAYA	13%	-44%	-62%	-14%	47%	28%	23%	-29%	72%	23%	-27%	-91%
N M M T	180%	-60%	-85%	-17%	-36%	-35%	-24%	-36%	-32%	9%	-15%	-98%
SHWB & SIKKIM	33%	-8%	15%	24%	7%	41%	39%	-14%	91%	-31%	-69%	-57%
GANGETIC WEST BENGAL	178%	-76%	67%	53%	134%	9%	-17%	9%	-40%	-36%	-80%	-99%
JHARKHAND	119%	-9%	487%	187%	47%	3%	-24%	1%	-38%	-20%	-24%	-96%
BIHAR	8%	153%	467%	229%	44%	82%	27%	-29%	49%	-53%	-86%	-98%
NORTH WEST INDIA	72%	-76%	77%	-16%	15%	4%	-26%	5%	-46%	-94%	41%	-24%
EAST U.P.	126%	2%	472%	147%	127%	86%	-7%	-28%	-31%	-97%	66%	-83%
WEST U.P.	182%	-43%	427%	144%	77%	-33%	-25%	-22%	-87%	-100%	22%	-85%
UTTARAKHAND	217%	-35%	115%	49%	9%	-18%	-10%	-7%	-69%	-99%	34%	-55%
HAR. CHD & DELHI	61%	-60%	471%	0%	112%	-1%	6%	-11%	-68%	-100%	71%	-68%
PUNJAB	118%	-74%	237%	25%	56%	-9%	5%	-16%	-73%	-100%	129%	-31%
HIMACHAL PRADESH	39%	-88%	44%	-19%	-13%	-32%	-25%	1%	-77%	-98%	109%	-22%
J & K AND LADAKH	54%	-84%	32%	-36%	-20%	-35%	-53%	10%	-70%	-99%	49%	-9%
WEST RAJASTHAN	181%	-99%	404%	0%	77%	-1%	-16%	67%	74%	-49%	-94%	-95%
EAST RAJASTHAN	-37%	-98%	523%	76%	53%	11%	-46%	44%	-14%	-74%	-37%	-87%
CENTRAL INDIA	84%	91%	219%	165%	28%	30%	-22%	61%	-11%	44%	-81%	-34%
ODISHA	34%	174%	164%	228%	30%	15%	-35%	40%	-32%	62%	-81%	-99%
W MADHYA PRADESH	77%	-69%	232%	-9%	71%	81%	-42%	56%	-18%	-67%	-76%	1%
E MADHYA PRADESH	111%	12%	282%	249%	208%	51%	-42%	32%	-36%	-24%	-48%	-49%
GUJARAT REGION	-100%	-100%	248%	-100%	-82%	-24%	-50%	115%	-17%	-41%	-100%	627%
SAURASHTRA & KUTCH	-41%	-100%	-16%	-26%	-99%	31%	55%	341%	27%	123%	-100%	80%
KONKAN & GOA	-100%	-100%	-99%	263%	-85%	1%	2%	86%	29%	119%	-99%	129%
MADHYA MAHARASHTRA	-99%	-100%	203%	8%	-29%	52%	-12%	67%	22%	112%	-90%	14%
MARATHWADA	-46%	-73%	103%	87%	-35%	57%	30%	-10%	51%	48%	-100%	-97%
VIDARBHA	96%	-27%	168%	-1%	-28%	-1%	-17%	1%	-24%	-17%	-72%	-97%
CHHATTISGARH	167%	286%	378%	134%	121%	44%	-28%	43%	-20%	47%	-57%	-89%
SOUTH PENINSULA	-21%	-54%	-11%	24%	-16%	7%	16%	35%	62%	8%	13%	53%
A & N ISLAND	-93%	-90%	-99%	-52%	-37%	20%	-10%	-10%	12%	70%	-20%	21%
COASTAL A. P.& YANAM	91%	-2%	48%	97%	-71%	14%	40%	3%	34%	11%	54%	-12%
TELANGANA	-20%	15%	30%	19%	-19%	30%	17%	79%	53%	82%	-55%	-99%
RAYALASEEMA	19%	-99%	-30%	75%	-52%	69%	158%	13%	97%	9%	122%	99%
TAMIL., PUDU. & KARAIKAL	-42%	-92%	-82%	-14%	-41%	15%	78%	2%	19%	-43%	13%	87%
COASTAL KARNATAKA	-100%	-29%	-3%	61%	0%	-9%	-13%	42%	153%	62%	-65%	-10%
N. I. KARNATAKA	-87%	-84%	62%	44%	33%	29%	65%	40%	57%	66%	-88%	-98%
S. I. KARNATAKA	-95%	-92%	-24%	41%	25%	1%	-3%	32%	56%	6%	-25%	31%
KERALA & MAHE	-30%	-74%	35%	5%	4%	-17%	-28%	35%	132%	-27%	-35%	24%
LAKSHADWEEP	-48%	-99%	29%	-75%	36%	-20%	62%	21%	102%	-51%	-43%	181%
COUNTRY AS A WHOLE	64%	-48%	47%	9%	16%	17%	-10%	27%	5%	3%	-4%	-2%

4.   RAINFALL STATISTICS FOR METEOROLOGICAL SUBDIVISION

4.6   CATEGORY-WISE MONTHLY DISTRIBUTION

The statistics and chart for monthly distribution of no. of Met. Subdivisions in different categories are given below in Table 13 and Figure 17 respectively.

It may be observed (Table 13) that more Met. Subdivision were in "Above Normal" rainfall category for the period from March to September.However for the months of February, October, November and December they were in the large deficient/deficient/No Rain category.

Table 13: Categorywise monthly number of Met. Subdivisions - Year 2020

Category	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
L. EXCESS	14	3	19	13	8	4	4	6	7	8	5	6
EXCESS	5	0	6	6	10	10	6	10	10	3	5	3
NORMAL	3	6	3	11	6	16	14	15	5	6	2	5
DEFICIENT	7	5	2	4	8	6	12	5	8	10	10	6
L. DEFICIENT	4	18	6	1	4	0	0	0	6	6	11	16
NO RAIN	3	4	0	1	0	0	0	0	0	3	3	0
NO DATA	0	0	0	0	0	0	0	0	0	0	0	0
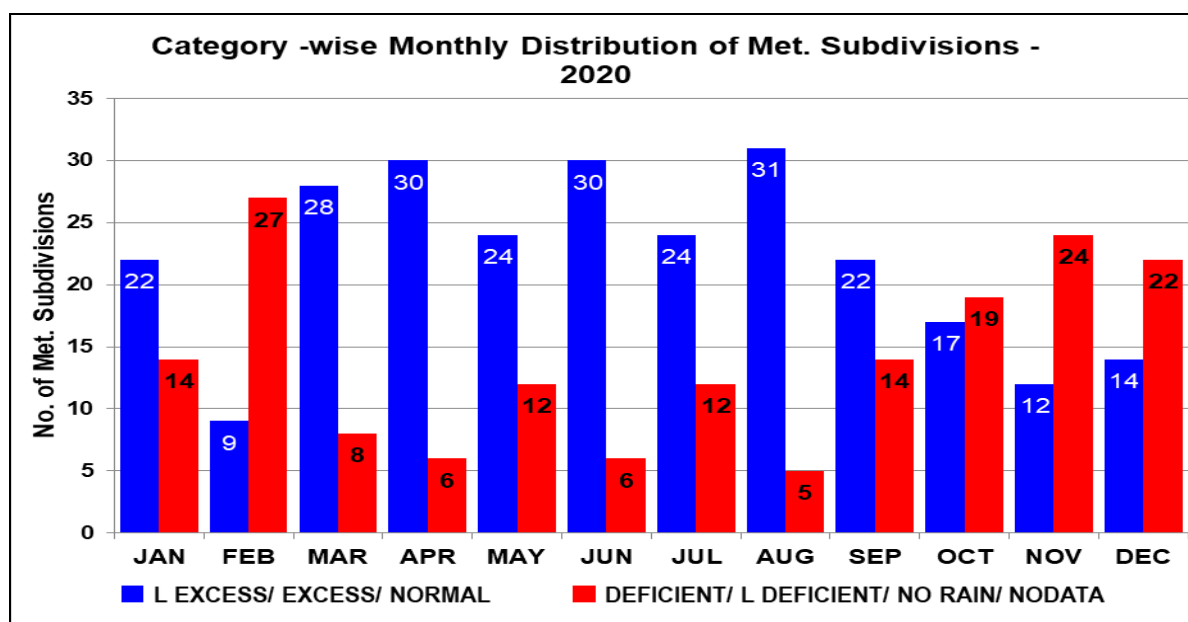
Figure 17: Categorywise distribution of Met. Subdivisions – Monthly - Year 2020

4.   RAINFALL STATISTICS FOR METEOROLOGICAL SUBDIVISION

4.7   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.
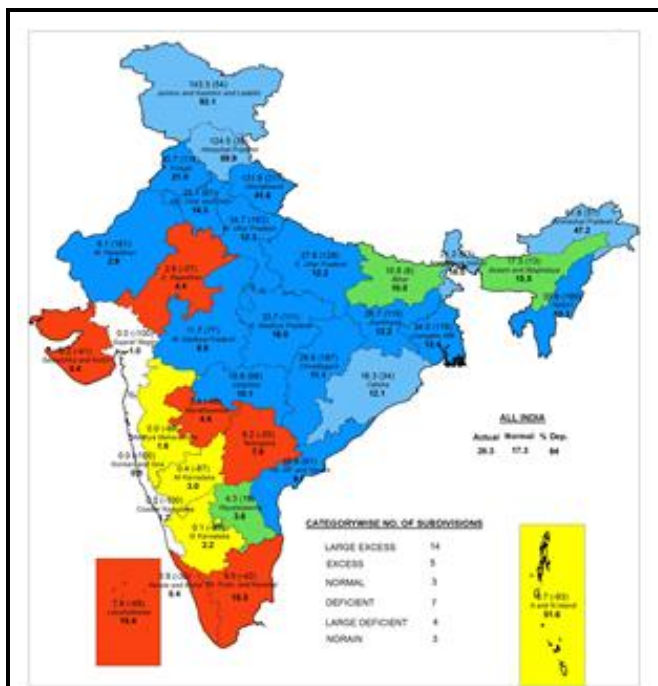
Figure 18: Rainfall map – January 2020
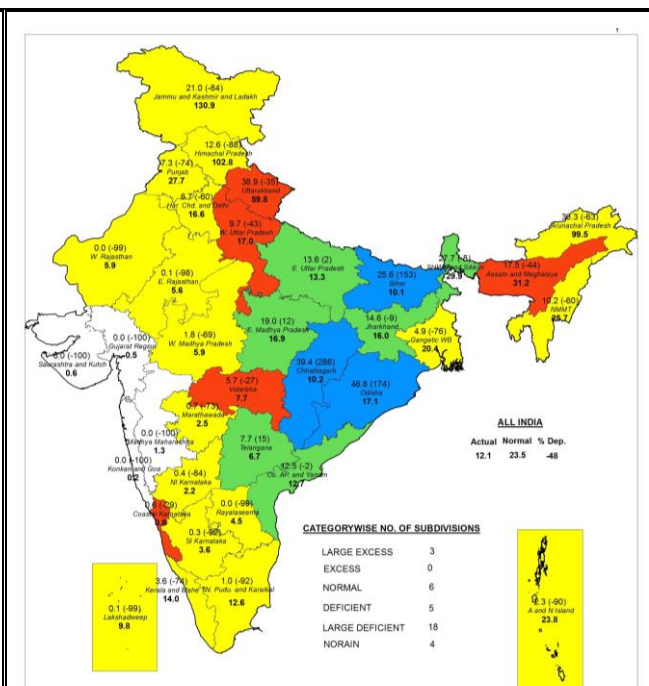
Figure 19: Rainfall map - February 2020
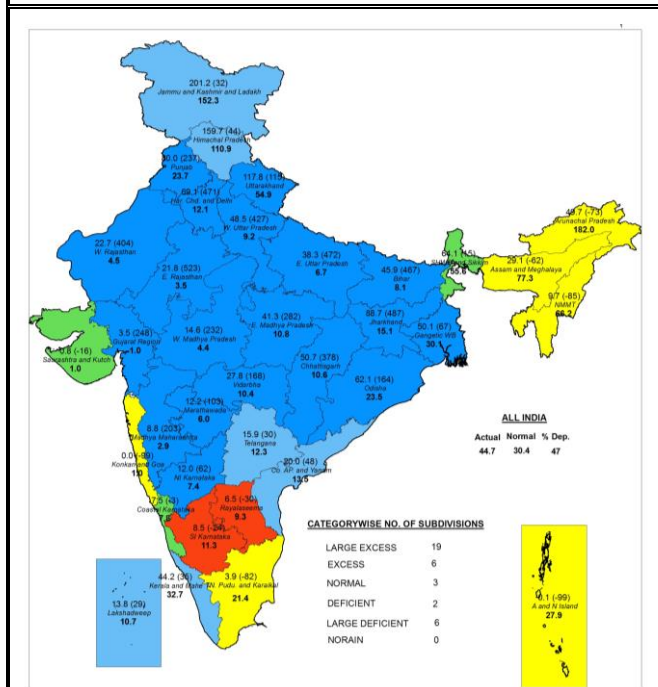
Figure 20: Rainfall map - March 2020
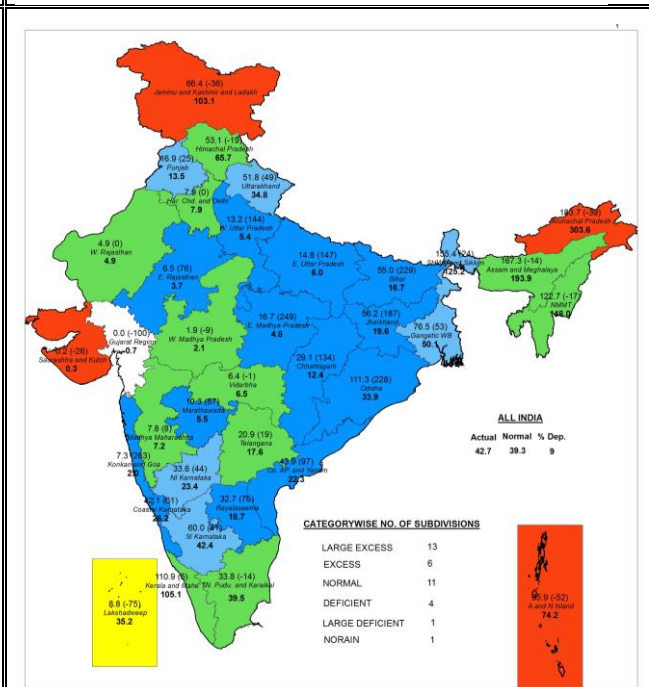
Figure 21: Rainfall map - April 2020

4.　　RAINFALL STATISTICS FOR METEOROLOGICAL SUBDIVISION
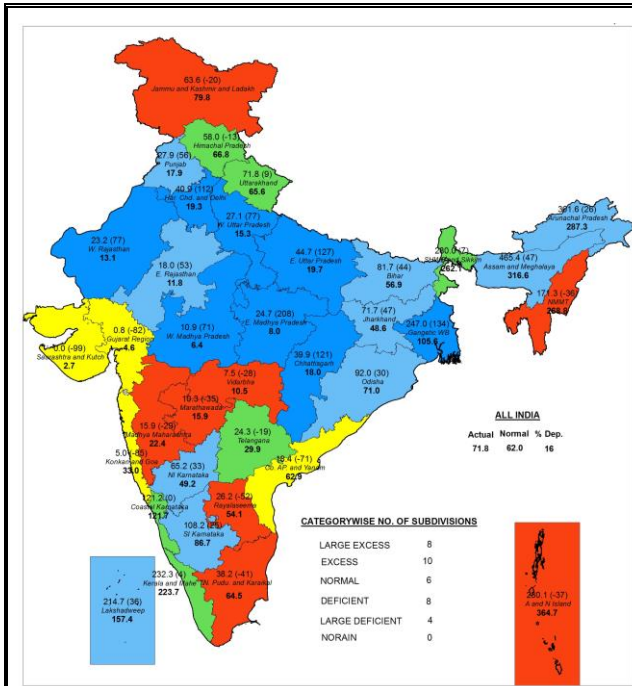
Figure 22: Rainfall map - May 2020
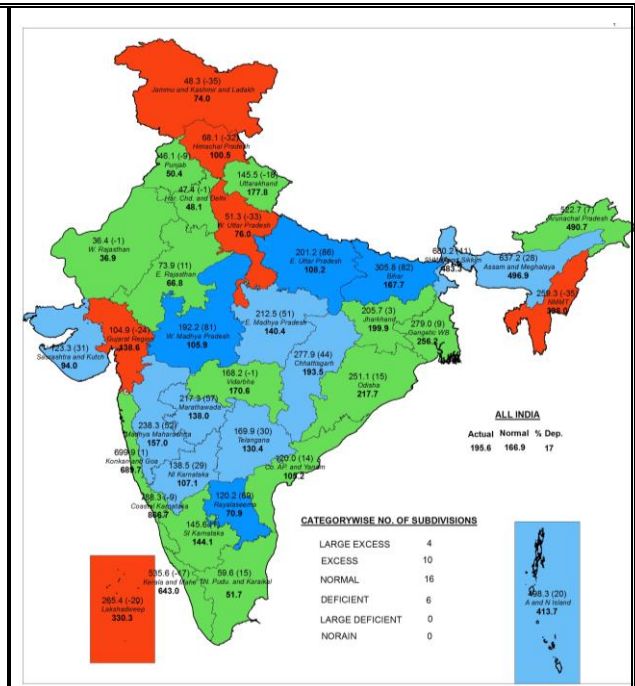
Figure 23: Rainfall map - June 2020
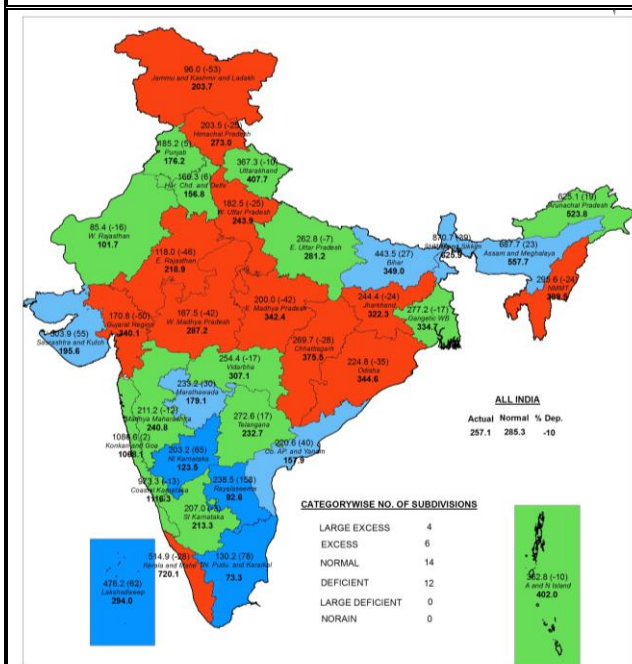
Figure 24: Rainfall map - July 2020
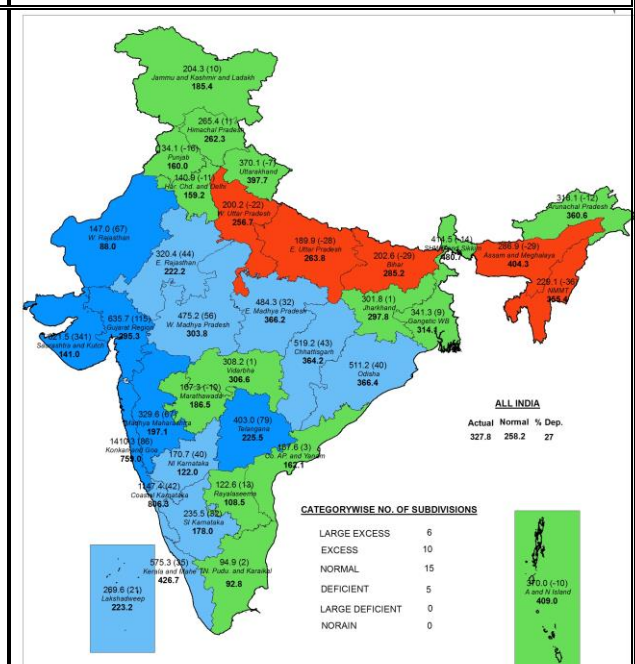
Figure 25: Rainfall map - August 2020

4.   RAINFALL STATISTICS FOR METEOROLOGICAL SUBDIVISION
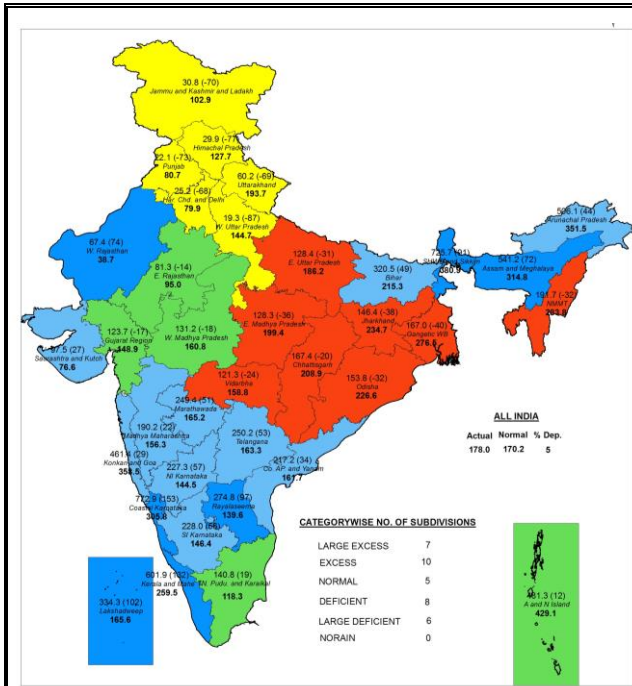
Figure 26: Rainfall map - September 2020
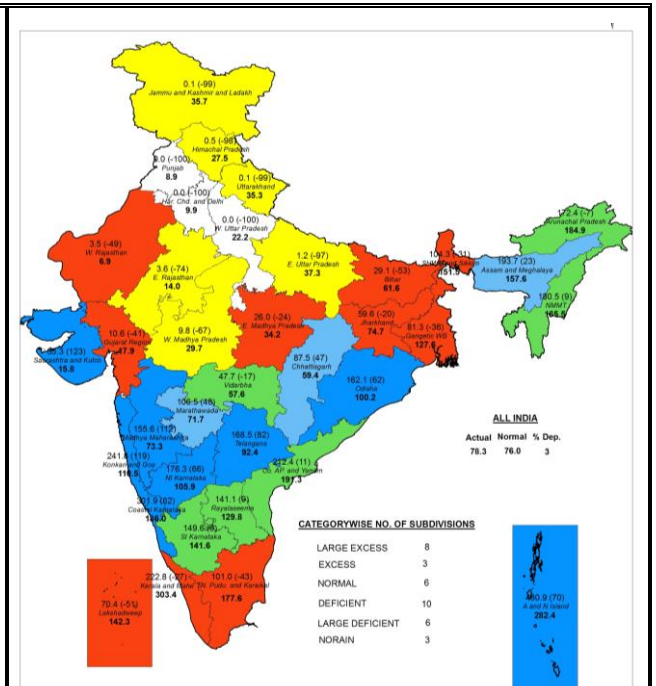
Figure 27: Rainfall map - October 2020
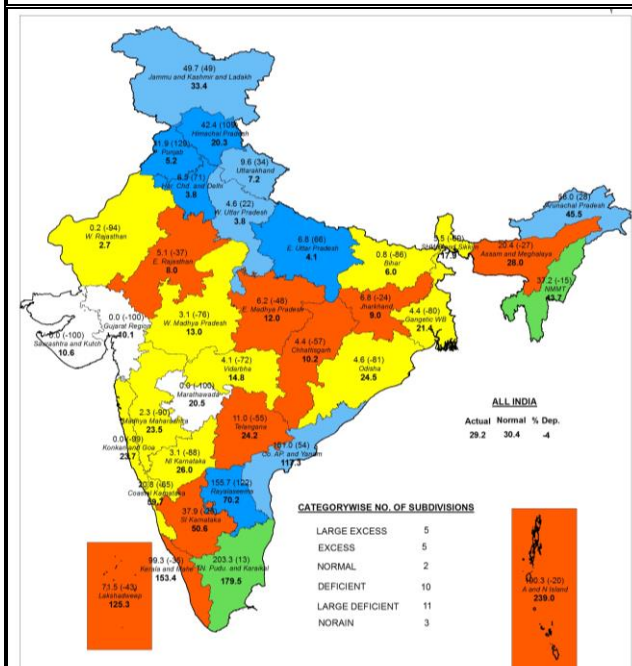
Figure 28: Rainfall map - November 2019
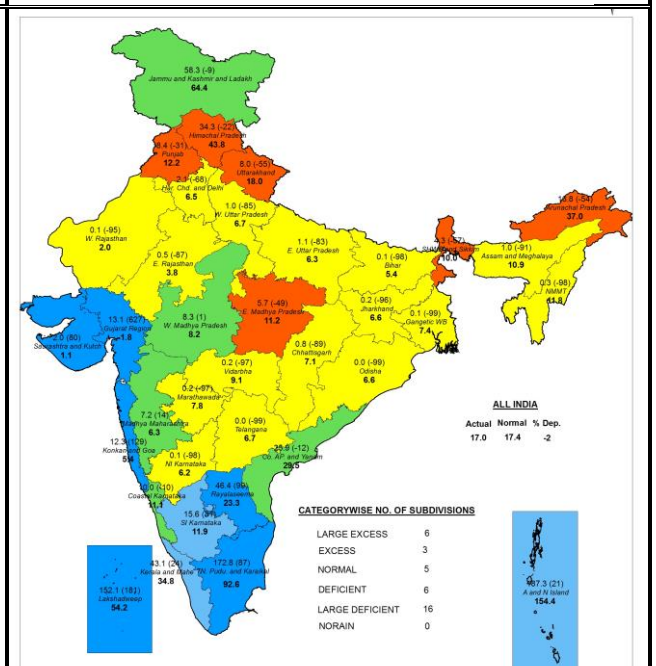
Figure 29: Rainfall map - December 2020

4.8   DAILY RAINFALL DISTRIBUTION – SW MONSOON 2020

Daily observed rainfall distributions for each of the 36 Met. Subdivisions along with their daily rainfall normals, region-wise, have been depicted in Figure30 to Figure 65.

REGION: NORTH WEST INDIA
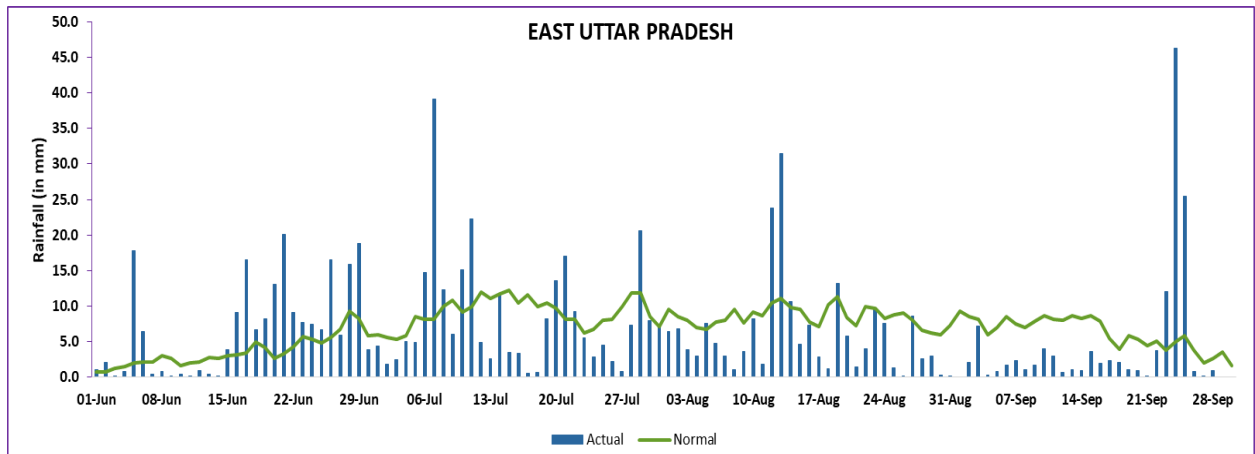
Figure 30: East Uttar Pradesh - Rainfall Distribution - SW Monsoon 2020
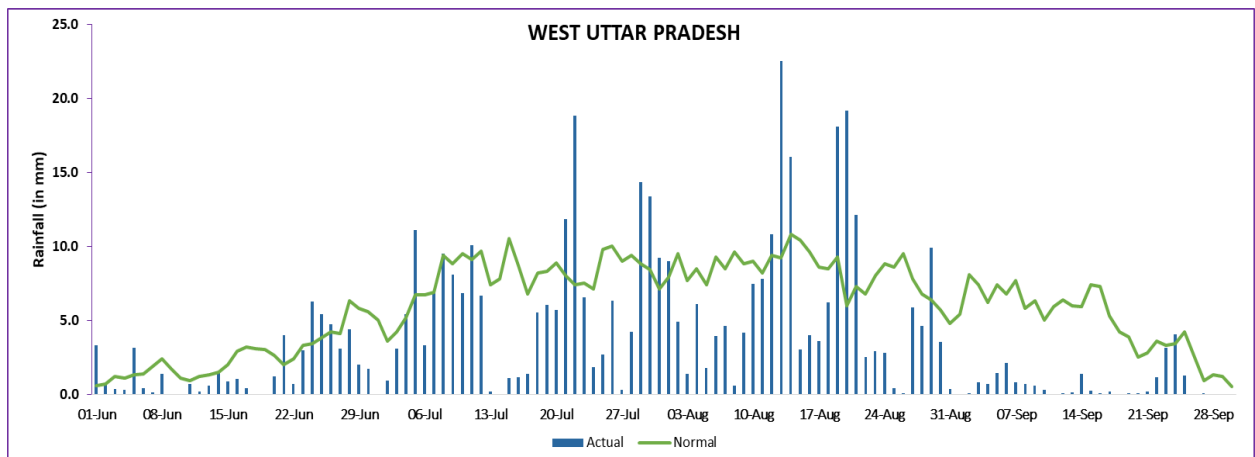
Figure 31: West Uttar Pradesh - Rainfall Distribution - SW Monsoon 2020
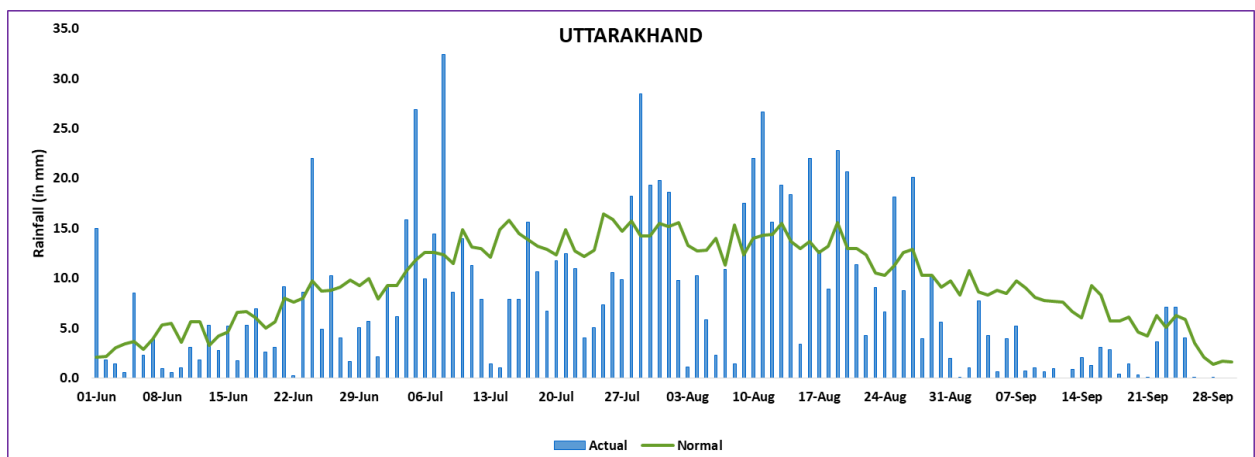
Figure 32: Uttarakhand - Rainfall Distribution - SW Monsoon 2020

4.   RAINFALL STATISTICS FOR METEOROLOGICAL SUBDIVISION
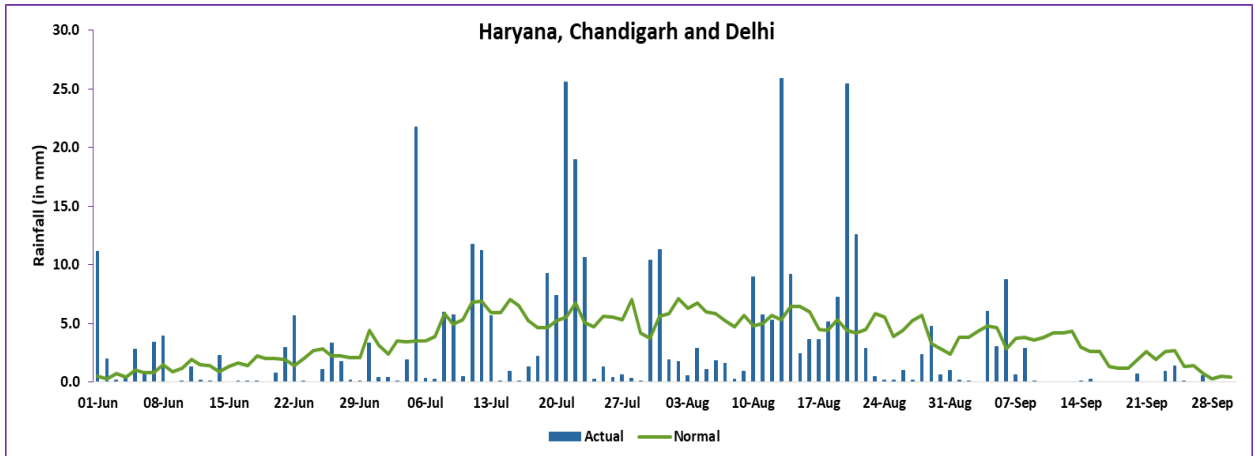
Figure 33: Haryana, Chandigarh & Delhi- Rainfall Distribution - SW Monsoon 2020
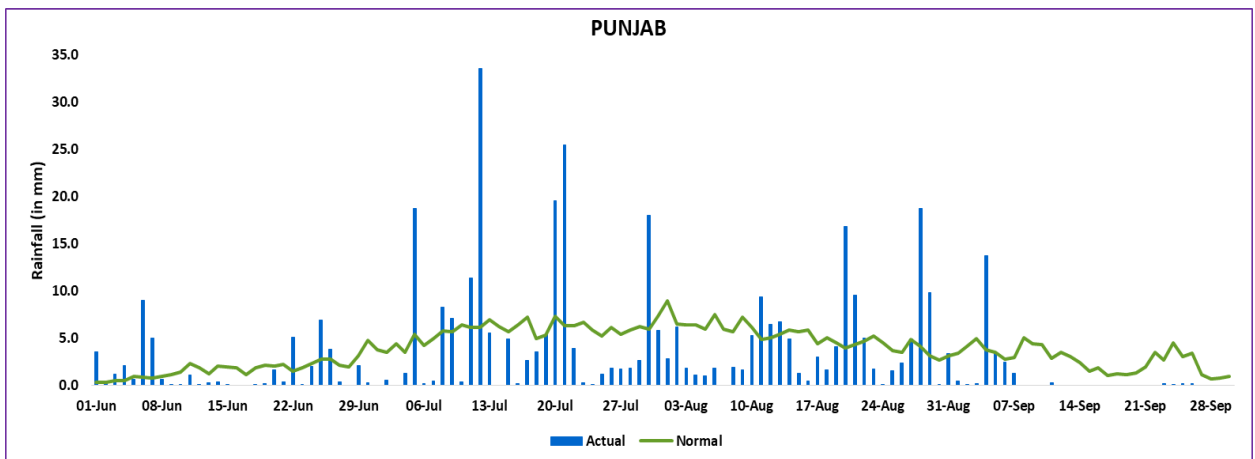
Figure 34: Punjab - Rainfall Distribution - SW Monsoon 2020
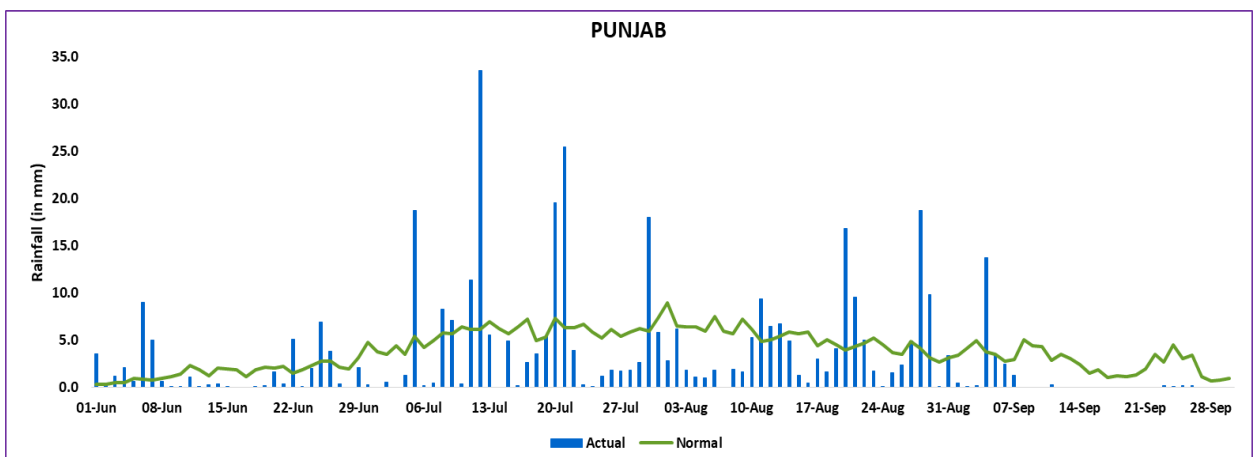
Figure 35: Himachal Pradesh - Rainfall Distribution - SW Monsoon 2020

4.   RAINFALL STATISTICS FOR METEOROLOGICAL SUBDIVISION
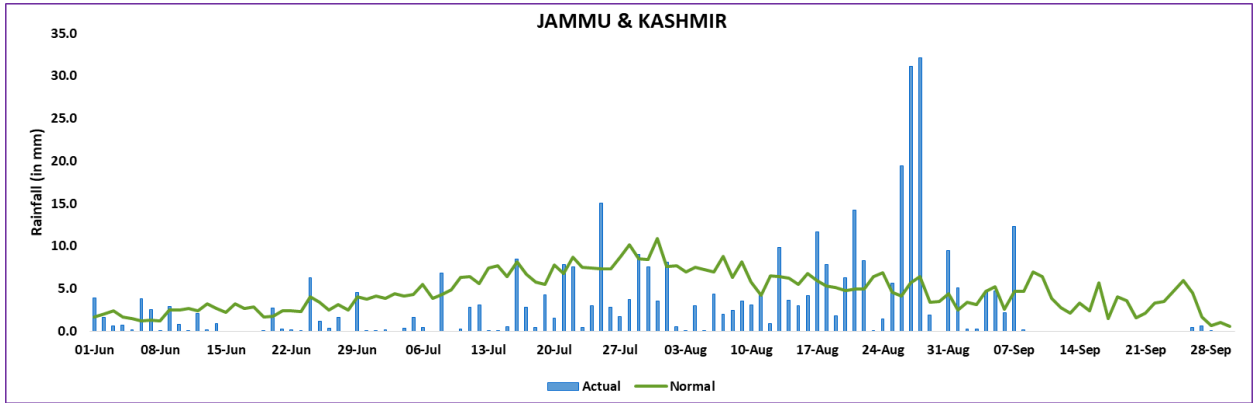
Figure 36: Jammu & Kashmir - Rainfall Distribution - SW Monsoon 2020
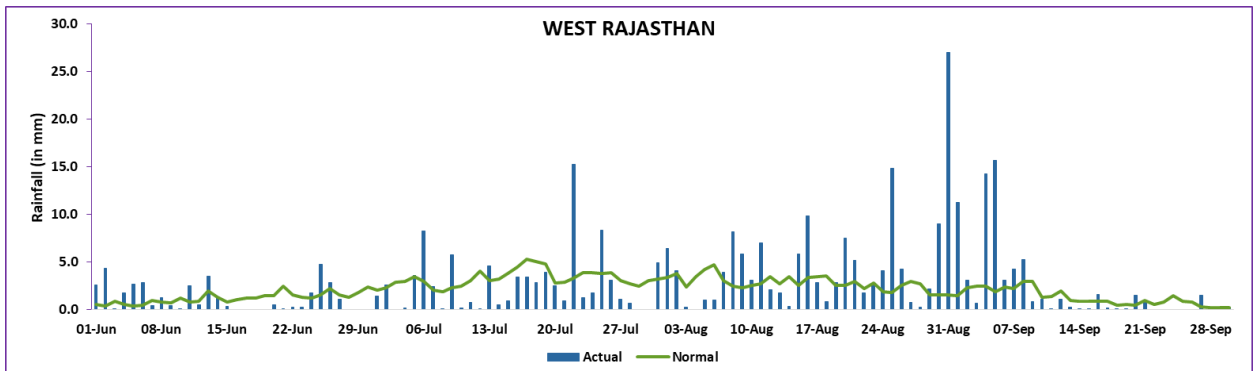
Figure 37: West Rajasthan - Rainfall Distribution - SW Monsoon 2020
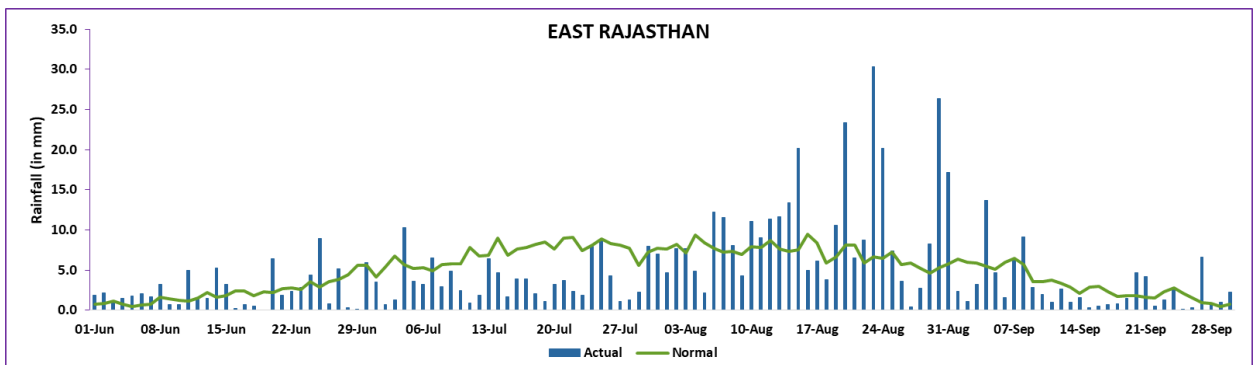
Figure 38: East Rajasthan - Rainfall Distribution - SW Monsoon 2020

4.   **RAINFALL STATISTICS FOR METEOROLOGICAL SUBDIVISION**

REGION: CENTRAL INDIA
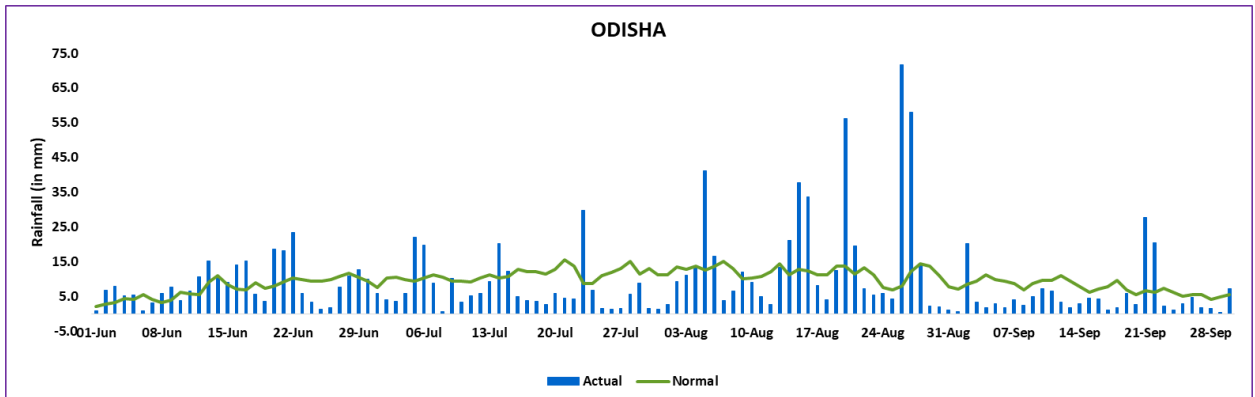
Figure 39: Odisha - Rainfall Distribution - SW Monsoon 2020
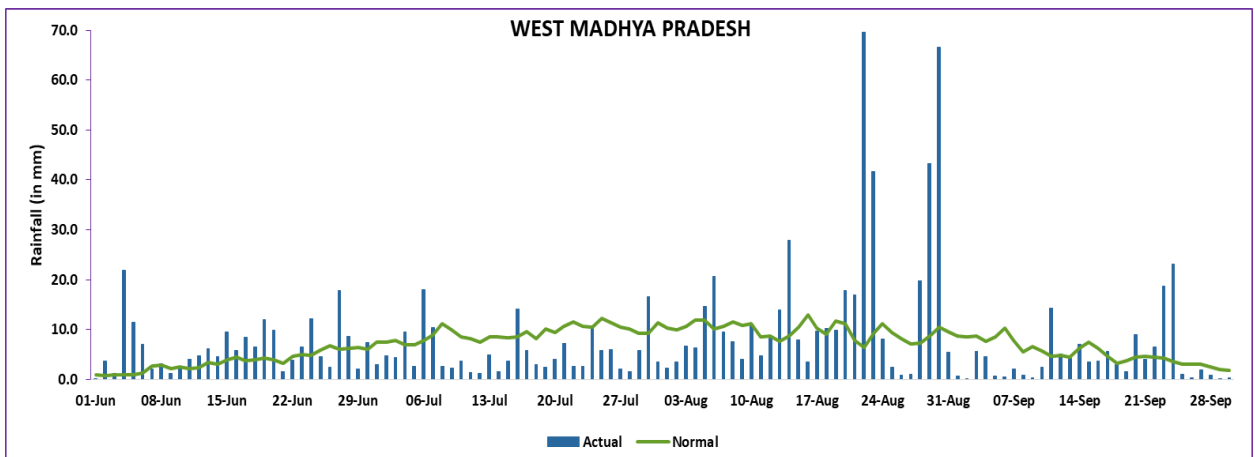
Figure 40: West Madhya Pradesh - Rainfall Distribution - SW Monsoon 2020
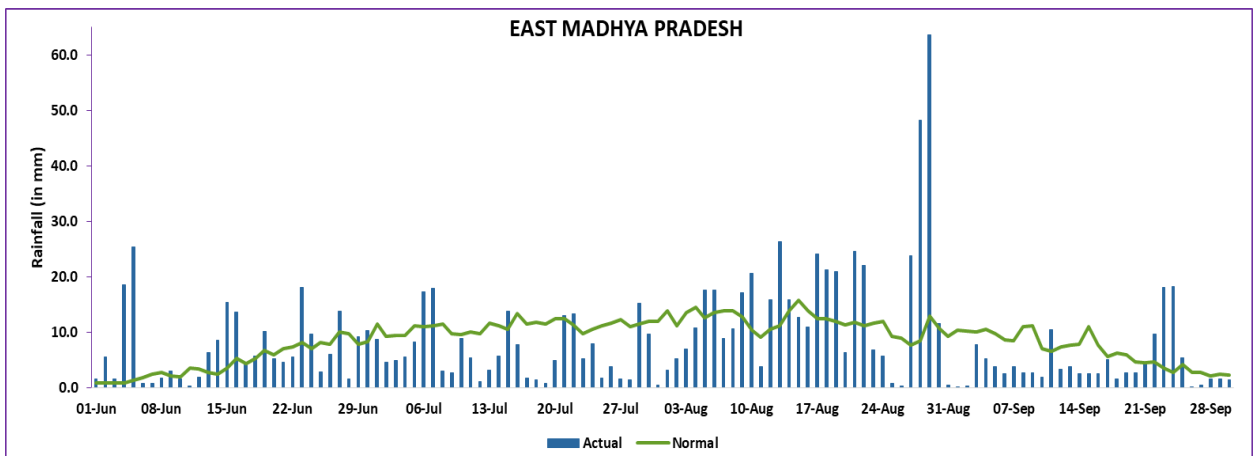
Figure 41: East Madhya Pradesh - Rainfall Distribution - SW Monsoon 2020

4.   RAINFALL STATISTICS FOR METEOROLOGICAL SUBDIVISION
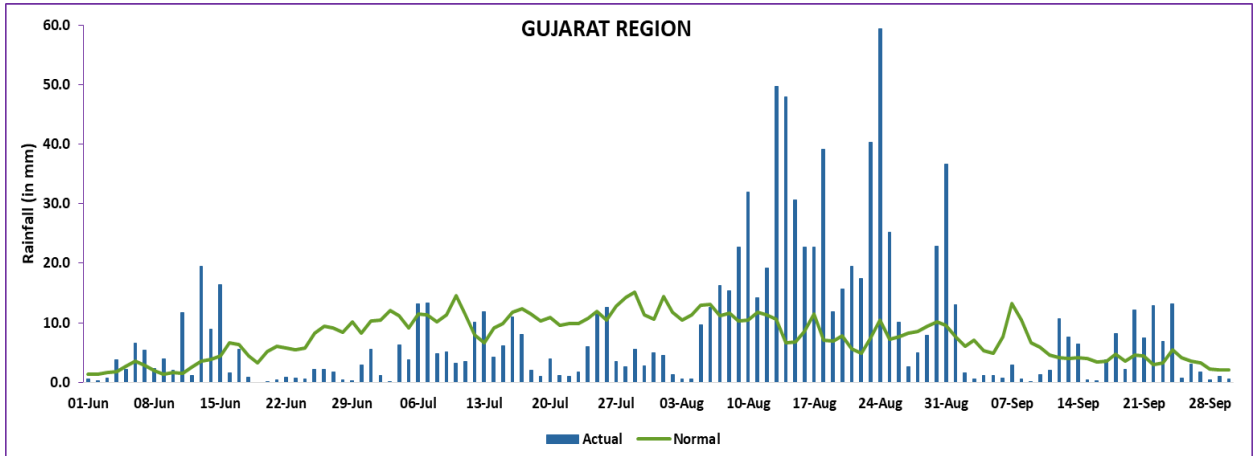
Figure 42: Gujarat Region - Rainfall Distribution - SW Monsoon 2020
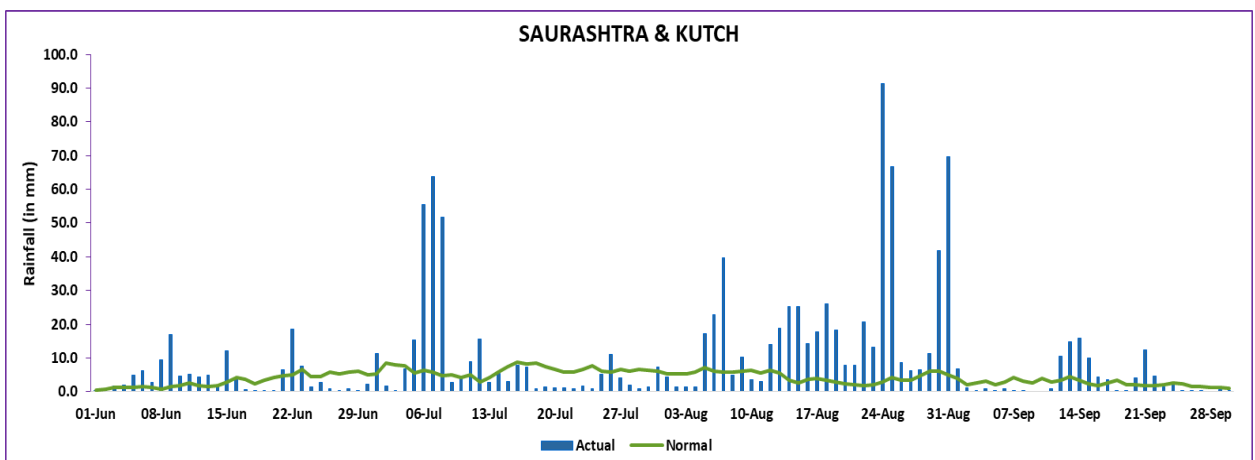
Figure 43: Saurashtra & Kutch - Rainfall Distribution - SW Monsoon 2020
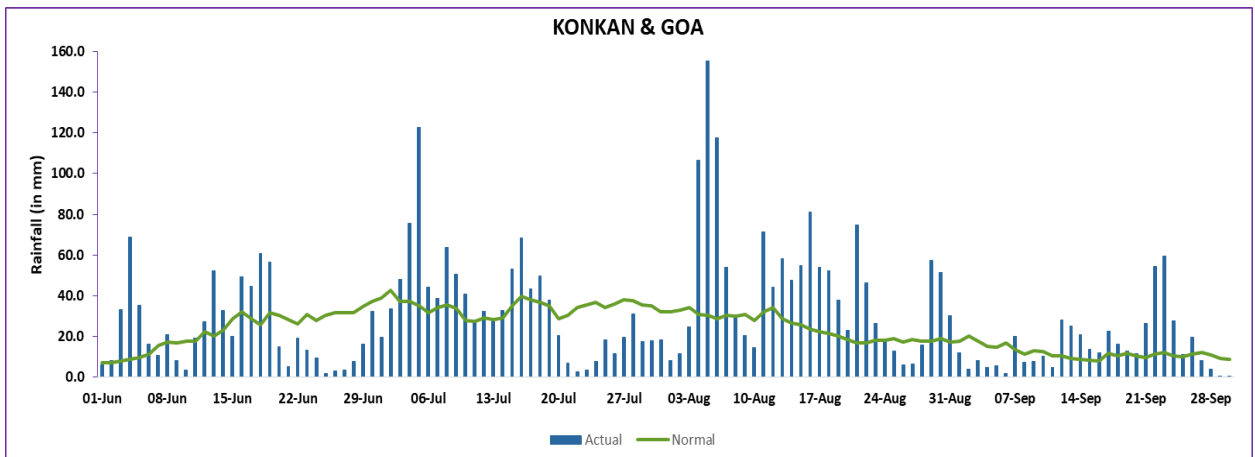
Figure 44: Konkan & Goa - Rainfall Distribution - SW Monsoon 2020

4.   RAINFALL STATISTICS FOR METEOROLOGICAL SUBDIVISION
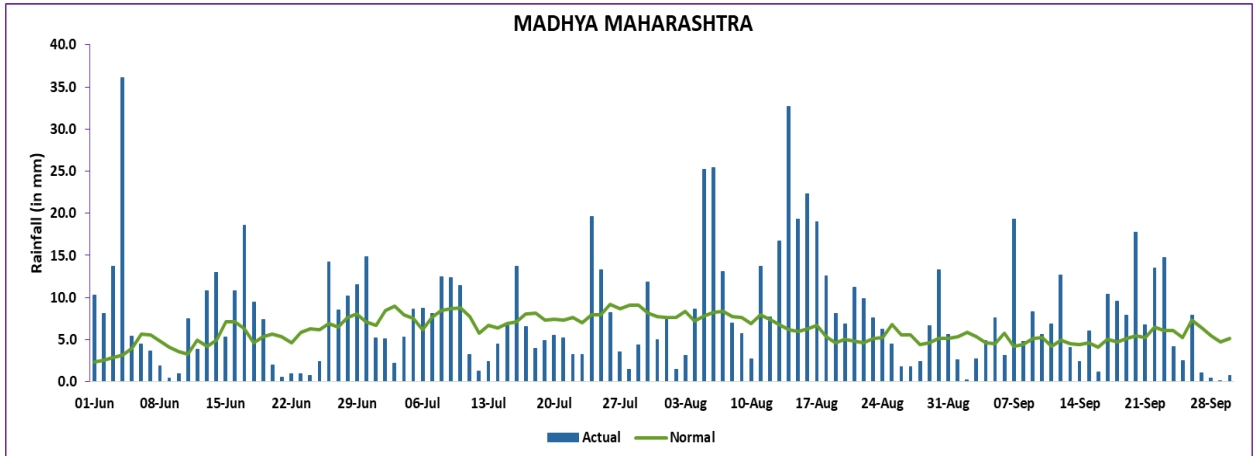
Figure 45: Madhya Maharashtra - Rainfall Distribution - SW Monsoon 2020
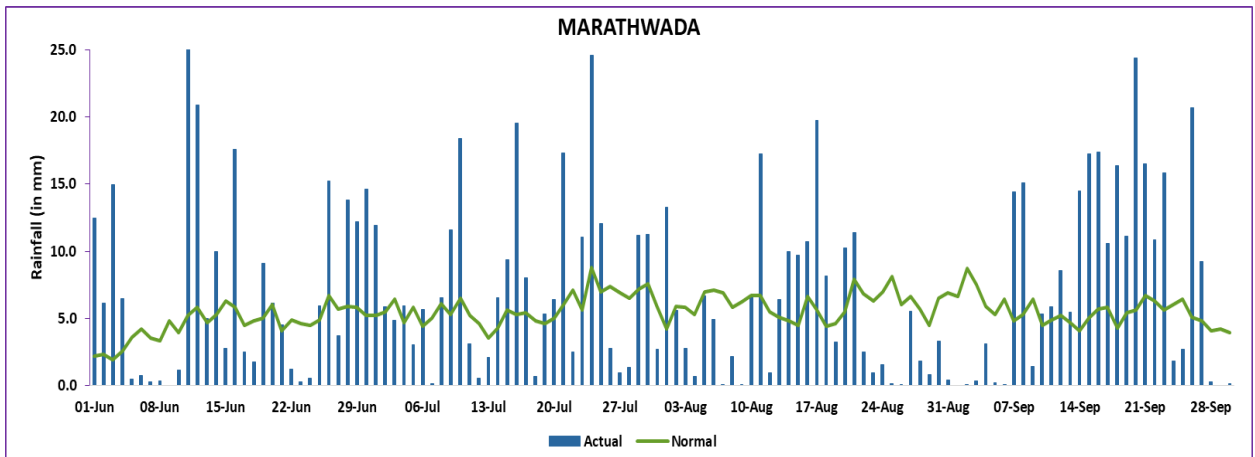
Figure 46: Marathwada - Rainfall Distribution - SW Monsoon 2020
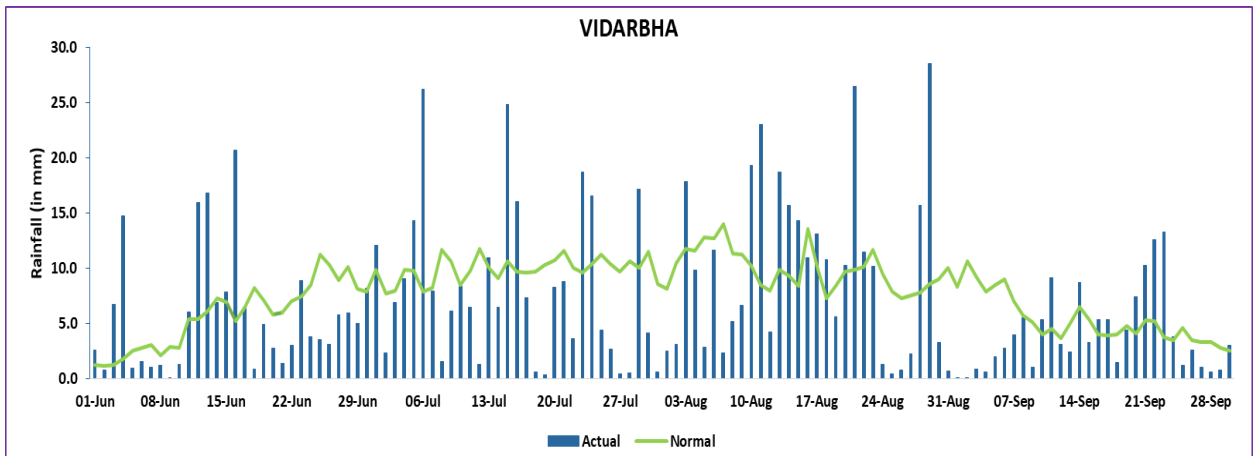
Figure 47: Vidarbha - Rainfall Distribution - SW Monsoon 2020

4.   RAINFALL STATISTICS FOR METEOROLOGICAL SUBDIVISION
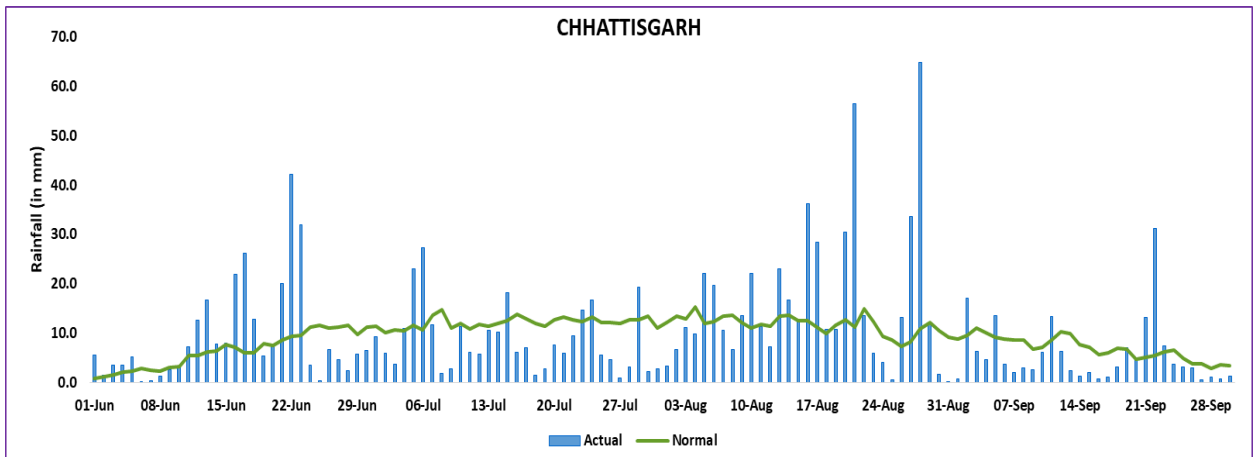
Figure 48: Chhattisgarh - Rainfall Distribution - SW Monsoon 2020

REGION: SOUTH PENINSULA
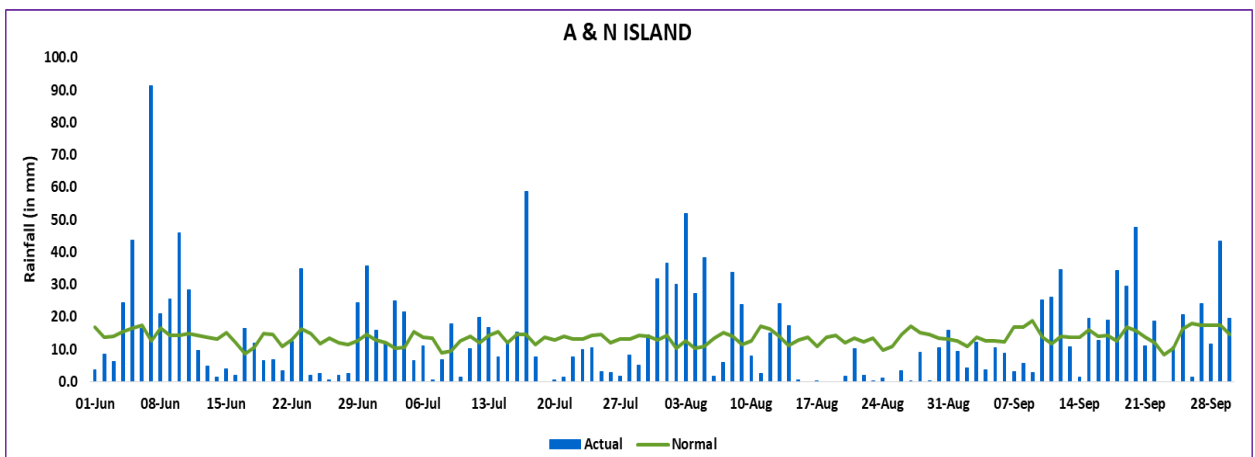
Figure 49: Andaman & Nicobar Islands - Rainfall Distribution - SW Monsoon 2020
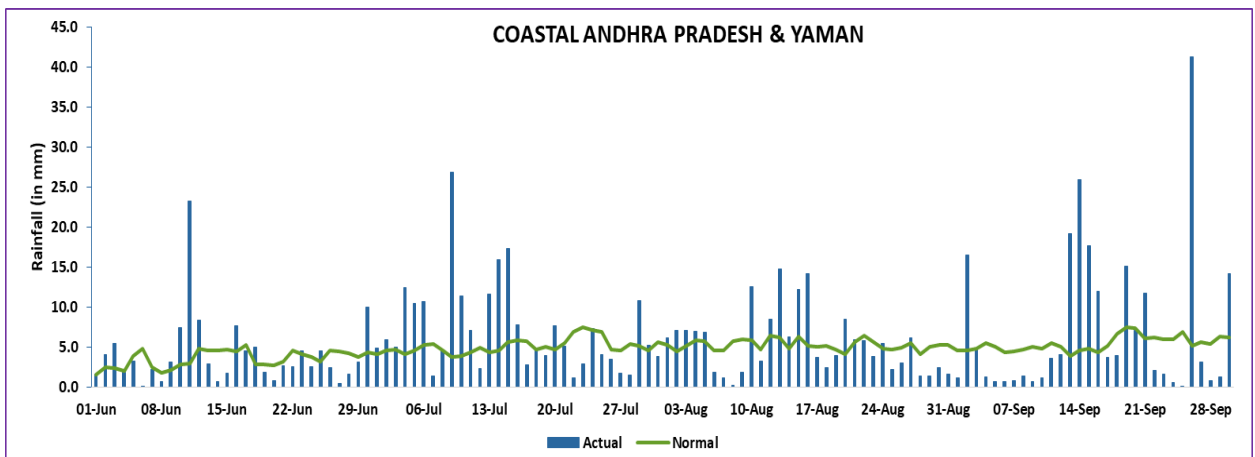
Figure 50: Coastal A. P. & Yaman- Rainfall Distribution - SW Monsoon 2020

4.   RAINFALL STATISTICS FOR METEOROLOGICAL SUBDIVISION
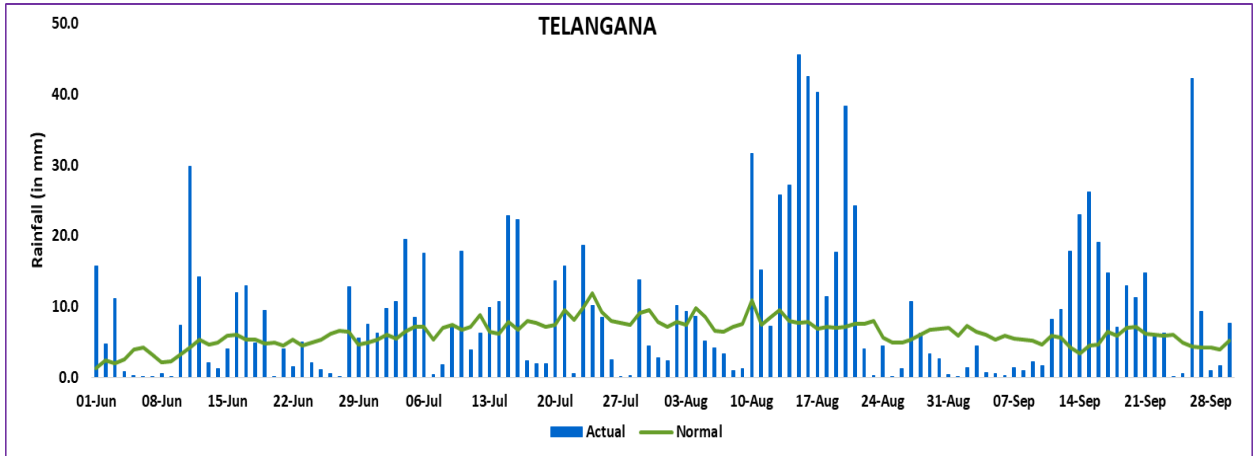
Figure 51: Telangana - Rainfall Distribution - SW Monsoon 2020
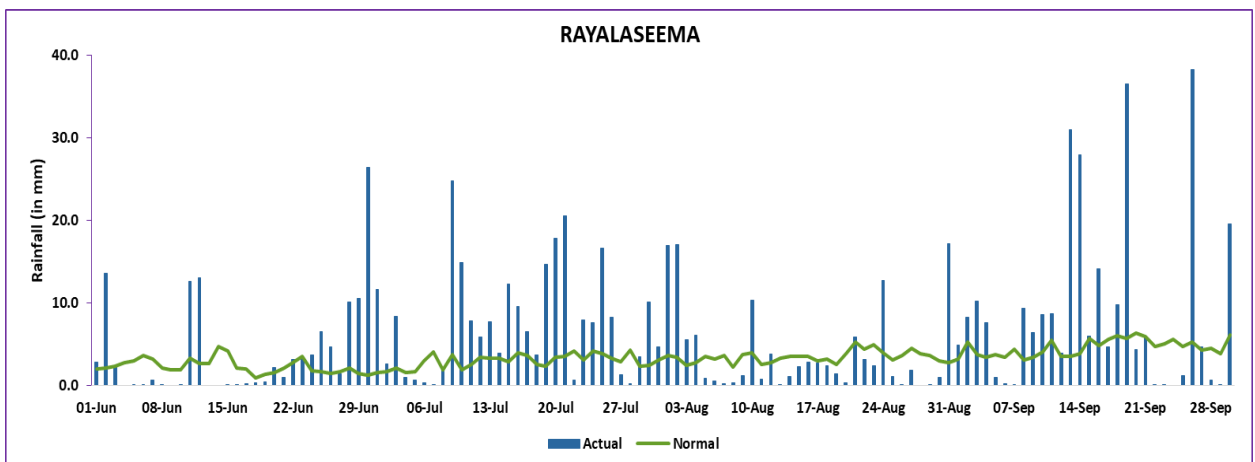
Figure 52: Rayalaseema - Rainfall Distribution - SW Monsoon 2020
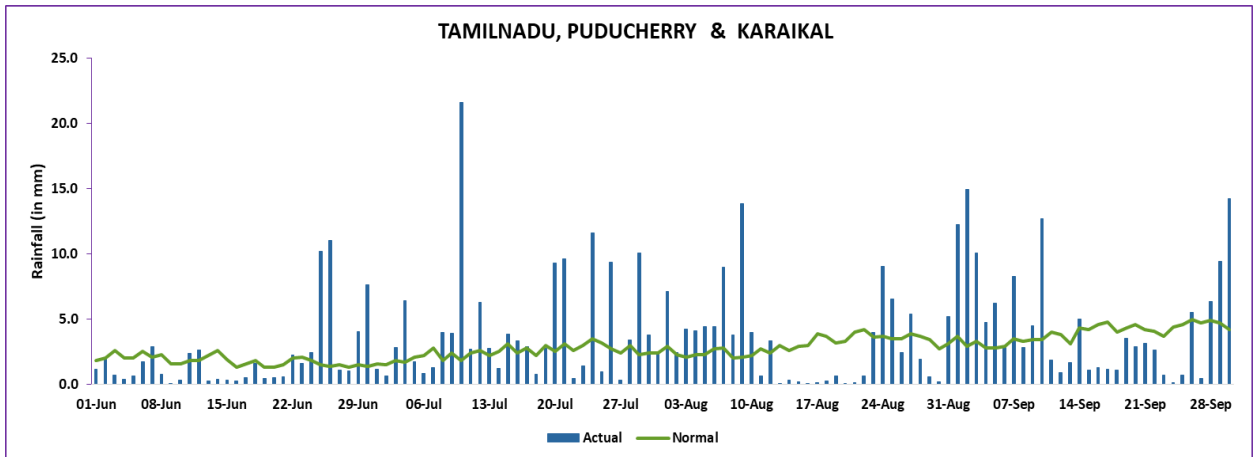
Figure 53: Tamil., Pudu. & Karaikal - Rainfall Distribution - SW Monsoon 2020

4.   RAINFALL STATISTICS FOR METEOROLOGICAL SUBDIVISION
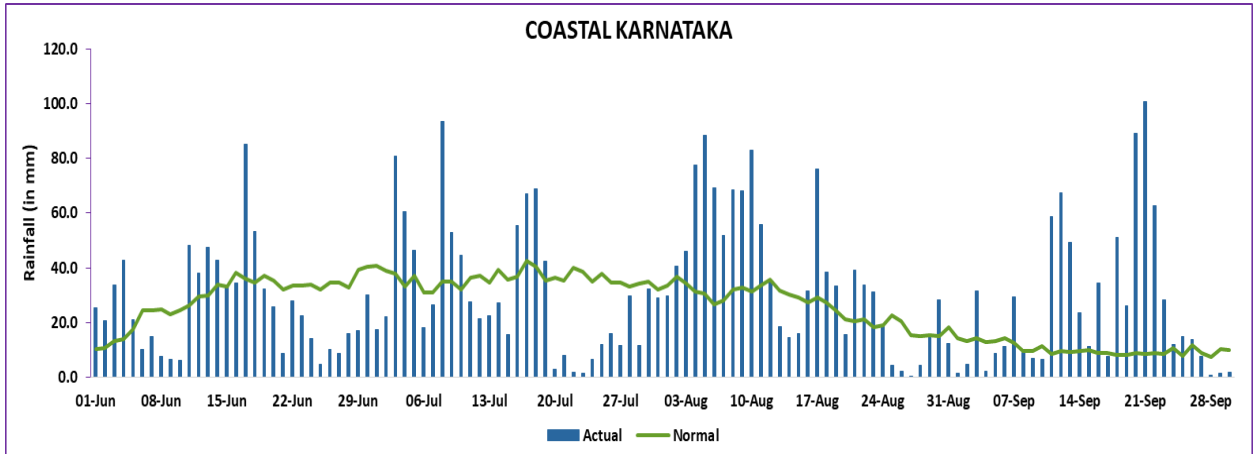
Figure 54: Coastal Karnataka - Rainfall Distribution - SW Monsoon 2020
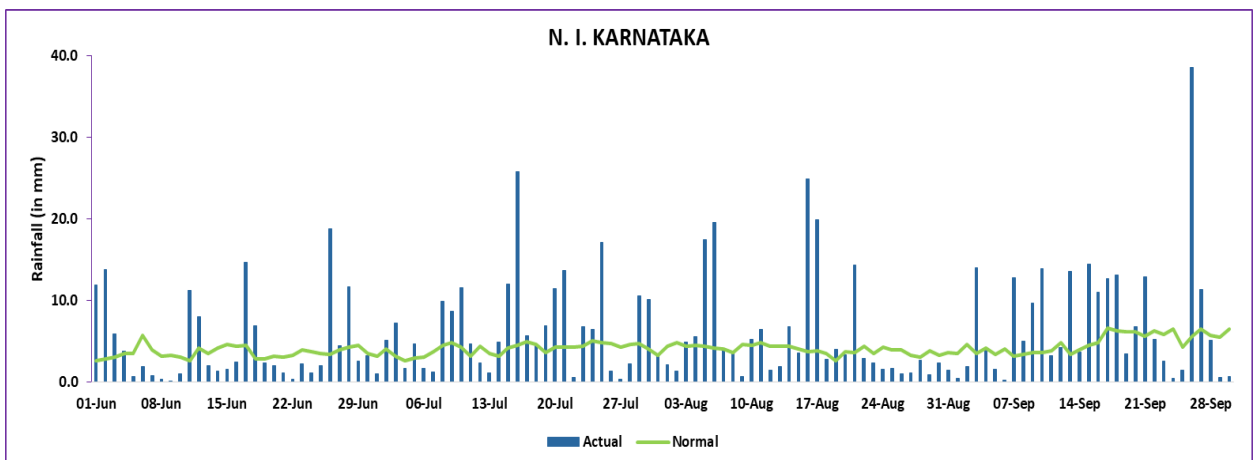
Figure 55: North Interior Karnataka - Rainfall Distribution - SW Monsoon 2020
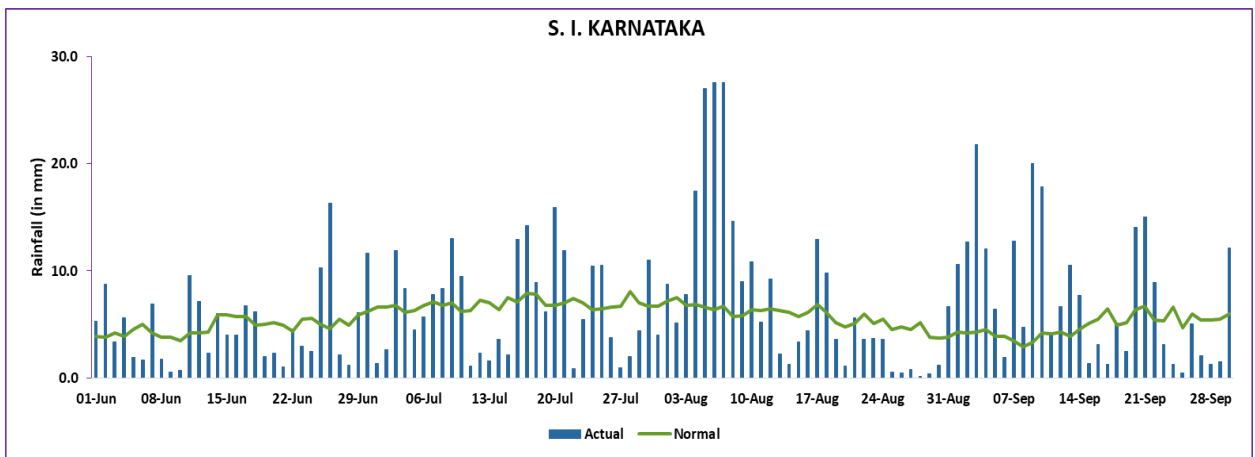
Figure 56: South Interior Karnataka - Rainfall Distribution - SW Monsoon 2020

4.   RAINFALL STATISTICS FOR METEOROLOGICAL SUBDIVISION
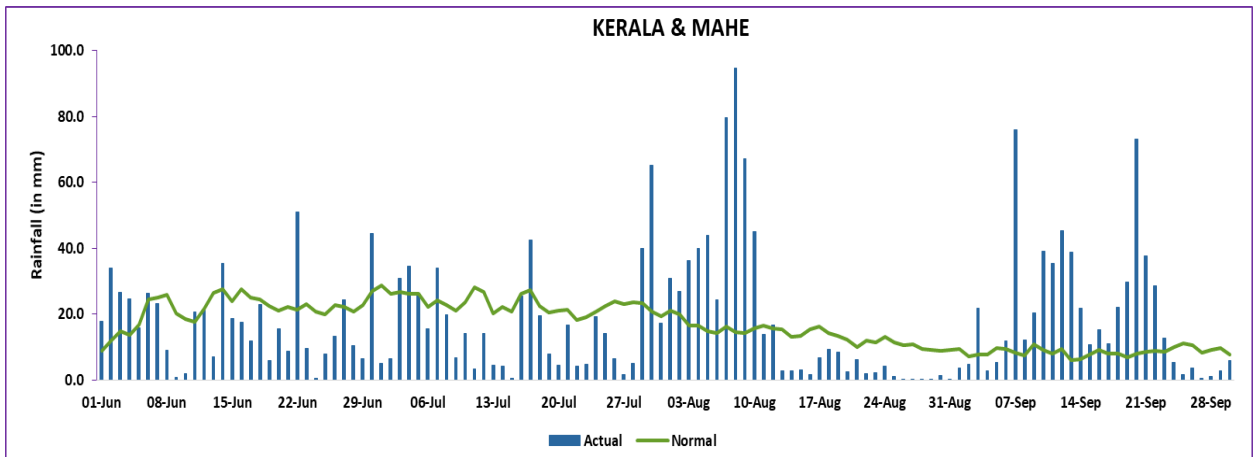
Figure 57: Kerala & Mahe - Rainfall Distribution - SW Monsoon 2020
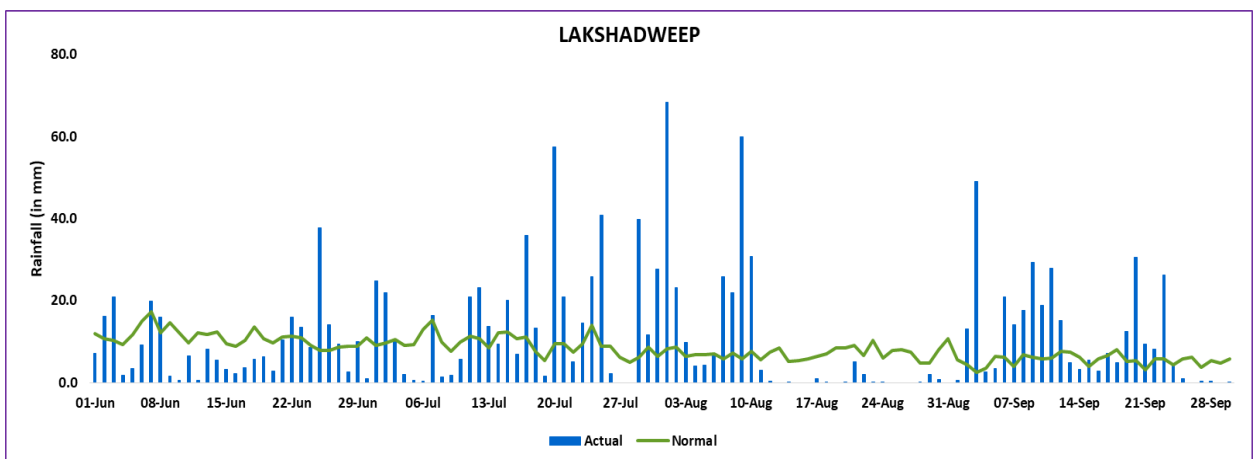
Figure 58: Lakshadweep - Rainfall Distribution - SW Monsoon 2020

REGION: EAST & NORTH EAST INDIA
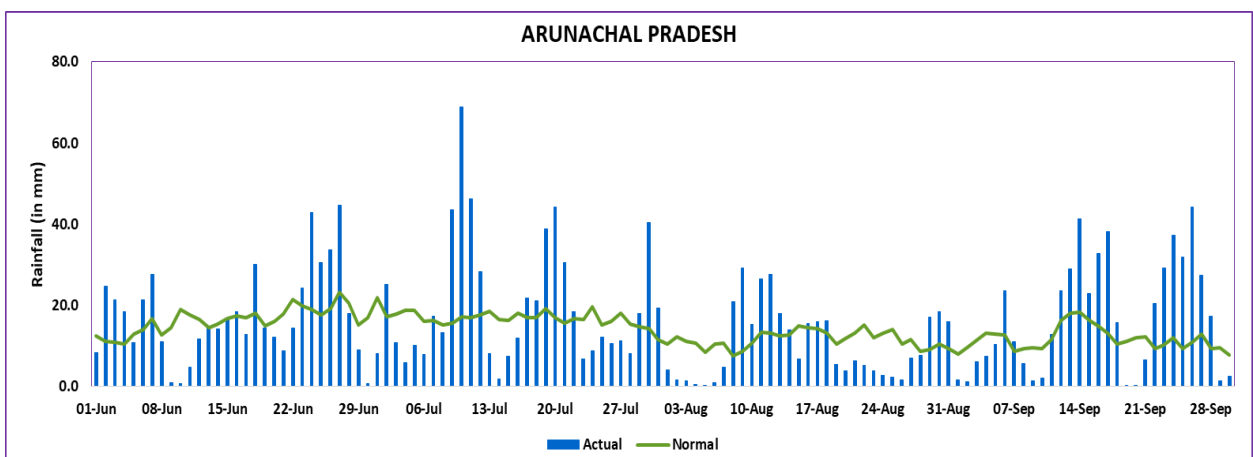
Figure 59: Arunachal Pradesh - Rainfall Distribution - SW Monsoon 2020

4. RAINFALL STATISTICS FOR METEOROLOGICAL SUBDIVISION
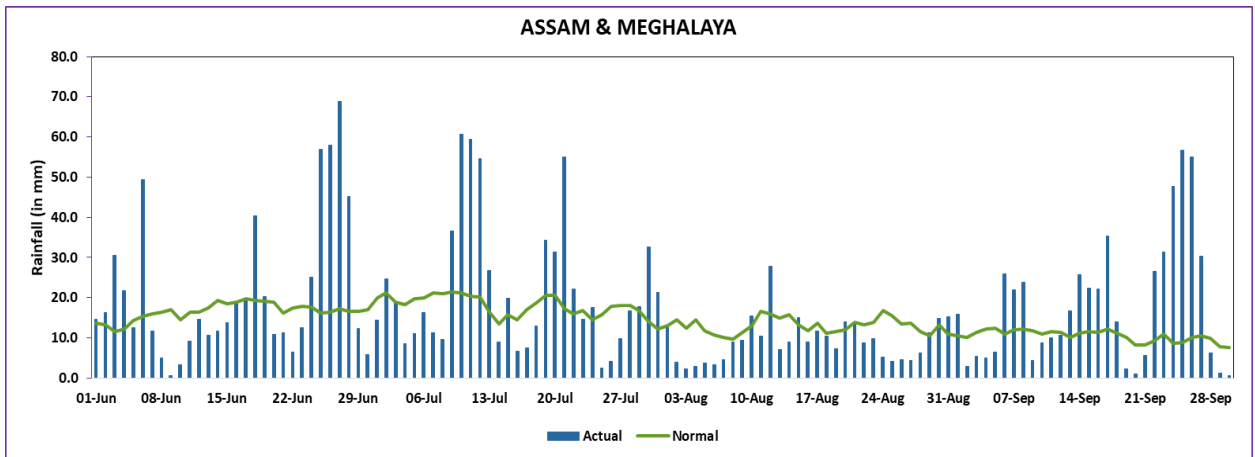
Figure 60: Assam &Meghalaya - Rainfall Distribution - SW Monsoon 2020
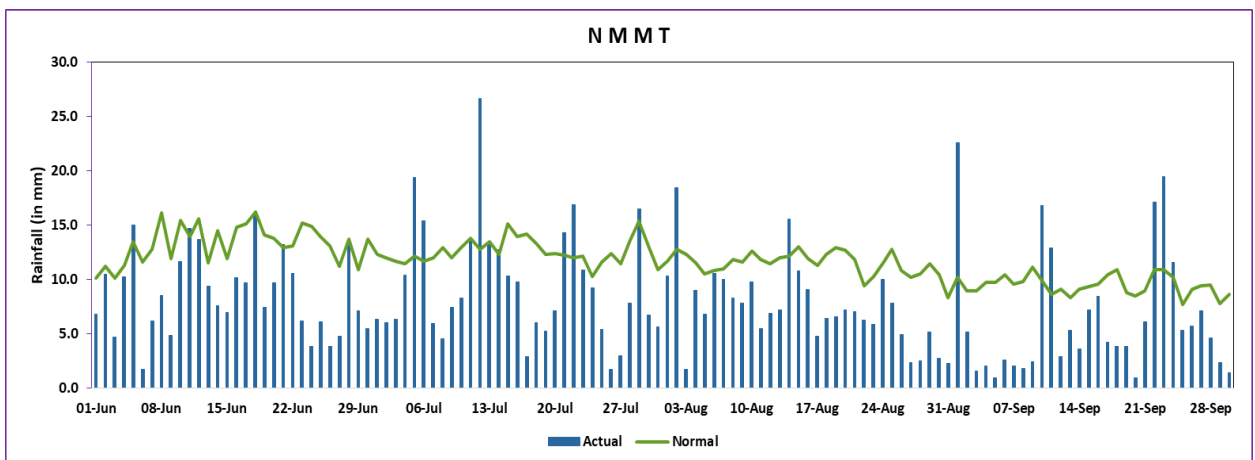
Figure 61: NMMT - Rainfall Distribution - SW Monsoon 2020
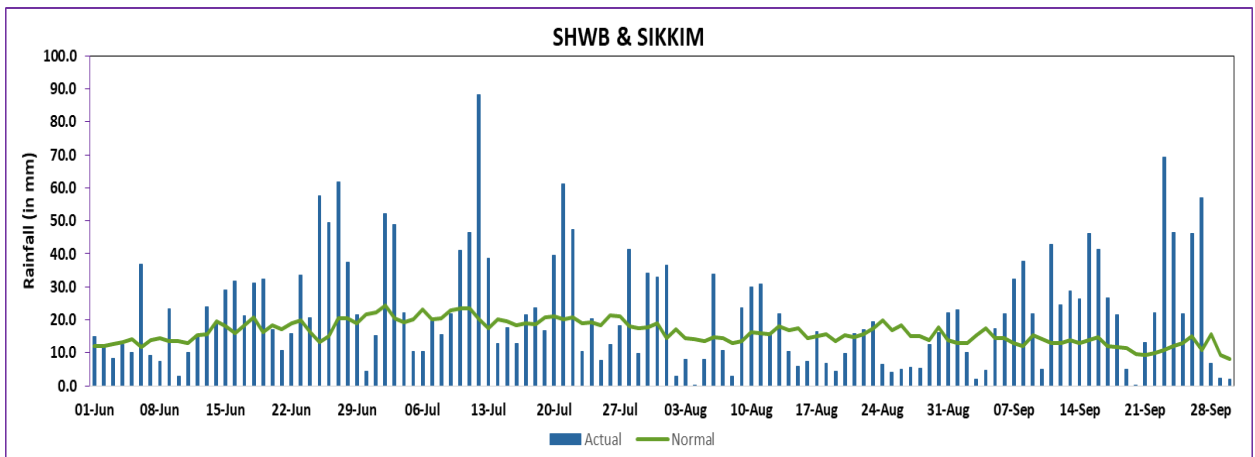
Figure 62: S H W Bengal & Sikkim - Rainfall Distribution - SW Monsoon 2020

4.   RAINFALL STATISTICS FOR METEOROLOGICAL SUBDIVISION
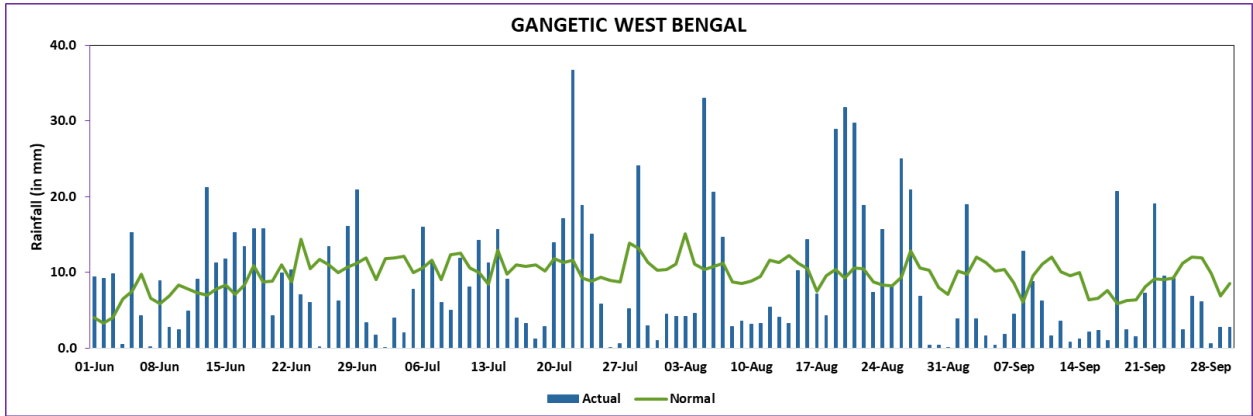
Figure 63: Gangetic West Bengal - Rainfall Distribution - SW Monsoon 2020

Figure 64: Jharkhand - Rainfall Distribution - SW Monsoon 2020
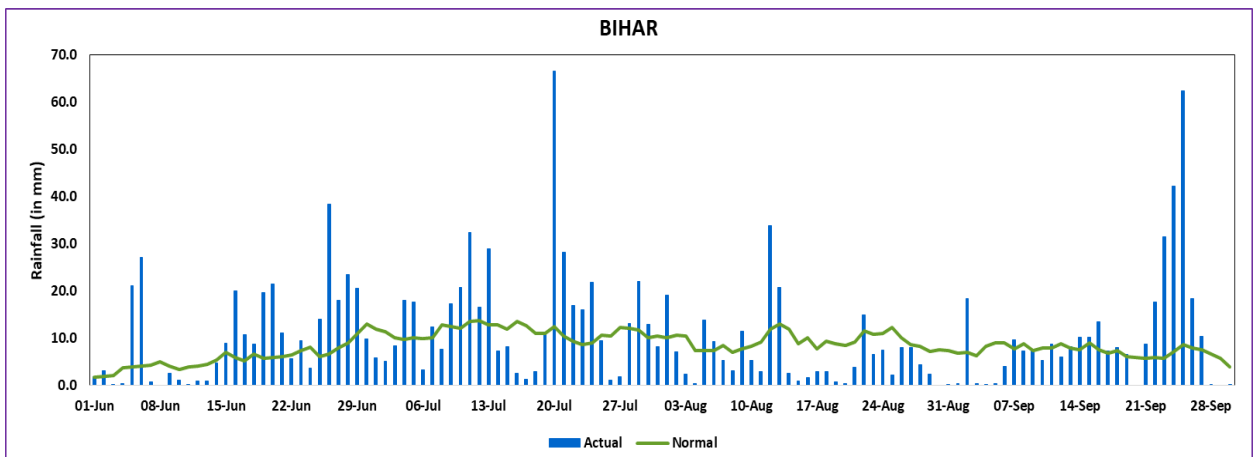
Figure 65: Bihar - Rainfall Distribution - SW Monsoon 2020

5. *STATE-WISE RAINFALL STATISTICS*

5.1   SEASONAL & ANNUAL

Statewise seasonal and annual observed rainfall, and its percentage departure from normal rainfall for the states have been given in Table 14 and Table-15 respectively. It may be observed that during 2020, annual highest area weighted rainfall of **5649.1** mm was received at Meghalaya and the lowest rainfall of 24.2 mm was received at Ladakh (UT). However, on comparing with Normals, it may be seen that Gujarat has the highest positive departure of 55% from where as Ladakh (UT) remained with highest negative departure (-77%) from their respective normals.

Table 14: State-wise Seasonal and Annual Rainfall (mm) - Year 2020

S. NO.	STATES	Winter	Pre-Monsoon	SW-Monsoon	Post-Monsoon	Annual
EAST & NORTH EAST INDIA						
1	ARUNACHAL PRADESH	98.2	599.9	1972.0	247.2	2992.9
2	ASSAM	30.5	490.0	1654.6	189.2	2372.9
3	MEGHALAYA	51.4	1291.4	3995.5	310.8	5649.1
4	NAGALAND	44.1	276.7	850.4	201.5	1372.7
5	MANIPUR	43.2	216.2	748.5	188.9	1196.9
6	MIZORAM	52.8	263.3	1112.8	236.3	1665.2
7	TRIPURA	28.1	580.7	1301.9	258.4	2169.1
8	SIKKIM	86.4	664.0	2416.3	183.4	3350.1
9	WEST BENGAL	38.7	389.8	1487.0	87.2	2012.6
10	JHARKHAND	41.3	216.5	898.3	66.6	1222.7
11	BIHAR	36.3	182.6	1272.4	30.1	1521.4
NORTH WEST INDIA						
1	UTTAR PRADESH	42.4	94.2	649.7	7.7	792.8
2	UTTARAKHAND	170.8	241.3	943.1	17.8	1373.0
3	HARYANA	29.8	118.5	376.1	8.8	533.2
4	CHANDIGARH (UT)	53.1	170.1	791.1	32.2	1046.5
5	DELHI	26.0	102.1	467.7	0.8	678.5
6	PUNJAB	53.0	124.7	387.5	20.3	585.5
7	HIMACHAL PRADESH	137.1	270.9	567.0	77.2	1052.2
8	JAMMU & KASHMIR(UT)	164.3	330.5	422.4	108.1	1016.3
9	LADAKH(UT)	0.2	5.6	12.6	4.0	24.2
10	RAJASTHAN	5.8	48.8	450.2	6.2	511.0
CENTRAL INDIA						
1	ODISHA	63.1	265.4	1140.9	166.6	1635.9
2	MADHYA PRADESH	30.5	51.4	991.7	28.5	1102.2
3	GUJARAT	0.1	2.6	1091.7	31.1	1125.4
4	DADRA & NAGAR HAVELI (UT)	0.0	0.0	2379.6	34.2	2413.8
5	DAMAN & DIU (UT)	0.0	0.0	1686.2	35.5	1721.7

STATE-WISE RAINFALL STATISTICS

6	GOA	0.0	15.4	4158.6	231.9	4406.0
7	MAHARASHTRA	8.9	33.5	1166.1	127.5	1387.4
8	CHHATISGARH	69.0	119.6	1234.3	92.6	1515.5
SOUTH PENINSULA						
1	A & N ISLAND (UT)	6.0	266.1	1712.4	858.5	2842.9
2	ANDHRA PRADESH	19.8	75.2	738.2	387.3	1220.5
3	TELANGANA	13.9	61.1	1095.8	179.5	1350.3
4	TAMILNADU	9.9	76.0	425.8	474.5	986.2
5	PUDUCHERRY (UT)	16.5	56.5	442.1	1178.9	1693.9
6	KARNATAKA	0.6	148.7	1063.9	205.9	1419.1
7	KERALA	9.6	387.4	2227.6	365.2	2989.7
8	LAKSHADWEEP (UT)	8.1	237.3	1345.4	294.0	1884.7
COUNTRY AS A WHOLE		40.4	159.3	961.4	125.1	1289.6

It may be observed (Table 15) that the Union Teritory of Ladakh remained in large defiecient category both annually and for all the four seasons. During SW Monsoon season, 29 States/UTs received normal, 8 States/UTs received Deficient/ Large Deficient rainfall.

Table 15: % Departure of State-wise Seasonal and Annual Rainfall - Year 2020

NO.	STATES	Winter	Pre-Monsoon	SW-Monsoon	Post-Monsoon	Annual
EAST & NORTH EAST INDIA						
1	ARUNACHAL PRADESH	-33%	-22%	14%	-8%	3%
2	ASSAM	-36%	-10%	11%	17%	6%
3	MEGHALAYA	24%	71%	40%	-5%	42%
4	NAGALAND	5%	-26%	-26%	25%	-20%
5	MANIPUR	1%	-40%	-47%	-17%	-41%
6	MIZORAM	68%	-54%	-33%	-11%	-34%
7	TRIPURA	-21%	-14%	-11%	16%	-9%
8	SIKKIM	-19%	9%	50%	-15%	32%
9	WEST BENGAL	24%	65%	6%	-45%	10%
10	JHARKHAND	46%	160%	-15%	-26%	-3%
11	BIHAR	81%	123%	25%	-59%	28%
NORTH WEST INDIA						
1	UTTAR PRADESH	56%	200%	-18%	-81%	-11%
2	UTTARAKHAND	68%	55%	-20%	-71%	-8%
3	HARYANA	-3%	205%	-14%	-56%	1%
4	CHANDIGARH (UT)	-37%	109%	-7%	-42%	-2%
5	DELHI	-16%	100%	-20%	-96%	-2%
6	PUNJAB	9%	126%	-17%	-23%	-2%
7	HIMACHAL PRADESH	-29%	11%	-26%	-16%	-19%

STATE-WISE RAINFALL STATISTICS

8	JAMMU & KASHMIR(UT)	-27%	-1%	-25%	-19%	-19%
	LADAKH(UT)	-99%	-80%	-67%	-72%	-77%
9	RAJASTHAN	-37%	133%	8%	-66%	10%
CENTRAL INDIA						
1	ODISHA	116%	107%	-1%	27%	13%
2	MADHYA PRADESH	43%	194%	5%	-47%	7%
3	GUJARAT	-90%	-49%	58%	9%	55%
4	DADRA & NAGAR HAVELI (UT)	-100%	-100%	10%	-38%	8%
5	DAMAN & DIU (UT)	-100%	-100%	5%	-29%	3%
6	GOA	-100%	-83%	40%	14%	35%
7	MAHARASHTRA	9%	14%	16%	29%	22%
8	CHHATISGARH	224%	192%	8%	21%	18%
SOUTH PENINSULA						
1	A & N ISLAND (UT)	-92%	-43%	4%	27%	-1%
2	ANDHRA PRADESH	20%	-18%	44%	33%	34%
3	TELANGANA	-4%	2%	46%	46%	42%
4	TAMILNADU	-65%	-39%	27%	6%	5%
5	PUDUCHERRY (UT)	-70%	-44%	4%	32%	15%
6	KARNATAKA	-89%	27%	27%	13%	24%
7	KERALA	-57%	7%	9%	-26%	2%
8	LAKSHADWEEP (UT)	-68%	17%	33%	-9%	21%
COUNTRY AS A WHOLE		-1%	21%	9%	1%	10%

5.2   CATEGORY-WISE SEASONAL AND ANNUAL DISTRIBUTION:

Statewise rainfall statistics for the year 2020 shows most of the states in Large Excess/Excess/Normal category both annually and for the Winter, Pre Monsoon, Monsoon and Post Monsoon season.

States of Nagaland, Manipur and Mizoram were in deficient category for annual rainfall. The statistics and chart depicting the number of states in different rainfall categories during the seasons and for the year have been given at Table 16 and Figure 66 respectively.

Table 16: Category-wise Number of States - Seasonally and Annually - Year 2020

CATEGORY	WINTER	PRE-MONSOON	SW MONSOON	POST-MONSOON	ANNUAL
L. EXCESS	5	13	0	0	0
EXCESS	6	2	10	8	10
NORMAL	8	10	19	14	23
DEFICIENT	8	8	7	10	3
L. DEFICIENT	7	2	1	5	1
NO RAIN	3	2	0	0	0
NO DATA	0	0	0	0	0
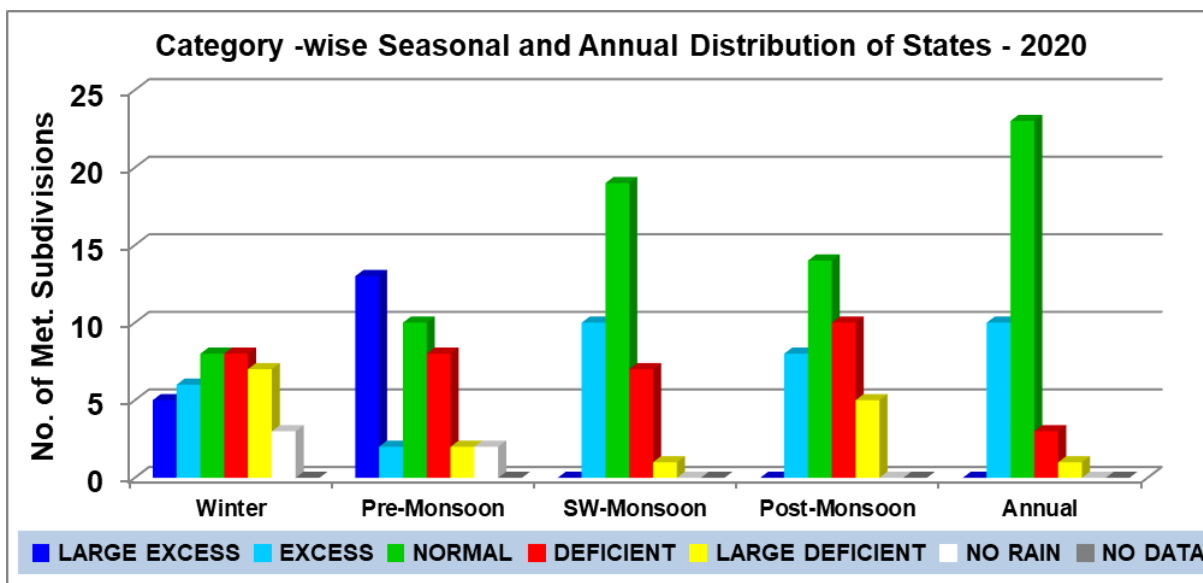
Figure 66: Category-wise distribution of States – Seasonally and Annually

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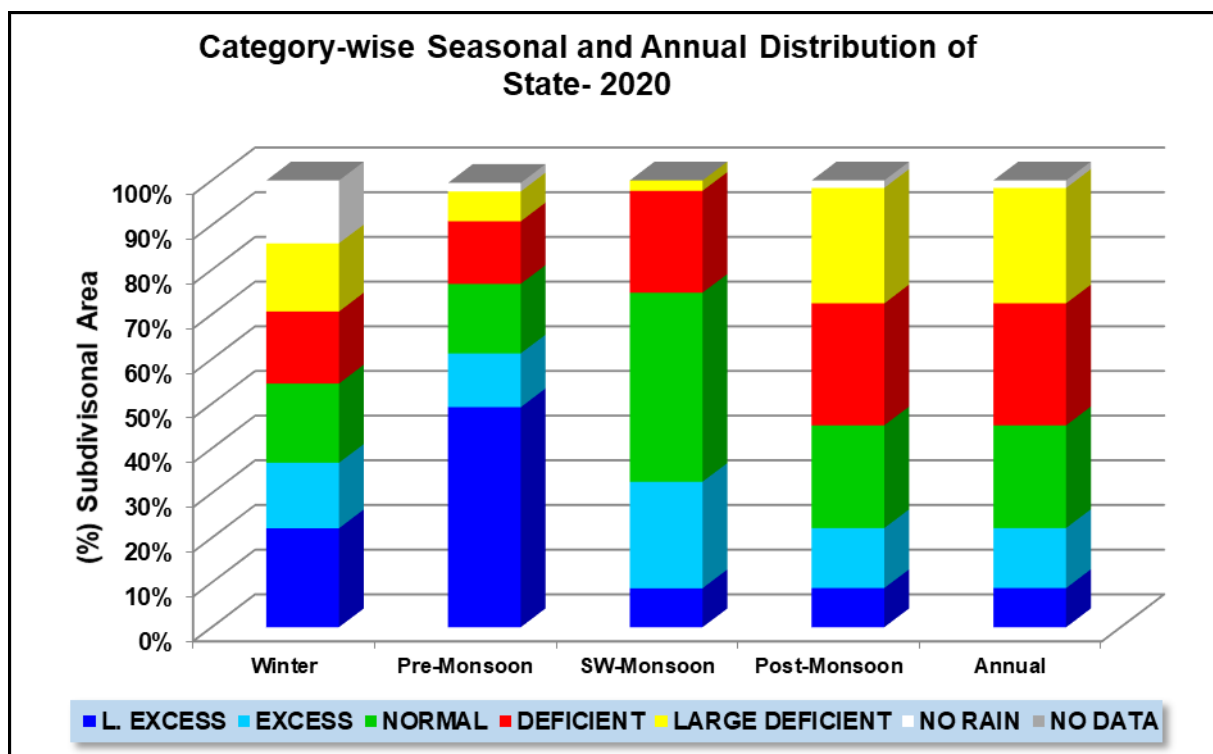
Figure 67: % Area of the country under different categories – Seasonally & Annually

5.3   AREA (%) UNDER RAINFALL DEFICIENCY– SW MONSOON 2020

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 17 and has been depicted in graphical form in Figure 69 as well. During SW Monsoon season 2020, only 1% area of States of the country experienced severe rainfall deficiency and 99% of the statewise area did not reports No deficiency.

Table 17: Area (%) of States of the country under Rainfall Deficiency – SW Monsoon 2020

Deficiency in Rainfall	Deficiency	% Areaof States of Country
25 % or less	No	99%
26 % or more but < 50 %	Moderate	1%
50 % or more	Severe	0%
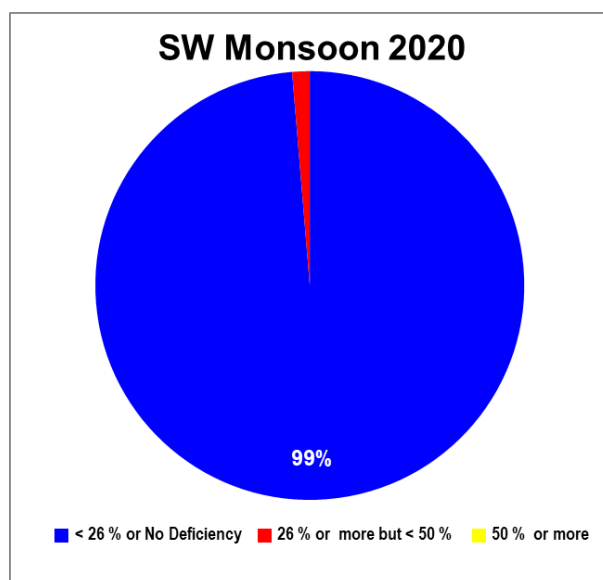
Figure 68: Area (%) of States under Rainfall Deficiency – SW Monsoon 2020

5.4   MONTHLY RAINFALL STATISTICS

Statewise monthly observed rainfall (mm) for the states have been given in Table 18. During SW Monsoon season, monthly highest rainfall of **1470.9** mm occured over the state of Dadra & Nagar Haveli (UT) in the month of August and minimum rainfall occurred 0.2 mm over the Ladakh (UT) in the month of September.

Statewise percentage departure of monthly rainfall from their monthly normal rainfall have been given in Table 19. It is observed that months of February was the worst performing month when 29 states/UTs remained in Deficient/ Large Deficient/ No Rain category of rainfall. Highest number of states in Large excess/excess/Normal category were observed in the months of June, July and August.

STATE-WISE RAINFALL STATISTICS

While most states of Northwest India observed Normal to above Normal Rainfall for the months from March-August, States of Central & South Peninsula observed deficient to Large deficient rainfall during the Winter months.

Table 18: State-wise Monthly Rainfall (mm) - Year 2020

NO.	STATES	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
EAST & NORTH EAST INDIA													
1	ARUNACHAL PRADESH	61.8	36.3	49.7	183.7	361.6	522.7	625.1	318.1	506.1	172.4	58.0	16.8
2	ASSAM	15.7	14.8	21.9	116.4	352.2	526.2	505.0	249.5	373.8	167.4	21.0	0.9
3	MEGHALAYA	24.0	27.4	55.9	351.5	884.0	1047.5	1363.0	425.0	1160.0	291.3	18.2	1.3
4	NAGALAND	27.7	16.4	18.8	119.8	138.0	251.3	232.6	202.5	164.0	156.1	44.3	1.1
5	MANIPUR	33.5	9.7	13.4	93.7	109.1	216.0	214.9	157.2	160.4	148.7	40.2	0.0
6	MIZORAM	42.9	9.9	1.0	95.4	166.9	198.3	390.0	336.4	188.2	199.0	37.4	0.0
7	TRIPURA	26.7	1.4	5.3	232.2	343.2	468.9	351.5	182.2	299.3	239.1	19.3	0.0
8	SIKKIM	60.6	25.8	122.1	250.7	291.2	763.8	749.8	459.7	442.9	154.4	14.0	15.0
9	WEST BENGAL	28.1	10.6	48.9	88.5	254.3	371.1	433.1	355.7	327.2	82.9	4.0	0.3
10	JHARKHAND	26.7	14.6	88.7	56.2	71.7	205.7	244.4	301.8	146.4	59.6	6.8	0.2
11	BIHAR	10.8	25.6	45.9	55.0	81.7	305.8	443.5	202.6	320.5	29.1	0.8	0.1
NORTH WEST INDIA													
1	UTTAR PRADESH	30.4	12.0	42.4	14.2	37.6	140.8	230.4	194.1	84.4	0.7	5.9	1.1
2	UTTARAKHAND	131.9	38.9	117.8	51.8	71.8	145.5	367.3	370.1	60.2	0.1	9.6	8.0
3	HARYANA	23.0	6.8	69.1	7.7	41.7	47.7	166.1	137.4	24.8	0.0	6.6	2.1
4	CHANDIGARH (UT)	47.7	5.5	72.5	43.1	54.5	131.1	277.1	373.2	9.8	0.0	22.7	9.5
5	DELHI	23.8	2.2	69.4	14.6	15.5	30.5	166.2	233.1	37.9	0.0	0.6	0.2
6	PUNJAB	45.7	7.3	80.0	16.9	27.9	46.1	185.2	134.1	22.1	0.0	11.9	8.4
7	HIMACHAL PRADESH	124.5	12.6	159.7	53.1	58.0	68.1	203.5	265.4	29.9	0.5	42.4	34.3
8	JAMMU & KASHMIR (UT)	143.3	21.0	201.2	66.4	63.6	48.3	96.0	204.3	30.8	0.1	49.7	58.3
9	LADAKH(UT)	0.0	1.0	2.2	3.5	1.9	4.8	2.9	4.8	0.2	0.0	1.5	2.5
10	RAJASTHAN	5.8	0.1	22.3	5.6	20.9	53.0	99.9	223.8	73.5	3.5	2.3	0.3
CENTRAL INDIA													
1	ODISHA	16.3	46.8	62.1	111.3	92.0	251.1	224.8	511.2	153.8	162.1	4.6	0.0
2	MADHYA PRADESH	21.2	9.3	26.2	8.3	16.9	201.0	181.6	479.1	130.0	16.8	4.5	7.2
3	GUJARAT	0.1	0.0	2.0	0.1	0.4	114.6	242.4	625.6	109.1	24.0	0.0	7.1
4	DADRA & NAGAR HAVELI (UT)	0.0	0.0	0.0	0.0	0.0	226.0	464.3	1470.9	218.4	34.2	0.0	0.0
5	DAMAN & DIU (UT)	0.0	0.0	0.0	0.0	0.0	128.2	511.1	871.3	175.6	22.4	0.0	13.1
6	GOA	0.0	0.0	0.0	9.8	5.6	1014.9	1230.2	1169.2	744.4	210.0	0.4	21.6
7	MAHARASHTRA	6.9	2.0	14.8	7.8	10.9	252.7	313.0	396.6	203.8	119.7	2.2	3.9
8	CHHATISGARH	29.6	39.4	50.7	29.1	39.9	277.9	269.7	519.2	167.4	87.5	4.4	0.8
SOUTH PENINSULA													
1	A & N ISLAND (UT)	3.7	2.3	0.1	35.9	230.1	498.3	362.8	370.0	481.3	480.9	190.3	187.3
2	ANDHRA PRADESH	12.6	7.2	14.4	39.2	21.7	120.0	228.1	148.7	241.4	182.4	170.3	34.5
3	TELANGANA	6.2	7.7	15.9	20.9	24.3	169.9	272.6	403.0	250.2	168.5	11.0	0.0

STATE-WISE RAINFALL STATISTICS

4	TAMILNADU	8.9	1.0	3.9	33.9	38.2	59.7	130.2	95.0	140.9	100.9	202.5	171.2
5	PUDUCHERRY (UT)	9.7	6.8	0.0	24.7	31.8	73.4	134.5	86.5	147.6	173.3	421.4	584.2
6	KARNATAKA	0.2	0.3	9.9	47.3	91.6	205.3	280.2	297.5	280.9	175.5	21.8	8.6
7	KERALA	5.9	3.6	44.2	110.9	232.3	535.5	514.9	575.3	601.9	222.8	99.3	43.1
8	LAKSHADWEEP (UT)	7.9	0.1	13.8	8.8	214.7	265.4	476.2	269.6	334.3	70.4	71.5	152.1

Table19: % Departure of State-wise monthly rainfall - Year 2020

STATES	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
EAST & NORTH EAST INDIA												
ARUNACHAL PRADESH	31%	-63%	-73%	-39%	26%	7%	19%	-12%	44%	-7%	28%	-54%
ASSAM	2%	-55%	-71%	-36%	23%	26%	13%	-29%	37%	31%	-8%	-92%
MEGHALAYA	53%	7%	-34%	46%	106%	32%	40%	-31%	144%	8%	-62%	-89%
NAGALAND	74%	-37%	-66%	-7%	-27%	-11%	-31%	-33%	-26%	32%	39%	-90%
MANIPUR	164%	-68%	-76%	-24%	-40%	-49%	-43%	-54%	-38%	-9%	-21%	-100%
MIZORAM	297%	-52%	-99%	-37%	-52%	-54%	-10%	-20%	-49%	-2%	-24%	-100%
TRIPURA	238%	-95%	-93%	10%	-12%	2%	-13%	-47%	18%	40%	-51%	-100%
SIKKIM	75%	-64%	-9%	30%	3%	80%	64%	13%	40%	-7%	-54%	-22%
WEST BENGAL	138%	-45%	62%	40%	79%	17%	3%	-1%	6%	-37%	-80%	-96%
JHARKHAND	119%	-9%	487%	187%	47%	3%	-24%	1%	-38%	-20%	-24%	-96%
BIHAR	8%	153%	467%	229%	44%	82%	27%	-29%	49%	-53%	-86%	-98%
NORTH WEST INDIA												
UTTAR PRADESH	149%	-19%	451%	144%	110%	48%	-13%	-26%	-50%	-98%	48%	-84%
UTTARAKHAND	217%	-35%	115%	49%	9%	-18%	-10%	-7%	-69%	-99%	34%	-55%
HARYANA	62%	-59%	476%	-3%	120%	1%	7%	-13%	-68%	-100%	75%	-67%
CHANDIGARH (UT)	12%	-87%	111%	201%	68%	1%	-2%	30%	-93%	-100%	129%	-60%
DELHI	70%	-87%	369%	88%	-46%	-51%	-15%	10%	-67%	-100%	-84%	-97%
PUNJAB	118%	-74%	237%	25%	56%	-9%	5%	-16%	-73%	-100%	129%	-31%
HIMACHAL PRADESH	39%	-88%	44%	-19%	-13%	-32%	-25%	1%	-77%	-98%	109%	-22%
JAMMU & KASHMIR(UT)	54%	-84%	32%	-36%	-20%	-35%	-53%	10%	-70%	-99%	49%	-9%
LADAKH(UT)	-100%	-88%	-83%	-57%	-72%	-31%	-77%	-46%	-98%	-100%	-50%	-68%
RAJASTHAN	60%	-99%	444%	31%	66%	6%	-35%	52%	15%	-65%	-54%	-90%
CENTRAL INDIA												
ODISHA	34%	174%	164%	228%	30%	15%	-35%	40%	-32%	62%	-81%	-99%
MADHYA PRADESH	99%	-13%	264%	153%	141%	66%	-42%	45%	-27%	-47%	-64%	-24%
GUJARAT	-82%	-100%	105%	-76%	-88%	1%	-7%	198%	0%	44%	-100%	405%
DADRA & NAGAR HAVELI (UT)	-100%	-100%	-100%	-100%	-100%	-35%	-44%	133%	-38%	-15%	-100%	-100%
DAMAN & DIU (UT)	-100%	-100%	-100%	-100%	-100%	-54%	-19%	93%	-29%	-34%	-100%	13k%
GOA	-100%	-100%	-100%	63%	-93%	13%	15%	67%	143%	34%	-99%	98%
MAHARASHTRA	44%	-42%	160%	28%	-38%	22%	-5%	39%	13%	68%	-89%	-48%
CHHATISGARH	167%	286%	378%	134%	121%	44%	-28%	43%	-20%	47%	-57%	-89%

STATE-WISE RAINFALL STATISTICS

SOUTH PENINSULA

A & N ISLAND (UT)	-93%	-90%	-99%	-52%	-37%	20%	-10%	-10%	12%	70%	-20%	21%
ANDHRA PRADESH	74%	-22%	22%	88%	-63%	32%	74%	6%	58%	10%	74%	28%
TELANGANA	-20%	15%	30%	19%	-19%	30%	17%	79%	53%	82%	-55%	-99%
TAMILNADU	-42%	-92%	-82%	-14%	-41%	15%	78%	2%	19%	-43%	13%	86%
PUDUCHERRY (UT)	-65%	-75%	-100%	27%	-46%	1%	45%	-30%	8%	-34%	5%	152%
KARNATAKA	-91%	-87%	6%	44%	23%	3%	6%	38%	74%	34%	-47%	-8%
KERALA	-29%	-74%	35%	5%	4%	-17%	-28%	35%	132%	-27%	-35%	24%
LAKSHADWEEP (UT)	-48%	-99%	29%	-75%	36%	-20%	62%	21%	102%	-51%	-43%	181%
COUNTRY AS A WHOLE	64%	-48%	47%	9%	16%	17%	-10%	27%	5%	3%	-4%	-2%

5.5   MONTHLY CATEGORY-WISE DISTRIBUTION:

The statistics and chart depicting the monthly distribution of number of states in different categories during the year have been given at Table 20 and Figure 69 respectively.

More states remained in Deficient/Large-Deficient /No Rain rainfall category during the months of Feburary, October, November and December. However, during the month of January and for the period March to September most of the states experienced monthly averaged rainfall in Large Excess/ Excess /Normal category.

Table 20: Category-wise Number of States - Monthly - Year 2020

CATEGORY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
L. EXCESS	16	3	15	10	8	3	4	5	5	4	5	6
EXCESS	6	0	6	9	8	8	3	9	6	7	5	3
NORMAL	3	5	2	7	6	17	18	13	8	7	3	2
DEFICIENT	4	8	1	7	9	9	11	10	10	9	13	7
L. DEFICIENT	4	17	9	2	4	0	1	0	8	5	8	15
NO RAIN	4	4	4	2	2	0	0	0	0	5	3	4
NO DATA	0	0	0	0	0	0	0	0	0	0	0	0

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

5.6   DAILY RAINFALL DISTRIBUTION – SW MONSOON 2020

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

REGION: NORTH WEST INDIA
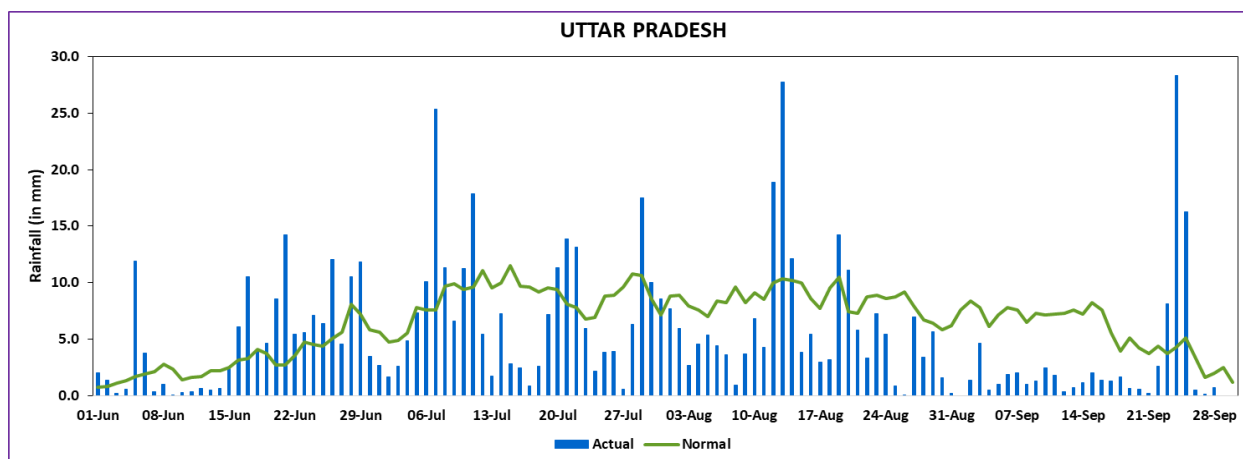
Figure 70: Uttar Pradesh - Rainfall Distribution - SW Monsoon 2020
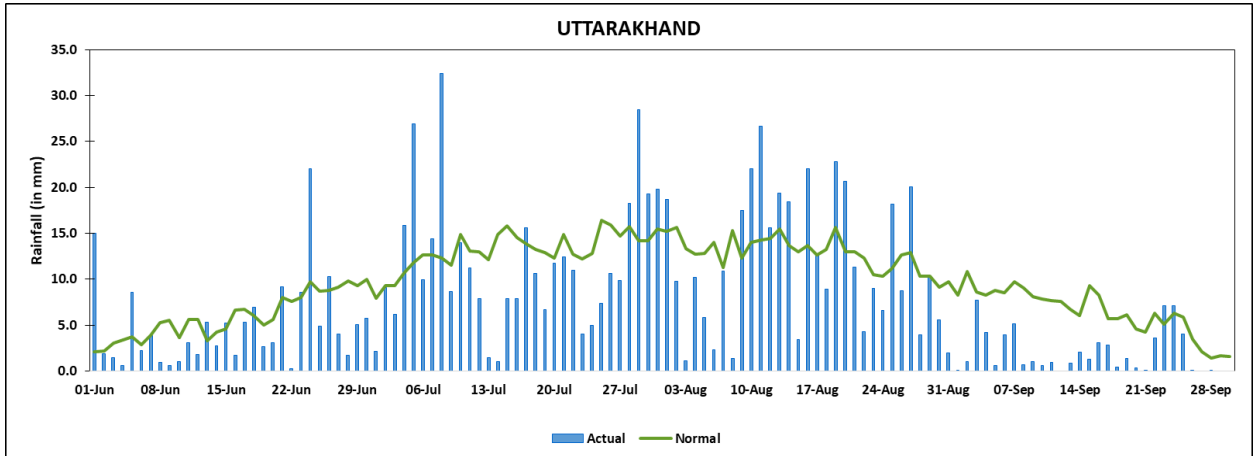
Figure 71: Uttarakhand - Rainfall Distribution - SW Monsoon 2020
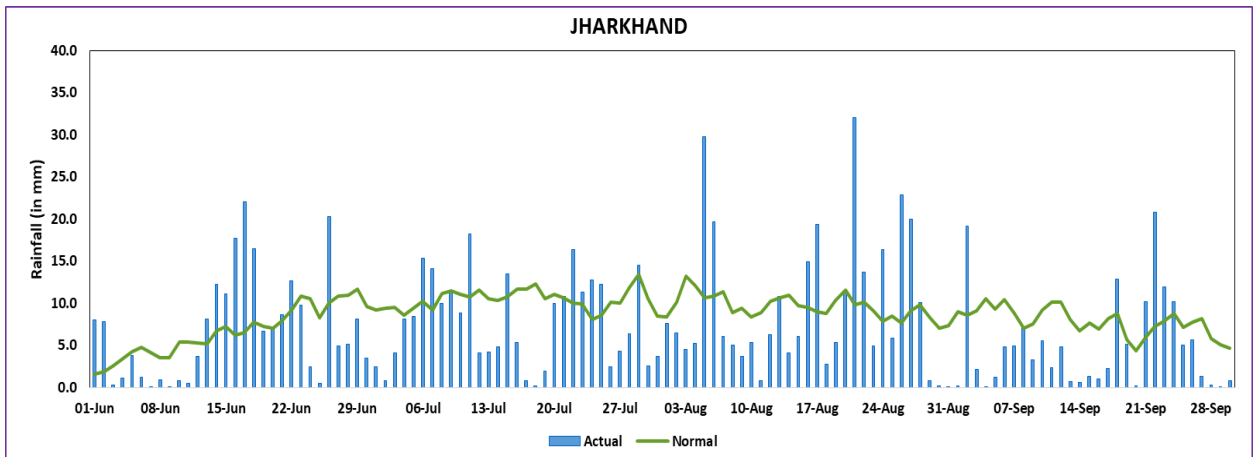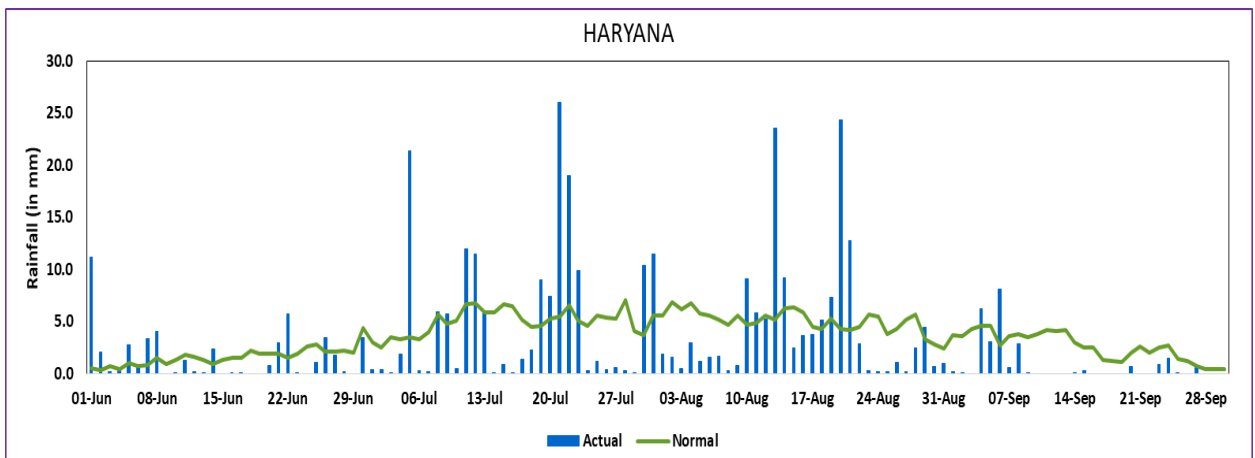

Figure 72: Haryana - Rainfall Distribution - SW Monsoon 2020
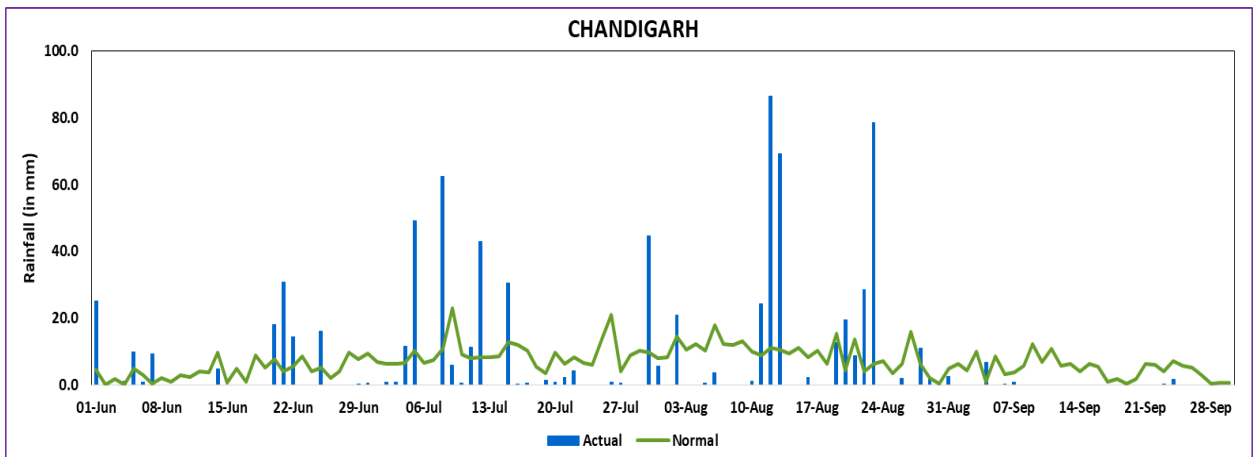
Figure 73: Chandigarh - Rainfall Distribution - SW Monsoon 2020

STATE-WISE RAINFALL STATISTICS
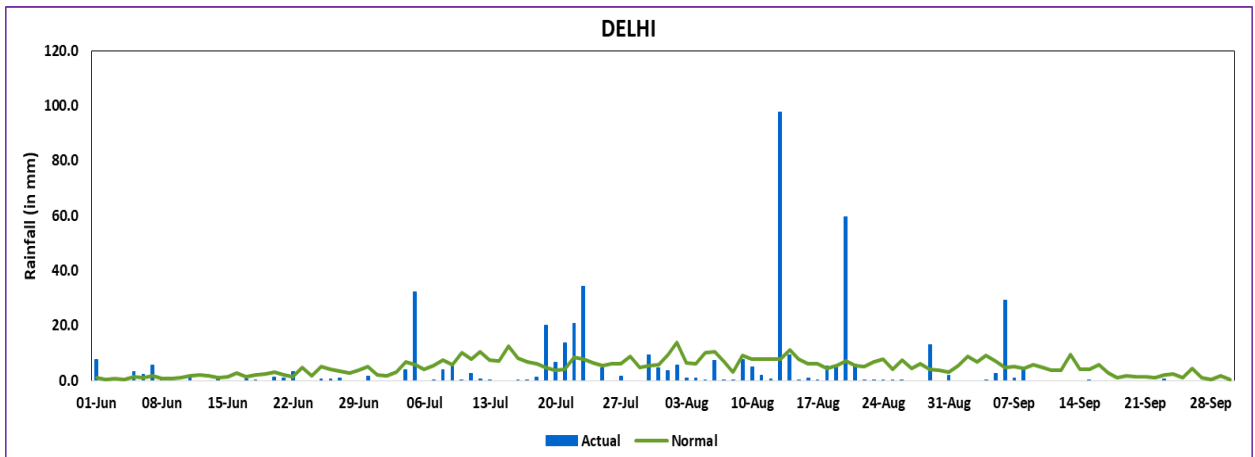
Figure 74: Delhi - Rainfall Distribution - SW Monsoon 2020
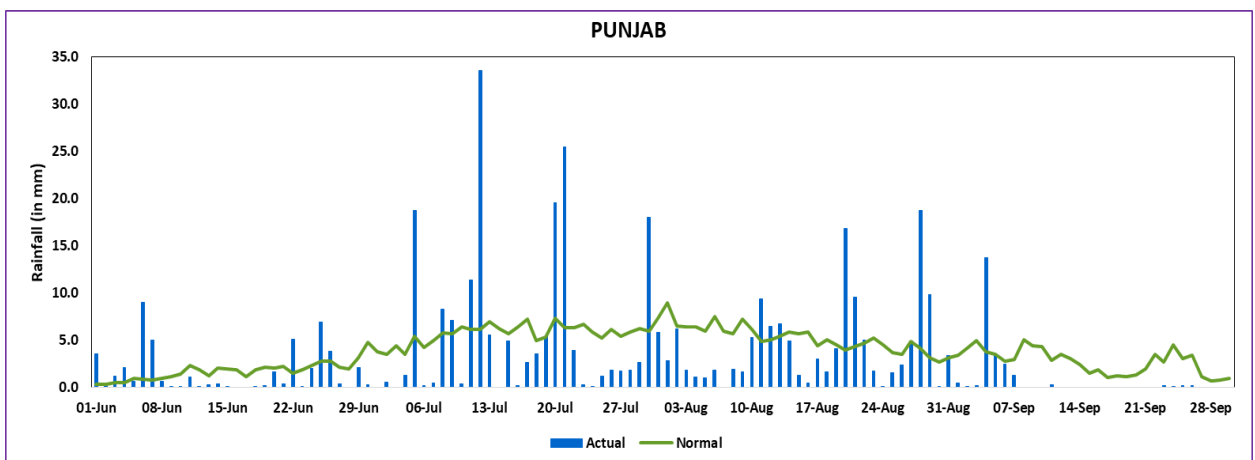
Figure 75: Punjab - Rainfall Distribution - SW Monsoon 2020
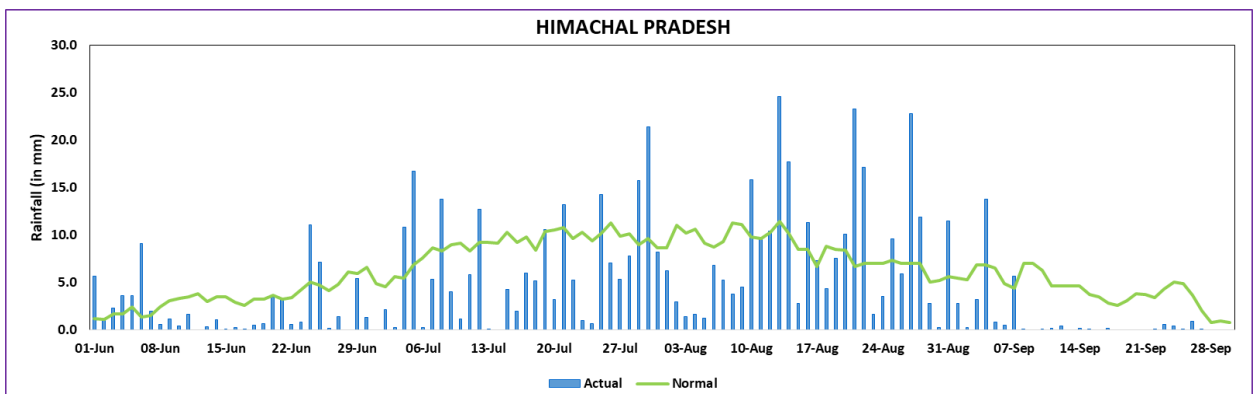
Figure 76: Himachal Pradesh - Rainfall Distribution - SW Monsoon 2020
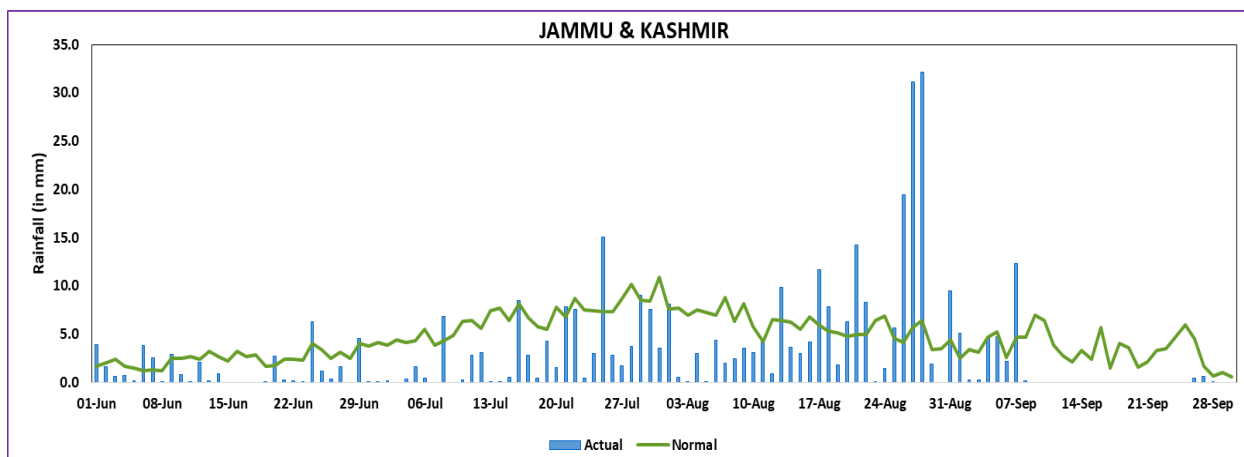
Figure 77: Jammu & Kashmir - Rainfall Distribution - SW Monsoon 2020
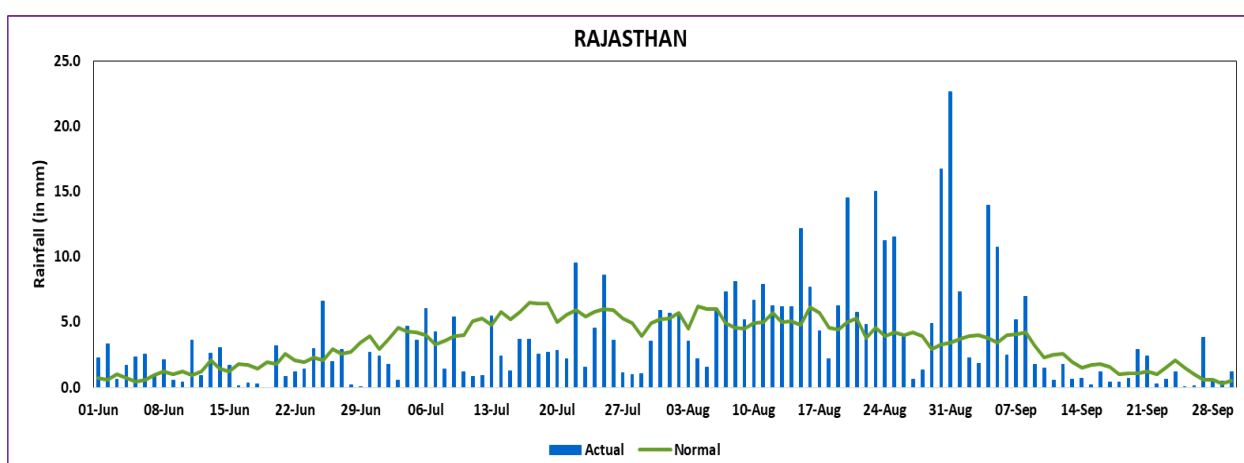
Figure 78: Rajasthan - Rainfall Distribution - SW Monsoon 2020

REGION: CENTRAL INDIA
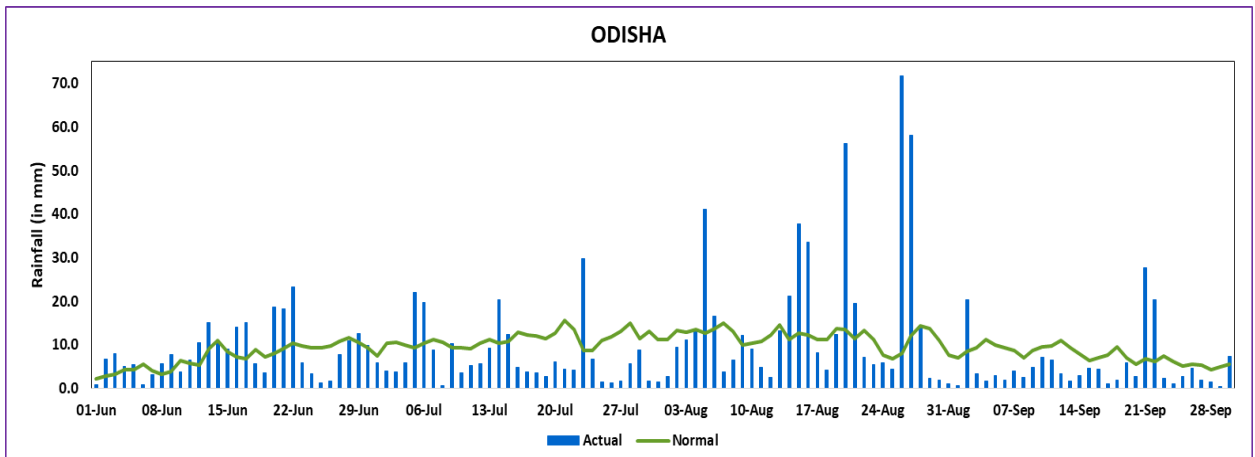
Figure 79: Odisha - Rainfall Distribution - SW Monsoon 2020
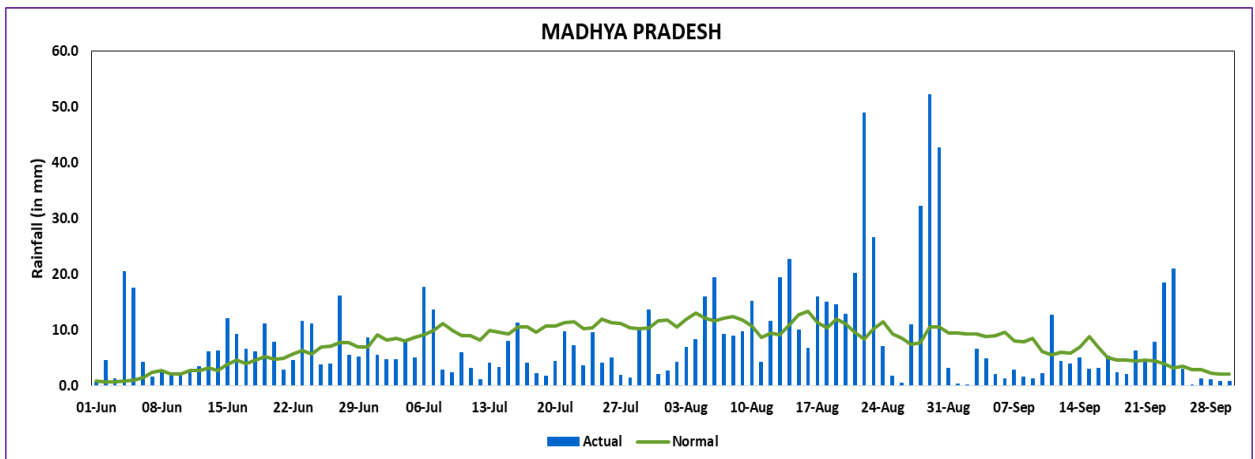
Figure 80: Madhya Pradesh - Rainfall Distribution - SW Monsoon 2020
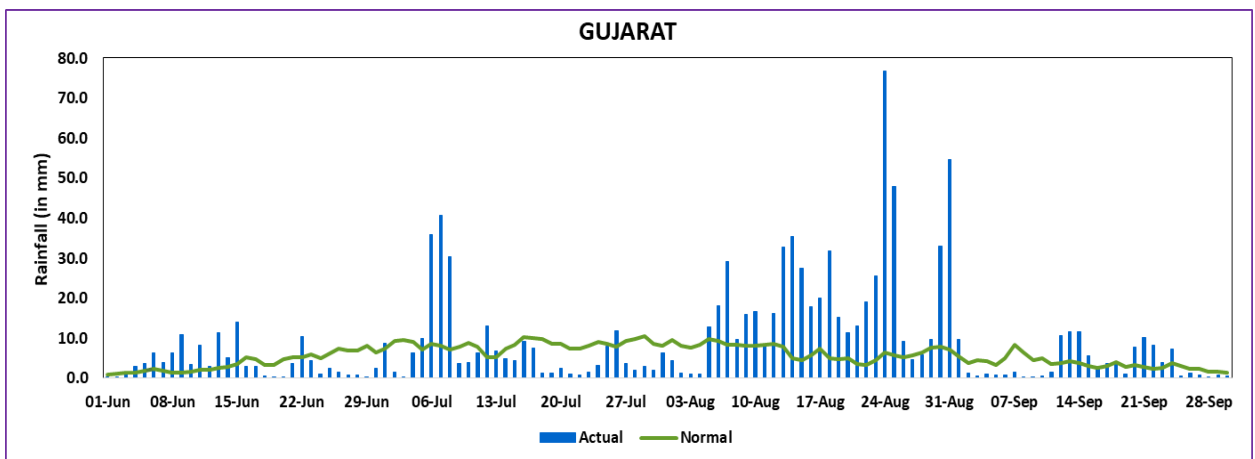
Figure 81: Gujarat - Rainfall Distribution - SW Monsoon 2020

STATE-WISE RAINFALL STATISTICS
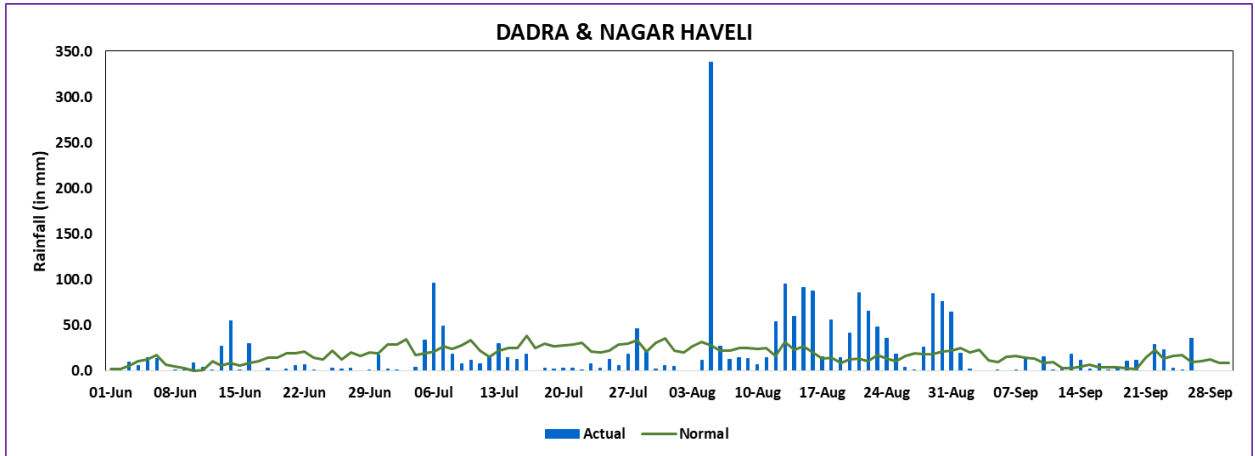
Figure 82: Dadra & Nagar Haveli - Rainfall Distribution - SW Monsoon 2020
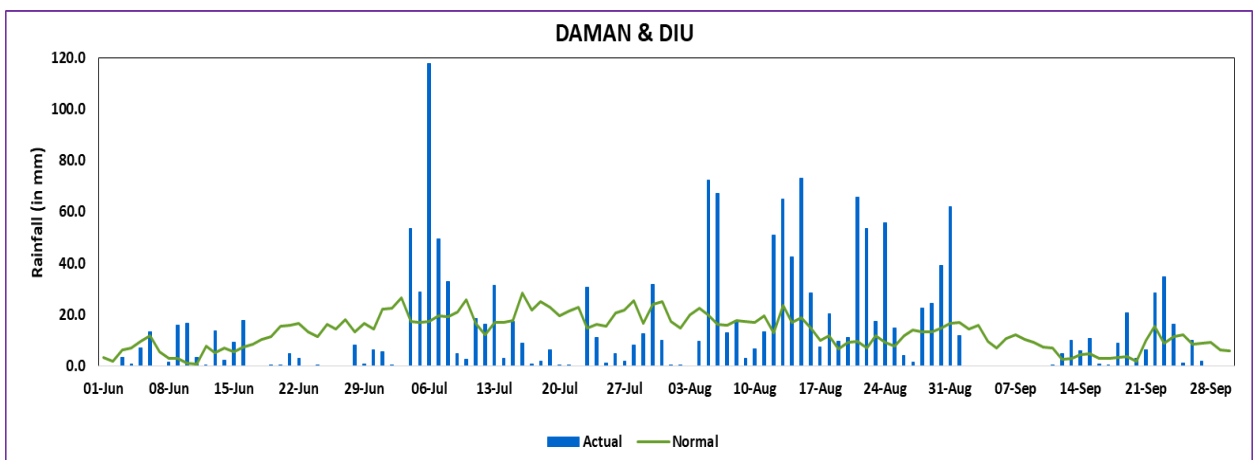
Figure 83: Daman & Diu - Rainfall Distribution - SW Monsoon 2020
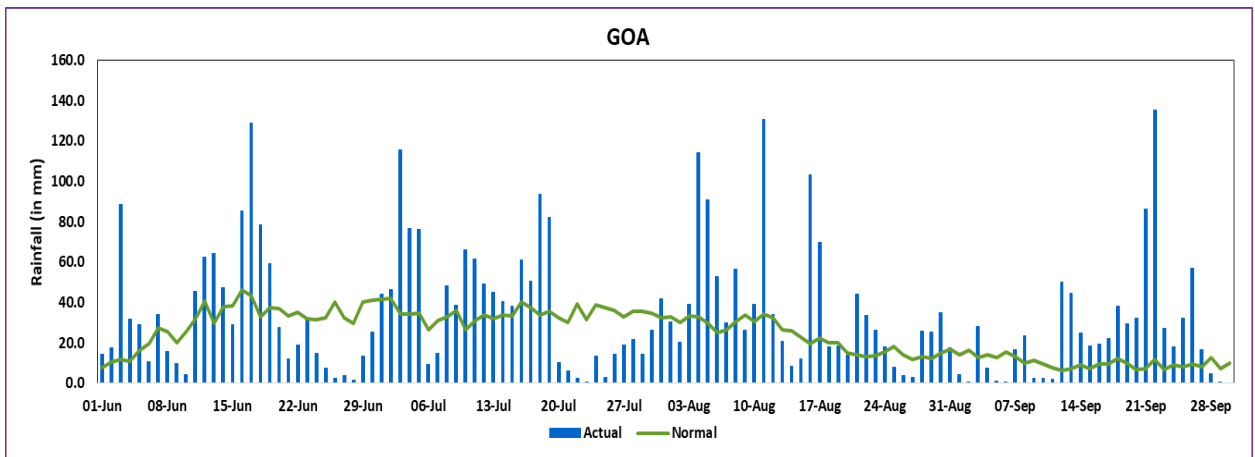
Figure 84: Goa - Rainfall Distribution - SW Monsoon 2020

STATE-WISE RAINFALL STATISTICS
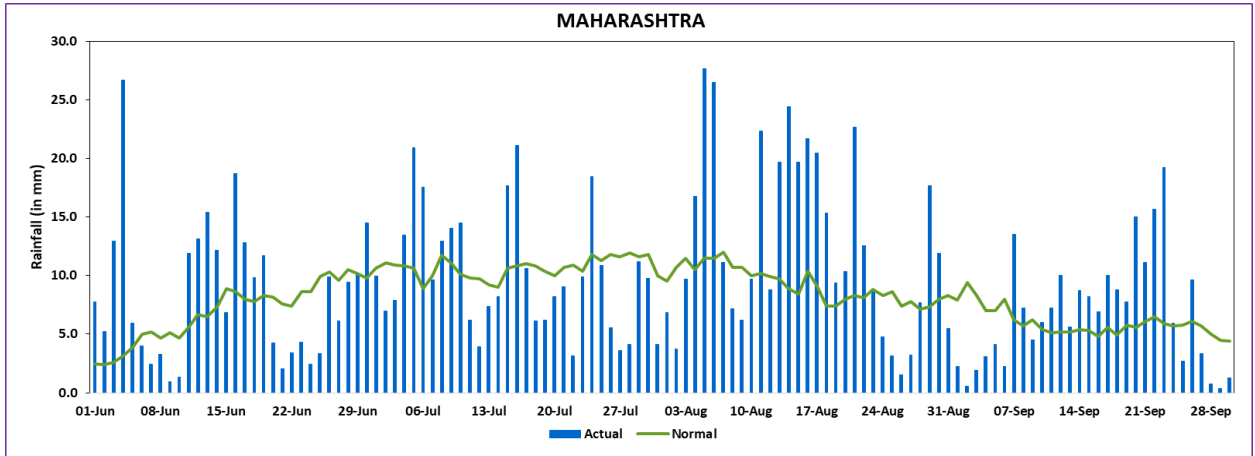
Figure 85: Maharashtra - Rainfall Distribution - SW Monsoon 2020
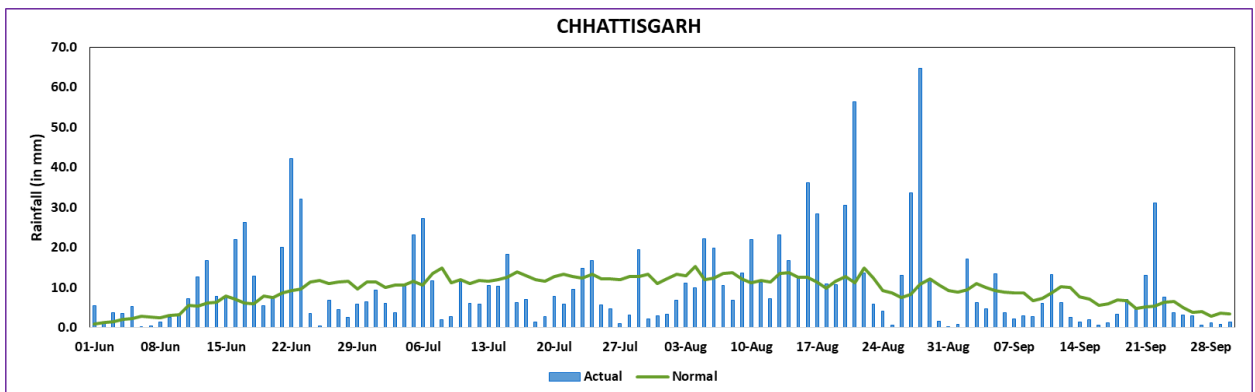
Figure 86: Chhattisgarh - Rainfall Distribution - SW Monsoon 2020

REGION: SOUTH PENINSULA
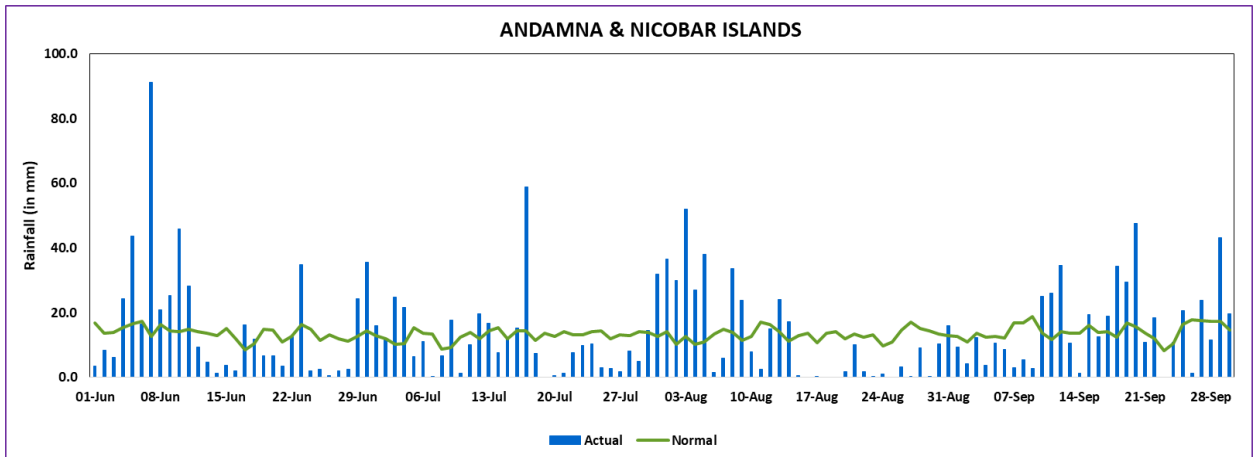
Figure 87: A & N Island - Rainfall Distribution - SW Monsoon 2020
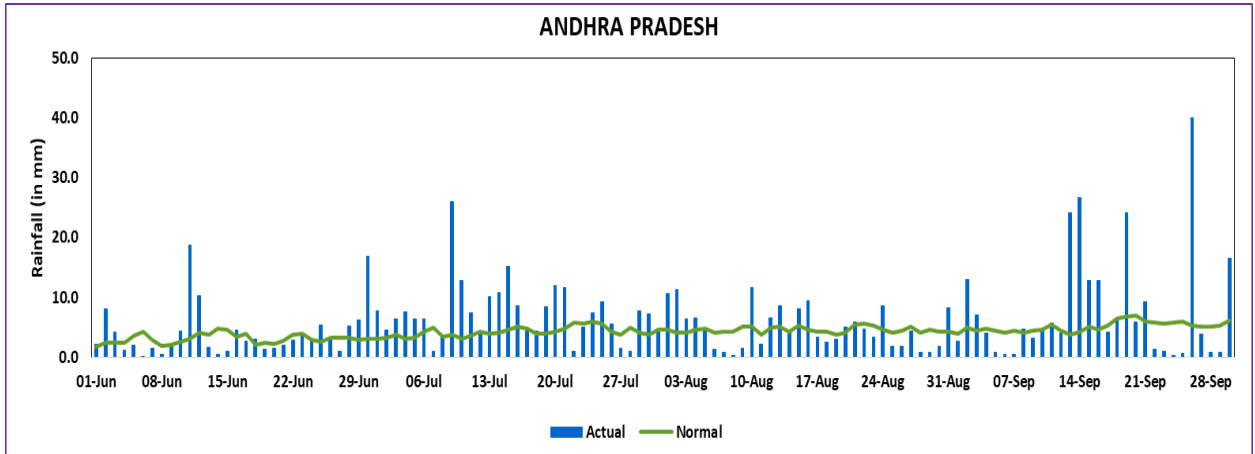
Figure 88: Andhra Pradesh - Rainfall Distribution - SW Monsoon 2020
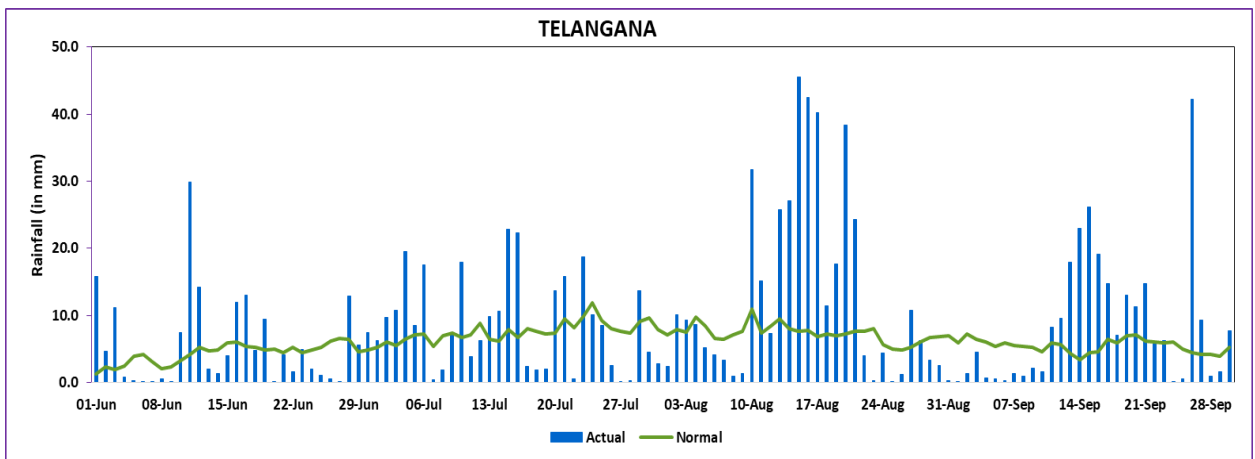
Figure 89: Telangana - Rainfall Distribution - SW Monsoon 2020
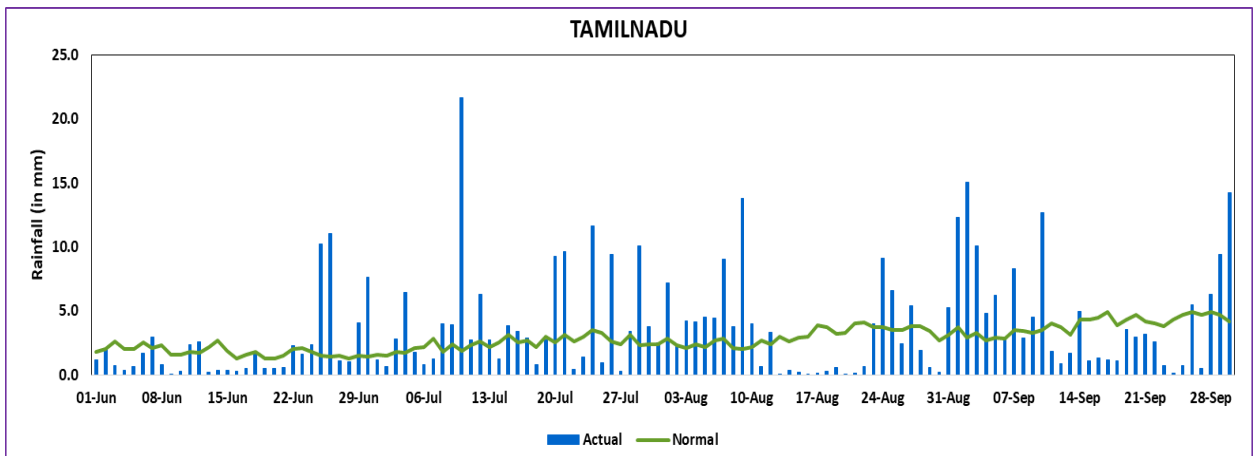
Figure 90: Tamilnadu - Rainfall Distribution - SW Monsoon 2020
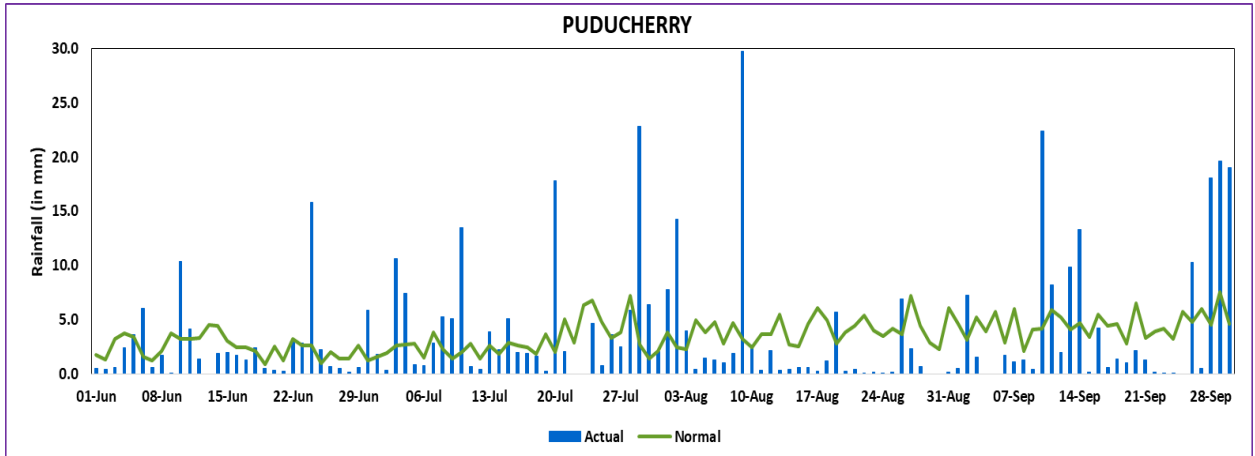
Figure 91: Puducherry - Rainfall Distribution - SW Monsoon 2020
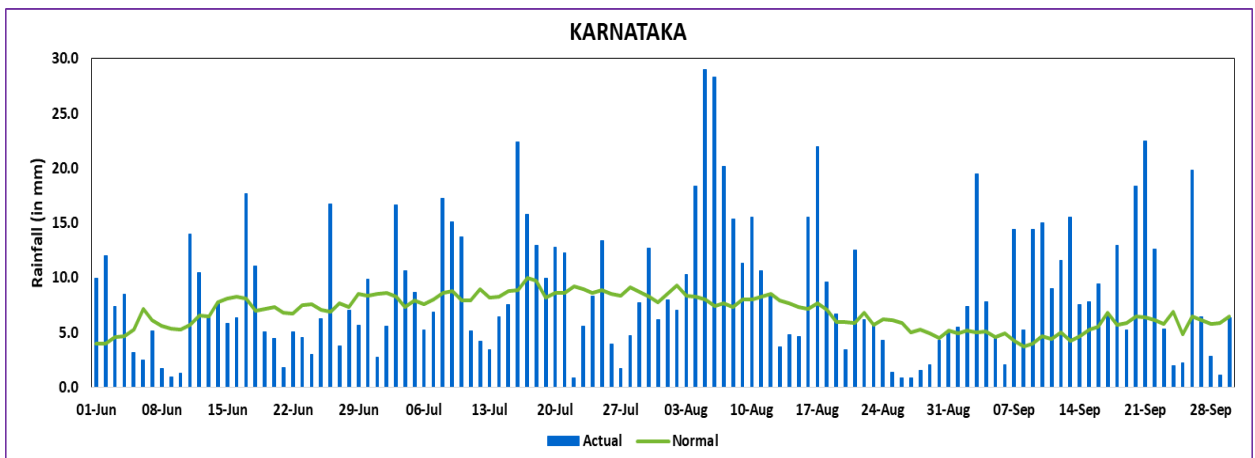
Figure 92: Karnatka - Rainfall Distribution - SW Monsoon 2020
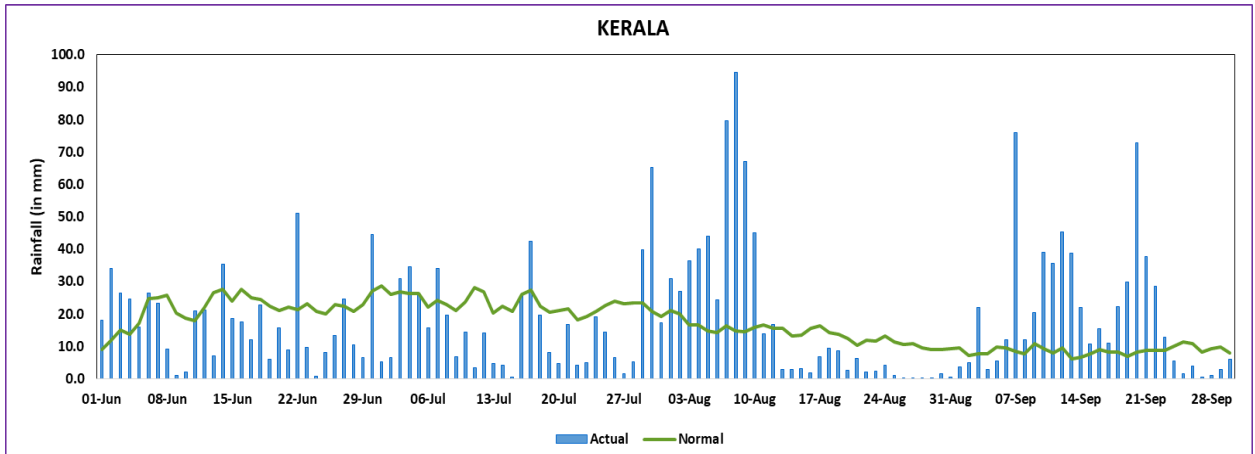
Figure 93: Kerala - Rainfall Distribution - SW Monsoon 2020

STATE-WISE RAINFALL STATISTICS
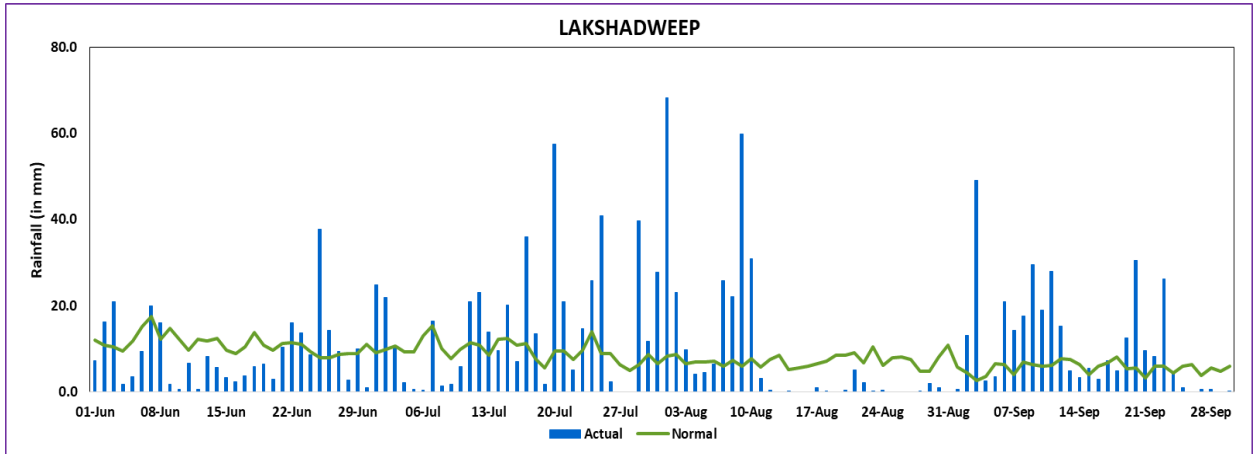
Figure 94: Lakshadweep - Rainfall Distribution - SW Monsoon 2020

REGION: EAST & NORTH EAST INDIA
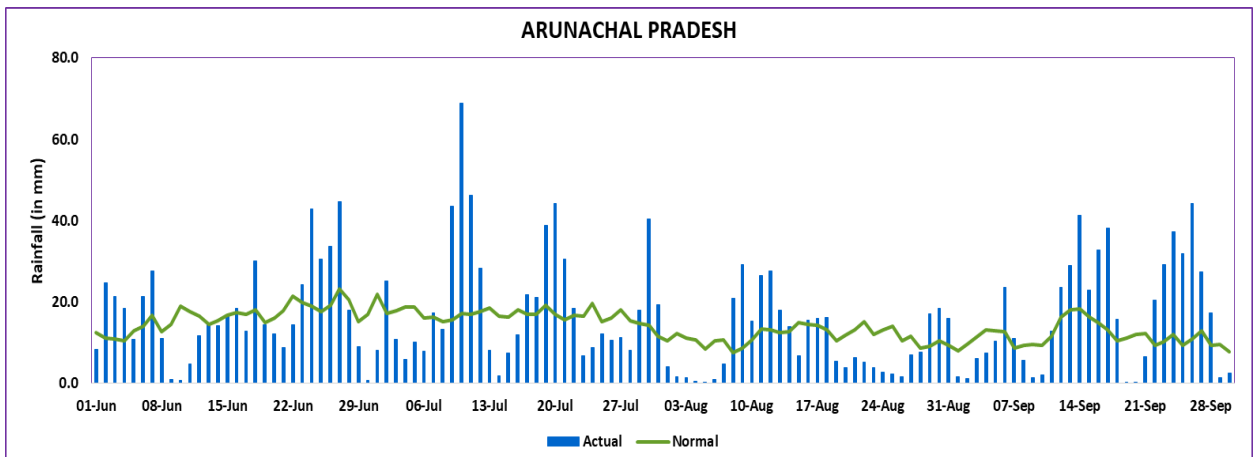
Figure 95: Arunachal Pradesh - Rainfall Distribution - SW Monsoon 2020
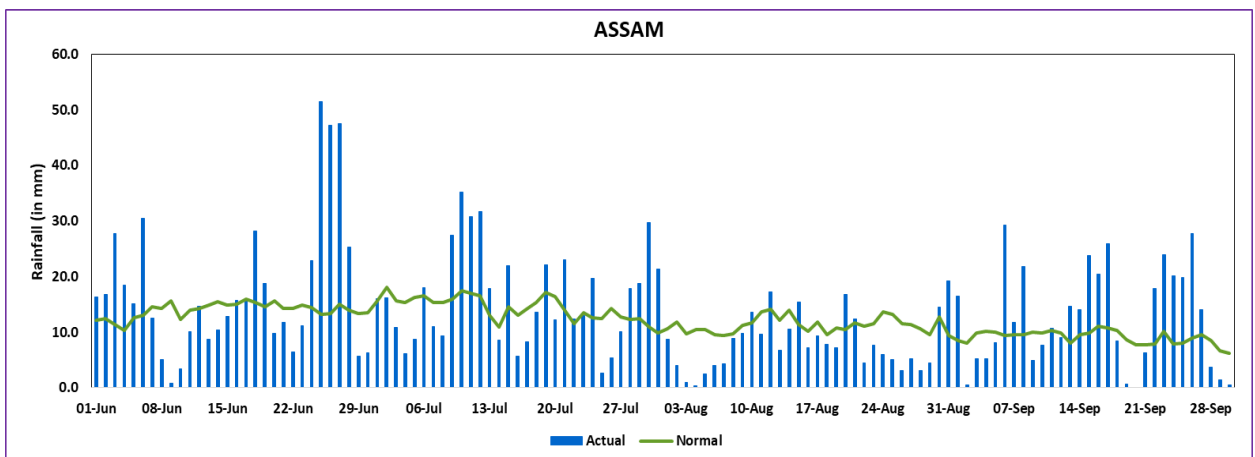
Figure 96: Assam - Rainfall Distribution - SW Monsoon 2020
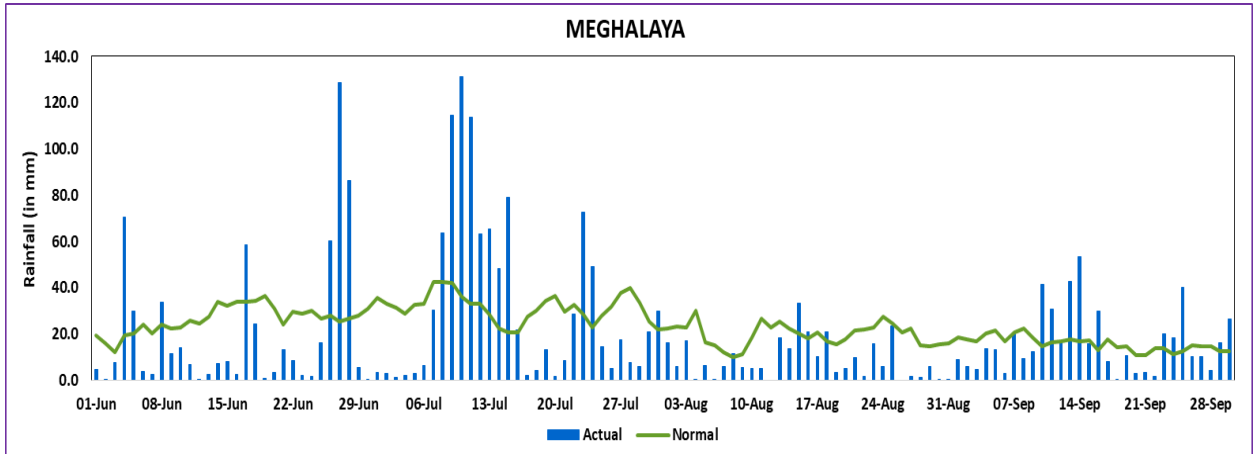
Figure 97: Meghalaya - Rainfall Distribution - SW Monsoon 2020
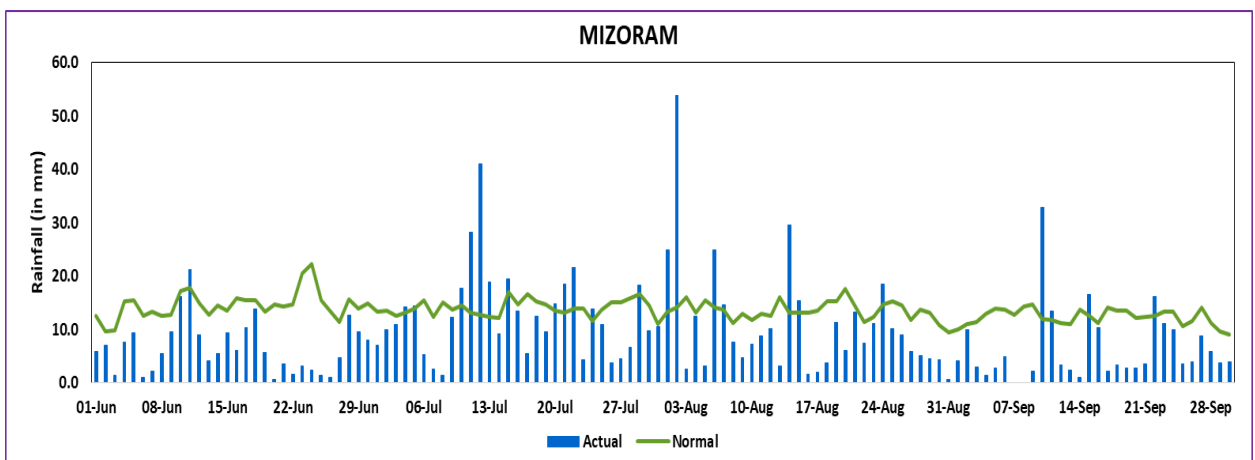
Figure 98: Mizoram - Rainfall Distribution - SW Monsoon 2020
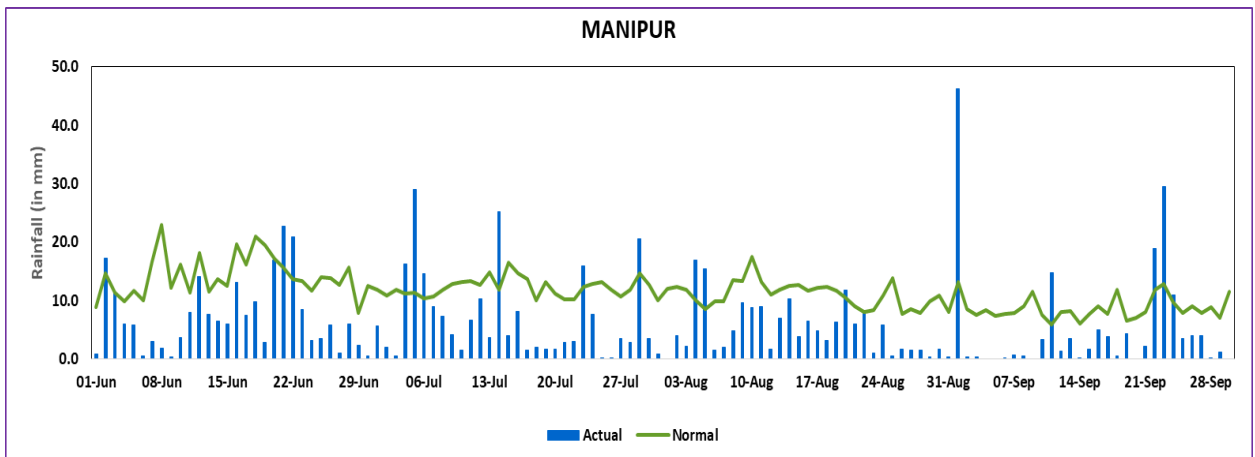
Figure 99: Manipur - Rainfall Distribution - SW Monsoon 2020
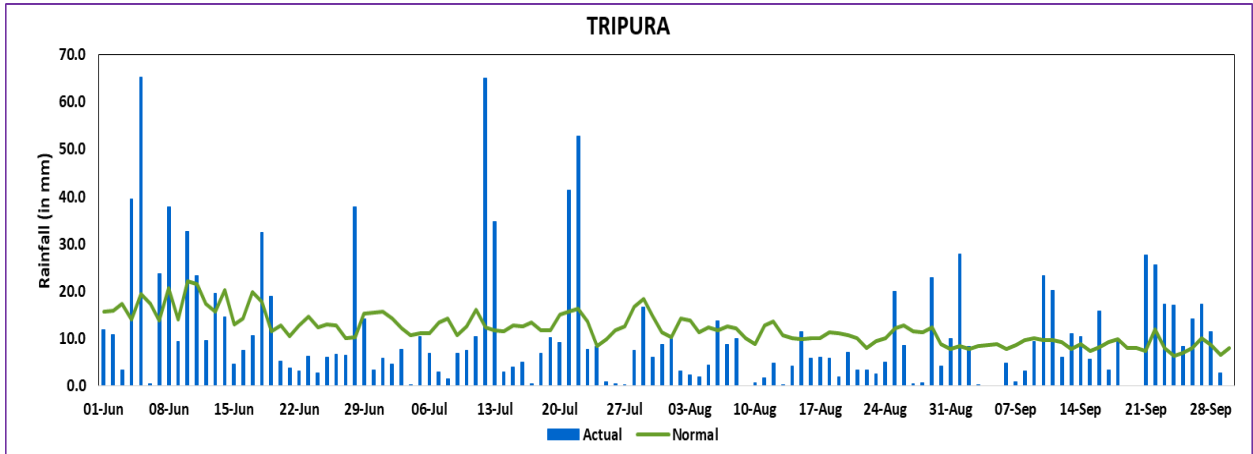
Figure 100: Tripura - Rainfall Distribution - SW Monsoon 2020
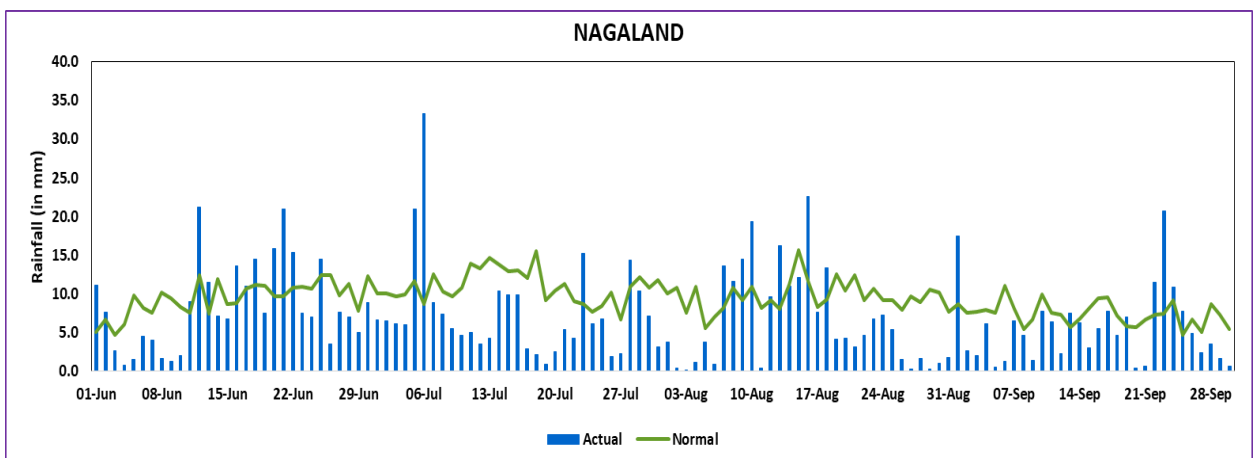
Figure 101: Nagaland - Rainfall Distribution - SW Monsoon 2020
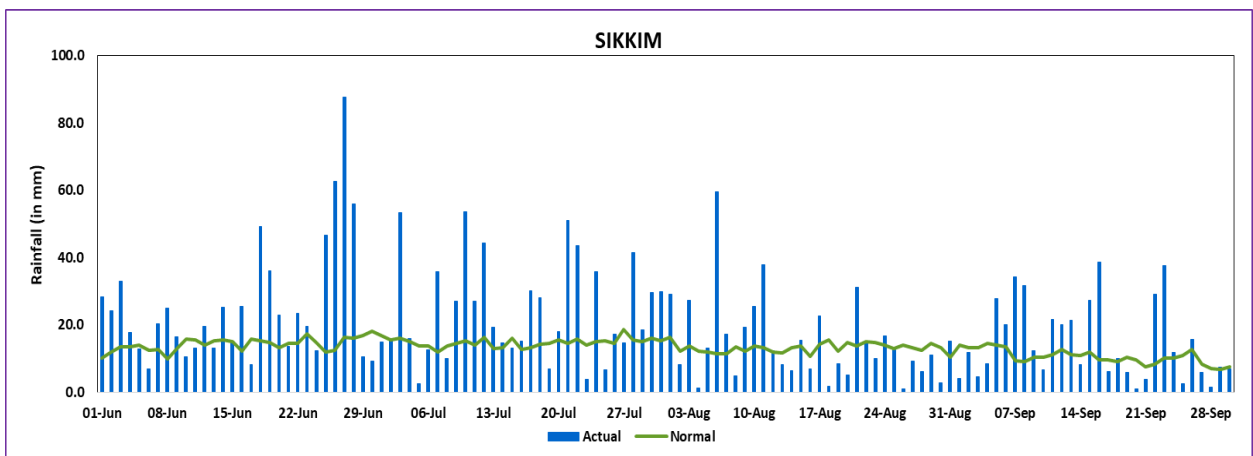
Figure 102: Sikkim- Rainfall Distribution - SW Monsoon 2020

STATE-WISE RAINFALL STATISTICS
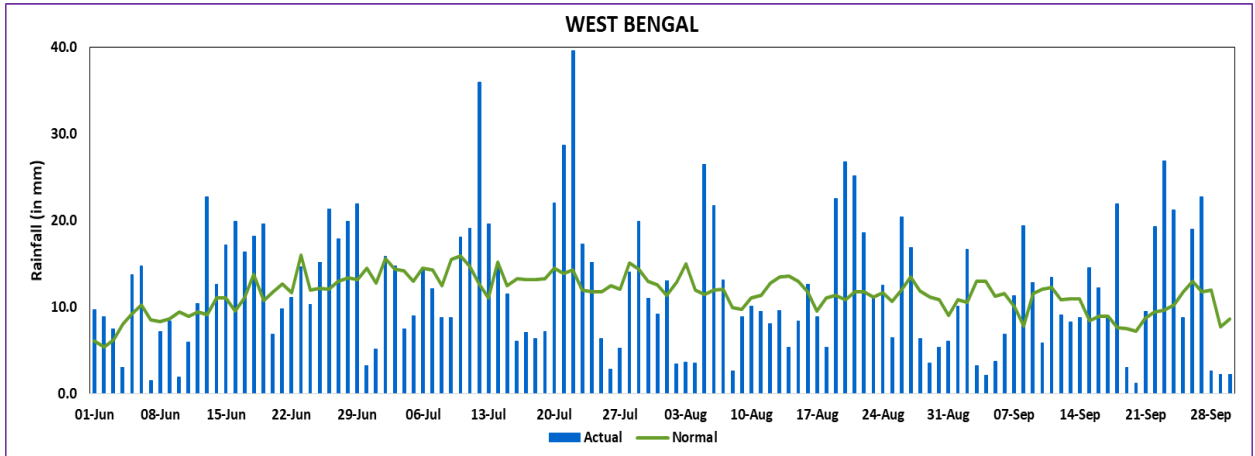
Figure 103: West Bengal - Rainfall Distribution - SW Monsoon 2020
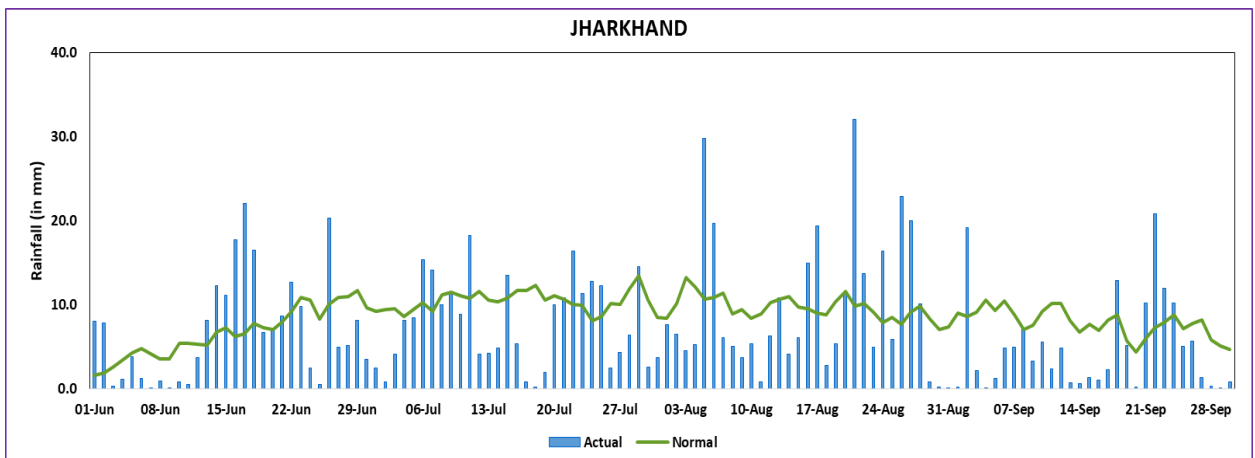
Figure 104: Jharkhand - Rainfall Distribution - SW Monsoon 2020
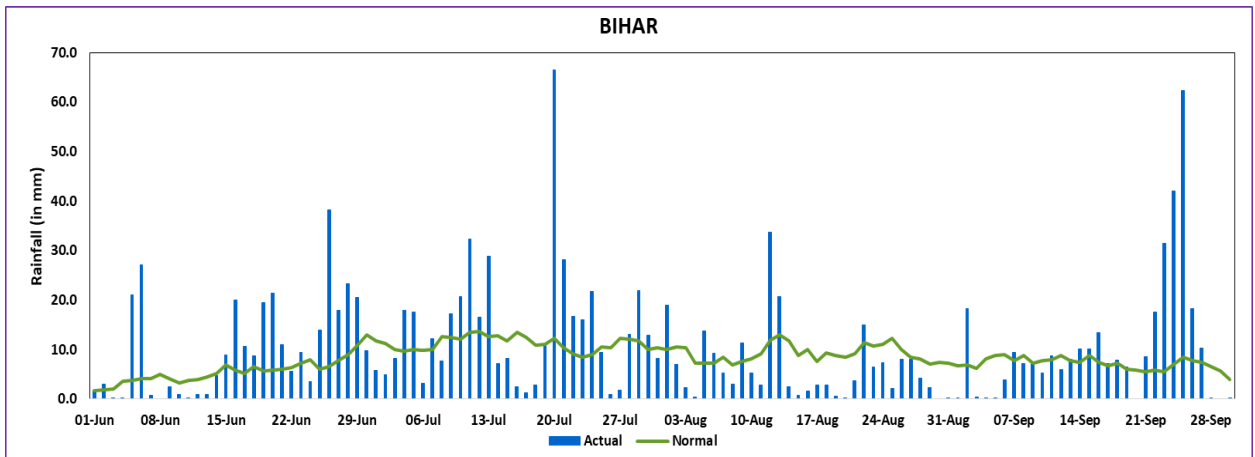
Figure 105: Bihar - Rainfall Distribution - SW Monsoon 2020

6. *DISTRICT-WISE RAINFALL STATISTICS*

6.1　SEASONAL & ANNUAL

The rainfall statistics for 690 districts of India was prepared during the year 2020. The districtwise 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 normals have been given inTable 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 10381.8 mm where as the district of Ladakh in Leh (UT) received the lowest rainfall of 24.2 mm.

Table 22: District-wise seasonal and annual Rainfall (mm) - Year 2020

S.No.	Met subdivison/ States/ UTs/Districts	Winter	Pre-Monsoon	SW-Monsoon	Post-Monsoon	Annual
1	**A & N ISLAND**	6.0	266.1	1712.4	858.5	2842.9
1	NICOBAR	25.2	296.7	1394.9	716.9	2433.7
2	NORTH & MIDDLE ANDAMAN	0.0	269.7	2070.0	956.8	3296.4
3	SOUTH ANDAMAN	0.7	243.2	1518.4	838.7	2600.9
2	**ARUNACHAL PRADESH**	98.2	599.9	1972.0	247.2	2992.9
1	ANJAW	139.4	689.6	1105.8	156.0	2090.8
2	CHANGLANG	58.0	427.0	1796.4	206.0	2487.4
3	DIBANG VALLEY			1589.8	324.7	
4	EAST KAMENG	56.7	230.7	1450.1	208.6	1946.1
5	EAST SIANG	117.5	869.2	4756.6	229.6	5972.9
6	KURUNG KUMEY			1284.0	223.2	
7	LOHIT	67.8	398.0	1879.8	183.8	2529.3
8	LOWER DIBANG VALLEY	107.2	997.5	4266.0	256.9	5627.6
9	LOWER SUBANSIRI	78.4	454.9	495.6	70.4	1099.3
10	PAPUMPARA	99.0	573.2	2581.5	298.2	3551.8
11	TAWANG	0.0	474.9	949.5	56.9	1481.3
12	TIRAP	41.3		1439.3	211.0	
13	UPPER SIANG	282.0	924.9	1990.8	629.8	3827.4
14	UPPER SUBANSIRI	46.8	478.7	1061.1	157.1	1743.7
15	WEST KAMENG	48.5	556.9	1408.0	158.7	2172.1
16	WEST SIANG	113.0	528.7	2163.4	175.2	2980.3
3	**ASSAM & MEGHALAYA**	35.0	663.7	2152.9	215.1	3082.8
	ASSAM	30.5	490.0	1654.6	189.2	2372.9
1	BAKSA	18.8	753.5	2326.1	104.6	3203.0
2	BARPETA	34.6	732.9	3301.6	138.4	4207.6
3	BONGAIGAON	12.2	664.4	2372.3	133.6	3182.5
4	CACHAR	27.3	505.7	1893.4	358.3	2784.7
5	CHIRANG	21.8	937.8	4326.5	127.2	5413.3

DISTRICT-WISE RAINFALL STATISTICS

S.No.	Met subdivison/ States/ UTs/Districts	Winter	Pre-Monsoon	SW-Monsoon	Post-Monsoon	Annual
6	DARRANG	13.2	172.8	498.0	42.3	726.2
7	DHEMAJI	37.3	821.5	3652.3	488.1	4999.2
8	DHUBRI	11.6	870.9	2474.4	153.3	3510.1
9	DIBRUGARH	74.9	477.2	1518.1	221.1	2291.4
10	GOALPARA	13.6	1117.5	1719.9	88.9	2939.8
11	GOLAGHAT	28.1	322.5	923.5	194.6	1468.6
12	HAILAKANDI	35.9	411.7	1632.5	366.7	2446.7
13	JORHAT	59.7	419.7	1419.7	183.6	2082.6
14	KAMRUP (RURAL)	25.1	603.3	1529.1	75.4	2232.9
15	KAMRUP METRO.	45.1	602.8	1246.1	61.9	1955.8
16	KARBI ANGLONG	6.5	190.9	788.3	222.8	1208.5
17	KARIMGANJ	23.0	506.9	2558.9	374.2	3463.0
18	KOKRAJHAR	22.5	887.3	4111.4	197.6	5218.7
19	LAKHIMPUR	90.6	447.5	2212.2	251.4	3001.7
20	MORIGAON	34.0	258.4	794.2	208.8	1295.4
21	N. C. HILLS	5.1	469.4	1030.4	84.2	1589.1
22	NAGAON	19.0	267.4	523.5	164.4	974.3
23	NALBARI	30.2	757.3	2256.5	100.9	3144.9
24	SHONITPUR	47.0	386.2	987.9	151.3	1572.4
25	SIBSAGAR	62.2	388.5	1355.6	158.1	1964.4
26	TINSUKIA	52.4	449.7	1931.3	239.2	2672.5
27	UDALGURI	40.6		1335.8	126.2	
	MEGHALAYA	51.4	1291.4	3995.5	310.8	5649.1
1	EAST GARO HILLS	49.2	1291.8	4409.0	146.8	5896.8
2	EAST KHASI HILLS	51.1	1867.5	7940.4	522.8	10381.8
3	JAINTIA HILLS	43.0	1829.5	4719.3	344.9	6936.7
4	RI-BHOI	50.8	699.2	1977.2	530.5	3257.7
5	SOUTH GARO HILLS	30.6	679.8	3720.9	288.0	4719.3
6	WEST GARO HILLS	16.8	903.2	1952.7	62.6	2935.3
7	WEST KHASI HILLS	91.0	1356.1	3651.9	340.3	5439.3
4	**NMMT**	44.1	303.8	975.6	217.9	1541.4
	NAGALAND	44.1	276.7	850.4	201.5	1372.7
1	DIMAPUR	20.7	193.2	664.9	165.3	1044.1
2	KEPHIRE	40.9	191.4	777.0	155.8	1165.1
3	KOHIMA	24.1	302.6	854.3	184.6	1365.6
4	LONGLENG			686.0	112.8	
5	MOKOKCHUNG	68.8	395.3	1155.4	300.2	1919.5
6	MON	44.9	253.5	812.0	15.3	1125.6
7	PAREN	29.6	105.6	636.7	82.4	854.3
8	PHEK	35.9	230.3	979.3	249.8	1495.3
9	TUENSANG	55.7	284.3	656.8	233.8	1230.6
10	WOKHA	47.0	262.8	711.5	168.7	1190.0
11	ZUNHEBOTO	52.0	306.8	1338.1	309.1	2006.0

S.No.	Met subdivison/ States/ UTs/Districts	Winter	Pre-Monsoon	SW-Monsoon	Post-Monsoon	Annual
	MANIPUR	43.2	216.2	748.5	188.9	1196.9
1	BISHNUPUR	58.9	304.4	800.8	274.4	1438.5
2	CHANDEL	11.4	64.7	193.3	49.7	319.1
3	CHURACHANDPUR	36.6	268.1	680.7	184.7	1170.1
4	IMPHAL EAST	56.4	238.6	675.2	182.1	1152.3
5	IMPHAL WEST	11.6	239.4	1171.2	183.5	1605.7
6	SENAPATI	41.3	279.5	1013.7	261.0	1595.5
7	TAMENGLONG			2776.8	385.5	
8	THOUBAL	46.6	171.4	685.4	147.6	1051.0
9	UKHRUL	74.0	218.3	995.8	240.0	1528.1
	MIZORAM	52.8	263.3	1112.8	236.3	1665.2
1	AIZWAL	55.6	363.2	864.5	292.2	1575.4
2	CHAMPHAI	1.4	167.2	752.6	153.1	1074.3
4	KOLASIB	53.6	344.4	1284.2	379.4	2061.6
5	LAWNGTLAI	79.8	343.1	1633.1	293.8	2349.8
6	LUNGLEI	60.9	230.4	1275.5	108.7	1675.5
7	MAMIT	76.6	205.6	1174.8	248.5	1705.5
8	SAIHA	83.4	344.8	1167.9	442.0	2038.1
9	SERCHHIP	5.0	151.1	744.7	220.8	1121.6
	TRIPURA	28.1	580.7	1301.9	258.4	2169.1
1	DHALAI	25.6	666.5	1230.6	200.2	2122.9
2	NORTH TRIPURA	22.7	691.7	1256.7	324.3	2295.3
3	SOUTH TRIPURA	48.3	517.2	1328.6	289.6	2183.7
4	WEST TRIPURA	20.8	449.6	1385.4	222.9	2078.7
5	**SHWB & SIKKIM**	48.9	499.5	2691.1	114.2	3353.6
	SIKKIM	86.4	664.0	2416.3	183.4	3350.1
1	EAST SIKKIM	69.4	492.3	2214.0	74.5	2850.2
2	NORTH SIKKIM	108.3	873.7	2689.5	261.6	3933.1
3	SOUTH SIKKIM	53.5	405.8	2931.5	57.4	3448.2
4	WEST SIKKIM	42.1	210.6	1260.0	70.4	1583.1
	WEST BENGAL	38.7	389.8	1487.0	87.2	2012.6
1	COOCH BEHAR	11.3	526.0	3480.3	128.7	4146.3
2	DARJEELING	72.8	400.4	3230.0	95.8	3799.0
3	JALPAIGURI	36.0	578.2	4238.6	122.7	4975.5
4	MALDA	43.4	264.3	1242.8	52.8	1603.3
5	NORTH DINAJPUR	27.5	327.6	1581.7	50.0	1986.9
6	SOUTH DINAJPUR	27.5	491.9	1264.6	66.5	1850.5
6	**GANGETIC WEST BENGAL**	39.4	371.1	1064.6	85.7	1564.4
1	BANKURA	24.8	378.6	1067.2	60.6	1531.2
2	BIRBHUM	22.8	298.4	1152.4	37.3	1510.8
3	BURDWAN	27.7	342.3	1027.1	82.6	1479.7
4	EAST MIDNAPORE	60.1	532.6	1004.1	221.0	1817.8
5	HOOGHLY	31.4	345.0	962.4	102.8	1441.7

S.No.	Met subdivison/ States/ UTs/Districts	Winter	Pre-Monsoon	SW-Monsoon	Post-Monsoon	Annual
6	HOWRAH	24.2		942.3	57.8	
7	KOLKATA	46.0	472.1	1308.9	131.0	1958.0
8	MURSHIDABAD	25.0	250.2	1135.9	49.0	1460.1
9	NADIA	27.9	305.5	920.9	69.6	1323.9
10	NORTH 24 PARGANAS	41.1	530.0	1294.3	68.7	1934.2
11	PURULIA	47.3	273.3	1058.9	62.6	1442.1
12	SOUTH 24 PARGANAS	54.1	375.9	1150.4	105.4	1685.7
13	WEST MIDNAPORE	52.8	438.9	960.9	94.7	1547.4
7	**ODISHA**	63.1	265.4	1140.9	166.6	1635.9
1	ANGUL	97.7	255.9	1224.9	178.0	1756.5
2	BALASORE	62.9	446.4	943.6	195.0	1647.8
3	BARGARH	112.1	175.1	1271.4	48.8	1607.4
4	BHADRAK	64.9	370.3	1091.9	253.3	1780.3
5	BOLANGIR	64.6	134.5	1048.1	76.2	1323.4
6	BOUDHGARH	119.1	214.5	1230.8	98.7	1663.1
7	CUTTACK	63.5	349.4	1050.9	230.4	1694.1
8	DEOGARH	127.2	286.0	1506.5	136.3	2056.1
9	DHENKANAL	79.0	335.4	1206.6	133.2	1754.2
10	GAJAPATI	67.5	204.4	763.2	315.4	1350.4
11	GANJAM	62.9	233.8	778.0	340.8	1415.5
12	JAGATSINGHPUR	43.9	440.9	1050.4	285.1	1820.3
13	JAJPUR	55.4	374.9	1142.3	197.0	1769.6
14	JHARSUGUDA	59.5	283.9	1446.3	44.6	1834.3
15	KALAHANDI	32.1	149.1	1094.8	133.5	1409.6
16	KANDHAMAL	67.1	274.2	1171.3	171.4	1684.0
17	KENDRAPARA	29.0	387.8	1101.0	336.5	1854.3
18	KEONJHARGARH	88.7	367.9	1168.3	94.9	1719.7
19	KHURDA	64.5	225.8	807.4	241.4	1339.1
20	KORAPUT	22.1	273.2	1206.9	215.1	1717.3
21	MALKANGIRI	2.8	164.2	1746.4	240.8	2154.2
22	MAYURBHANJ	57.6	448.8	1146.4	145.7	1798.5
23	NAWAPARA	46.2	183.3	1032.1	66.2	1327.8
24	NAWARANGPUR	13.9	204.2	1206.0	106.1	1530.2
25	NAYAGARH	66.8	231.4	939.7	194.8	1432.6
26	PURI	30.5	245.3	764.7	288.6	1329.1
27	RAYAGADA	50.5	212.7	938.1	232.1	1433.4
28	SAMBALPUR	93.7	196.3	1317.1	123.3	1730.4
29	SONEPUR	147.8	221.6	1164.3	96.9	1630.6
30	SUNDARGARH	63.3	266.0	1278.5	58.7	1666.5
8	**JHARKHAND**	41.3	216.5	898.3	66.6	1222.7
1	BOKARO	39.0	226.2	735.8	62.7	1063.7
2	CHATRA	30.0	139.7	651.8	49.1	870.5
3	DEOGHAR	52.0	152.5	575.7	44.3	824.5

S.No.	Met subdivison/ States/ UTs/Districts	Winter	Pre-Monsoon	SW-Monsoon	Post-Monsoon	Annual
4	DHANBAD	20.0	168.4	909.7	83.8	1181.8
5	DUMKA	32.0	294.2	1144.7	39.7	1510.5
6	EAST SINGBHUM	46.0	318.9	1177.2	95.2	1637.2
7	GARHWA	20.4	79.8	713.1	12.0	825.3
8	GIRIDIH	26.7	189.0	910.1	40.6	1166.4
9	GODDA	30.6	173.6	819.6	37.7	1061.5
10	GUMLA	39.8	178.3	564.0	37.9	820.0
11	HAZARIBAG	43.3	209.7	951.5	88.9	1293.2
12	JAMTARA	20.5	254.4	774.3	9.1	1058.2
13	KHUNTI	34.5	239.7	875.8	51.3	1201.3
14	KODERMA	22.1	159.3	891.4	78.8	1151.5
15	LATEHAR	52.5	228.6	1180.3	178.3	1639.7
16	LOHARDAGA	77.3	233.4	887.7	170.3	1368.7
17	PAKUR	27.9	239.5	889.0	50.4	1206.8
18	PALAMU	43.7	161.1	1004.1	98.6	1307.5
19	RAMGARH	46.3	201.8	1183.2	98.4	1529.7
20	RANCHI	37.5	149.2	904.4	47.4	1138.4
21	SAHIBGANJ	22.2	339.2	1298.0	3.3	1662.7
22	SERAIKELA-KHARSAWAN	31.7	281.9	732.1	68.4	1114.0
23	SIMDEGA	78.1	344.2	1188.8	114.1	1725.2
24	WEST SINGBHUM	61.4	287.9	863.7	65.5	1278.4
9	**BIHAR**	36.3	182.6	1272.4	30.1	1521.4
1	ARARIA	21.1	254.4	1937.4	12.3	2225.1
2	ARWAL	16.5	55.6	642.2	8.3	722.6
3	AURANGABAD	42.4	101.7	807.5	27.2	978.9
4	BANKA	63.0	185.2	979.6	40.7	1268.4
5	BEGUSARAI	24.8	223.3	1082.0	79.3	1409.5
6	BHABUA	20.9	91.4	722.0	22.2	856.5
7	BHAGALPUR	41.4	285.5	1194.0	74.5	1595.4
8	BHOJPUR	24.9	94.6	1014.3	8.6	1142.4
9	BUXAR	12.8	69.2	1031.8	26.0	1139.8
10	DARBHANGA	16.5	204.0	1419.2	33.7	1673.4
11	EAST CHAMPARAN	84.8	163.9	1596.1	4.6	1849.4
12	GAYA	29.8	118.5	776.7	42.6	967.5
13	GOPALGANJ	32.7	199.5	1549.6	2.5	1784.3
14	JAHANABAD	49.3	130.6	949.1	10.0	1139.0
15	JAMUI	20.5	187.9	905.7	90.4	1204.5
16	KATIHAR	35.9	233.3	1542.3	56.6	1868.1
17	KHAGARIA	34.6	189.4	1089.7	53.2	1366.8
18	KISHANGANJ	24.3	395.9	2364.6	36.2	2821.0
19	LAKHISARAI	21.2	191.2	1020.7	35.1	1268.2
20	MADHEPURA	23.5	215.5	1501.2	32.9	1773.1
21	MADHUBANI	18.2	161.4	1347.7	7.8	1535.1

DISTRICT-WISE RAINFALL STATISTICS

S.No.	Met subdivison/ States/ UTs/Districts	Winter	Pre-Monsoon	SW-Monsoon	Post-Monsoon	Annual
22	MONGHYR	8.6	129.2	1194.0	36.9	1368.7
23	MUZAFFARPUR	39.1	225.6	1456.7	8.4	1729.9
24	NALANDA	42.8	154.9	925.6	28.9	1152.2
25	NAWADA	17.0	124.6	948.7	52.3	1142.6
26	PATNA	19.9	150.9	1078.2	38.3	1287.3
27	PURNEA	20.5	412.6	1985.1	43.5	2461.6
28	ROHTAS	50.5	134.5	791.0	26.6	1002.7
29	SAHARSA	23.4	128.4	1012.0	42.5	1206.3
30	SAMASTIPUR	17.9	240.9	1381.2	22.1	1662.1
31	SARAN	29.2	151.4	1229.5	38.9	1449.0
32	SHEIKHPURA	15.1	108.0	672.0	11.2	806.3
33	SHEOHAR	44.7	138.2	1552.5	4.6	1740.0
34	SITAMARHI	37.5	230.8	1536.2	2.8	1807.4
35	SIWAN	25.8	144.9	1221.4	1.5	1393.6
36	SUPAUL	28.0	172.4	1728.9	29.6	1958.9
37	VAISHALI	39.7	181.1	1095.9	25.6	1342.3
38	WEST CHAMPARAN	113.3	197.2	2024.3	4.3	2339.1
	UTTAR PRADESH	**42.4**	**94.2**	**649.7**	**7.7**	**792.8**
10	**EAST UTTAR PRADESH**	**41.0**	**97.9**	**782.4**	**9.1**	**929.5**
1	ALLAHABAD	21.9	92.3	733.8	7.9	855.8
2	AMBEDKAR NAGAR	30.0	94.2	1330.0	18.0	1472.2
3	AMETHI	32.7	69.0	622.1	22.8	746.6
4	AZAMGARH	14.5	71.4	837.3	5.5	928.6
5	BAHRAICH	78.7	173.5	963.2	5.8	1221.3
6	BALLIA	10.3	65.4	860.1	5.1	940.9
7	BALRAMPUR	107.0	123.4	1111.2	6.0	1347.6
8	BANDA	44.1	85.0	745.9	1.5	876.5
9	BARABANKI	100.0	135.5	1077.8	15.6	1328.9
10	BASTI	91.4	195.6	1619.5	3.9	1910.4
11	CHANDAULI	5.0	64.0	515.2	4.5	588.7
12	CHITRAKOOT	19.5	173.0	1229.3	21.0	1442.8
13	DEORIA	26.5	137.5	1088.7	0.5	1253.1
14	FAIZABAD	83.2	114.8	792.6	7.7	998.4
15	FARRUKHABAD	22.5	62.5	386.6	11.8	483.3
16	FATEHPUR	30.5	73.2	503.5	0.0	607.2
17	GHAZIPUR	8.6	72.9	695.5	2.0	779.0
18	GONDA	81.1	175.1	851.5	7.2	1114.9
19	GORAKHPUR	54.2	119.6	1469.3	7.5	1650.6
20	HARDOI	25.7	61.4	349.6	10.8	447.5
21	JAUNPUR	5.1	38.8	526.9	2.4	573.3
22	KANNAUJ	36.1	84.6	505.9	33.1	659.7
23	KANPUR CITY	68.6	87.3	563.1	15.7	734.8
24	KANPUR DEHAT	32.1	35.6	268.0	8.2	343.8

DISTRICT-WISE RAINFALL STATISTICS

S.No.	Met subdivison/ States/ UTs/Districts	Winter	Pre-Monsoon	SW-Monsoon	Post-Monsoon	Annual
25	KAUSHAMBI	14.6	30.1	243.6	0.0	288.2
26	KHERI	59.9	128.3	851.9	3.9	1044.0
27	KUSHI NAGAR	21.8	32.9	720.1	0.0	774.8
28	LUCKNOW	63.5	129.9	493.5	21.5	708.3
29	MAHARAJGANJ	62.0	87.6	1102.5	0.0	1252.1
30	MAU	1.0	48.0	561.0	0.0	610.0
31	MIRZAPUR	30.0	107.2	796.0	8.9	942.0
32	PRATAPGARH	22.7	83.7	847.2	0.0	953.6
33	RAE BAREILLY	14.4	52.7	369.5	3.5	440.2
34	SANT KABIR NAGAR	61.0	55.5	1310.8	6.5	1433.8
35	SANT RAVIDAS NAGAR	44.0	150.0	943.0	0.0	1137.0
36	SHRAWASTI NAGAR		82.7	910.2	3.6	
37	SIDDHARTH NAGAR	67.7	115.0	1357.2	0.4	1540.3
38	SITAPUR	30.0	64.9	577.0	10.5	682.3
39	SONBHADRA	22.8	121.7	760.0	39.6	944.1
40	SULTANPUR	34.8	126.2	995.8	12.0	1168.7
41	UNNAO	61.8	74.3	357.0	6.5	499.5
42	VARANASI	27.7	124.2	858.1	22.3	1032.3
11	**WEST UTTAR PRADESH**	44.4	88.8	453.3	5.6	592.1
1	AGRA	20.2	64.4	322.1	12.5	419.2
2	ALIGARH	31.9	137.5	353.6	9.2	532.1
3	AURAIYA	31.0	44.0	355.6	7.0	437.6
4	BADAUN	46.5	84.3	421.8	3.8	556.3
5	BAGHPAT	33.0	139.0	298.0	0.0	470.0
6	BAREILLY	90.0	176.8	645.8	2.5	915.0
7	BIJNOR	112.8	149.6	862.3	7.2	1131.8
8	BULANDSHAHAR	23.2	71.6	221.1	0.8	316.6
9	ETAH	25.5	60.1	367.3	26.7	479.5
10	ETAWAH	39.0	53.7	436.3	16.2	545.2
11	FIROZABAD	19.5	123.6	430.4	20.2	593.7
12	GAUTAM BUDDHA NAGAR	8.5	21.1	68.3	1.0	98.9
13	GHAZIABAD	13.6	69.0	156.6	2.5	241.6
14	HAMIRPUR	33.7	66.0	657.2	1.3	758.2
15	HAPUR	75.0	116.0	388.8	2.3	582.1
16	JALAUN	33.0	28.0	417.6	0.0	478.6
17	JHANSI	25.3	32.3	496.5	1.1	555.2
18	JYOTIBA PHULE NAGAR	35.0	100.5	377.4	0.3	513.2
19	KANSHIRAM NAGAR	38.6	67.0	389.4	5.3	500.3
20	LALITPUR	31.0	7.5	600.5	7.0	646.0
21	MAHAMAYA NAGAR	43.4	73.4	351.9	11.1	479.9
22	MAHOBA	9.9	34.8	331.5	2.5	378.7
23	MAINPURI	27.8	108.7	404.6	9.0	550.2
24	MATHURA	15.0	49.0	182.6	2.2	248.8

S.No.	Met subdivison/ States/ UTs/Districts	Winter	Pre-Monsoon	SW-Monsoon	Post-Monsoon	Annual
25	MEERUT	42.6	85.2	381.8	7.3	516.8
26	MORADABAD	94.5	114.3	630.6	0.0	839.4
27	MUZAFFARNAGAR	83.0	191.4	590.4	1.8	866.5
28	PILIBHIT	66.4	100.7	621.2	0.3	788.7
29	RAMPUR	56.4	67.1	320.6	0.0	444.1
30	SAHARANPUR	71.7	161.2	723.3	17.0	973.2
31	SAMBHAL	55.5	83.5	456.5	1.5	597.0
32	SHAHJAHANPUR	23.7	108.6	446.7	6.3	585.3
33	SHAMLI	34.0	100.0	326.0	0.0	460.0
12	**UTTARAKHAND**	170.8	241.3	943.1	17.8	1373.0
1	ALMORA	154.6	183.5	596.6	2.8	937.5
2	BAGESHWAR	149.0	264.8	1992.4	6.1	2412.3
3	CHAMOLI	161.7	185.3	845.3	15.7	1207.9
4	CHAMPAWAT	167.5	145.3	640.3	0.5	953.5
5	DEHRADUN	194.1	262.1	1129.9	47.9	1634.0
6	GARHWAL PAURI	174.6	180.9	641.6	9.0	1006.0
7	GARHWAL TEHRI	229.8	235.3	706.9	19.9	1191.9
8	HARDWAR	109.4	227.5	797.5	34.0	1168.3
9	NAINITAL	204.6	277.7	952.2	4.3	1438.8
10	PITHORAGARH	199.5	289.8	1547.8	2.8	2039.8
11	RUDRAPRAYAG	183.6	342.2	977.1	18.7	1521.6
12	UDHAM SINGH NAGAR	114.7	183.1	1044.4	3.8	1345.9
13	UTTARKASHI	139.9	299.0	633.4	47.3	1119.6
13	**HAR. CHD & DELHI**	29.8	118.3	379.8	8.6	537.1
	HARYANA	29.8	118.5	376.1	8.8	533.2
1	AMBALA	58.6	192.4	547.0	24.0	822.0
2	BHIWANI	10.0	85.1	189.2	1.7	286.0
3	FARIDABAD	32.7	142.3	568.0	3.3	746.3
4	FATEHABAD	31.0	68.7	283.3	1.9	384.8
5	GURGAON	16.1	64.1	507.5	0.8	588.4
6	HISAR	17.1	86.0	249.2	9.5	361.8
7	JHAJJAR	14.9	65.7	366.6	0.9	448.1
8	JIND	16.7	105.7	283.2	10.8	416.4
9	KAITHAL	28.2	142.8	468.5	15.3	654.8
10	KARNAL	72.2	168.0	705.4	28.0	973.6
11	KURUKSHETRA	56.8	154.5	543.9	28.9	784.1
12	MAHENDRAGARH	3.6	101.3	256.2	0.0	361.0
13	MEWAT	6.3	117.3	456.0	1.8	581.3
14	PALWAL	16.8	140.5	321.5	6.3	485.0
15	PANCHKULA	45.3	107.9	322.2	11.8	487.2
16	PANIPAT	52.0	114.0	372.0	6.0	544.0
17	REWARI	17.8	139.4	319.3	0.6	477.1
18	ROHTAK	15.1	96.5	215.9	1.5	329.0

DISTRICT-WISE RAINFALL STATISTICS

S.No.	Met subdivison/ States/ UTs/Districts	Winter	Pre-Monsoon	SW-Monsoon	Post-Monsoon	Annual
19	SIRSA	31.0	97.1	302.0	9.5	439.5
20	SONEPAT	42.8	222.8	468.0	3.5	737.0
21	YAMUNA NAGAR	108.2	175.9	685.1	32.6	1001.9
	CHANDIGARH (UT)	53.1	170.1	791.1	32.2	1046.5
	DELHI	26.0	102.1	467.7	0.8	678.5
1	CENTRAL DELHI	31.0		250.2	6.3	
2	EAST DELHI	24.6	118.8	496.2	4.2	643.8
3	NEW DELHI	35.9	105.6	457.6	0.8	599.9
4	NORTH DELHI	37.8	159.4	619.0	2.9	819.1
5	NORTH EAST DELHI	29.6	153.8	415.2	0.0	598.6
6	NORTH WEST DELHI	9.5		321.0	0.0	
7	SOUTH DELHI	22.4	98.6	527.8	0.2	648.8
8	SOUTH WEST DELHI	35.1	85.8	577.6	0.9	699.4
9	WEST DELHI	50.0		478.2	1.0	
14	**PUNJAB**	53.0	124.7	387.5	20.3	585.5
1	AMRITSAR	71.6	102.3	380.9	25.2	580.0
2	BARNALA	41.0	136.0	379.4	10.0	566.4
3	BHATINDA	43.1	89.3	319.3	10.3	462.0
4	FARIDKOT	39.8	94.9	525.2	7.2	667.1
5	FATEHGARH SAHIB	35.3	197.5	428.4	16.5	677.7
6	FEROZEPUR	43.6	86.6	257.4	7.5	395.1
7	GURDASPUR	136.1	241.1	838.4	64.2	1279.8
8	HOSHIARPUR	49.7	103.6	265.6	25.2	444.1
9	JALANDHAR	46.7	132.8	347.3	29.7	556.5
10	KAPURTHALA	43.1	158.0	386.5	27.2	614.7
11	LUDHIANA	35.7	137.4	337.3	18.8	529.1
12	MANSA	19.7	64.6	136.4	5.7	226.4
13	MOGA	47.3	87.0	251.4	19.2	404.8
14	MUKTSAR	36.3	70.0	406.8	6.6	519.7
15	NAWANSHAHAR	82.8	210.7	425.7	43.6	762.8
16	PATIALA	45.1	197.2	392.6	19.6	654.3
17	ROPAR	79.1	130.0	678.6	43.4	931.1
18	SANGRUR	37.5	90.6	461.3	9.8	599.3
19	SAS NAGAR (MOHALI)	49.3	99.6	484.0	22.6	655.6
20	TARN TARAN	71.3	143.5	167.0	18.2	399.9
15	**HIMACHAL PRADESH**	137.1	270.9	567.0	77.2	1052.2
1	BILASPUR	141.0	304.1	956.8	71.7	1473.7
2	CHAMBA	124.8	402.6	477.4	97.7	1102.5
3	HAMIRPUR	124.1	275.6	816.1	51.7	1267.5
4	KANGRA	136.2	360.8	1217.3	64.2	1778.6
5	KINNAUR	146.1	135.1	114.9	54.0	450.1
6	KULLU	201.8	390.2	528.4	120.6	1241.0
7	LAHAUL & SPITI	105.3	165.1	105.5	95.1	470.9

DISTRICT-WISE RAINFALL STATISTICS

S.No.	Met subdivison/ States/ UTs/Districts	Winter	Pre-Monsoon	SW-Monsoon	Post-Monsoon	Annual
8	MANDI	137.4	292.4	818.6	52.9	1301.3
9	SHIMLA	148.7	267.0	457.3	70.2	943.2
10	SIRMAUR	164.0	275.2	855.0	63.4	1357.6
11	SOLAN	194.4	274.1	780.9	64.7	1314.1
12	UNA	63.0	215.2	740.8	46.9	1065.9
16	**J & K AND LADAKH**	164.3	330.5	422.4	108.1	1016.3
	JAMMU & KASHMIR(UT)	164.3	330.5	422.4	108.1	1016.3
1	ANANTNAG	129.4	243.0	217.9	74.1	664.3
2	BADGAM	69.7	219.0	122.1	36.0	446.8
3	BANDIPORE	46.5	229.3	58.0	61.0	394.8
4	BARAMULA	179.2	288.3	193.9	120.2	781.5
5	DODA	271.1	450.7	264.7	67.9	1054.3
6	GANDERBAL	152.8	348.0	287.7	198.6	987.1
7	JAMMU	132.7	205.0	571.9	44.1	953.7
8	KATHUA	114.1	261.4	1028.4	58.4	1462.3
9	KISTWAR				142.0	
10	KULGAM	224.0	390.8	209.8	75.5	900.1
11	KUPWARA	308.1	390.9	177.2	276.2	1152.4
12	POONCH	114.0			160.0	
13	PULWAMA	112.2	169.4	82.0	31.9	395.5
14	RAJOURI	96.5	263.7	515.4	69.4	945.0
15	RAMBAN	265.0	521.3	390.0	142.9	1319.3
16	REASI	214.8	423.0	1424.1	117.4	2179.3
17	SAMBA	81.0		802.0	52.0	
18	SHOPIAN	20.0		59.0	18.0	
19	SRINAGAR	100.3	241.1	223.7	88.7	653.9
20	UDHAMPUR	85.3	470.1	582.2	130.7	1268.3
	LADAKH (UT)	0.2	5.6	12.6	4.0	24.2
1	KARGIL			2.5	8.4	
2	LADAKH (LEH)	0.2	5.6	15.8	2.6	24.2
	RAJASTHAN	5.8	48.8	450.2	6.2	511.0
17	**EAST RAJASTHAN**	2.9	46.4	593.7	9.2	652.1
1	AJMER	0.0	47.4	440.7	5.1	493.3
2	ALWAR	2.9	110.7	397.7	3.0	514.4
3	BANSWARA	0.0	7.2	1036.7	9.5	1053.4
4	BARAN	11.4	15.6	615.0	10.8	652.8
5	BHARATPUR	9.9	80.8	468.9	7.5	567.1
6	BHILWARA	0.2	45.8	566.6	2.6	615.3
7	BUNDI	0.5	30.5	455.8	19.3	506.2
8	CHITTORGARH	0.3	36.4	647.0	27.2	710.8
9	DAUSA	0.0	48.6	476.0	10.6	535.2
10	DHOLPUR	19.3	53.5	393.3	24.3	490.5
11	DUNGARPUR	0.0	3.7	882.0	9.0	894.7

DISTRICT-WISE RAINFALL STATISTICS

S.No.	Met subdivison/ States/ UTs/Districts	Winter	Pre-Monsoon	SW-Monsoon	Post-Monsoon	Annual
12	JAIPUR	0.3	67.1	566.0	8.3	641.7
13	JHALAWAR	4.5	12.2	792.0	1.8	810.5
14	JHUNJHUNU	2.5	53.9	322.2	0.0	378.6
15	KARAULI	12.8	34.5	506.7	19.0	573.0
16	KOTA	4.4	27.8	611.0	2.1	645.3
17	PRATAPGARH	0.0	11.4	1023.2	15.8	1050.4
18	RAJSAMAND	0.0	63.3	626.1	6.6	696.0
19	SAWAI MADHOPUR	7.1	47.0	528.0	23.3	605.5
20	SIKAR	1.4	91.4	438.2	1.6	532.6
21	SIROHI	0.0	19.3	1023.6	2.0	1044.9
22	TONK	4.3	44.7	432.6	11.8	493.4
23	UDAIPUR	0.0	36.7	725.3	8.2	770.2
18	**WEST RAJASTHAN**	8.2	50.8	336.2	3.8	399.0
1	BARMER	4.9	28.5	304.6	6.0	344.0
2	BIKANER	13.5	66.3	219.3	0.0	299.1
3	CHURU	5.0	72.1	401.9	3.3	482.3
4	HANUMANGARH	23.6	105.4	221.9	2.1	353.0
5	JAISALMER	9.9	29.8	252.0	0.1	291.8
6	JALORE	0.0	19.1	552.6	14.9	586.6
7	JODHPUR	3.7	49.0	444.6	7.3	504.7
8	NAGAUR	0.0	68.4	441.8	1.3	511.5
9	PALI	0.2	52.4	542.2	9.3	604.1
10	SRI GANGANAGAR	32.7	75.8	168.0	2.1	278.6
	MADHYA PRADESH	30.5	51.4	991.7	28.5	1102.2
19	**EAST MADHYA PRADESH**	52.7	82.7	1025.1	37.9	1198.4
		0.0	0.0	0.0	0.0	0.0
1	ANUPPUR	88.6	144.8	1177.9	79.8	1491.0
2	BALAGHAT	129.9	78.7	1197.5	90.3	1496.3
3	CHHATARPUR	27.5	60.9	720.0	22.7	831.2
4	CHHINDWARA	65.0	84.6	1360.1	49.7	1559.4
5	DAMOH	20.0	30.4	968.6	12.6	1031.5
6	DINDORI	69.3	250.6	1283.9	52.7	1656.5
7	JABALPUR	29.6	40.0	1033.8	8.7	1112.0
8	KATNI	43.6	55.4	803.3	18.8	921.1
9	MANDLA	97.3	100.2	1214.7	56.2	1468.4
10	NARSINGHPUR	23.1	17.8	1128.0	1.2	1170.1
11	PANNA	27.9	100.3	910.5	22.8	1061.5
12	REWA	34.0	56.1	980.9	17.8	1088.8
13	SAGAR	15.4	40.1	938.7	12.8	1006.9
14	SATNA	21.6	44.7	782.2	18.6	867.1
15	SEONI	49.1	78.6	1146.6	35.4	1309.6
16	SHAHDOL	118.0	156.2	868.0	64.2	1206.4
17	SIDHI	28.8	106.7	869.1	39.2	1043.8

DISTRICT-WISE RAINFALL STATISTICS

S.No.	Met subdivison/ States/ UTs/Districts	Winter	Pre-Monsoon	SW-Monsoon	Post-Monsoon	Annual
18	SINGRAULI	63.2	105.1	1062.0	64.6	1294.9
19	TIKAMGARH	44.3	28.3	709.9	9.1	791.6
20	UMARIA	52.1	188.1	1093.6	93.4	1427.2
20	**WEST MADHYA PRADESH**	13.5	27.4	966.0	21.3	1028.2
1	AGAR-MALWA	16.3	11.3	981.4	16.9	1026.0
2	ALIRAJPUR	0.0	4.5	938.6	35.1	978.2
3	ASHOKNAGAR	20.8	33.5	940.0	6.5	1000.8
4	BARWANI	0.0	3.4	849.7	36.8	889.9
5	BETUL	45.3	57.8	1119.1	38.6	1260.8
6	BHIND	49.3	79.6	448.7	31.8	609.3
7	BHOPAL	6.5	63.2	1249.6	34.9	1354.1
8	BURHANPUR	6.1	4.5	844.0	41.9	896.5
9	DATIA	34.5	40.6	557.4	10.5	643.0
10	DEWAS	0.8	9.3	1387.2	12.6	1409.9
11	DHAR	0.0	4.8	860.3	37.5	902.5
12	GUNA	23.7	13.3	847.0	18.2	902.2
13	GWALIOR	51.3	61.3	519.4	19.7	651.6
14	HARDA	2.5	16.4	1159.8	24.1	1202.8
15	HOSHANGABAD	6.8	31.4	1310.2	7.6	1356.0
16	INDORE	0.0	10.8	1203.8	54.1	1268.6
17	JHABUA	0.0	3.6	1010.8	18.3	1032.6
18	KHANDWA	4.0	21.1	1006.3	15.8	1047.1
19	KHARGONE	0.0	2.0	843.8	25.6	871.4
20	MANDSAUR	0.0	9.0	620.8	13.2	643.0
21	MORENA	26.3	66.3	524.0	18.5	635.0
22	NEEMUCH	1.3	40.0	669.0	41.7	752.0
23	RAISEN	2.3	32.6	1394.6	7.2	1436.8
24	RAJGARH	10.3	22.2	1009.1	16.0	1057.6
25	RATLAM	0.4	9.0	1085.1	51.2	1145.6
26	SEHORE	0.0	19.0	1425.8	11.8	1456.6
27	SHAJAPUR	5.3	31.2	1072.9	11.4	1120.7
28	SHEOPUR	16.0	39.5	579.4	8.2	643.1
29	SHIVPURI	52.0	54.0	747.4	2.1	855.6
30	UJJAIN	4.5	18.7	1080.3	32.8	1136.3
31	VIDISHA	3.4	21.7	1082.4	13.9	1121.5
	GUJARAT	0.1	2.6	1091.7	31.1	1125.4
21	**GUJARAT REGION**	0.0	4.3	1035.0	23.7	1063.0
1	AHMEDABAD	0.0	4.0	673.9	6.1	684.0
2	ANAND	0.0	0.2	938.5	26.0	964.7
3	ARAVALLI	0.0	8.8	825.3	11.5	845.7
4	BANASKANTHA	0.0	12.9	729.9	8.3	751.1
5	BHARUCH	0.0	0.0	1089.0	29.2	1118.2
6	CHHOTA UDEPUR	0.0	5.2	1071.1	24.5	1100.8

S.No.	Met subdivison/ States/ UTs/Districts	Winter	Pre-Monsoon	SW-Monsoon	Post-Monsoon	Annual
7	DADARA & NAGAR HAVELI	0.0	0.0	2379.6	34.2	2413.8
8	DAHOD	0.0	0.0	578.9	9.4	588.3
9	DAMAN	0.0	0.0	1772.7	33.5	1806.2
10	DANGS	0.0	2.0	1630.7	118.7	1751.3
11	GANDHINAGAR	0.0	2.8	899.2	9.6	911.6
12	KHEDA	0.0	6.6	834.4	27.4	868.4
13	MAHISAGAR	0.0	7.6	738.3	19.6	765.5
14	MEHSANA	0.0	2.2	793.1	10.2	805.5
15	NARMADA	0.0	1.4	1250.8	36.3	1288.5
16	NAVSARI	0.0	0.2	2096.0	61.2	2157.4
17	PANCHMAHAL	0.0	4.3	962.4	9.0	975.7
18	PATAN	0.0	1.6	811.1	5.4	818.1
19	SABARKANTHA	0.0	11.4	942.1	12.8	966.2
20	SURAT	0.0	1.2	2090.7	57.4	2149.3
21	TAPI	0.0	0.0	1481.4	70.2	1551.6
22	VADODARA	0.0	1.1	792.5	11.8	805.4
23	VALSAD	0.0	0.9	2055.7	55.2	2111.7
22	**SAURASHTRA & KUTCH**	**0.2**	**1.1**	**1146.2**	**37.3**	**1184.8**
1	AMRELI	0.0	3.0	1116.2	42.6	1161.8
2	BHAVNAGAR	0.0	0.9	722.9	35.9	759.8
3	BOTAD	0.0	0.0	1003.0	7.3	1010.3
4	DEVBHOOMI DWARKA	0.1	0.1	2132.0	34.2	2166.4
5	DIU	0.0	0.0	1530.5	39.1	1569.6
6	GIR SOMNATH	0.0	0.6	1501.5	36.1	1538.3
7	JAMNAGAR	0.0	0.0	1414.2	30.8	1445.0
8	JUNAGADH	0.6	0.8	1604.8	59.1	1665.3
9	KUTCH	0.5	1.5	1045.7	43.7	1091.5
10	MORBI	0.0	0.0	1077.6	21.8	1099.4
11	PORBANDAR	0.1	1.0	1591.0	27.9	1620.1
12	RAJKOT	0.0	0.0	1192.3	51.5	1243.8
13	SURENDRANAGAR	0.0	1.0	841.6	5.7	848.4
	DADARA & NAGAR HAVELI	0.0	0.0	2379.6	34.2	2413.8
	DAMAN & DIU	0.0	0.0	1686.2	35.5	1721.7
1	DAMAN	0.0	0.0	1772.7	33.5	1806.2
2	DIU	0.0	0.0	1530.5	39.1	1569.6
23	**KONKAN & GOA**	**0.0**	**12.2**	**3658.1**	**254.2**	**3924.5**
	GOA	0.0	15.4	4158.6	231.9	4406.0
1	NORTH GOA	0.0	17.1	4271.8	279.5	4568.4
2	SOUTH GOA	0.0	14.0	4058.7	189.9	4262.5
	MAHARASHTRA	8.9	33.5	1166.1	127.5	1387.4
1	MUMBAI CITY	0.0	0.2	3202.5	241.4	3444.1
2	MUMBAI SUBURBAN	0.0	0.0	3686.8	148.5	3835.3
3	PALGHAR	0.0	0.0	2586.4	89.5	2675.8

S.No.	Met subdivison/ States/ UTs/Districts	Winter	Pre-Monsoon	SW-Monsoon	Post-Monsoon	Annual
4	RAIGAD	0.0	1.7	3630.3	252.7	3884.7
5	RATNAGIRI	0.0	30.1	3937.0	326.0	4293.1
6	SINDHUDURG	0.0	17.7	4493.0	422.2	4933.0
7	THANE	0.0	0.0	2902.3	125.7	3028.0
24	**MADHYA MAHARASHTRA**	0.0	32.5	969.3	180.8	1228.0
1	AHMEDNAGAR	0.0	21.5	854.4		
2	DHULE	0.0	0.4	787.1		
3	JALGAON	0.0	11.1	783.9	23.9	818.8
4	KOLHAPUR	0.0	80.2	2132.3	237.1	2449.6
5	NANDURBAR			944.0		
6	NASHIK	0.0	14.0	1094.3	94.6	1202.9
7	PUNE	0.0	37.2	1200.9	242.9	1481.0
8	SANGLI	0.1	77.3	649.7	274.0	1001.1
9	SATARA	0.0	35.2	904.2	195.5	1134.9
10	SHOLAPUR	0.0	39.6	601.2	236.3	877.1
25	**MARATHWADA**	3.0	32.7	867.2	108.6	1010.3
1	AURANGABAD	0.0	37.2	954.9	73.2	1065.2
2	BEED	0.0	35.0	826.0	116.7	977.7
3	HINGOLI	0.0	17.6	856.6		
4	JALNA	0.0	21.3	835.7	74.3	931.3
5	LATUR	6.0	16.2	908.8		
6	NANDED	5.2	22.8	883.1	75.2	986.2
7	OSMANABAD	0.0	87.2	751.5	230.4	1069.1
8	PARBHANI	15.7	16.7	906.6	103.6	1042.6
26	**VIDARBHA**	25.5	41.8	852.1	52.0	971.4
1	AKOLA	0.5	3.3	504.5	37.7	546.0
2	AMRAOTI	15.3	22.9	693.7	41.8	773.7
3	BHANDARA	72.1	43.9	1107.8	44.7	1268.5
4	BULDHANA	2.1	29.2	693.7	25.3	750.3
5	CHANDRAPUR	26.3	89.4	888.8	52.4	1056.9
6	GADCHIROLI	28.9	17.2	1155.9	77.3	1279.3
7	GONDIA	78.5	56.1	1120.9	59.7	1315.2
8	NAGPUR	44.0	70.1	984.1	45.5	1143.8
9	WARDHA	21.5	66.8	807.5	46.1	941.9
10	WASHIM	6.3	15.8	912.8	89.0	1023.8
11	YEOTMAL	18.1	41.4	613.3	51.3	724.1
27	**CHHATTISGARH**	69.0	119.6	1234.3	92.6	1515.5
1	BALOD	78.1	119.5	1020.6	54.4	1272.6
2	BALODA BAZAR	91.1	107.4	1058.3	47.3	1304.0
3	BALRAMPUR	41.9	180.8	1071.7	116.6	1410.9
4	BASTAR	29.0	122.9	1374.1	140.5	1666.5
5	BEMETARA	136.2	141.3	1076.4	27.0	1380.9
6	BIJAPUR	37.8	147.6	2271.1	193.9	2650.4

DISTRICT-WISE RAINFALL STATISTICS

S.No.	Met subdivison/ States/ UTs/Districts	Winter	Pre-Monsoon	SW-Monsoon	Post-Monsoon	Annual
7	BILASPUR	116.7	128.7	1181.6	65.6	1492.5
8	DANTEWADA	11.8	90.4	1509.4	159.7	1771.3
9	DHAMTARI	56.4	96.2	1121.6	65.9	1340.1
10	DURG	108.5	100.5	1000.5	43.8	1253.3
11	GARIABAND	53.7	123.5	1169.4	90.2	1436.8
12	JANJGIR	91.7	122.5	1291.6	90.1	1595.8
13	JASHPUR	73.5	202.9	1296.7	147.4	1720.4
14	KABIRDHAM	117.5	77.3	988.2	61.5	1244.5
15	KANKER	31.6	74.5	1023.6	46.8	1176.5
16	KONDAGAON	41.9	126.6	1487.2	78.8	1734.5
17	KORBA	103.6	143.3	1325.2	103.0	1675.1
18	KORIYA	43.0	105.0	1076.8	88.5	1313.2
19	MAHASAMUND	115.1	59.9	1259.9	60.8	1495.7
20	MUNGELI	90.8	89.3	904.9	43.8	1128.9
21	NARAYANPUR	76.5	26.5	1404.6	128.2	1635.7
22	RAIGARH	56.6	147.6	1206.6	48.1	1458.9
23	RAIPUR	105.5	119.7	1021.7	28.1	1275.0
24	RAJNANDGAON	67.3	85.3	946.1	39.9	1138.5
25	SUKMA	3.6	69.5	1526.3	165.8	1765.1
26	SURAJPUR	101.6	245.4	1304.3	113.9	1765.1
27	SURGUJA	73.2	155.4	822.8	112.9	1164.3
	ANDHRA PRADESH	19.8	75.2	738.2	387.3	1220.5
28	**COASTAL A. P. & YANAM**	31.1	82.3	725.3	419.3	1258.0
1	EAST GODAVARI	10.7	62.9	970.1	421.0	1464.7
2	GUNTUR	29.5	28.2	850.2	303.9	1211.7
3	KRISHNA	32.4	44.0	847.1	436.6	1360.1
4	NELLORE	50.5	71.8	555.3	802.2	1479.9
5	PRAKASAM	27.0	55.4	554.4	323.9	960.7
6	SRIKAKULAM	41.8	148.3	558.5	305.4	1054.1
7	VISHAKHAPATNAM	32.8	181.4	596.6	363.7	1174.5
8	VIZIANAGARAM	39.8	175.5	677.0	299.3	1191.6
9	WEST GODAVARI	18.8	39.5	1090.3	403.6	1552.2
10	YANAM	15.4	133.2	909.6	879.2	1937.4
29	**RAYALASEEMA**	4.3	65.4	756.1	343.2	1169.0
1	ANANTAPUR	0.3	61.5	625.2	193.3	880.3
2	CHITTOOR	14.6	85.1	751.4	569.1	1420.1
3	CUDDAPAH	3.9	53.3	843.6	477.7	1378.5
4	KURNOOL	0.0	63.3	825.9	194.9	1084.0
30	**TELANGANA**	13.9	61.1	1095.8	179.5	1350.3
1	ADILABAD	28.4	88.2	1011.4	69.4	1197.4
2	B. KOTHAGUDEM	2.5	82.8	1646.0	210.4	1941.7
3	HYDERABAD	24.2	66.6	788.5	390.7	1269.9
4	J. BHUPALPALLY	19.8	42.3	1442.5	109.9	1614.5

DISTRICT-WISE RAINFALL STATISTICS

S.No.	Met subdivison/ States/ UTs/Districts	Winter	Pre-Monsoon	SW-Monsoon	Post-Monsoon	Annual
5	JAGTIAL	26.2	55.1	915.7	113.9	1111.0
6	JANGAON	13.5	37.8	1215.7	235.4	1502.5
7	JOGULAMBA GADWAL	0.8	31.5	877.7	209.1	1119.1
8	KAMAREDDY	31.2	87.0	1085.0	125.9	1329.1
9	KARIMNAGAR	14.4	54.0	1276.2	145.8	1490.5
10	KHAMMAM	11.1	35.4	1098.4	250.8	1395.7
11	KUMARAM BHEEM	24.1	111.9	1090.4	111.6	1338.0
12	M. MALKAJGIRI	2.1	46.2	886.0	268.6	1202.8
13	MAHABUBABAD	4.4	44.4	1667.3	265.3	1981.5
14	MAHABUBNAGAR	8.4	54.2	1062.9	152.5	1277.9
15	MANCHERIAL	22.0	85.6	1108.1	64.9	1280.6
16	MEDAK	12.6	88.8	929.1	180.7	1211.2
17	MULUGU	46.6	48.7	2042.0	155.0	2292.3
18	NAGARKURNOOL	2.1	41.1	944.5	192.3	1180.1
19	NALGONDA	21.5	52.7	641.6	231.8	947.5
20	NARAYANPET	11.0	68.5	1093.6	168.1	1341.2
21	NIRMAL	12.6	41.9	819.1	82.9	956.4
22	NIZAMABAD	23.1	37.2	963.8	68.0	1092.2
23	PEDDAPALLE	22.5	42.0	1184.9	105.3	1354.7
24	RAJANNA SIRCILLA	14.5	63.9	1157.8	119.9	1355.9
25	RANGAREDDY	8.6	64.2	739.5	257.7	1070.0
26	SANGAREDDY	2.2	72.5	811.7	275.0	1161.4
27	SIDDIPET	9.5	81.5	1199.5	215.2	1505.6
28	SURYAPET	15.6	28.7	784.8	166.3	995.4
29	VIKARABAD	0.8	62.6	931.7	225.8	1220.9
30	WANAPARTHY	4.2	46.8	1127.1	196.1	1374.3
31	WARANGAL_RURAL	9.1	75.1	1696.8	205.3	1986.3
32	WARANGAL_URBAN	11.1	71.5	1536.5	201.6	1820.6
33	Y. BHUVANAGIRI	3.3	80.2	800.6	290.6	1174.7
31	**TAMIL. PUDU.& KARAIKAL**	9.9	75.9	425.6	477.0	988.4
	TAMILNADU	9.9	76.0	425.8	474.5	986.2
1	ARIYALUR	24.2	31.1	472.3	536.3	1063.9
2	CHENGALPATTU	54.5	15.4	406.8	829.9	1306.6
3	CHENNAI	40.8	53.3	464.6	1040.8	1599.5
4	COIMBATORE	1.1	168.2	1112.6	303.8	1585.7
5	CUDDALORE	27.6	9.0	331.3	946.4	1314.2
6	DHARMAPURI	0.4	131.4	495.3	291.3	918.4
7	DINDIGUL	1.8	87.5	473.8	395.9	959.0
8	ERODE	0.0	76.7	337.3	215.8	629.7
9	KALLAKURICHI	7.2	17.6	262.9	615.4	903.0
10	KANCHEEPURAM	46.0	12.7	412.8	763.0	1234.5
11	KANYAKUMARI	6.3	267.7	504.6	320.9	1099.5
12	KARUR	0.1	36.8	387.3	260.3	684.5

DISTRICT-WISE RAINFALL STATISTICS

S.No.	Met subdivison/ States/ UTs/Districts	Winter	Pre-Monsoon	SW-Monsoon	Post-Monsoon	Annual
13	KRISHNAGIRI	0.3	126.4	415.1	261.6	803.4
14	MADURAI	3.0	60.0	405.2	457.2	925.4
15	NAGAPATTINAM	20.9	4.7	362.8	1038.3	1426.6
16	NAMAKKAL	0.0	50.6	357.4	219.7	627.7
17	NILGIRIS	22.2	120.0	1373.8	369.6	1885.7
18	PERAMBALUR	5.3	125.8	480.9	506.3	1118.2
19	PUDUKKOTTAI	1.0	57.7	451.8	436.1	946.6
20	RAMANATHAPURAM	15.0	78.3	193.3	572.2	858.8
21	RANIPET	18.8	37.0	556.4	488.3	1100.4
22	SALEM	1.1	113.5	558.2	293.6	966.5
23	SIVAGANGA	4.7	127.9	416.6	562.8	1112.0
24	THANJAVUR	19.0	54.7	315.7	581.8	971.2
25	THENI	0.1	133.4	432.6	356.1	922.3
26	THENKASI	13.7	201.9	183.2	432.9	831.7
27	TIRUNELVELI	20.8	66.0	164.5	477.4	728.8
28	TIRUPATTUR	5.0	92.8	668.1	388.7	1154.7
29	TIRUPPUR	0.2	97.3	325.1	332.5	755.1
30	TIRUVALLUR	32.4	29.5	453.8	714.6	1230.3
31	TIRUVANNAMALAI	8.7	4.1	402.4	627.5	1042.8
32	TIRUVARUR	26.5	41.7	401.7	833.8	1303.7
33	TOOTHUKUDI	11.4	18.7	56.4	481.6	568.2
34	TRICHY	6.8	62.7	452.8	275.2	797.4
35	VELLORE	11.7	64.2	561.5	412.2	1049.5
36	VILLUPURAM	9.3	0.8	374.9	802.4	1187.4
37	VIRUDHUNAGAR	7.7	113.0	230.1	509.5	860.3
	PUDUCHERRY (UT)	16.5	56.5	442.1	1178.9	1693.9
1	KARAIKAL	7.3	56.0	455.6	1159.1	1678.0
2	MAHE	2.0	234.8	3425.4	311.5	3973.7
3	PUDUCHERRY	22.1	43.4	295.2	1247.1	1607.8
4	YANAM	15.4	133.2	909.6	879.2	1937.4
	KARNATAKA	0.6	148.7	1063.9	205.9	1419.1
32	**COASTAL KARNATAKA**	0.6	170.8	3681.9	332.7	4185.9
1	DAKSHINA KANNADA	2.2	256.8	3445.0	453.0	4157.0
2	UDUPI	0.0	145.9	4877.7	431.3	5454.9
3	UTTARA KANNADA	0.0	139.1	3375.3	241.5	3755.9
33	**N. I. KARNATAKA**	0.7	110.9	739.6	179.5	1030.7
1	BAGALKOTE	0.0	82.3	615.0	210.0	907.3
2	BELAGAVI	0.0	122.8	887.8	182.3	1192.9
3	BIDAR	5.6	105.4	927.8	214.7	1253.4
4	DHARWAD	0.0	148.4	748.2	134.4	1031.0
5	GADAG	0.0	171.4	533.2	164.0	868.6
6	HAVERI	0.0	141.2	541.6	117.8	800.6
7	KALABURGI	0.7	84.2	965.4	221.0	1271.3

DISTRICT-WISE RAINFALL STATISTICS

S.No.	Met subdivison/ States/ UTs/Districts	Winter	Pre-Monsoon	SW-Monsoon	Post-Monsoon	Annual
8	KOPPAL	0.0	152.1	618.9	210.2	981.2
9	RAICHUR	0.0	94.3	663.7	168.7	926.7
10	VIJAYAPURA	2.0	106.1	586.0	147.6	841.7
11	YADGIR	0.1	25.1	788.3	142.1	955.6
34	S. I. KARNATAKA	0.4	176.7	816.2	203.1	1196.4
1	BALLARI	0.0	94.7	568.7	181.1	844.5
2	BENGALURU RURAL	0.0	188.4	717.8	179.8	1086.0
3	BENGALURU URBAN	0.1	206.8	584.0	261.0	1051.8
4	CHAMARAJANAGAR	0.0	204.4	453.7	233.3	891.4
5	CHIKABALLAPURA	0.0	158.3	615.4	247.5	1021.2
6	CHIKKAMAGALURU	0.0	203.0	1652.6	214.1	2069.7
7	CHITRADURGA	0.4	134.4	501.9	173.1	809.8
8	DAVANGERE	1.0	160.2	498.9	187.4	847.5
9	HASSAN	0.2	221.4	689.6	198.8	1110.0
10	KODAGU	0.0	331.3	2345.1	212.7	2889.1
11	KOLAR	0.0	171.6	701.2	331.3	1204.2
12	MANDYA	0.0	255.8	385.0	245.7	886.4
13	MYSURU	4.3	198.3	476.0	147.8	826.3
14	RAMANAGARA	0.0	239.6	540.1	261.9	1041.6
15	SHIVAMOGGA	0.1	137.7	1656.9	194.6	1989.3
16	TUMAKURU	0.0	123.7	578.2	154.6	856.5
35	KERALA & MAHE	9.6	387.3	2227.8	365.2	2990.0
	KERALA	9.6	387.4	2227.6	365.2	2989.7
1	ALAPUZHA	13.7	517.8	1855.9	416.1	2803.5
2	CANNUR	1.0	214.8	3365.9	344.5	3926.2
3	ERNAKULAM	36.9	431.6	2256.3	433.3	3158.1
4	IDUKKI	4.5	449.2	2470.3	507.6	3431.6
5	KASARGOD	2.1	126.7	3605.6	394.0	4128.4
6	KOLLAM	17.6	515.2	1352.5	434.3	2319.7
7	KOTTAYAM	10.7	652.0	2329.6	453.8	3446.0
8	KOZHIKODE	0.0	339.6	3440.3	378.6	4158.6
9	MALAPPURAM	0.3	242.7	1987.2	200.9	2431.1
10	PALAKKAD	0.0	174.7	1705.6	220.0	2100.3
11	PATHANAMTHITTA	11.4	856.0	1836.4	533.2	3237.0
12	THIRUVANANTHAPURAM	51.1	592.2	1153.6	346.6	2143.6
13	THRISSUR	0.0	266.4	1999.7	295.5	2561.5
14	WYNAD	2.3	286.9	2082.3	239.9	2611.4
1	MAHE	2.0	234.8	3425.4	311.5	3973.7
36	LAKSHADWEEP	8.1	237.3	1345.4	294.0	1884.7

Table 23: % Departures of District-wise seasonal and annual rainfall – 2019

S.No.	Met. SubDivision/ States/ UTs/ Districts	Winter	Pre-Monsoon	SW-Monsoon	Post-Monsoon	Annual
1	**A & N ISLAND**	**-92%**	**-43%**	**4%**	**27%**	**-1%**
1	NICOBAR	**-83%**	**-44%**	**24%**	**-19%**	**-10%**
2	NORTH & MIDDLE ANDAMAN	**-100%**	**-34%**	**14%**	**71%**	**16%**
3	SOUTH ANDAMAN	**-99%**	**-51%**	**-15%**	**24%**	**-14%**
2	**ARUNACHAL PRADESH**	**-33%**	**-22%**	**14%**	**-8%**	**3%**
1	ANJAW	**-9%**	**-33%**	**-29%**	**-38%**	**-30%**
2	CHANGLANG	**-46%**	**-43%**	**16%**	**8%**	**-4%**
3	DIBANG VALLEY			**24%**	**-19%**	
4	EAST KAMENG	**-55%**	**-53%**	**10%**	**-1%**	**-9%**
5	EAST SIANG	**-21%**	**7%**	**49%**	**-16%**	**35%**
6	KURUNG KUMEY			**2%**	**34%**	
7	LOHIT	**-64%**	**-59%**	**21%**	**-38%**	**-16%**
8	LOWER DIBANG VALLEY	**-54%**	**-18%**	**151%**	**-30%**	**60%**
9	LOWER SUBANSIRI	**-46%**	**3%**	**-38%**	**-41%**	**-27%**
10	PAPUMPARA	**3%**	**-28%**	**17%**	**30%**	**6%**
11	TAWANG	**-100%**	**8%**	**-47%**	**-75%**	**-41%**
12	TIRAP	**-63%**		**-38%**	**-20%**	
13	UPPER SIANG	**28%**	**-8%**	**6%**	**96%**	**12%**
14	UPPER SUBANSIRI	**-56%**	**-2%**	**8%**	**-7%**	**0%**
15	WEST KAMENG	**-14%**	**27%**	**-22%**	**-31%**	**-14%**
16	WEST SIANG	**11%**	**1%**	**6%**	**-27%**	**2%**
3	**ASSAM & MEGHALAYA**	**-25%**	**13%**	**21%**	**9%**	**18%**
	ASSAM	**-36%**	**-10%**	**11%**	**17%**	**6%**
1	BAKSA	**-40%**	**27%**	**90%**	**-27%**	**61%**
2	BARPETA	**4%**	**14%**	**39%**	**-22%**	**30%**
3	BONGAIGAON	**-69%**	**-1%**	**3%**	**-31%**	**-1%**
4	CACHAR	**-58%**	**-40%**	**1%**	**51%**	**-8%**
5	CHIRANG	**-17%**	**24%**	**89%**	**-41%**	**65%**
6	DARRANG	**-70%**	**-69%**	**-60%**	**-70%**	**-64%**
7	DHEMAJI	**-57%**	**51%**	**101%**	**195%**	**91%**
8	DHUBRI	**-70%**	**31%**	**16%**	**-25%**	**15%**
9	DIBRUGARH	**-14%**	**-20%**	**-6%**	**44%**	**-6%**
10	GOALPARA	**-42%**	**71%**	**-5%**	**-51%**	**10%**
11	GOLAGHAT	**-46%**	**-23%**	**-14%**	**31%**	**-14%**
12	HAILAKANDI	**-21%**	**-47%**	**5%**	**80%**	**-5%**
13	JORHAT	**-5%**	**-11%**	**11%**	**34%**	**7%**
14	KAMRUP (RURAL)	**-14%**	**17%**	**17%**	**-54%**	**11%**
15	KAMRUP METRO.	**79%**	**49%**	**27%**	**-35%**	**30%**
16	KARBI ANGLONG	**-81%**	**-33%**	**-9%**	**72%**	**-8%**
17	KARIMGANJ	**-66%**	**-49%**	**17%**	**57%**	**-1%**

DISTRICT-WISE RAINFALL STATISTICS

S.No.	Met. SubDivision/ States/ UTs/ Districts	Winter	Pre-Monsoon	SW-Monsoon	Post-Monsoon	Annual
18	KOKRAJHAR	-31%	20%	52%	-6%	41%
19	LAKHIMPUR	12%	-18%	10%	54%	7%
20	MORIGAON	-11%	-24%	-31%	57%	-22%
21	N. C. HILLS	-89%	-19%	-5%	-58%	-17%
22	NAGAON	-50%	-31%	-48%	28%	-38%
23	NALBARI	-20%	25%	42%	-35%	32%
24	SHONITPUR	19%	-14%	-15%	23%	-12%
25	SIBSAGAR	-7%	-16%	14%	20%	6%
26	TINSUKIA	-40%	-30%	27%	47%	11%
27	UDALGURI	18%		-5%	-10%	
	MEGHALAYA	24%	71%	40%	-5%	42%
1	EAST GARO HILLS	133%	96%	164%	-27%	131%
2	EAST KHASI HILLS	22%	58%	76%	46%	70%
3	JAINTIA HILLS	-53%	75%	-5%	-51%	2%
4	RI-BHOI	73%	60%	36%	95%	49%
5	SOUTH GARO HILLS	45%	7%	96%	41%	71%
6	WEST GARO HILLS	-20%	42%	3%	-69%	7%
7	WEST KHASI HILLS	116%	114%	36%	32%	50%
4	**NMMT**	17%	-37%	-32%	-1%	-29%
	NAGALAND	5%	-26%	-26%	25%	-20%
1	DIMAPUR	-53%	-48%	-47%	-9%	-44%
2	KEPHIRE	98%	3%	26%	49%	25%
3	KOHIMA	-45%	-19%	-32%	1%	-27%
4	LONGLENG			-51%	-35%	
5	MOKOKCHUNG	37%	-16%	-17%	72%	-8%
6	MON	-17%	-38%	-21%	-86%	-30%
7	PAREN	12%	-65%	-29%	-52%	-39%
8	PHEK	34%	-9%	22%	55%	20%
9	TUENSANG	11%	-39%	-53%	34%	-41%
10	WOKHA	-15%	-38%	-52%	2%	-44%
11	ZUNHEBOTO	3%	-34%	-3%	77%	-4%
	MANIPUR	1%	-40%	-47%	-17%	-41%
1	BISHNUPUR	-45%	-19%	-41%	-16%	-34%
2	CHANDEL	-61%	-78%	-90%	-82%	-88%
3	CHURACHANDPUR	-14%	-46%	-56%	-24%	-50%
4	IMPHAL EAST	15%	-54%	-46%	-6%	-43%
5	IMPHAL WEST	-77%	-18%	32%	-1%	13%
6	SENAPATI	5%	-24%	-20%	13%	-16%
7	TAMENGLONG			-59%	-38%	
8	THOUBAL	11%	-40%	-20%	21%	-20%
9	UKHRUL	58%	-15%	-6%	34%	-1%
	MIZORAM	68%	-54%	-33%	-11%	-34%

DISTRICT-WISE RAINFALL STATISTICS

S.No.	Met. SubDivision/ States/ UTs/ Districts	Winter	Pre-Monsoon	SW-Monsoon	Post-Monsoon	Annual
1	AIZWAL	60%	-43%	-47%	11%	-38%
2	CHAMPHAI	-96%	-64%	-46%	-40%	-50%
4	KOLASIB	24%	-46%	-28%	47%	-24%
5	LAWNGTLAI	158%	-28%	-5%	7%	-6%
6	LUNGLEI	138%	-53%	-29%	-61%	-35%
7	MAMIT	163%	-76%	-29%	2%	-39%
8	SAIHA	157%	-39%	-34%	44%	-24%
9	SERCHHIP	-83%	-72%	-51%	-5%	-52%
	TRIPURA	-21%	-14%	-11%	16%	-9%
1	DHALAI	-16%	-5%	-13%	-14%	-10%
2	NORTH TRIPURA	-48%	-12%	-16%	52%	-9%
3	SOUTH TRIPURA	35%	-11%	-17%	34%	-11%
4	WEST TRIPURA	-35%	-28%	2%	0%	-7%
5	**SHWB & SIKKIM**	6%	13%	37%	-36%	27%
	SIKKIM	-19%	9%	50%	-15%	32%
		0%	0%	0%	0%	0%
1	EAST SIKKIM	-5%	-23%	25%	-60%	7%
2	NORTH SIKKIM	-17%	31%	80%	10%	55%
3	SOUTH SIKKIM	-53%	-37%	41%	-73%	13%
4	WEST SIKKIM	-9%	-41%	-21%	-57%	-27%
	WEST BENGAL	24%	65%	6%	-45%	10%
1	COOCH BEHAR	-52%	2%	35%	-27%	26%
2	DARJEELING	97%	-9%	31%	-44%	22%
3	JALPAIGURI	17%	6%	49%	-38%	38%
4	MALDA	97%	57%	12%	-62%	11%
5	NORTH DINAJPUR	74%	31%	5%	-65%	4%
6	SOUTH DINAJPUR	28%	101%	8%	-51%	17%
6	**GANGETIC WEST BENGAL**	20%	100%	-10%	-45%	1%
1	BANKURA	-16%	153%	-8%	-57%	3%
2	BIRBHUM	-21%	85%	-2%	-72%	1%
3	BURDWAN	3%	159%	3%	-26%	17%
4	EAST MIDNAPORE	56%	173%	-23%	4%	4%
5	HOOGHLY	-15%	85%	-8%	-25%	2%
6	HOWRAH	-30%		-21%	-65%	
7	KOLKATA	21%	119%	-1%	-34%	10%
8	MURSHIDABAD	2%	26%	7%	-66%	2%
9	NADIA	14%	64%	3%	-39%	8%
10	NORTH 24 PARGANAS	18%	130%	2%	-63%	13%
11	PURULIA	26%	109%	-3%	-47%	4%
12	SOUTH 24 PARGANAS	39%	65%	-24%	-57%	-16%
13	WEST MIDNAPORE	52%	100%	-19%	-30%	-2%
7	**ODISHA**	116%	107%	-1%	27%	13%

DISTRICT-WISE RAINFALL STATISTICS

S.No.	Met. SubDivision/ States/ UTs/ Districts	Winter	Pre-Monsoon	SW-Monsoon	Post-Monsoon	Annual
1	ANGUL	312%	135%	12%	78%	32%
2	BALASORE	50%	102%	-24%	-8%	-4%
3	BARGARH	365%	260%	8%	-25%	22%
4	BHADRAK	66%	113%	4%	24%	21%
5	BOLANGIR	136%	63%	-11%	-13%	-4%
6	BOUDHGARH	262%	185%	12%	44%	30%
7	CUTTACK	107%	137%	-12%	38%	10%
8	DEOGARH	298%	259%	17%	80%	40%
9	DHENKANAL	200%	135%	9%	-4%	24%
10	GAJAPATI	78%	-16%	-23%	51%	-9%
11	GANJAM	89%	50%	-12%	54%	10%
12	JAGATSINGHPUR	35%	192%	-6%	34%	21%
13	JAJPUR	55%	90%	-20%	12%	-3%
14	JHARSUGUDA	78%	386%	25%	-40%	39%
15	KALAHANDI	58%	90%	-11%	76%	1%
16	KANDHAMAL	83%	80%	-4%	12%	8%
17	KENDRAPARA	-7%	158%	-1%	52%	23%
18	KEONJHARGARH	134%	116%	3%	-27%	17%
19	KHURDA	100%	68%	-28%	28%	-9%
20	KORAPUT	30%	103%	-1%	46%	13%
21	MALKANGIRI	-65%	59%	43%	86%	47%
22	MAYURBHANJ	81%	113%	-9%	-5%	9%
23	NAWAPARA	97%	174%	3%	-13%	14%
24	NAWARANGPUR	-49%	80%	-10%	-22%	-6%
25	NAYAGARH	63%	54%	-15%	31%	-1%
26	PURI	-6%	124%	-25%	42%	-2%
27	RAYAGADA	70%	19%	-4%	60%	8%
28	SAMBALPUR	193%	146%	3%	63%	18%
29	SONEPUR	621%	228%	-6%	62%	18%
30	SUNDARGARH	107%	275%	12%	-18%	26%
8	**JHARKHAND**	46%	160%	-15%	-26%	-3%
1	BOKARO	46%	164%	-28%	-40%	-14%
2	CHATRA	27%	229%	-33%	-30%	-22%
3	DEOGHAR	151%	88%	-44%	-53%	-32%
4	DHANBAD	-30%	76%	-17%	-19%	-11%
5	DUMKA	51%	145%	7%	-70%	12%
6	EAST SINGBHUM	59%	143%	9%	7%	23%
7	GARHWA	-31%	176%	-25%	-78%	-22%
8	GIRIDIH	21%	148%	-8%	-56%	-1%
9	GODDA	75%	99%	-15%	-66%	-10%
10	GUMLA	29%	112%	-50%	-59%	-38%
11	HAZARIBAG	40%	153%	-11%	-14%	0%

DISTRICT-WISE RAINFALL STATISTICS

S.No.	Met. SubDivision/ States/ UTs/ Districts	Winter	Pre-Monsoon	SW-Monsoon	Post-Monsoon	Annual
12	JAMTARA	-36%	124%	-31%	-93%	-25%
13	KHUNTI	2%	240%	-26%	-47%	-13%
14	KODERMA	-19%	169%	2%	-27%	8%
15	LATEHAR	100%	423%	14%	154%	39%
16	LOHARDAGA	114%	181%	-9%	109%	17%
17	PAKUR	47%	74%	-30%	-67%	-23%
18	PALAMU	84%	463%	13%	89%	32%
19	RAMGARH	50%	157%	15%	16%	25%
20	RANCHI	14%	74%	-16%	-45%	-11%
21	SAHIBGANJ	23%	141%	0%	-98%	4%
22	SERAIKELA-KHARSAWAN	2%	203%	-30%	-5%	-11%
23	SIMDEGA	122%	341%	-8%	35%	15%
24	WEST SINGBHUM	92%	156%	-16%	-20%	2%
9	**BIHAR**	81%	123%	25%	-59%	28%
1	ARARIA	37%	43%	45%	-85%	38%
2	ARWAL	2%	111%	-14%	-80%	-13%
3	AURANGABAD	49%	215%	-6%	-50%	1%
4	BANKA	233%	122%	7%	-54%	15%
5	BEGUSARAI	33%	227%	3%	10%	17%
6	BHABUA	-32%	201%	-22%	-54%	-17%
7	BHAGALPUR	92%	181%	23%	-23%	34%
8	BHOJPUR	17%	141%	10%	-85%	9%
9	BUXAR	-24%	135%	24%	-53%	22%
10	DARBHANGA	-24%	128%	59%	-56%	55%
11	EAST CHAMPARAN	275%	92%	51%	-94%	49%
12	GAYA	24%	256%	-9%	-33%	-1%
13	GOPALGANJ	57%	230%	59%	-96%	60%
14	JAHANABAD	171%	289%	16%	-80%	24%
15	JAMUI	55%	318%	-3%	22%	13%
16	KATIHAR	119%	63%	39%	-39%	38%
17	KHAGARIA	111%	127%	10%	-39%	16%
18	KISHANGANJ	70%	75%	32%	-65%	33%
19	LAKHISARAI	179%	345%	21%	-29%	34%
20	MADHEPURA	22%	62%	34%	-61%	31%
21	MADHUBANI	32%	74%	38%	-89%	33%
22	MONGHYR	-52%	70%	17%	-56%	14%
23	MUZAFFARPUR	79%	166%	46%	-89%	47%
24	NALANDA	122%	252%	7%	-53%	17%
25	NAWADA	-17%	147%	13%	-32%	15%
26	PATNA	4%	191%	17%	-39%	22%
27	PURNEA	20%	119%	36%	-60%	39%
28	ROHTAS	92%	347%	-8%	-47%	3%

DISTRICT-WISE RAINFALL STATISTICS

S.No.	Met. SubDivision/ States/ UTs/ Districts	Winter	Pre-Monsoon	SW-Monsoon	Post-Monsoon	Annual
29	SAHARSA	30%	-21%	-20%	-49%	-21%
30	SAMASTIPUR	-7%	178%	42%	-73%	43%
31	SARAN	35%	204%	32%	-40%	35%
32	SHEIKHPURA	-13%	125%	-20%	-84%	-18%
33	SHEOHAR	127%	68%	49%	-92%	44%
34	SITAMARHI	117%	117%	45%	-96%	43%
35	SIWAN	28%	226%	26%	-98%	27%
36	SUPAUL	57%	31%	58%	-65%	48%
37	VAISHALI	131%	187%	14%	-67%	20%
38	WEST CHAMPARAN	355%	77%	58%	-94%	57%
	UTTAR PRADESH	56%	200%	-18%	-81%	-11%
10	**EAST UTTAR PRADESH**	61%	202%	-7%	-81%	-2%
1	ALLAHABAD	-29%	305%	-8%	-82%	-5%
2	AMBEDKAR NAGAR	20%	144%	55%	-49%	54%
3	AMETHI	86%	212%	-15%	-47%	-8%
4	AZAMGARH	-27%	114%	-5%	-87%	-5%
5	BAHRAICH	139%	178%	-5%	-89%	5%
6	BALLIA	-50%	72%	9%	-89%	5%
7	BALRAMPUR	249%	176%	24%	-90%	31%
8	BANDA	62%	243%	-12%	-97%	-7%
9	BARABANKI	242%	308%	26%	-71%	36%
10	BASTI	317%	445%	94%	-92%	103%
11	CHANDAULI	-81%	169%	-32%	-87%	-30%
12	CHITRAKOOT	-11%	930%	61%	-48%	71%
13	DEORIA	42%	212%	25%	-99%	27%
14	FAIZABAD	195%	255%	-13%	-86%	-3%
15	FARRUKHABAD	-14%	143%	-48%	-67%	-42%
16	FATEHPUR	16%	291%	-35%	-100%	-29%
17	GHAZIPUR	-62%	150%	-15%	-96%	-15%
18	GONDA	341%	406%	-9%	-89%	6%
19	GORAKHPUR	81%	110%	21%	-90%	20%
20	HARDOI	-6%	101%	-51%	-75%	-45%
21	JAUNPUR	-77%	59%	-35%	-93%	-36%
22	KANNAUJ	36%	223%	-27%	-31%	-17%
23	KANPUR CITY	321%	740%	-9%	-63%	7%
24	KANPUR DEHAT	62%	191%	-60%	-80%	-54%
25	KAUSHAMBI	-30%	133%	-60%	-100%	-58%
26	KHERI	63%	119%	-11%	-93%	-6%
27	KUSHI NAGAR	23%	-30%	-20%	-100%	-23%
28	LUCKNOW	152%	387%	-30%	-51%	-12%
29	MAHARAJGANJ	121%	42%	-2%	-100%	-2%
30	MAU	-93%	112%	-33%	-100%	-34%

DISTRICT-WISE RAINFALL STATISTICS

S.No.	Met. SubDivision/ States/ UTs/ Districts	Winter	Pre-Monsoon	SW-Monsoon	Post-Monsoon	Annual
31	MIRZAPUR	0%	358%	-6%	-78%	0%
32	PRATAPGARH	1%	325%	9%	-100%	11%
33	RAE BAREILLY	5%	384%	-36%	-92%	-32%
34	SANT KABIR NAGAR	166%	54%	32%	-85%	31%
35	SANT RAVIDAS NAGAR	67%	530%	24%	-100%	35%
36	SHRAWASTI NAGAR		33%	-10%	-93%	
37	SIDDHARTH NAGAR	197%	100%	26%	-99%	27%
38	SITAPUR	10%	85%	-32%	-79%	-29%
39	SONBHADRA	-21%	422%	-9%	-6%	2%
40	SULTANPUR	73%	343%	17%	-75%	23%
41	UNNAO	112%	227%	-52%	-87%	-41%
42	VARANASI	-23%	357%	-3%	-51%	4%
11	WEST UTTAR PRADESH	51%	197%	-37%	-83%	-27%
1	AGRA	-4%	216%	-45%	-57%	-36%
2	ALIGARH	40%	421%	-43%	-67%	-23%
3	AURAIYA	48%	175%	-39%	-78%	-32%
4	BADAUN	55%	151%	-44%	-90%	-35%
5	BAGHPAT	4%	227%	-47%	-100%	-28%
6	BAREILLY	150%	391%	-20%	-93%	-1%
7	BIJNOR	94%	166%	-8%	-79%	4%
8	BULANDSHAHAR	-11%	154%	-63%	-97%	-54%
9	ETAH	23%	185%	-32%	12%	-20%
10	ETAWAH	93%	216%	-29%	-51%	-20%
11	FIROZABAD	-9%	469%	-32%	-37%	-16%
12	GAUTAM BUDDHA NAGAR	-66%	-11%	-87%	-93%	-84%
13	GHAZIABAD	-46%	190%	-71%	-84%	-60%
14	HAMIRPUR	48%	286%	-9%	-96%	-5%
15	HAPUR	77%	180%	-47%	-90%	-30%
16	JALAUN	58%	89%	-42%	-100%	-41%
17	JHANSI	20%	59%	-34%	-97%	-34%
18	JYOTIBA PHULE NAGAR	-15%	149%	-56%	-99%	-47%
19	KANSHIRAM NAGAR	58%	166%	-43%	-84%	-35%
20	LALITPUR	49%	-39%	-28%	-81%	-28%
21	MAHAMAYA NAGAR	123%	229%	-37%	-51%	-23%
22	MAHOBA	-40%	156%	-51%	-92%	-49%
23	MAINPURI	31%	346%	-40%	-72%	-26%
24	MATHURA	-4%	104%	-66%	-86%	-58%
25	MEERUT	16%	102%	-49%	-73%	-39%
26	MORADABAD	123%	211%	-26%	-100%	-13%
27	MUZAFFARNAGAR	101%	409%	-19%	-93%	5%
28	PILIBHIT	121%	140%	-33%	-99%	-24%
29	RAMPUR	52%	82%	-61%	-100%	-53%

DISTRICT-WISE RAINFALL STATISTICS

S.No.	Met. SubDivision/ States/ UTs/ Districts	Winter	Pre-Monsoon	SW-Monsoon	Post-Monsoon	Annual
30	SAHARANPUR	33%	177%	-8%	-55%	4%
31	SAMBHAL	114%	271%	-35%	-95%	-24%
32	SHAHJAHANPUR	-24%	131%	-47%	-86%	-39%
33	SHAMLI	-13%	153%	-47%	-100%	-36%
12	**UTTARAKHAND**	68%	55%	-20%	-71%	-8%
1	ALMORA	73%	45%	-29%	-94%	-15%
2	BAGESHWAR	66%	109%	136%	-88%	118%
3	CHAMOLI	36%	0%	9%	-73%	6%
4	CHAMPAWAT	108%	31%	-52%	-99%	-41%
5	DEHRADUN	105%	101%	-26%	-29%	-10%
6	GARHWAL PAURI	97%	77%	-48%	-80%	-31%
7	GARHWAL TEHRI	121%	70%	-29%	-65%	-8%
8	HARDWAR	68%	227%	-18%	-5%	2%
9	NAINITAL	146%	110%	-33%	-94%	-16%
10	PITHORAGARH	84%	25%	0%	-97%	4%
11	RUDRAPRAYAG	50%	49%	-34%	-73%	-20%
12	UDHAM SINGH NAGAR	159%	206%	-3%	-93%	10%
13	UTTARKASHI	2%	55%	-48%	-22%	-30%
13	**HAR. CHD & DELHI**	-4%	201%	-14%	-57%	0%
	HARYANA	-3%	205%	-14%	-56%	1%
1	AMBALA	-12%	177%	-36%	-47%	-20%
2	BHIWANI	-59%	160%	-43%	-89%	-30%
3	FARIDABAD	19%	240%	-2%	-86%	11%
4	FATEHABAD	15%	100%	2%	-88%	9%
5	GURGAON	-35%	73%	1%	-96%	1%
6	HISAR	-23%	136%	-20%	-37%	-6%
7	JHAJJAR	-31%	121%	-3%	-93%	2%
8	JIND	-53%	173%	-29%	-41%	-16%
9	KAITHAL	-5%	391%	35%	9%	56%
10	KARNAL	48%	285%	29%	4%	46%
11	KURUKSHETRA	30%	235%	9%	16%	28%
12	MAHENDRAGARH	-84%	180%	-37%	-100%	-26%
13	MEWAT	-67%	323%	-10%	-92%	2%
14	PALWAL	-4%	569%	-25%	-62%	1%
15	PANCHKULA	-42%	52%	-65%	-73%	-56%
16	PANIPAT	56%	229%	-23%	-68%	-4%
17	REWARI	-3%	403%	-26%	-95%	-3%
18	ROHTAK	-54%	87%	-57%	-93%	-46%
19	SIRSA	53%	204%	43%	-29%	59%
20	SONEPAT	30%	378%	-11%	-86%	17%
21	YAMUNA NAGAR	62%	138%	-17%	-20%	0%
	CHANDIGARH (UT)	-37%	109%	-7%	-42%	-2%

DISTRICT-WISE RAINFALL STATISTICS

S.No.	Met. SubDivision/ States/ UTs/ Districts	Winter	Pre-Monsoon	SW-Monsoon	Post-Monsoon	Annual
	DELHI	-16%	100%	-20%	-96%	-2%
1	CENTRAL DELHI	3%		-63%	-79%	
2	EAST DELHI	-18%	168%	-26%	-86%	-17%
3	NEW DELHI	4%	36%	-12%	-96%	-8%
4	NORTH DELHI	27%	130%	5%	-85%	16%
5	NORTH EAST DELHI	-1%	246%	-38%	-100%	-23%
6	NORTH WEST DELHI	-66%		-34%	-100%	
7	SOUTH DELHI	-26%	122%	-22%	-99%	-17%
8	SOUTH WEST DELHI	6%	40%	-3%	-96%	-2%
9	WEST DELHI	47%		-23%	-96%	
14	**PUNJAB**	9%	126%	-17%	-23%	-2%
1	AMRITSAR	23%	39%	-25%	-23%	-14%
2	BARNALA	16%	270%	3%	-50%	23%
3	BHATINDA	32%	162%	0%	-32%	16%
4	FARIDKOT	11%	151%	75%	-44%	72%
5	FATEHGARH SAHIB	-14%	337%	-16%	-44%	8%
6	FEROZEPUR	59%	103%	-17%	-49%	0%
7	GURDASPUR	23%	129%	0%	20%	16%
8	HOSHIARPUR	-32%	34%	-61%	-34%	-49%
9	JALANDHAR	-23%	92%	-40%	-1%	-24%
10	KAPURTHALA	-2%	238%	7%	79%	32%
11	LUDHIANA	-23%	156%	-31%	-30%	-14%
12	MANSA	-28%	130%	-55%	-52%	-39%
13	MOGA	54%	128%	-23%	43%	-1%
14	MUKTSAR	6%	80%	34%	-61%	32%
15	NAWANSHAHAR	13%	174%	-44%	-6%	-21%
16	PATIALA	-13%	242%	-30%	-32%	-7%
17	ROPAR	11%	56%	-4%	-6%	3%
18	SANGRUR	-6%	94%	11%	-60%	14%
19	SAS NAGAR (MOHALI)	-6%	71%	-15%	-39%	-9%
20	TARN TARAN	97%	228%	-47%	-12%	-4%
15	**HIMACHAL PRADESH**	-29%	11%	-26%	-16%	-19%
1	BILASPUR	14%	120%	9%	11%	23%
2	CHAMBA	-51%	27%	-55%	-26%	-37%
3	HAMIRPUR	-6%	97%	-20%	-25%	-7%
4	KANGRA	-13%	107%	-24%	-25%	-12%
5	KINNAUR	-28%	-48%	-54%	-28%	-43%
6	KULLU	18%	45%	5%	36%	20%
7	LAHAUL & SPITI	-59%	-50%	-73%	-16%	-57%
8	MANDI	2%	61%	-23%	-17%	-10%
9	SHIMLA	-13%	30%	-29%	-11%	-14%
10	SIRMAUR	53%	160%	-37%	0%	-17%

DISTRICT-WISE RAINFALL STATISTICS

S.No.	Met. SubDivision/ States/ UTs/ Districts	Winter	Pre-Monsoon	SW-Monsoon	Post-Monsoon	Annual
11	SOLAN	63%	105%	-21%	-7%	1%
12	UNA	-25%	130%	-10%	-12%	1%
16	J & K AND LADAKH	-27%	-1%	-25%	-19%	-19%
	JAMMU & KASHMIR(UT)	-27%	-1%	-25%	-19%	-19%
1	ANANTNAG	-20%	-33%	-27%	-34%	-29%
2	BADGAM	-43%	-19%	-34%	-57%	-33%
3	BANDIPORE	-71%	-16%	-66%	-37%	-44%
4	BARAMULA	-25%	-31%	-17%	-19%	-25%
5	DODA	-8%	14%	-39%	-56%	-18%
6	GANDERBAL	10%	4%	-2%	71%	12%
7	JAMMU	-8%	20%	-39%	-50%	-29%
8	KATHUA	-43%	18%	-25%	-51%	-23%
9	KISTWAR				-8%	
10	KULGAM	-29%	-9%	-36%	-58%	-28%
11	KUPWARA	29%	-13%	-33%	68%	3%
12	POONCH	-45%			53%	
13	PULWAMA	29%	-17%	-46%	-46%	-21%
14	RAJOURI	-37%	15%	-38%	-47%	-30%
15	RAMBAN	-33%	15%	-6%	-28%	-10%
16	REASI	-9%	54%	-11%	-4%	-3%
17	SAMBA	-44%		-14%	-41%	
18	SHOPIAN	-83%		-78%	-83%	
19	SRINAGAR	-40%	-11%	9%	-23%	-14%
20	UDHAMPUR	-59%	103%	-44%	0%	-21%
	LADAKH (UT)	-99%	-80%	-67%	-72%	-77%
1	KARGIL			-93%	-41%	
2	LADAKH (LEH)	-99%	-80%	-58%	-82%	-77%
	RAJASTHAN	-37%	133%	8%	-66%	10%
17	EAST RAJASTHAN	-71%	144%	-2%	-64%	-1%
1	AJMER	-100%	193%	5%	-59%	9%
2	ALWAR	-85%	240%	-28%	-87%	-18%
3	BANSWARA	-100%	-5%	23%	-72%	18%
4	BARAN	21%	37%	-21%	-72%	-22%
5	BHARATPUR	-41%	251%	-14%	-67%	-7%
6	BHILWARA	-97%	149%	-2%	-89%	-2%
7	BUNDI	-94%	150%	-28%	-21%	-25%
8	CHITTORGARH	-95%	120%	-7%	-9%	-5%
9	DAUSA	-100%	101%	-19%	-51%	-17%
10	DHOLPUR	36%	209%	-35%	-17%	-26%
11	DUNGARPUR	-100%	-49%	41%	-64%	36%
12	JAIPUR	-98%	162%	13%	-57%	15%
13	JHALAWAR	-46%	-5%	-6%	-96%	-11%

DISTRICT-WISE RAINFALL STATISTICS

S.No.	Met. SubDivision/ States/ UTs/ Districts	Winter	Pre-Monsoon	SW-Monsoon	Post-Monsoon	Annual
14	JHUNJHUNU	-86%	42%	-21%	-99%	-21%
15	KARAULI	-10%	121%	-18%	-30%	-15%
16	KOTA	-55%	82%	-15%	-94%	-17%
17	PRATAPGARH	-100%	21%	18%	-60%	14%
18	RAJSAMAND	-100%	231%	24%	-73%	25%
19	SAWAI MADHOPUR	-46%	157%	-14%	-24%	-11%
20	SIKAR	-91%	199%	12%	-90%	17%
21	SIROHI	-100%	21%	22%	-92%	18%
22	TONK	-56%	174%	-22%	-42%	-18%
23	UDAIPUR	-100%	128%	23%	-66%	22%
18	WEST RAJASTHAN	-7%	126%	27%	-68%	29%
1	BARMER	28%	68%	23%	-47%	23%
2	BIKANER	-9%	93%	-4%	-99%	3%
3	CHURU	-64%	122%	27%	-73%	29%
4	HANUMANGARH	25%	246%	-16%	-82%	9%
5	JAISALMER	110%	101%	55%	-98%	55%
6	JALORE	-100%	44%	43%	-23%	39%
7	JODHPUR	-41%	136%	60%	-23%	60%
8	NAGAUR	-100%	172%	26%	-90%	28%
9	PALI	-97%	212%	20%	-50%	23%
10	SRI GANGANAGAR	108%	170%	-17%	-77%	9%
	MADHYA PRADESH	43%	194%	5%	-47%	7%
19	EAST MADHYA PRADESH	60%	250%	-2%	-34%	3%
1	ANUPPUR	74%	239%	7%	10%	18%
2	BALAGHAT	267%	188%	-9%	12%	2%
3	CHHATARPUR	1%	248%	-24%	-55%	-20%
4	CHHINDWARA	138%	188%	36%	-35%	37%
5	DAMOH	-40%	72%	-7%	-72%	-10%
6	DINDORI	116%	1134%	9%	-11%	28%
7	JABALPUR	1%	79%	-7%	-83%	-8%
8	KATNI	65%	544%	-21%	-46%	-15%
9	MANDLA	123%	180%	0%	-5%	9%
10	NARSINGHPUR	8%	-3%	8%	-97%	4%
11	PANNA	-22%	486%	-16%	-52%	-11%
12	REWA	4%	208%	3%	-65%	3%
13	SAGAR	-45%	91%	-13%	-77%	-15%
14	SATNA	-40%	151%	-18%	-61%	-17%
15	SEONI	34%	102%	12%	-54%	11%
16	SHAHDOL	199%	607%	-12%	41%	10%
17	SIDHI	-14%	301%	-12%	-21%	-5%
18	SINGRAULI	172%	515%	27%	14%	39%
19	TIKAMGARH	64%	71%	-20%	-79%	-19%

DISTRICT-WISE RAINFALL STATISTICS

S.No.	Met. SubDivision/ States/ UTs/ Districts	Winter	Pre-Monsoon	SW-Monsoon	Post-Monsoon	Annual
20	UMARIA	13%	531%	2%	33%	17%
20	WEST MADHYA PRADESH	8%	113%	13%	-58%	10%
1	AGAR-MALWA	70%	-6%	21%	-62%	17%
2	ALIRAJPUR	-100%	-52%	20%	-3%	17%
3	ASHOKNAGAR	62%	400%	10%	-84%	10%
4	BARWANI	-100%	-53%	29%	-24%	24%
5	BETUL	168%	199%	17%	-45%	18%
6	BHIND	200%	552%	-32%	-27%	-17%
7	BHOPAL	-67%	191%	30%	-39%	28%
8	BURHANPUR	-37%	-81%	14%	-42%	6%
9	DATIA	97%	157%	-26%	-75%	-23%
10	DEWAS	-89%	-7%	53%	-76%	45%
11	DHAR	-100%	-37%	3%	-29%	0%
12	GUNA	38%	-13%	-5%	-63%	-7%
13	GWALIOR	131%	269%	-31%	-59%	-22%
14	HARDA	-82%	71%	11%	-63%	6%
15	HOSHANGABAD	-63%	52%	0%	-88%	-4%
16	INDORE	-100%	4%	46%	-4%	41%
17	JHABUA	-100%	-58%	30%	-62%	24%
18	KHANDWA	-52%	55%	27%	-71%	21%
19	KHARGONE	-100%	-80%	18%	-48%	12%
20	MANDSAUR	-100%	-23%	-21%	-72%	-24%
21	MORENA	57%	380%	-20%	-39%	-11%
22	NEEMUCH	-78%	236%	-10%	17%	-6%
23	RAISEN	-87%	153%	30%	-87%	24%
24	RAJGARH	-19%	90%	21%	-70%	16%
25	RATLAM	-91%	22%	25%	-8%	22%
26	SEHORE	-100%	57%	37%	-80%	29%
27	SHAJAPUR	-58%	111%	21%	-78%	16%
28	SHEOPUR	39%	243%	-14%	-76%	-12%
29	SHIVPURI	154%	280%	-4%	-95%	0%
30	UJJAIN	-49%	68%	28%	-37%	24%
31	VIDISHA	-84%	67%	10%	-72%	5%
	GUJARAT	-90%	-49%	58%	9%	55%
21	GUJARAT REGION	-100%	-31%	12%	-21%	11%
1	AHMEDABAD	-100%	-40%	-3%	-73%	-5%
2	ANAND	-100%	-95%	19%	-20%	17%
3	ARAVALLI	-100%	36%	1%	-53%	0%
4	BANASKANTHA	-100%	77%	31%	-65%	27%
5	BHARUCH	-100%	-100%	43%	14%	41%
6	CHHOTA UDEPUR	-100%	-21%	5%	-29%	4%
7	DADARA & NAGAR HAVELI	-100%	-100%	10%	-38%	8%

DISTRICT-WISE RAINFALL STATISTICS

S.No.	Met. SubDivision/ States/ UTs/ Districts	Winter	Pre-Monsoon	SW-Monsoon	Post-Monsoon	Annual
8	DAHOD	-100%	-100%	-28%	-71%	-31%
9	DAMAN	-100%	-100%	-18%	-39%	-19%
10	DANGS	-100%	-83%	-27%	24%	-25%
11	GANDHINAGAR	-100%	-66%	26%	-60%	22%
12	KHEDA	-100%	-7%	0%	11%	0%
13	MAHISAGAR	-100%	31%	-6%	-26%	-7%
14	MEHSANA	-100%	-69%	15%	-58%	11%
15	NARMADA	-100%	-64%	16%	1%	15%
16	NAVSARI	-100%	-96%	14%	46%	15%
17	PANCHMAHAL	-100%	-39%	5%	-72%	2%
18	PATAN	-100%	-73%	60%	-66%	55%
19	SABARKANTHA	-100%	58%	21%	-50%	19%
20	SURAT	-100%	-75%	60%	61%	59%
21	TAPI	-100%	-100%	4%	113%	6%
22	VADODARA	-100%	-81%	-12%	-65%	-15%
23	VALSAD	-100%	-83%	-5%	16%	-5%
22	**SAURASHTRA & KUTCH**	-77%	-73%	126%	36%	120%
1	AMRELI	-100%	-14%	99%	16%	93%
2	BHAVNAGAR	-100%	-75%	27%	14%	26%
3	BOTAD	-100%	-100%	92%	-78%	80%
4	DEVBHOOMI DWARKA	-93%	-97%	325%	37%	307%
5	DIU	-100%	-100%	147%	-6%	136%
6	GIR SOMNATH	-96%	-75%	78%	-17%	73%
7	JAMNAGAR	-100%	-100%	152%	-7%	141%
8	JUNAGADH	-7%	-59%	91%	53%	89%
9	KUTCH	-68%	-64%	178%	100%	170%
10	MORBI	-100%	-100%	109%	2%	104%
11	PORBANDAR	-90%	-66%	142%	-17%	133%
12	RAJKOT	-100%	-100%	102%	73%	99%
13	SURENDRANAGAR	-100%	-77%	61%	-77%	53%
	DADARA & NAGAR HAVELI	-100%	-100%	10%	-38%	8%
	DAMAN & DIU	-100%	-100%	5%	-29%	3%
1	DAMAN	-100%	-100%	-18%	-39%	-19%
2	DIU	-100%	-100%	147%	-6%	136%
23	**KONKAN & GOA**	-100%	-66%	27%	82%	29%
	GOA	-100%	-83%	40%	14%	35%
1	NORTH GOA	-100%	-82%	39%	34%	35%
2	SOUTH GOA	-100%	-85%	41%	-4%	34%
	MAHARASHTRA	9%	14%	16%	29%	22%
1	MUMBAI CITY	-100%	-99%	58%	191%	62%
2	MUMBAI SUBURBAN	-100%	-100%	67%	66%	66%
3	PALGHAR	-100%	-100%	12%	13%	12%

DISTRICT-WISE RAINFALL STATISTICS

S.No.	Met. SubDivision/ States/ UTs/ Districts	Winter	Pre-Monsoon	SW-Monsoon	Post-Monsoon	Annual
4	RAIGAD	-100%	-92%	15%	92%	18%
5	RATNAGIRI	-100%	-18%	23%	100%	26%
6	SINDHUDURG	-100%	-71%	53%	134%	55%
7	THANE	-100%	-100%	19%	50%	20%
24	**MADHYA MAHARASHTRA**	**-99%**	**0%**	**29%**	**75%**	**38%**
1	AHMEDNAGAR	-100%	-13%	91%		
2	DHULE	-100%	-97%	47%		
3	JALGAON	-100%	-3%	24%	-66%	14%
4	KOLHAPUR	-100%	1%	23%	59%	25%
5	NANDURBAR			10%		
6	NASHIK	-100%	-23%	17%	6%	15%
7	PUNE	-100%	24%	39%	124%	48%
8	SANGLI	-97%	12%	26%	103%	39%
9	SATARA	-100%	-31%	2%	48%	6%
10	SHOLAPUR	-100%	7%	25%	90%	36%
25	**MARATHWADA**	**-56%**	**19%**	**30%**	**9%**	**26%**
1	AURANGABAD	-100%	85%	64%	-20%	53%
2	BEED	-100%	43%	46%	12%	40%
3	HINGOLI	-100%	-30%	8%		
4	JALNA	-100%	-11%	39%	-17%	29%
5	LATUR	-22%	-56%	29%		
6	NANDED	-52%	-7%	8%	-23%	4%
7	OSMANABAD	-100%	116%	25%	110%	41%
8	PARBHANI	69%	-42%	19%	0%	15%
26	**VIDARBHA**	**43%**	**53%**	**-10%**	**-36%**	**-9%**
1	AKOLA	-96%	-83%	-27%	-52%	-32%
2	AMRAOTI	2%	29%	-20%	-46%	-20%
3	BHANDARA	159%	33%	-4%	-45%	-2%
4	BULDHANA	-71%	130%	5%	-69%	-1%
5	CHANDRAPUR	15%	143%	-18%	-35%	-14%
6	GADCHIROLI	55%	-56%	-8%	-10%	-8%
7	GONDIA	174%	84%	-8%	-18%	-3%
8	NAGPUR	77%	111%	7%	-44%	8%
9	WARDHA	11%	95%	-8%	-46%	-7%
10	WASHIM	-35%	-1%	16%	4%	14%
11	YEOTMAL	21%	76%	-24%	-38%	-22%
27	**CHHATTISGARH**	**224%**	**192%**	**8%**	**21%**	**18%**
1	BALOD	722%	542%	1%	-10%	15%
2	BALODA BAZAR	634%	490%	12%	-21%	26%
3	BALRAMPUR	96%	585%	-8%	69%	10%
4	BASTAR	36%	-15%	17%	5%	13%
5	BEMETARA	545%	300%	7%	-55%	23%

DISTRICT-WISE RAINFALL STATISTICS

S.No.	Met. SubDivision/ States/ UTs/ Districts	Winter	Pre-Monsoon	SW-Monsoon	Post-Monsoon	Annual
6	BIJAPUR	191%	353%	72%	93%	80%
7	BILASPUR	209%	134%	8%	-8%	19%
8	DANTEWADA	-42%	872%	17%	60%	25%
9	DHAMTARI	300%	208%	9%	9%	18%
10	DURG	1067%	579%	2%	-24%	18%
11	GARIABAND	307%	215%	8%	21%	19%
12	JANJGIR	292%	278%	10%	57%	24%
13	JASHPUR	58%	150%	-8%	45%	5%
14	KABIRDHAM	309%	72%	15%	-28%	22%
15	KANKER	104%	113%	-21%	-33%	-17%
16	KONDAGAON	217%	176%	27%	-2%	32%
17	KORBA	291%	401%	1%	64%	17%
18	KORIYA	85%	493%	-5%	63%	7%
19	MAHASAMUND	976%	153%	20%	19%	32%
20	MUNGELI	220%	160%	-6%	-31%	3%
21	NARAYANPUR	358%	-44%	17%	41%	21%
22	RAIGARH	101%	163%	0%	-28%	8%
23	RAIPUR	447%	194%	-3%	-56%	8%
24	RAJNANDGAON	233%	248%	-3%	-42%	4%
25	SUKMA	-9%	92%	36%	65%	40%
26	SURAJPUR	345%	906%	17%	55%	43%
27	SURGUJA	89%	278%	-33%	32%	-16%
	ANDHRA PRADESH	20%	-18%	44%	33%	34%
28	**COASTAL A. P. & YANAM**	39%	-17%	24%	24%	20%
1	EAST GODAVARI	-45%	-42%	33%	33%	25%
2	GUNTUR	88%	-65%	53%	23%	35%
3	KRISHNA	125%	-47%	24%	79%	33%
4	NELLORE	54%	4%	58%	20%	32%
5	PRAKASAM	38%	-34%	42%	-3%	16%
6	SRIKAKULAM	39%	33%	-25%	7%	-10%
7	VISHAKHAPATNAM	33%	19%	-8%	27%	6%
8	VIZIANAGARAM	45%	26%	-6%	26%	6%
9	WEST GODAVARI	-15%	-58%	38%	43%	31%
10	YANAM	-7%	80%	21%	99%	51%
29	**RAYALASEEMA**	-47%	-20%	84%	54%	61%
1	ANANTAPUR	-97%	-27%	84%	17%	48%
2	CHITTOOR	-6%	-19%	70%	55%	53%
3	CUDDAPAH	-30%	-19%	110%	101%	94%
4	KURNOOL	-99%	-15%	74%	29%	54%
30	**TELANGANA**	-4%	2%	46%	46%	42%
1	ADILABAD	88%	72%	2%	-33%	3%
2	B. KOTHAGUDEM	-87%	-14%	82%	65%	70%

DISTRICT-WISE RAINFALL STATISTICS

S.No.	Met. SubDivision/ States/ UTs/ Districts	Winter	Pre-Monsoon	SW-Monsoon	Post-Monsoon	Annual
3	HYDERABAD	54%	-11%	27%	209%	51%
4	J. BHUPALPALLY	2%	-41%	54%	-6%	41%
5	JAGTIAL	23%	5%	11%	0%	10%
6	JANGAON	-30%	-32%	66%	81%	61%
7	JOGULAMBA GADWAL	-86%	-46%	80%	67%	66%
8	KAMAREDDY	104%	78%	27%	3%	27%
9	KARIMNAGAR	-24%	-4%	77%	25%	63%
10	KHAMMAM	-21%	-67%	36%	53%	28%
11	KUMARAM BHEEM	42%	131%	18%	18%	24%
12	M. MALKAJGIRI	-88%	-31%	33%	113%	37%
13	MAHABUBABAD	-74%	-41%	106%	91%	90%
14	MAHABUBNAGAR	19%	-18%	80%	26%	63%
15	MANCHERIAL	31%	96%	17%	-46%	14%
16	MEDAK	9%	90%	24%	70%	32%
17	MULUGU	92%	-14%	80%	42%	73%
18	NAGARKURNOOL	-49%	-28%	75%	57%	63%
19	NALGONDA	82%	-4%	21%	46%	26%
20	NARAYANPET	72%	29%	151%	47%	120%
21	NIRMAL	-43%	18%	-9%	-19%	-10%
22	NIZAMABAD	50%	-15%	5%	-41%	0%
23	PEDDAPALLE	7%	-19%	30%	-16%	22%
24	RAJANNA SIRCILLA	-27%	23%	94%	12%	75%
25	RANGAREDDY	9%	9%	35%	118%	46%
26	SANGAREDDY	-84%	21%	13%	159%	29%
27	SIDDIPET	-37%	50%	91%	94%	86%
28	SURYAPET	54%	-39%	27%	13%	21%
29	VIKARABAD	-91%	-12%	32%	86%	35%
30	WANAPARTHY	-30%	-15%	61%	75%	57%
31	WARANGAL_RURAL	-62%	35%	88%	61%	79%
32	WARANGAL_URBAN	-32%	43%	130%	82%	115%
33	Y. BHUVANAGIRI	-78%	37%	49%	88%	54%
31	TAMIL. PUDU.& KARAIKAL	-65%	-39%	27%	6%	5%
	TAMILNADU	-65%	-39%	27%	6%	5%
1	ARIYALUR	-17%	-71%	25%	-7%	-3%
2	CHENGALPATTU	77%	-72%	-11%	18%	5%
3	CHENNAI	12%	-4%	1%	33%	20%
4	COIMBATORE	-95%	2%	62%	-12%	31%
5	CUDDALORE	-33%	-89%	-7%	34%	11%
6	DHARMAPURI	-97%	-21%	26%	-11%	2%
7	DINDIGUL	-94%	-49%	54%	-16%	-2%
8	ERODE	-100%	-45%	30%	-30%	-13%
9	KALLAKURICHI	-71%	-80%	-36%	31%	-10%

DISTRICT-WISE RAINFALL STATISTICS

S.No.	Met. SubDivision/ States/ UTs/ Districts	Winter	Pre-Monsoon	SW-Monsoon	Post-Monsoon	Annual
10	KANCHEEPURAM	132%	-84%	-15%	29%	5%
11	KANYAKUMARI	-84%	-2%	3%	-39%	-17%
12	KARUR	-99%	-66%	94%	-16%	9%
13	KRISHNAGIRI	-97%	-13%	11%	-10%	-2%
14	MADURAI	-87%	-59%	25%	9%	1%
15	NAGAPATTINAM	-72%	-95%	30%	11%	3%
16	NAMAKKAL	-100%	-66%	6%	-25%	-21%
17	NILGIRIS	-47%	-43%	57%	-23%	17%
18	PERAMBALUR	-77%	45%	73%	8%	31%
19	PUDUKKOTTAI	-96%	-36%	37%	6%	10%
20	RAMANATHAPURAM	-69%	-30%	43%	9%	5%
21	RANIPET	14%	-54%	22%	15%	12%
22	SALEM	-91%	-30%	33%	-18%	1%
23	SIVAGANGA	-82%	5%	38%	33%	27%
24	THANJAVUR	-56%	-47%	1%	-2%	-8%
25	THENI	-99%	-20%	101%	-2%	18%
26	THENKASI	-76%	11%	3%	-4%	-4%
27	TIRUNELVELI	-70%	-50%	79%	-3%	-7%
28	TIRUPATTUR	-47%	-19%	58%	45%	42%
29	TIRUPPUR	-99%	-23%	115%	4%	24%
30	TIRUVALLUR	3%	-55%	-2%	12%	3%
31	TIRUVANNAMALAI	-61%	-96%	-10%	36%	1%
32	TIRUVARUR	-50%	-59%	33%	12%	9%
33	TOOTHUKUDI	-72%	-84%	-13%	13%	-12%
34	TRICHY	-62%	-35%	64%	-30%	1%
35	VELLORE	-11%	-38%	17%	6%	6%
36	VILLUPURAM	-66%	-99%	-5%	45%	14%
37	VIRUDHUNAGAR	-77%	-24%	21%	29%	12%
	PUDUCHERRY (UT)	-70%	-44%	4%	32%	15%
1	KARAIKAL	-92%	-41%	48%	12%	10%
2	MAHE	-60%	-32%	37%	-22%	22%
3	PUDUCHERRY	-45%	-56%	-25%	41%	14%
4	YANAM	-7%	80%	21%	99%	51%
	KARNATAKA	-89%	27%	27%	13%	24%
32	COASTAL KARNATAKA	-77%	10%	19%	30%	19%
1	DAKSHINA KANNADA	-64%	7%	3%	23%	5%
2	UDUPI	-100%	-18%	30%	58%	30%
3	UTTARA KANNADA	-100%	28%	23%	22%	23%
33	N. I. KARNATAKA	-86%	39%	49%	30%	43%
1	BAGALKOTE	-100%	5%	74%	50%	57%
2	BELAGAVI	-100%	28%	55%	38%	49%
3	BIDAR	-58%	68%	36%	81%	43%

DISTRICT-WISE RAINFALL STATISTICS

S.No.	Met. SubDivision/ States/ UTs/ Districts	Winter	Pre-Monsoon	SW-Monsoon	Post-Monsoon	Annual
4	DHARWAD	-100%	14%	43%	-11%	27%
5	GADAG	-100%	65%	45%	12%	40%
6	HAVERI	-100%	18%	7%	-28%	1%
7	KALABURGI	-92%	37%	64%	77%	62%
8	KOPPAL	-100%	110%	59%	48%	62%
9	RAICHUR	-100%	43%	43%	19%	37%
10	VIJAYAPURA	-62%	68%	41%	2%	34%
11	YADGIR	-99%	-58%	41%	6%	25%
34	S. I. KARNATAKA	-93%	26%	20%	-1%	16%
1	BALLARI	-100%	20%	46%	13%	34%
2	BENGALURU RURAL	-100%	24%	53%	-22%	26%
3	BENGALURU URBAN	-99%	40%	23%	22%	24%
4	CHAMARAJANAGAR	-100%	4%	37%	-10%	12%
5	CHIKABALLAPURA	-100%	54%	46%	18%	38%
6	CHIKKAMAGALURU	-99%	18%	4%	-5%	4%
7	CHITRADURGA	-91%	36%	81%	13%	52%
8	DAVANGERE	-68%	55%	28%	15%	29%
9	HASSAN	-95%	39%	2%	-7%	5%
10	KODAGU	-100%	31%	4%	-31%	2%
11	KOLAR	-100%	54%	78%	53%	65%
12	MANDYA	-100%	65%	26%	15%	30%
13	MYSURU	-39%	2%	30%	-30%	6%
14	RAMANAGARA	-100%	36%	16%	13%	18%
15	SHIVAMOGGA	-95%	16%	4%	2%	4%
16	TUMAKURU	-100%	1%	55%	-19%	24%
35	KERALA & MAHE	-57%	7%	9%	-26%	2%
	KERALA	-57%	7%	9%	-26%	2%
1	ALAPUZHA	-69%	15%	8%	-29%	0%
2	CANNUR	-76%	-24%	28%	-8%	19%
3	ERNAKULAM	36%	8%	11%	-17%	6%
4	IDUKKI	-84%	5%	-6%	-11%	-6%
5	KASARGOD	-22%	-54%	21%	14%	15%
6	KOLLAM	-61%	13%	6%	-31%	-4%
7	KOTTAYAM	-70%	51%	24%	-15%	20%
8	KOZHIKODE	-100%	-3%	33%	-16%	23%
9	MALAPPURAM	-96%	-23%	-1%	-58%	-13%
10	PALAKKAD	-100%	-28%	11%	-45%	-4%
11	PATHANAMTHITTA	-80%	73%	13%	-12%	17%
12	THIRUVANANTHAPURAM	38%	63%	33%	-37%	18%
13	THRISSUR	-100%	-28%	-12%	-43%	-19%
14	WYNAD	-83%	4%	-18%	-29%	-17%
1	MAHE	-60%	-32%	37%	-22%	22%

S.No.	Met. SubDivision/ States/ UTs/ Districts	Winter	Pre-Monsoon	SW-Monsoon	Post-Monsoon	Annual
36	LAKSHADWEEP	-68%	17%	33%	-9%	21%

6.2   CATEGORYWISE SEASONAL AND ANNUAL DISTRIBUTION

The categorywise 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 690 districts, more than 2/3rd of the districts during Pre Monsoon, Monsoon & annually experienced excess to normal rainfall . Winter season saw excess to normal rainfall in nearly half (372) of all India ditricts.

Table 24: Category-wise Number of Districts - Seasonally and Annually - Year 2020

CATEGORY	WINTER	PRE-MONSOON	MONSOON	POST-MONSOON	ANNUAL
L. EXCESS	151	332	60	60	44
EXCESS	100	81	164	92	172
NORMAL	121	105	291	154	341
DEFICIENT	110	98	157	187	107
L. DEFICIENT	104	45	16	177	5
NO RAIN	96	13	0	15	0
NO DATA	8	16	2	5	21
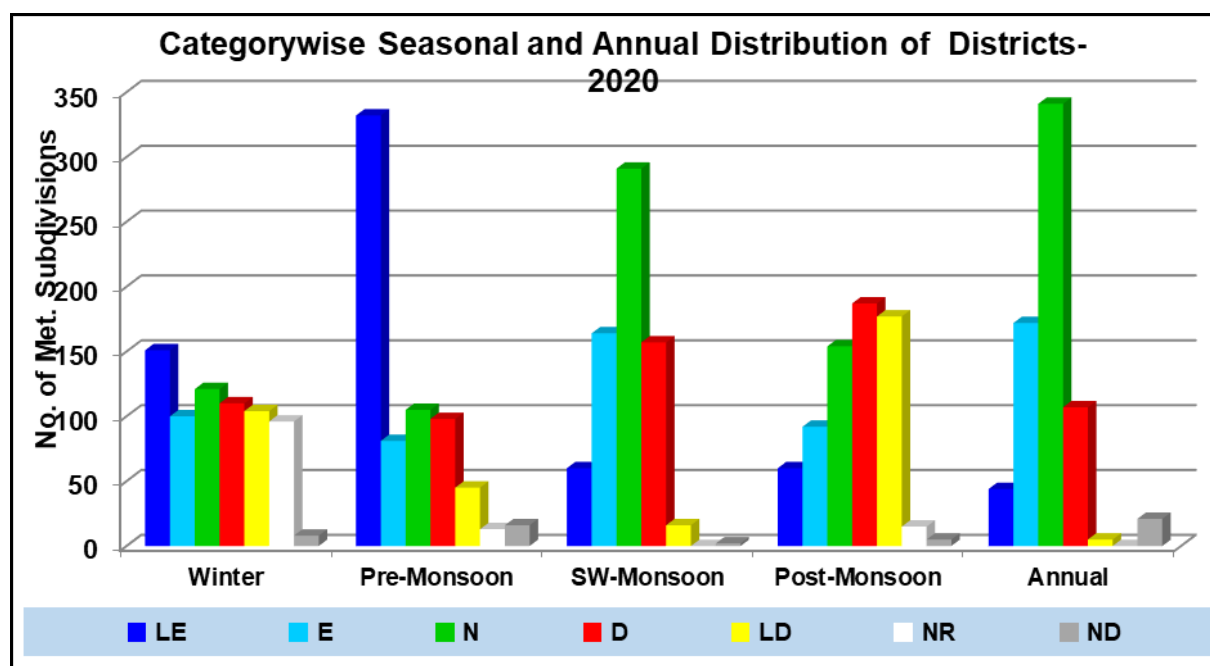
Figure 106: Categorywise Seasonal and Annual Distribution of No. of Districts – 2020

Distribution of districts of India in terms of their areas under different categories in the four seasons and for the year 2020 has been depicted in Figure 108.
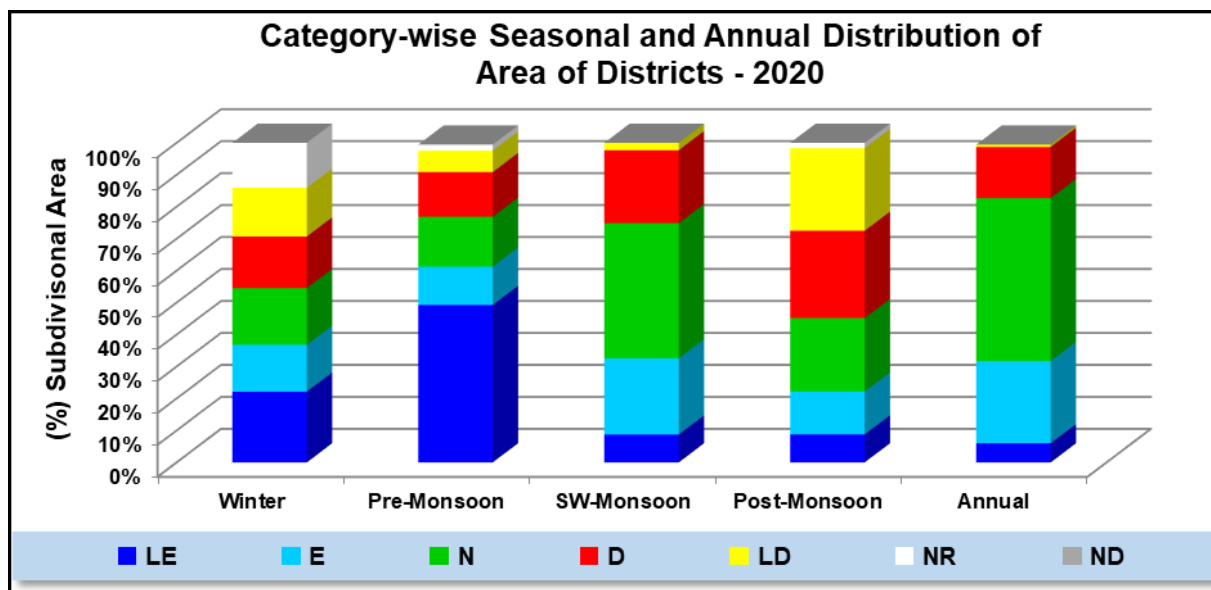
Figure 107: Category-wise distribution of Area of Districts – Seasonally and Annually – Year 2020

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 normals have been given in Table 26. The rainfall statistics in respect of the districts whose data is not available through out the year have not been included in these tables.

Table 25: District-wise Monthly Rainfall (mm) – Year 2020

SNo.	Met Subdivison/ States/ UTs/ Districts	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	**A & N ISLAND**	3.7	2.3	0.1	35.9	230.1	498.3	362.8	370.0	481.3	480.9	190.3	187.3
1	NICOBAR	15.2	10.0	0.4	44.3	252.0	553.9	183.1	222.8	435.2	252.2	235.5	229.1
2	NORTH & MIDDLE ANDAMAN	0.0	0.0	0.0	44.7	225.0	548.7	469.9	530.2	521.3	677.9	91.0	187.9
3	SOUTH ANDAMAN	0.7	0.0	0.0	21.2	222.0	409.0	357.1	286.2	466.1	407.2	270.8	160.8
2	**ARUNACHAL PRADESH**	61.8	36.3	49.7	183.7	361.6	522.7	625.1	318.1	506.1	172.4	58.0	16.8
1	ANJAW	106.6	32.8	47.0	274.4	368.2	366.4	346.2	174.5	218.7	116.4	39.6	0.0
2	CHANGLANG	43.3	14.7	54.6	147.8	224.6	510.0	563.2	398.0	325.2	146.6	59.4	0.0
3	DIBANG VALLEY						370.2	581.0	134.7	503.9	181.1	107.7	35.9
4	EAST KAMENG	7.9	48.8	24.0	70.3	136.4	191.5	449.0	283.1	526.5	192.2	16.4	0.0
5	EAST SIANG	76.8	40.7	63.9	188.6	616.7	1157.3	1799.5	756.6	1043.2	160.3	47.4	21.9
6	KURUNG KUMEY	35.6			192.5	238.8	216.0	430.2	182.2	455.6	121.2	70.4	31.6
7	LOHIT	39.9	27.9	27.9	112.7	257.4	518.8	591.6	436.7	332.8	114.1	64.6	5.2
8	LOWER DIBANG VALLEY	67.5	39.7	31.7	172.4	793.4	1514.7	1482.8	602.1	666.4	176.7	77.0	3.2
9	LOWER SUBANSIRI	25.2	53.2	47.3	89.8	317.8	119.2	210.4	56.2	109.8	59.4	5.2	5.8
10	PAPUMPARA	48.7	50.3	17.3	76.2	479.8	932.1	779.8	331.8	537.9	261.0	24.4	12.9
11	TAWANG	0.0	0.0	40.8	168.8	265.3	232.2	370.0	149.2	198.1	46.3	6.2	4.4
12	TIRAP	16.1	25.2	28.8		264.9	376.9	389.6	411.6	261.2	170.0	41.0	0.0
13	UPPER SIANG	212.3	69.7	117.3	501.4	306.3	591.2	603.1	312.8	483.8	428.8	159.5	41.6
14	UPPER SUBANSIRI	23.2	23.6	46.2	136.0	296.5	306.9	271.6	180.0	302.6	106.4	30.5	20.2
15	WEST KAMENG	18.6	29.9	16.2	146.1	394.6	296.9	442.8	325.0	343.2	139.3	15.2	4.2

DISTRICT-WISE RAINFALL STATISTICS

SNo.	Met Subdivison/ States/ UTs/ Districts	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
16	WEST SIANG	71.0	42.0	70.4	127.4	330.9	461.8	504.5	296.6	900.5	107.2	41.0	27.0
3	**ASSAM & MEGHALAYA**	17.5	17.5	29.1	167.3	465.4	637.2	687.7	286.9	541.2	193.7	20.4	1.0
	ASSAM	15.7	14.8	21.9	116.4	352.2	526.2	505.0	249.5	373.8	167.4	21.0	0.9
1	BAKSA	12.5	6.4	21.1	123.9	608.5	941.8	807.8	168.7	407.7	100.3	0.0	4.3
2	BARPETA	6.3	28.3	13.5	75.0	644.4	979.0	1173.1	280.6	869.0	112.5	18.6	7.3
3	BONGAIGAON	3.6	8.6	14.2	43.0	607.2	628.7	783.3	236.8	723.5	98.8	34.8	0.0
4	CACHAR	27.2	0.1	21.9	179.3	304.5	601.5	556.3	380.4	355.1	319.9	38.4	0.0
5	CHIRANG	6.8	15.0	36.6	58.8	842.4	1114.2	1552.0	422.9	1237.4	121.2	2.0	4.0
6	DARRANG	6.2	7.0	9.0	37.9	125.9	159.5	206.9	45.5	86.1	40.3	2.0	0.0
7	DHEMAJI	4.7	32.6	86.6	166.6	568.3	1286.4	1033.8	591.1	741.0	407.9	80.2	0.0
8	DHUBRI	4.5	7.1	21.2	256.4	593.3	670.3	736.7	387.6	679.8	153.3	0.0	0.0
9	DIBRUGARH	39.0	35.9	36.7	114.4	326.1	563.6	433.9	271.5	249.1	186.1	35.0	0.0
10	GOALPARA	9.6	4.0	4.0	382.0	731.6	598.6	493.1	299.6	328.7	86.4	2.6	0.0
11	GOLAGHAT	13.7	14.3	10.2	113.1	199.2	212.9	271.1	194.9	244.5	186.1	8.5	0.0
12	HAILAKANDI	35.9	0.0	6.8	84.4	320.5	468.1	517.4	359.7	287.3	293.8	72.7	0.2
13	JORHAT	40.5	19.2	18.6	80.4	320.6	504.7	448.3	264.1	202.6	146.9	34.9	1.7
14	KAMRUP (RURAL)	16.6	8.5	9.6	126.9	466.9	693.6	426.9	131.4	277.2	75.4	0.0	0.0
15	KAMRUP METRO.	30.0	15.1	33.8	217.1	351.9	479.6	319.5	183.1	263.9	61.9	0.0	0.0
16	KARBI ANGLONG	5.0	1.6	7.7	71.0	112.3	169.5	226.5	150.0	242.3	202.2	20.3	0.3
17	KARIMGANJ	22.3	0.7	25.1	50.1	431.7	945.1	783.0	401.8	429.2	338.2	36.0	0.0
18	KOKRAJHAR	0.3	22.2	45.4	256.5	585.5	1120.7	1290.2	497.9	1202.7	197.0	0.6	0.0
19	LAKHIMPUR	50.6	39.9	38.3	68.7	340.5	671.4	671.0	332.6	537.1	230.0	12.8	8.7
20	MORIGAON	9.4	24.6	0.0	119.0	139.4	217.9	97.5	214.4	264.4	208.8	0.0	0.0
21	N. C. HILLS	3.1	2.0	33.3	122.9	313.2	417.0	358.0	94.4	161.0	69.0	15.2	0.0
22	NAGAON	11.8	7.2	7.8	106.5	153.2	150.1	118.5	92.4	162.5	158.4	6.0	0.0
23	NALBARI	17.7	12.5	18.4	105.5	633.4	775.7	772.5	257.2	451.1	98.8	0.3	1.8
24	SHONITPUR	11.4	35.6	24.8	72.9	288.5	271.1	317.8	204.0	194.9	139.4	10.9	1.0
25	SIBSAGAR	39.0	23.2	16.5	54.6	317.4	393.4	365.4	294.8	302.0	107.3	50.8	0.0
26	TINSUKIA	31.3	21.1	25.9	103.2	320.5	687.2	497.0	401.1	346.1	179.7	59.4	0.0
27	UDALGURI	13.9	26.7	28.3		365.2	421.1	439.2	171.4	304.1	125.0	1.2	0.0
	MEGHALAYA	24.0	27.4	55.9	351.5	884.0	1047.5	1363.0	425.0	1160.0	291.3	18.2	1.3
1	EAST GARO HILLS	5.2	44.0	106.0	449.0	736.8	1132.4	1709.8	307.3	1259.5	146.8	0.0	0.0
2	EAST KHASI HILLS	20.7	30.4	21.8	324.4	1521.3	2269.9	2834.1	1090.4	1746.1	507.6	14.5	0.8
3	JAINTIA HILLS	28.1	14.9	31.2	265.1	1533.2	1465.5	1668.2	224.2	1361.4	327.7	17.2	0.0
4	RI-BHOI	12.8	38.0	46.2	251.2	401.8	427.0	591.6	206.9	751.7	485.3	33.7	11.5
5	SOUTH GARO HILLS	12.8	17.8	23.0	183.8	473.0	1023.2	1352.6	499.0	846.1	283.8	4.2	0.0
6	WEST GARO HILLS	14.4	2.4	16.2	151.8	735.2	580.8	514.7	315.4	541.8	59.2	3.4	0.0
7	WEST KHASI HILLS	48.0	43.0	111.1	626.0	619.0	680.0	1151.1	431.0	1389.8	302.0	38.3	0.0
	NAGALAND	27.7	16.4	18.8	119.8	138.0	251.3	232.6	202.5	164.0	156.1	44.3	1.1
2	KEPHIRE	25.7	15.2	5.6	93.4	92.4	156.1	200.8	276.6	143.6	134.0	21.2	0.6
4	LONGLENG	1.0				132.0	222.0	120.0	189.0	155.0	56.0	46.8	10.0
5	MOKOKCHUNG	50.5	18.2	20.7	146.1	228.5	341.6	253.6	341.5	218.6	240.3	57.7	2.2
6	MON	32.5	12.4	23.5	69.5	160.5	331.5	306.0	127.0	47.5	11.7	3.0	0.6
7	PAREN	17.1	12.5	14.1	31.0	60.5	71.0	152.3	153.8	259.6	82.4	0.0	0.0
8	PHEK	18.2	17.8	2.7	121.7	105.9	194.9	270.3	214.1	300.0	197.4	52.3	0.2
9	TUENSANG	32.0	23.7	19.0	164.8	100.5	151.3	124.6	206.2	174.7	162.6	71.2	0.0
10	WOKHA	24.5	22.5	30.9	86.1	145.8	236.3	271.0	83.2	121.1	140.0	28.6	0.2
11	ZUNHEBOTO	31.0	21.0	32.0	86.5	188.4	471.7	338.0	361.0	167.4	254.5	54.6	0.0

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SNo.	Met Subdivison/ States/ UTs/ Districts	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
	MANIPUR	33.5	9.7	13.4	93.7	109.1	216.0	214.9	157.2	160.4	148.7	40.2	0.0
1	BISHNUPUR	34.9	24.0	13.3	127.1	164.0	177.0	282.6	179.8	161.4	237.0	37.4	0.0
2	CHANDEL	9.1	2.3	5.0	20.5	39.2	50.1	54.7	39.6	48.9	39.8	9.9	0.0
4	IMPHAL EAST	45.8	10.6	20.4	85.7	132.5	172.3	146.9	179.0	177.0	101.0	81.1	0.0
6	SENAPATI	40.3	1.0	12.6	104.2	162.7	357.2	254.6	174.9	227.0	219.8	41.2	0.0
7	TAMENGLONG						948.1	883.2	501.1	444.4	274.6	110.9	0.0
8	THOUBAL	28.1	18.5	9.5	76.1	85.8	130.5	240.6	172.6	141.7	124.1	23.5	0.0
9	UKHRUL	59.2	14.8	21.2	108.8	88.3	194.1	308.9	286.5	206.3	207.2	32.8	0.0
	MIZORAM	42.9	9.9	1.0	95.4	166.9	198.3	390.0	336.4	188.2	199.0	37.4	0.0
1	AIZWAL	49.7	5.9	5.0	141.8	216.4	190.2	254.5	210.5	209.4	263.4	28.8	0.0
2	CHAMPHAI	0.0	1.4	0.0	60.6	106.6	80.6	175.1	271.0	225.9	96.8	56.3	0.0
4	KOLASIB	49.9	3.7	0.1	85.0	259.3	319.7	396.4	343.5	224.6	312.8	66.6	0.0
5	LAWNGTLAI	71.8	8.0	0.0	128.3	214.8	352.2	555.0	453.1	272.8	257.6	36.3	0.0
7	MAMIT	47.2	29.4	0.0	74.3	131.3	266.0	516.7	265.7	126.4	199.3	49.2	0.0
9	SERCHHIP	0.0	5.0	0.0	51.6	99.5	142.1	265.5	195.0	142.1	179.5	41.3	0.0
1	DHALAI	23.5	2.1	2.8	290.8	372.9	493.9	294.9	168.0	273.7	183.9	16.3	0.0
3	SOUTH TRIPURA	44.4	3.9	5.0	164.1	348.2	447.9	400.3	176.5	304.0	268.4	21.2	0.0
4	WEST TRIPURA	20.8	0.0	6.0	141.4	302.1	480.0	376.7	208.0	320.7	207.0	16.0	0.0
5	**SHWB & SIKKIM**	21.2	27.7	64.1	155.4	280.0	680.2	870.7	414.5	725.7	104.3	5.5	4.3
	SIKKIM	60.6	25.8	122.1	250.7	291.2	763.8	749.8	459.7	442.9	154.4	14.0	15.0
2	NORTH SIKKIM	83.1	25.2	155.0	343.7	375.0	993.7	818.9	467.2	409.7	220.9	23.5	17.2
4	WEST SIKKIM	20.9	21.3	36.4	58.3	116.0	299.6	438.2	245.2	277.0	63.7	0.0	6.7
2	DARJEELING	31.9	40.9	62.2	124.0	214.2	693.5	1065.6	644.0	827.0	91.2	1.8	2.8
4	MALDA	8.3	35.1	49.0	77.8	137.5	361.9	346.5	217.4	317.0	52.7	0.0	0.0
5	NORTH DINAJPUR	3.1	24.4	26.7	129.9	171.0	350.2	503.0	219.1	509.5	50.0	0.0	0.0
6	SOUTH DINAJPUR	5.2	22.4	34.3	108.3	349.4	294.3	430.9	120.8	418.6	66.5	0.0	0.0
6	**GANGETIC WEST BENGAL**	34.5	4.9	50.1	76.5	247.0	279.0	277.2	341.3	167.0	81.3	4.4	0.1
2	BIRBHUM	22.0	0.8	41.5	62.0	194.9	278.6	362.1	304.7	206.9	37.3	0.0	0.0
4	EAST MIDNAPORE	49.6	10.5	30.2	71.4	431.0	209.5	171.6	403.6	219.4	217.2	3.8	0.0
6	HOWRAH	22.6	1.6	22.3		392.2	210.7	247.1	349.3	135.2	57.8	0.0	0.0
7	KOLKATA	42.5	3.5	39.4	49.0	383.7	381.9	348.2	389.7	189.1	107.0	24.0	0.0
8	MURSHIDABAD	18.5	6.5	17.8	79.1	153.3	324.4	357.9	226.0	227.5	48.0	1.0	0.0
9	NADIA	25.9	2.1	47.4	12.4	245.7	212.4	309.7	281.8	117.0	68.3	1.3	0.0
10	NORTH 24 PARGANAS	36.7	4.4	83.8	115.8	330.5	400.2	337.5	394.0	162.7	51.9	16.8	0.0
11	PURULIA	44.4	2.9	61.6	58.2	153.5	266.6	278.8	315.8	197.7	58.3	3.6	0.7
12	SOUTH 24 PARGANAS	47.4	6.7	26.8	59.0	290.1	271.9	214.0	443.8	220.7	103.9	1.5	0.0
13	WEST MIDNAPORE	41.6	11.3	62.6	113.8	262.6	240.3	217.4	368.9	134.3	84.0	10.8	0.0
7	**ODISHA**	16.3	46.8	62.1	111.3	92.0	251.1	224.8	511.2	153.8	162.1	4.6	0.0
1	ANGUL	21.9	75.8	70.6	109.3	75.9	253.9	230.1	601.1	139.9	178.0	0.0	0.0
2	BALASORE	41.0	21.9	64.0	124.8	257.6	213.8	135.8	446.7	147.4	191.8	3.1	0.0
3	BARGARH	9.6	102.5	56.1	67.1	52.0	296.7	245.2	626.0	103.5	48.8	0.0	0.0
4	BHADRAK	39.3	25.6	57.8	159.2	153.2	198.0	150.4	625.7	117.8	253.3	0.0	0.0
5	BOLANGIR	11.7	52.9	46.3	43.7	44.5	247.7	242.8	454.6	102.9	76.2	0.0	0.0
6	BOUDHGARH	22.9	96.3	57.7	127.9	28.9	220.0	292.3	593.5	125.0	98.7	0.0	0.0
7	CUTTACK	7.8	55.7	81.3	117.7	150.4	167.3	158.8	634.9	89.8	228.8	1.5	0.0
8	DEOGARH	33.0	94.2	48.0	153.0	84.9	352.4	266.2	759.3	128.6	130.5	5.9	0.0
9	DHENKANAL	21.5	57.5	71.3	117.3	146.8	281.7	175.8	637.5	111.6	133.2	0.0	0.0
10	GAJAPATI	4.1	63.4	62.0	88.9	53.5	229.5	202.2	178.6	153.0	306.2	9.2	0.0

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11	GANJAM	6.6	56.3	56.9	121.7	55.1	202.5	193.9	207.4	174.2	332.0	8.9	0.0
12	JAGATSINGHPUR	10.7	33.2	43.4	162.3	235.2	155.6	179.7	634.2	81.0	284.6	0.5	0.0
13	JAJPUR	18.3	37.1	54.4	162.6	157.8	177.3	194.7	657.1	113.2	196.8	0.2	0.0
14	JHARSUGUDA	17.6	41.9	113.5	92.4	78.0	416.5	256.3	556.5	217.1	41.7	2.9	0.0
15	KALAHANDI	7.6	24.5	65.8	38.0	45.3	290.3	258.5	350.4	195.6	133.2	0.3	0.0
16	KANDHAMAL	6.4	60.7	109.4	131.4	33.4	223.9	300.1	439.4	207.9	169.7	1.7	0.0
17	KENDRAPARA	11.0	18.0	91.2	137.0	159.7	134.3	144.3	748.0	74.3	335.7	0.8	0.0
18	KEONJHARGARH	33.6	55.0	51.1	152.0	164.7	261.8	159.3	601.5	145.7	91.2	3.6	0.0
19	KHURDA	10.0	54.6	37.5	97.8	90.6	147.8	125.1	390.0	144.5	233.6	7.8	0.0
20	KORAPUT	5.8	16.3	44.9	140.2	88.1	263.2	269.4	465.5	208.8	203.7	11.4	0.0
21	MALKANGIRI	2.6	0.2	21.8	103.8	38.6	243.1	318.9	931.0	253.3	236.6	4.2	0.0
22	MAYURBHANJ	39.2	18.5	65.9	182.9	200.0	298.7	175.7	507.7	164.3	122.6	23.1	0.0
23	NAWAPARA	6.4	39.8	69.4	67.1	46.8	297.4	290.4	321.1	123.2	66.2	0.0	0.0
24	NAWARANGPUR	8.9	5.1	40.0	74.9	89.3	231.4	333.3	411.9	229.4	106.1	0.0	0.0
25	NAYAGARH	11.1	55.7	54.7	139.0	37.7	228.5	190.9	354.6	165.7	194.1	0.7	0.0
26	PURI	7.3	23.2	26.9	69.5	148.9	97.1	119.4	448.9	99.3	283.9	4.6	0.0
27	RAYAGADA	11.9	38.6	72.1	95.4	45.2	217.0	277.6	259.4	184.1	224.5	7.6	0.0
28	SAMBALPUR	12.2	81.4	65.8	88.6	41.9	303.4	265.5	631.1	117.1	120.3	3.0	0.0
29	SONEPUR	24.0	123.8	43.8	109.8	67.9	188.9	197.4	664.1	114.0	96.9	0.0	0.0
30	SUNDARGARH	20.3	43.0	92.5	98.9	74.6	340.6	193.6	610.4	133.9	54.9	3.8	0.0
8	**JHARKHAND**	**26.7**	**14.6**	**88.7**	**56.2**	**71.7**	**205.7**	**244.4**	**301.8**	**146.4**	**59.6**	**6.8**	**0.2**
1	BOKARO	23.1	15.9	81.8	42.9	101.5	197.0	160.7	221.0	157.1	58.2	4.5	0.0
2	CHATRA	17.1	12.9	112.8	1.7	25.2	184.7	223.5	174.4	69.1	47.7	1.4	0.0
3	DEOGHAR	9.7	42.3	47.0	14.2	91.3	75.0	206.8	126.6	167.4	44.3	0.0	0.0
4	DHANBAD	14.8	5.2	69.1	27.9	71.4	198.8	273.5	252.1	185.3	82.5	1.1	0.3
5	DUMKA	14.8	17.3	56.8	59.3	178.1	196.9	382.7	342.2	223.0	39.5	0.2	0.0
6	EAST SINGBHUM	36.4	9.6	82.1	101.4	135.5	265.5	294.5	480.7	136.5	81.6	13.6	0.0
7	GARHWA	11.0	9.4	60.0	3.2	16.6	273.8	222.0	130.9	86.4	11.2	0.8	0.0
8	GIRIDIH	19.2	7.5	95.9	16.3	76.8	197.3	224.5	297.3	191.1	38.5	2.1	0.0
9	GODDA	1.2	29.4	36.8	48.9	88.0	202.3	239.6	109.3	268.3	37.7	0.0	0.0
10	GUMLA	29.5	10.3	76.1	32.5	69.7	103.2	143.8	206.7	110.3	31.3	6.1	0.5
11	HAZARIBAG	26.6	16.7	123.8	46.9	39.0	241.5	266.7	304.4	138.9	80.4	8.5	0.0
12	JAMTARA	17.0	3.5	58.2	61.6	134.5	167.1	320.3	230.4	56.5	8.7	0.4	0.0
13	KHUNTI	28.5	6.0	95.3	93.4	51.0	155.8	182.1	373.5	164.4	40.5	10.8	0.0
14	KODERMA	13.3	8.7	74.0	27.2	58.1	185.2	310.2	196.8	199.2	77.6	1.2	0.1
15	LATEHAR	33.8	18.7	153.4	40.3	34.9	274.9	442.5	312.3	150.7	168.2	10.1	0.0
16	LOHARDAGA	53.7	23.6	114.5	36.9	82.0	174.8	301.5	311.7	99.7	145.9	22.3	2.1
17	PAKUR	21.1	6.8	50.1	62.7	126.6	112.8	301.4	223.6	251.3	50.4	0.0	0.0
18	PALAMU	17.7	26.0	110.2	12.2	38.7	301.7	297.2	278.6	126.6	89.3	7.9	1.4
19	RAMGARH	36.4	9.9	81.0	63.1	57.7	226.2	348.2	385.6	223.2	81.2	16.6	0.6
20	RANCHI	26.1	11.4	89.8	36.5	22.9	207.4	244.8	334.1	118.1	44.5	1.9	0.9
21	SAHIBGANJ	2.2	20.0	45.2	25.4	268.6	191.6	263.2	178.6	664.6	3.3	0.0	0.0
22	SERAIKELA-KHARSAWAN	22.9	8.8	92.2	133.9	55.8	189.9	195.2	275.0	72.0	48.6	19.8	0.0
23	SIMDEGA	56.5	21.6	97.7	139.8	106.7	217.4	200.1	547.9	223.4	114.1	0.0	0.0
24	WEST SINGBHUM	48.2	13.2	91.2	130.9	65.8	210.5	159.5	437.2	56.6	46.7	18.8	0.0
9	**BIHAR**	**10.8**	**25.6**	**45.9**	**55.0**	**81.7**	**305.8**	**443.5**	**202.6**	**320.5**	**29.1**	**0.8**	**0.1**
1	ARARIA	8.4	12.7	59.1	91.8	103.6	526.7	492.8	256.9	661.1	12.3	0.0	0.0
2	ARWAL	4.1	12.4	24.4	0.0	31.2	197.4	194.3	151.2	99.3	7.5	0.8	0.0

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3	AURANGABAD	9.6	32.8	59.9	11.9	30.0	266.9	194.2	170.4	176.0	19.4	6.8	1.0
4	BANKA	6.2	56.8	55.9	36.2	93.2	241.8	278.1	164.2	295.5	40.7	0.0	0.0
5	BEGUSARAI	5.2	19.6	24.2	131.3	67.8	248.1	395.9	164.7	273.4	79.3	0.0	0.0
6	BHABUA	7.5	13.4	41.3	7.3	42.8	240.5	272.5	148.4	60.5	13.0	8.5	0.6
7	BHAGALPUR	8.2	33.3	69.2	82.3	134.0	209.8	440.4	222.6	321.2	74.4	0.1	0.0
8	BHOJPUR	7.3	17.6	23.1	12.4	59.1	278.4	293.7	186.5	255.8	8.6	0.0	0.0
9	BUXAR	4.2	8.6	15.0	0.0	54.2	238.3	364.7	270.2	158.6	26.0	0.0	0.1
10	DARBHANGA	3.3	13.2	37.8	82.3	83.9	325.0	660.5	143.3	290.4	33.7	0.0	0.0
11	EAST CHAMPARAN	28.5	56.3	38.9	69.7	55.4	352.5	747.5	240.9	255.3	4.6	0.0	0.0
12	GAYA	3.9	25.9	84.5	0.2	33.8	225.0	226.9	180.6	144.2	41.0	1.6	0.0
13	GOPALGANJ	6.5	26.3	47.5	76.2	75.8	394.0	523.9	185.8	445.9	0.0	2.5	0.0
14	JAHANABAD	11.8	37.5	59.2	14.9	56.5	310.6	235.8	243.1	159.6	9.7	0.3	0.0
15	JAMUI	9.4	11.1	69.3	50.1	68.5	229.4	228.4	157.5	290.4	90.4	0.0	0.0
16	KATIHAR	2.3	33.7	47.7	76.6	108.9	163.4	488.0	310.2	580.7	56.6	0.0	0.0
17	KHAGARIA	7.0	27.6	33.5	70.8	85.2	305.9	305.4	205.5	273.0	53.2	0.0	0.0
18	KISHANGANJ	0.7	23.6	22.0	156.6	217.3	644.8	684.4	254.7	780.6	36.2	0.0	0.0
19	LAKHISARAI	5.3	15.9	67.7	36.7	86.7	278.4	300.8	127.0	314.5	35.1	0.0	0.0
20	MADHEPURA	4.4	19.1	44.0	84.4	87.1	317.0	621.7	235.8	326.7	32.9	0.0	0.0
21	MADHUBANI	8.3	9.9	27.1	60.5	73.9	336.8	532.8	208.8	269.2	7.8	0.0	0.0
22	MONGHYR	3.4	5.2	27.4	22.8	79.0	224.4	399.2	247.5	322.9	36.1	0.8	0.0
23	MUZAFFARPUR	2.4	36.7	63.8	77.1	84.7	363.5	574.0	177.5	341.7	8.4	0.0	0.0
24	NALANDA	16.7	26.1	65.3	31.9	57.7	290.4	161.2	195.5	278.5	25.3	3.6	0.0
25	NAWADA	3.2	13.8	85.6	8.0	31.0	205.7	266.5	244.5	232.0	52.3	0.0	0.0
26	PATNA	6.8	13.1	22.2	37.1	91.5	265.2	355.2	209.2	248.5	38.3	0.0	0.0
27	PURNEA	13.4	7.1	80.6	114.0	218.0	535.3	516.9	330.0	603.0	43.3	0.0	0.1
28	ROHTAS	7.1	43.5	56.8	3.7	74.1	243.7	216.7	214.8	115.8	24.7	1.0	0.9
29	SAHARSA	5.2	18.2	25.5	72.3	30.6	255.1	360.0	161.8	235.1	42.5	0.0	0.0
30	SAMASTIPUR	6.4	11.5	31.2	119.5	90.1	299.1	573.0	198.4	310.7	22.1	0.0	0.0
31	SARAN	1.2	28.0	23.4	46.7	81.3	323.5	452.6	128.4	325.0	38.9	0.0	0.0
32	SHEIKHPURA	3.7	11.4	38.8	7.0	62.2	121.1	179.3	132.9	238.7	11.2	0.0	0.0
33	SHEOHAR	2.5	42.2	29.2	60.8	48.2	273.7	750.4	173.2	355.2	4.6	0.0	0.0
34	SITAMARHI	14.8	22.7	18.7	104.0	108.1	331.9	685.1	225.7	293.6	2.8	0.0	0.0
35	SIWAN	5.7	20.1	30.3	44.9	69.6	323.4	521.1	130.6	246.2	1.1	0.4	0.0
36	SUPAUL	6.4	21.6	37.1	57.1	78.2	467.9	627.8	155.4	477.8	29.5	0.0	0.0
37	VAISHALI	4.3	35.5	27.1	65.0	89.0	304.8	444.7	108.0	238.5	25.6	0.0	0.0
38	WEST CHAMPARAN	66.1	47.2	30.5	64.8	101.9	312.4	850.5	253.6	607.8	4.3	0.0	0.0
	UTTAR PRADESH	30.4	12.0	42.4	14.2	37.6	140.8	230.4	194.1	84.4	0.7	5.9	1.1
10	**EAST UTTAR PRADESH**	27.6	13.6	38.3	14.8	44.7	201.2	262.8	189.9	128.4	1.2	6.8	1.1
1	ALLAHABAD	16.5	5.4	34.8	21.9	35.6	147.0	228.5	223.0	135.2	0.0	2.5	5.4
2	AMBEDKAR NAGAR	13.0	17.0	31.0	13.2	50.0	572.0	405.0	100.0	253.0	0.0	18.0	0.0
3	AMETHI	21.7	11.0	17.7	15.8	35.5	198.9	168.0	142.1	113.0	15.0	7.7	0.1
4	AZAMGARH	3.8	10.7	41.8	5.9	23.7	186.8	239.8	162.3	248.3	5.5	0.0	0.0
5	BAHRAICH	46.1	32.7	59.4	11.1	103.0	240.6	432.2	214.9	75.5	0.0	5.8	0.0
6	BALLIA	2.0	8.3	18.0	2.4	45.0	203.5	301.1	135.3	220.1	4.3	0.8	0.0
7	BALRAMPUR	74.4	32.6	74.1	0.0	49.3	428.4	251.3	280.7	150.8	0.0	6.0	0.0
8	BANDA	44.1	0.0	12.6	32.9	39.6	256.6	142.1	240.1	107.1	0.0	1.5	0.0
9	BARABANKI	87.2	12.8	67.8	7.3	60.3	165.5	445.0	370.2	97.2	0.0	15.6	0.0
10	BASTI	40.5	50.9	74.2	35.8	85.6	473.7	522.0	262.3	361.5	1.1	2.9	0.0

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11	CHANDAULI	5.0	0.0	19.0	4.0	41.0	155.0	163.2	106.0	91.0	2.0	1.5	1.0
12	CHITRAKOOT	18.5	1.0	47.0	28.0	98.0	333.5	213.5	384.9	297.4	0.0	7.5	13.5
13	DEORIA	5.5	21.0	19.5	55.5	62.5	273.0	351.7	207.0	257.0	0.0	0.5	0.0
14	FAIZABAD	14.9	68.3	61.8	5.5	47.5	245.9	204.7	224.0	118.1	2.3	5.3	0.0
15	FARRUKHABAD	22.0	0.4	30.2	16.0	16.2	25.2	114.8	200.0	46.5	0.0	11.8	0.0
16	FATEHPUR	30.5	0.0	12.2	18.2	42.8	91.0	222.6	111.5	78.4	0.0	0.0	0.0
17	GHAZIPUR	0.0	8.6	17.8	3.0	52.1	192.2	211.0	136.3	156.0	0.0	0.0	2.0
18	GONDA	61.2	19.9	77.0	7.7	90.4	236.1	348.1	201.7	65.6	0.0	7.2	0.0
19	GORAKHPUR	22.9	31.4	44.1	16.6	59.0	400.2	614.2	160.1	294.8	2.2	5.3	0.0
20	HARDOI	22.9	2.8	26.6	10.9	24.0	69.7	112.5	137.2	30.2	0.0	10.8	0.0
21	JAUNPUR	1.7	3.4	15.4	5.5	17.9	93.9	204.3	102.1	126.6	0.9	0.4	1.1
22	KANNAUJ	35.5	0.6	33.0	12.0	39.6	82.2	171.9	216.9	34.9	0.0	33.1	0.0
23	KANPUR CITY	65.8	2.8	34.7	15.3	37.3	81.0	205.9	212.0	64.2	0.0	15.7	0.0
24	KANPUR DEHAT	31.6	0.5	13.6	4.6	17.4	38.9	89.9	130.1	9.0	0.0	8.2	0.0
25	KAUSHAMBI	14.6	0.0	12.5	0.0	17.6	72.3	75.6	65.2	30.5	0.0	0.0	0.0
26	KHERI	29.4	30.5	52.6	7.5	68.1	120.4	320.0	303.6	107.9	0.0	3.9	0.0
27	KUSHI NAGAR	17.3	4.5	14.7	7.8	10.5	88.0	363.5	63.5	205.2	0.0	0.0	0.0
28	LUCKNOW	59.3	4.2	42.4	22.0	65.5	78.5	179.8	189.5	45.7	0.0	21.5	0.0
29	MAHARAJGANJ	37.0	25.0	29.8	19.6	38.2	275.5	465.3	69.8	292.0	0.0	0.0	0.0
30	MAU	0.0	1.0	11.0	18.5	18.5	110.5	217.5	115.0	118.0	0.0	0.0	0.0
31	MIRZAPUR	24.0	6.0	79.2	9.5	18.5	310.8	242.9	191.5	50.8	0.3	8.5	0.0
32	PRATAPGARH	17.7	5.0	19.3	24.0	40.3	160.2	335.0	229.7	122.3	0.0	0.0	0.0
33	RAE BAREILLY	10.9	3.6	9.6	15.6	27.6	87.9	108.6	134.5	38.4	0.0	3.5	0.0
34	SANT KABIR NAGAR	39.0	22.0	25.0	9.0	21.5	384.5	507.0	229.0	190.3	0.0	6.5	0.0
35	SANT RAVIDAS NAGAR	28.0	16.0	48.0	55.0	47.0	279.0	324.0	188.0	152.0	0.0	0.0	0.0
36	SHRAWASTI NAGAR		37.1	62.0	0.0	20.7	316.6	292.9	187.0	113.8	0.0	3.6	0.0
37	SIDDHARTH NAGAR	28.0	39.7	50.5	32.0	32.4	500.2	471.8	81.6	303.6	0.0	0.4	0.0
38	SITAPUR	18.7	11.4	33.7	6.0	25.1	98.4	207.1	241.9	29.6	0.0	10.5	0.0
39	SONBHADRA	11.7	11.2	63.3	15.4	43.1	267.2	189.9	156.7	146.3	5.8	24.6	9.2
40	SULTANPUR	20.1	14.7	55.6	16.3	54.3	309.5	275.8	233.9	176.7	1.4	10.6	0.0
41	UNNAO	59.3	2.5	17.0	21.5	35.8	44.3	118.3	161.0	33.5	0.0	6.5	0.0
42	VARANASI	11.1	16.7	44.6	40.1	39.5	285.7	236.5	194.6	141.3	14.5	3.3	4.5
1	AGRA	20.1	0.1	24.9	7.2	32.4	42.6	90.5	175.5	13.3	0.0	12.5	0.0
3	AURAIYA	31.0	0.0	26.0	5.0	13.0	96.9	121.0	128.2	9.5	0.0	7.0	0.0
4	BADAUN	29.3	17.3	59.0	8.3	17.0	34.3	248.0	136.8	2.8	0.0	3.8	0.0
5	BAGHPAT	26.0	7.0	75.0	3.0	61.0	43.0	114.0	141.0	0.0	0.0	0.0	0.0
6	BAREILLY	67.4	22.6	80.6	48.8	47.5	109.8	294.2	211.8	30.0	0.0	2.5	0.0
7	BIJNOR	64.8	48.0	89.8	32.8	27.0	37.7	318.8	501.1	4.8	0.0	0.2	7.0
8	BULANDSHAHAR	16.2	7.0	44.4	8.0	19.1	10.3	97.0	107.2	6.6	0.0	0.8	0.0
9	ETAH	21.8	3.7	36.1	8.3	15.7	21.3	100.7	226.7	18.7	0.0	26.7	0.0
10	ETAWAH	39.0	0.0	29.5	7.0	17.2	62.0	130.1	240.5	3.7	0.0	16.2	0.0
11	FIROZABAD	19.5	0.0	37.5	13.5	72.6	70.4	132.6	222.6	4.9	0.0	20.2	0.0
12	GAUTAM BUDDHA NAGAR	8.5	0.0	14.6	1.5	5.0	6.0	11.0	49.3	2.0	0.0	1.0	0.0
13	GHAZIABAD	12.8	0.8	44.9	3.8	20.3	15.5	53.5	87.7	0.0	0.0	1.1	1.4
14	HAMIRPUR	33.3	0.3	15.7	12.0	38.3	106.3	270.6	221.0	59.3	0.0	1.3	0.0
15	HAPUR	75.0	0.0	69.0	5.0	42.0	35.0	144.6	209.2	0.0	0.0	0.0	2.3
16	JALAUN	33.0	0.0	6.0	10.6	11.4	46.8	188.3	137.7	44.8	0.0	0.0	0.0
17	JHANSI	25.3	0.0	11.6	1.6	19.1	98.6	158.7	206.2	33.0	0.0	1.1	0.0

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18	JYOTIBA PHULE NAGAR	35.0	0.0	41.0	23.0	36.5	11.6	176.3	168.5	21.0	0.0	0.3	0.0
19	KANSHIRAM NAGAR	28.6	10.0	49.6	7.1	10.4	60.1	127.9	178.5	23.0	0.0	5.3	0.0
20	LALITPUR	31.0	0.0	6.5	0.0	1.0	89.6	144.1	312.8	54.0	0.0	1.7	5.3
21	MAHAMAYA NAGAR	34.4	9.0	54.6	7.1	11.7	35.1	103.2	207.3	6.4	0.0	11.1	0.0
22	MAHOBA	9.9	0.0	12.9	4.3	17.6	66.2	77.2	149.2	38.9	0.0	2.5	0.0
23	MAINPURI	26.8	1.0	46.7	6.6	55.4	39.2	144.3	193.5	27.7	0.0	9.0	0.0
24	MATHURA	15.0	0.0	38.0	0.0	11.0	22.1	49.5	111.0	0.0	0.0	2.2	0.0
25	MEERUT	31.6	11.0	41.0	9.9	34.3	29.5	221.1	131.3	0.0	0.0	1.2	6.1
26	MORADABAD	63.4	31.2	70.7	23.4	20.3	53.6	227.2	346.1	3.6	0.0	0.0	0.0
27	MUZAFFARNAGAR	58.2	24.8	112.2	22.1	57.1	52.5	266.2	215.0	56.8	0.0	0.8	1.0
28	PILIBHIT	59.2	7.2	55.2	7.1	38.5	99.4	344.1	158.8	18.9	0.0	0.3	0.0
29	RAMPUR	49.8	6.6	25.5	14.4	27.3	55.2	108.9	142.0	14.4	0.0	0.0	0.0
30	SAHARANPUR	55.3	16.3	81.0	28.3	51.8	74.7	311.0	293.7	44.0	0.0	12.8	4.2
31	SAMBHAL	41.0	14.5	33.5	20.5	29.5	27.5	260.5	168.5	0.0	0.0	1.5	0.0
32	SHAHJAHANPUR	13.7	10.0	53.3	28.4	27.0	31.0	288.4	111.4	16.0	0.0	6.3	0.0
33	SHAMLI	17.0	17.0	69.0	11.0	20.0	21.0	138.0	167.0	0.0	0.0	0.0	0.0
12	**UTTARAKHAND**	**131.9**	**38.9**	**117.8**	**51.8**	**71.8**	**145.5**	**367.3**	**370.1**	**60.2**	**0.1**	**9.6**	**8.0**
1	ALMORA	109.0	45.6	110.3	15.8	57.4	126.0	217.7	239.5	13.4	0.0	0.0	2.8
2	BAGESHWAR	108.2	40.8	113.3	49.1	102.3	340.9	708.9	812.7	129.9	0.0	1.6	4.5
3	CHAMOLI	154.5	7.2	86.0	43.0	56.3	84.5	312.7	407.0	41.1	0.5	7.2	8.0
4	CHAMPAWAT	116.0	51.5	66.0	35.5	43.8	124.5	265.9	192.3	57.6	0.0	0.0	0.5
5	DEHRADUN	124.7	69.5	157.1	68.4	36.6	124.4	446.2	465.0	94.3	0.0	31.5	16.4
6	GARHWAL PAURI	128.5	46.1	116.6	27.3	36.9	77.7	273.3	246.0	44.6	0.0	3.8	5.2
7	GARHWAL TEHRI	200.7	29.1	149.4	49.4	36.5	127.5	269.6	283.4	26.4	0.0	8.7	11.3
8	HARDWAR	75.5	33.9	136.0	21.6	69.9	77.5	352.4	325.0	42.6	0.0	19.7	14.3
9	NAINITAL	133.9	70.7	131.8	37.6	108.3	144.7	372.6	349.9	85.0	0.0	0.0	4.3
10	PITHORAGARH	143.4	56.1	106.4	71.2	112.2	305.2	602.9	541.1	98.7	0.2	0.0	2.6
11	RUDRAPRAYAG	143.9	39.7	159.1	72.8	110.2	193.8	339.7	406.1	37.5	0.0	14.2	4.6
12	UDHAM SINGH NAGAR	80.8	33.8	40.0	80.5	62.7	180.0	460.8	307.3	96.3	0.0	0.5	3.3
13	UTTARKASHI	119.7	20.2	146.4	73.3	79.3	73.3	246.8	272.7	40.6	0.0	29.5	17.9
13	**HAR. CHD & DELHI**	**23.1**	**6.7**	**69.1**	**7.9**	**40.9**	**47.4**	**166.3**	**140.9**	**25.2**	**0.0**	**6.5**	**2.1**
	HARYANA	**23.0**	**6.8**	**69.1**	**7.7**	**41.7**	**47.7**	**166.1**	**137.4**	**24.8**	**0.0**	**6.6**	**2.1**
1	AMBALA	56.5	2.1	87.7	35.1	69.6	69.2	161.3	298.3	18.3	0.0	11.7	12.3
2	BHIWANI	6.8	3.2	53.4	1.0	30.7	28.1	96.4	38.7	25.9	0.0	1.1	0.5
3	FARIDABAD	32.3	0.3	93.7	12.3	36.3	91.2	208.8	252.0	16.0	0.0	3.3	0.0
4	FATEHABAD	19.7	11.3	44.0	3.7	21.0	24.1	138.0	96.7	24.5	0.0	1.9	0.0
5	GURGAON	14.9	1.3	41.8	3.3	19.0	34.0	150.0	292.3	31.3	0.0	0.8	0.0
6	HISAR	6.7	10.4	48.5	2.9	34.6	26.1	150.3	40.4	32.5	0.0	9.3	0.3
7	JHAJJAR	10.4	4.4	43.1	4.3	18.3	47.7	164.8	132.6	21.5	0.0	0.2	0.7
8	JIND	14.5	2.2	66.2	2.8	36.7	62.9	178.4	38.7	3.2	0.0	10.8	0.0
9	KAITHAL	23.0	5.2	73.4	12.7	56.7	78.3	304.8	77.9	7.5	0.0	8.5	6.8
10	KARNAL	58.4	13.7	99.9	17.5	50.6	109.7	365.2	218.4	12.2	0.0	25.8	2.2
11	KURUKSHETRA	52.8	4.0	78.1	18.0	58.3	119.7	289.5	127.0	7.7	0.0	16.0	12.9
12	MAHENDRAGARH	1.2	2.4	73.1	3.5	24.7	27.3	91.0	101.0	36.8	0.0	0.0	0.0
13	MEWAT	6.3	0.0	71.8	4.5	41.0	30.5	87.5	302.5	35.5	0.0	1.8	0.0
14	PALWAL	15.0	1.8	99.0	6.5	35.0	15.0	101.0	205.5	0.0	0.0	6.3	0.0
15	PANCHKULA	37.1	8.2	68.8	11.1	28.0	38.6	109.0	151.9	22.8	0.0	6.8	5.0
16	PANIPAT	33.0	19.0	65.5	2.5	46.0	37.0	153.3	172.0	9.8	0.0	4.8	1.3

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17	REWARI	14.4	3.4	76.0	8.8	54.6	69.8	49.7	145.1	54.6	0.0	0.6	0.0
18	ROHTAK	10.9	4.3	66.7	4.6	25.2	19.4	95.8	88.3	12.4	0.0	0.5	1.0
19	SIRSA	20.1	10.8	48.2	6.4	42.5	31.1	128.4	72.2	70.2	0.0	9.2	0.3
20	SONEPAT	21.3	21.5	119.0	4.0	99.8	34.3	241.5	183.3	9.0	0.0	3.0	0.5
21	YAMUNA NAGAR	95.5	12.8	95.1	19.8	61.0	59.8	273.8	330.7	20.8	0.0	18.5	14.2
	CHANDIGARH (UT)	47.7	5.5	72.5	43.1	54.5	131.1	277.1	373.2	9.8	0.0	22.7	9.5
	DELHI	23.8	2.2	69.4	14.6	15.5	30.5	166.2	233.1	37.9	0.0	0.6	0.2
1	CENTRAL DELHI	31.0	0.0				30.0	89.8	103.1	27.3	0.0	6.3	0.0
2	EAST DELHI	23.6	1.0	59.2	29.2	30.4	28.0	137.2	294.6	36.4	0.0	0.0	4.2
3	NEW DELHI	34.7	1.2	81.2	9.0	15.4	50.2	206.4	183.8	17.2	0.0	0.3	0.5
4	NORTH DELHI	36.8	0.9	105.5	6.5	47.5	43.2	243.0	309.3	23.6	0.0	2.9	0.0
5	NORTH EAST DELHI	23.5	6.1	131.4	3.0	19.5	34.0	150.0	217.5	13.7	0.0	0.0	0.0
6	NORTH WEST DELHI	6.0	3.5			12.0	4.0	69.1	203.5	44.5	0.0	0.0	0.0
7	SOUTH DELHI	21.2	1.2	71.9	18.3	8.4	51.9	166.9	267.4	41.6	0.0	0.2	0.0
8	SOUTH WEST DELHI	33.5	1.6	54.5	15.3	16.1	46.9	256.3	230.2	44.2	0.0	0.9	0.0
9	WEST DELHI	48.0	2.0		9.0	15.0	14.0	193.5	257.1	13.6	0.0	1.0	0.0
14	**PUNJAB**	45.7	7.3	80.0	16.9	27.9	46.1	185.2	134.1	22.1	0.0	11.9	8.4
1	AMRITSAR	53.8	17.8	60.2	31.5	10.6	40.3	160.2	162.3	18.1	0.0	12.8	12.4
2	BARNALA	34.0	7.0	82.0	2.0	52.0	34.2	252.6	87.6	5.0	0.0	9.0	1.0
3	BHATINDA	35.6	7.5	74.3	0.0	15.0	32.0	160.9	108.5	17.9	0.0	7.3	3.0
4	FARIDKOT	38.6	1.2	56.7	7.0	31.2	16.0	225.9	164.8	118.5	0.0	4.4	2.8
5	FATEHGARH SAHIB	34.7	0.7	112.8	26.7	58.0	110.8	228.7	84.7	4.3	0.0	9.3	7.1
6	FEROZEPUR	43.2	0.4	67.1	10.8	8.7	14.6	109.6	98.0	35.2	0.0	5.0	2.5
7	GURDASPUR	123.8	12.3	171.6	30.3	39.2	118.1	249.3	450.5	20.5	0.0	28.3	35.9
8	HOSHIARPUR	43.8	5.9	66.1	20.4	17.2	51.5	84.5	116.8	12.9	0.0	10.0	15.2
9	JALANDHAR	34.9	11.9	87.4	19.1	26.4	42.7	147.4	128.3	28.8	0.0	19.0	10.7
10	KAPURTHALA	32.3	10.8	98.6	40.7	18.8	78.9	150.0	81.4	76.2	0.0	19.0	8.1
11	LUDHIANA	34.3	1.4	81.1	18.1	38.2	47.6	177.6	100.4	11.7	0.0	15.7	3.1
12	MANSA	14.9	4.8	45.2	0.8	18.6	16.8	65.5	46.2	7.9	0.0	5.3	0.4
13	MOGA	47.3	0.0	55.0	5.4	26.6	62.0	106.9	43.2	39.3	0.0	19.2	0.0
14	MUKTSAR	27.0	9.3	55.3	4.6	10.2	39.9	225.0	93.1	48.9	0.0	3.1	3.5
15	NAWANSHAHAR	65.4	17.4	121.0	26.3	63.4	108.8	175.0	142.0	0.0	0.0	23.6	20.0
16	PATIALA	43.0	2.0	88.5	38.9	69.7	41.2	239.8	107.1	4.4	0.0	11.7	7.9
17	ROPAR	61.5	17.6	87.3	31.4	11.3	54.3	274.4	335.9	14.0	0.0	18.2	25.2
18	SANGRUR	33.6	3.9	61.4	3.8	25.4	39.2	325.7	82.8	13.6	0.0	6.7	3.1
19	SAS NAGAR (MOHALI)	44.8	4.5	75.7	17.8	6.2	88.7	173.1	208.7	13.5	0.0	13.3	9.4
20	TARN TARAN	59.2	12.1	91.2	20.6	31.7	12.7	80.4	61.1	12.8	0.0	13.6	4.6
15	**HIMACHAL PRADESH**	124.5	12.6	159.7	53.1	58.0	68.1	203.5	265.4	29.9	0.5	42.4	34.3
1	BILASPUR	126.9	14.1	200.0	33.3	70.7	51.3	378.1	472.1	55.3	0.0	27.8	43.9
2	CHAMBA	120.6	4.2	258.7	90.4	53.5	83.8	145.7	216.4	31.6	0.3	42.1	55.3
3	HAMIRPUR	108.3	15.9	177.3	37.0	61.2	80.7	291.6	395.0	48.8	0.0	19.4	32.3
4	KANGRA	124.2	12.0	226.8	53.7	80.2	149.3	390.0	620.5	57.5	0.0	23.9	40.3
5	KINNAUR	141.9	4.2	84.4	32.1	18.7	19.6	55.7	34.7	5.0	0.0	43.2	10.8
6	KULLU	199.9	1.9	214.7	111.3	64.2	63.9	194.0	249.2	21.2	0.3	89.7	30.6
7	LAHAUL & SPITI	90.6	14.7	75.8	38.1	51.3	26.9	38.9	32.0	7.7	2.3	49.1	43.8
8	MANDI	125.5	11.9	137.2	74.1	81.2	107.8	260.3	392.1	58.4	0.0	31.7	21.2
9	SHIMLA	130.6	18.0	140.1	56.1	70.9	80.8	187.1	169.1	20.4	0.0	51.5	18.7
10	SIRMAUR	134.3	29.7	184.5	43.0	47.7	112.2	277.2	428.2	37.4	0.0	40.6	22.8

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11	SOLAN	156.8	37.7	189.2	48.6	36.2	106.8	334.6	327.5	11.9	0.0	41.9	22.8
12	UNA	57.3	5.7	129.4	24.7	61.1	71.2	272.2	370.7	26.7	0.0	25.8	21.2
16	**J & K AND LADAKH**	143.3	21.0	201.2	66.4	63.6	48.3	96.0	204.3	30.8	0.1	49.7	58.3
	JAMMU & KASHMIR(UT)	143.3	21.0	201.2	66.4	63.6	48.3	96.0	204.3	30.8	0.1	49.7	58.3
1	ANANTNAG	116.3	13.1	110.7	76.6	55.7	38.0	40.4	107.2	32.4	0.0	27.9	46.1
2	BADGAM	63.0	6.7	120.5	56.2	42.3	42.2	9.9	62.5	7.5	0.0	15.4	20.6
3	BANDIPORE	39.5	7.0	99.0	68.5	61.8	9.0	2.5	28.0	18.5	0.0	40.0	21.0
4	BARAMULA	158.2	21.0	147.0	53.9	87.3	32.2	26.3	96.7	38.7	0.3	76.5	43.5
5	DODA	260.5	10.7	276.4	56.2	118.1	27.1	63.2	143.9	30.5	0.0	26.8	41.1
6	GANDERBAL	142.6	10.2	113.2	149.4	85.4	34.6	40.0	140.1	73.0	0.0	107.8	90.8
7	JAMMU	110.1	22.6	164.9	19.6	20.4	36.7	116.6	403.1	15.5	0.0	12.5	31.6
8	KATHUA	89.5	24.6	182.8	42.1	36.5	107.3	412.3	499.2	9.6	0.0	19.3	39.1
9	KISTWAR							33.0	71.0	21.0	0.0	57.0	85.0
10	KULGAM	206.1	17.9	228.4	114.5	47.9	22.1	35.8	127.7	24.2	0.8	36.1	38.6
11	KUPWARA	227.2	80.9	147.3	139.6	104.0	45.4	22.8	75.6	33.4	0.4	158.3	117.5
12	POONCH	87.0	27.0		90.0	58.0		42.0	327.0	69.0	1.0	102.0	57.0
13	PULWAMA	108.8	3.4	91.8	48.2	29.4	25.7	5.1	40.0	11.2	0.0	10.8	21.1
14	RAJOURI	86.3	10.2	204.9	29.4	29.4	73.6	120.4	291.2	30.2	0.0	27.6	41.8
15	RAMBAN	235.0	30.0	335.4	123.4	62.5	41.6	40.5	262.8	45.1	0.0	68.2	74.7
16	REASI	176.8	38.0	330.7	50.0	42.3	66.9	477.5	794.9	84.8	0.0	49.3	68.1
17	SAMBA	79.5	1.5				16.0	272.0	473.0	41.0	0.0	23.0	29.0
18	SHOPIAN	20.0	0.0				2.0	9.0	43.0	5.0	0.0	4.0	14.0
19	SRINAGAR	96.4	3.9	116.4	73.7	51.1	46.9	13.5	115.4	47.9	0.0	28.1	60.6
20	UDHAMPUR	65.3	20.0	373.0	51.5	45.6	98.4	173.8	292.8	17.2	0.0	43.2	87.5
	LADAKH (UT)	0.0	1.0	2.2	3.5	1.9	4.8	2.9	4.8	0.2	0.0	1.5	2.5
1	KARGIL		3.6		10.0		2.4	0.0	0.1	0.0	0.0	0.8	7.6
2	LADAKH (LEH)	0.0	0.2	2.2	1.5	1.9	5.5	3.8	6.2	0.2	0.0	1.7	0.9
	RAJASTHAN	5.8	0.1	22.3	5.6	20.9	53.0	99.9	223.8	73.5	3.5	2.3	0.3
17	**EAST RAJASTHAN**	2.8	0.1	21.8	6.5	18.0	73.9	118.0	320.4	81.3	3.6	5.1	0.5
		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	0.0	0.0	13.1	6.9	27.4	42.1	108.8	228.8	61.1	1.6	3.6	0.0
2	ALWAR	1.9	1.1	77.0	9.2	24.5	60.7	87.2	198.6	51.3	0.0	3.0	0.0
3	BANSWARA	0.0	0.0	6.9	0.4	0.0	117.4	134.0	634.8	150.5	5.1	0.0	4.4
4	BARAN	10.9	0.5	13.6	1.1	0.9	119.6	135.1	305.5	54.8	6.6	1.5	2.6
5	BHARATPUR	9.9	0.0	38.4	7.6	34.8	51.9	116.2	252.6	48.2	0.0	7.5	0.0
6	BHILWARA	0.2	0.0	19.8	7.1	18.9	76.6	74.0	324.7	91.4	1.5	1.1	0.0
7	BUNDI	0.5	0.0	14.0	2.2	14.3	57.0	81.5	270.2	47.2	2.3	17.0	0.0
8	CHITTORGARH	0.3	0.0	20.6	4.9	10.8	87.5	146.7	301.6	111.1	20.5	6.5	0.2
9	DAUSA	0.0	0.0	13.0	4.0	31.6	42.8	139.0	266.6	27.6	0.0	10.6	0.0
10	DHOLPUR	19.3	0.0	24.2	4.5	24.8	60.8	125.8	190.7	16.0	0.0	24.3	0.0
11	DUNGARPUR	0.0	0.0	3.7	0.0	0.0	72.0	145.4	549.6	115.0	6.2	0.0	2.8
12	JAIPUR	0.3	0.0	23.9	11.0	32.2	52.7	107.6	352.6	53.1	0.9	7.2	0.1
13	JHALAWAR	4.5	0.0	10.2	0.6	1.4	182.8	134.5	383.2	91.5	1.3	0.5	0.0
14	JHUNJHUNU	2.3	0.2	21.4	12.0	20.5	56.6	88.8	90.9	85.9	0.0	0.0	0.0
15	KARAULI	12.8	0.0	12.5	1.8	20.2	59.8	142.0	278.0	26.8	0.0	19.0	0.0
16	KOTA	4.4	0.0	19.4	4.4	4.1	122.6	147.7	255.8	84.9	0.0	1.6	0.5
17	PRATAPGARH	0.0	0.0	8.6	1.4	1.4	126.8	150.8	572.4	173.2	11.0	0.0	4.8
18	RAJSAMAND	0.0	0.0	26.0	15.4	21.9	93.7	111.6	324.6	96.3	6.4	0.1	0.0

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19	SAWAI MADHOPUR	7.1	0.0	14.4	8.6	24.1	45.3	147.4	285.0	50.4	4.2	19.1	0.0
20	SIKAR	1.4	0.0	39.3	19.7	32.4	73.2	132.3	175.8	56.9	0.0	1.6	0.0
21	SIROHI	0.0	0.0	9.2	0.9	9.2	47.2	127.0	644.8	204.6	2.0	0.0	0.0
22	TONK	4.3	0.0	12.4	7.0	25.3	32.1	86.4	254.0	60.0	1.8	10.0	0.0
23	UDAIPUR	0.0	0.0	20.6	4.4	11.6	68.0	128.4	407.0	121.9	7.6	0.2	0.5
18	**WEST RAJASTHAN**	8.1	0.0	22.7	4.9	23.2	36.4	85.4	147.0	67.4	3.5	0.2	0.1
1	BARMER	4.9	0.0	12.4	0.9	15.2	38.0	48.3	160.8	57.6	5.8	0.0	0.2
2	BIKANER	13.4	0.1	22.0	8.1	36.2	20.3	66.5	86.5	46.0	0.0	0.0	0.0
3	CHURU	5.0	0.0	36.4	6.8	28.9	67.8	165.7	104.8	63.6	3.3	0.0	0.0
4	HANUMANGARH	23.6	0.0	61.6	0.6	43.3	28.3	73.0	74.3	46.3	0.0	1.7	0.4
5	JAISALMER	9.9	0.0	19.5	3.6	6.8	20.1	53.6	112.8	65.5	0.0	0.1	0.0
6	JALORE	0.0	0.0	14.0	0.0	5.1	45.1	95.1	341.0	71.3	14.9	0.0	0.0
7	JODHPUR	3.7	0.0	20.7	5.1	23.3	47.2	103.0	187.8	106.6	7.2	0.0	0.0
8	NAGAUR	0.0	0.0	18.3	11.3	38.8	46.3	171.7	143.9	79.9	1.3	0.0	0.0
9	PALI	0.2	0.0	13.1	6.8	32.5	58.4	87.4	301.9	94.5	9.3	0.0	0.0
10	SRI GANGANAGAR	32.1	0.6	48.1	4.7	23.0	27.1	60.3	43.8	36.8	0.0	0.9	1.2
	MADHYA PRADESH	21.2	9.3	26.2	8.3	16.9	201.0	181.6	479.1	130.0	16.8	4.5	7.2
19	**EAST MADHYA PRADESH**	33.7	19.0	41.3	16.7	24.7	212.5	200.0	484.3	128.3	26.0	6.2	5.7
1	ANUPPUR	48.7	39.9	92.1	28.1	24.6	247.5	286.7	466.5	177.3	74.5	3.7	1.6
2	BALAGHAT	102.7	27.2	60.1	7.1	11.4	168.0	238.2	661.2	130.1	77.1	12.2	1.0
3	CHHATARPUR	27.5	0.0	20.9	19.7	20.4	114.9	159.2	344.5	101.4	0.0	7.3	15.4
4	CHHINDWARA	42.0	23.0	50.9	15.5	18.2	256.0	229.7	647.5	226.8	42.7	4.1	2.9
5	DAMOH	20.0	0.0	14.5	5.5	10.4	155.0	142.3	569.3	101.9	0.1	2.6	9.9
6	DINDORI	36.8	32.5	179.3	26.7	44.6	241.9	322.9	577.4	141.7	46.3	4.1	2.3
7	JABALPUR	27.5	2.1	21.3	0.7	18.0	114.7	203.1	627.3	88.7	2.4	5.3	1.0
8	KATNI	35.2	8.4	11.2	27.2	17.0	186.3	134.2	431.4	51.4	4.8	8.7	5.4
9	MANDLA	34.9	62.4	41.2	38.1	21.0	203.7	241.3	627.2	142.5	45.9	8.0	2.2
10	NARSINGHPUR	23.1	0.0	2.4	13.8	1.6	171.8	173.8	638.6	143.8	0.0	0.0	1.2
11	PANNA	24.3	3.6	41.3	7.3	51.7	292.8	159.3	348.1	110.3	0.0	9.7	13.2
12	REWA	17.8	16.2	16.9	8.3	30.8	251.9	277.6	281.5	169.9	2.5	9.7	5.6
13	SAGAR	15.3	0.1	17.2	7.6	15.2	191.3	160.8	491.7	94.9	0.0	3.5	9.2
14	SATNA	18.0	3.6	6.7	12.0	26.0	243.6	123.0	311.9	103.7	2.4	7.6	8.7
15	SEONI	17.9	31.2	35.8	18.4	24.4	248.7	219.5	534.3	144.2	25.6	6.8	3.0
16	SHAHDOL	48.0	70.0	115.2	32.0	9.0	201.3	186.9	388.9	90.9	59.8	2.6	1.8
17	SIDHI	17.8	11.0	10.8	21.0	74.9	298.9	201.2	264.2	104.7	15.4	10.7	13.1
18	SINGRAULI	25.0	38.2	32.6	15.0	57.5	335.9	217.5	272.7	235.8	54.7	4.9	5.1
19	TIKAMGARH	44.3	0.0	16.0	0.3	12.0	107.9	143.3	402.7	56.0	0.0	3.7	5.4
20	UMARIA	38.3	13.8	99.5	54.0	34.6	247.5	216.2	564.3	65.6	85.0	6.7	1.8
20	**WEST MADHYA PRADESH**	11.7	1.8	14.6	1.9	10.9	192.2	167.5	475.2	131.2	9.8	3.1	8.3
1	AGAR-MALWA	16.3	0.0	11.3	0.0	0.0	242.7	188.6	467.4	82.8	2.6	0.0	14.3
2	ALIRAJPUR	0.0	0.0	4.5	0.0	0.0	161.4	150.0	437.4	189.9	12.2	0.0	22.9
3	ASHOKNAGAR	16.8	4.0	4.3	0.0	29.3	182.3	218.3	484.5	55.0	0.5	4.8	1.3
4	BARWANI	0.0	0.0	2.0	0.6	0.8	265.3	171.4	237.7	175.3	10.1	0.0	26.7
5	BETUL	36.1	9.2	42.9	2.6	12.2	242.9	164.3	545.8	166.2	32.1	2.2	4.2
6	BHIND	49.3	0.0	38.3	4.4	36.9	67.3	151.7	215.7	14.0	0.0	31.8	0.0
7	BHOPAL	6.5	0.0	27.6	0.1	35.5	416.3	111.5	585.4	136.3	22.7	0.1	12.2
8	BURHANPUR	6.1	0.0	1.1	0.0	3.4	162.9	285.4	271.5	124.2	37.5	0.0	4.5

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9	DATIA	34.5	0.0	15.3	8.5	16.8	109.9	206.0	211.1	30.5	0.0	10.5	0.0
10	DEWAS	0.8	0.0	6.6	0.0	2.7	349.4	142.2	617.8	277.8	3.4	0.0	9.1
11	DHAR	0.0	0.0	4.1	0.0	0.6	167.9	130.2	341.6	220.5	15.9	0.0	21.5
12	GUNA	23.7	0.0	4.5	3.4	5.4	184.0	121.2	480.4	61.6	6.5	6.8	5.0
13	GWALIOR	50.6	0.8	26.3	4.5	30.6	45.9	159.4	288.5	25.6	0.0	19.7	0.0
14	HARDA	1.4	1.0	13.0	1.6	1.9	233.1	203.3	623.8	99.6	14.1	0.0	10.0
15	HOSHANGABAD	6.8	0.0	12.3	1.5	17.6	170.1	172.6	849.5	118.0	4.5	0.0	3.0
16	INDORE	0.0	0.0	4.8	0.0	6.0	202.8	195.4	534.5	271.1	36.5	0.0	17.6
17	JHABUA	0.0	0.0	3.1	0.5	0.0	183.9	174.4	491.9	160.6	2.7	0.0	15.6
18	KHANDWA	4.0	0.0	21.1	0.0	0.0	196.0	245.3	423.3	141.8	4.3	0.0	11.5
19	KHARGONE	0.0	0.0	1.7	0.0	0.3	223.7	169.2	276.9	174.0	10.3	0.0	15.2
20	MANDSAUR	0.0	0.0	5.8	0.0	3.3	114.5	119.8	328.4	58.1	5.2	0.4	7.6
21	MORENA	26.3	0.0	42.5	2.2	21.6	105.5	192.3	206.5	19.7	0.0	18.5	0.0
22	NEEMUCH	1.3	0.0	14.4	14.7	11.0	141.0	152.3	313.3	62.3	38.7	0.0	3.0
23	RAISEN	2.3	0.0	20.0	0.1	12.4	248.6	216.9	743.8	185.4	1.1	1.0	5.1
24	RAJGARH	10.3	0.0	13.4	3.1	5.7	144.6	160.8	578.2	125.5	3.3	0.0	12.7
25	RATLAM	0.4	0.0	8.3	0.0	0.7	211.0	182.5	531.3	160.3	37.9	0.0	13.3
26	SEHORE	0.0	0.0	12.6	0.4	6.0	281.5	135.6	849.1	159.7	4.9	0.1	6.8
27	SHAJAPUR	5.3	0.0	23.7	5.0	2.5	197.2	136.9	591.2	147.6	1.0	4.6	5.8
28	SHEOPUR	16.0	0.0	8.3	2.0	29.3	95.0	160.5	271.3	52.8	0.3	7.8	0.1
29	SHIVPURI	32.5	19.5	15.8	5.3	33.0	98.2	145.3	470.2	33.8	1.0	1.1	0.0
30	UJJAIN	4.5	0.0	14.6	2.0	2.1	204.2	173.3	490.2	212.6	21.9	0.1	10.8
31	VIDISHA	3.4	0.0	12.5	0.4	8.8	290.8	146.5	481.5	163.6	0.2	1.2	12.5
	GUJARAT	0.1	0.0	2.0	0.1	0.4	114.6	242.4	625.6	109.1	24.0	0.0	7.1
21	**GUJARAT REGION**	0.0	0.0	3.5	0.0	0.8	104.9	170.8	635.7	123.7	10.6	0.0	13.1
1	AHMEDABAD	0.0	0.0	4.0	0.0	0.0	139.8	130.5	348.9	54.7	5.9	0.0	0.2
2	ANAND	0.0	0.0	0.2	0.0	0.0	109.6	90.1	676.1	62.7	16.7	0.0	9.3
3	ARAVALLI	0.0	0.0	8.8	0.0	0.0	67.0	178.7	516.8	62.8	5.7	0.0	5.8
4	BANASKANTHA	0.0	0.0	6.6	0.0	6.4	53.6	86.7	484.7	105.0	8.3	0.0	0.0
5	BHARUCH	0.0	0.0	0.0	0.0	0.0	90.5	221.4	600.1	176.9	10.7	0.0	18.4
6	CHHOTA UDEPUR	0.0	0.0	5.2	0.0	0.0	131.1	115.7	685.5	138.9	8.0	0.0	16.5
7	DADARA & NAGAR HAVELI	0.0	0.0	0.0	0.0	0.0	226.0	464.3	1470.9	218.4	34.2	0.0	0.0
8	DAHOD	0.0	0.0	0.0	0.0	0.0	59.7	79.6	360.1	79.6	3.8	0.0	5.7
9	DAMAN	0.0	0.0	0.0	0.0	0.0	96.3	493.3	986.2	197.0	33.5	0.0	0.0
10	DANGS	0.0	0.0	2.0	0.0	0.0	211.3	287.7	914.3	217.3	56.0	0.0	62.7
11	GANDHINAGAR	0.0	0.0	2.8	0.0	0.0	130.8	209.8	457.0	101.8	7.3	0.0	2.4
12	KHEDA	0.0	0.0	6.6	0.0	0.0	148.5	141.8	480.8	63.3	14.5	0.0	12.9
13	MAHISAGAR	0.0	0.0	7.6	0.0	0.0	126.1	94.2	401.7	116.3	10.3	0.0	9.3
14	MEHSANA	0.0	0.0	2.2	0.0	0.0	84.7	113.8	528.3	66.3	9.2	0.0	1.0
15	NARMADA	0.0	0.0	1.4	0.0	0.0	119.2	140.7	755.2	235.7	17.3	0.0	19.0
16	NAVSARI	0.0	0.0	0.2	0.0	0.0	96.2	447.7	1313.5	238.7	3.5	0.0	57.7
17	PANCHMAHAL	0.0	0.0	4.3	0.0	0.0	130.6	117.1	570.9	143.9	3.1	0.0	5.9
18	PATAN	0.0	0.0	1.6	0.0	0.0	63.6	103.8	592.1	51.7	5.4	0.0	0.0
19	SABARKANTHA	0.0	0.0	10.8	0.0	0.6	95.4	146.4	576.8	123.6	11.4	0.0	1.4
20	SURAT	0.0	0.0	1.2	0.0	0.0	128.4	380.1	1312.2	270.0	19.3	0.0	38.0
21	TAPI	0.0	0.0	0.0	0.0	0.0	107.8	232.0	943.6	198.0	17.0	0.0	53.2
22	VADODARA	0.0	0.0	1.0	0.0	0.0	95.4	140.1	467.4	89.7	1.6	0.0	10.2
23	VALSAD	0.0	0.0	0.9	0.0	0.0	185.9	474.7	1189.0	206.2	18.5	0.0	36.7

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22	**SAURASHTRA & KUTCH**	0.2	0.0	0.8	0.2	0.0	123.3	303.9	621.5	97.5	35.3	0.0	2.0
1	AMRELI	0.0	0.0	0.5	2.3	0.3	177.7	263.5	525.8	149.3	37.0	0.0	5.6
2	BHAVNAGAR	0.0	0.0	0.5	0.3	0.1	141.0	153.8	303.6	124.6	27.9	0.0	8.0
3	BOTAD	0.0	0.0	0.0	0.0	0.0	198.3	171.3	542.8	90.8	4.3	0.0	3.0
4	DEVBHOOMI DWARKA	0.1	0.0	0.1	0.0	0.0	162.5	926.9	905.9	136.6	34.2	0.0	0.0
5	DIU	0.0	0.0	0.0	0.0	0.0	185.7	543.2	664.5	137.1	2.4	0.0	36.7
6	GIR SOMNATH	0.0	0.0	0.6	0.0	0.0	151.6	433.8	815.8	100.4	25.3	0.0	10.8
7	JAMNAGAR	0.0	0.0	0.0	0.0	0.0	96.8	575.8	628.3	113.2	30.5	0.0	0.3
8	JUNAGADH	0.6	0.0	0.4	0.3	0.0	193.2	439.1	825.9	146.5	59.1	0.0	0.0
9	KUTCH	0.5	0.0	1.5	0.0	0.0	87.7	245.7	641.0	71.2	42.7	0.0	1.0
10	MORBI	0.0	0.0	0.0	0.0	0.0	123.2	196.0	676.8	81.6	21.8	0.0	0.0
11	PORBANDAR	0.1	0.0	1.0	0.0	0.0	228.8	598.1	643.5	120.6	27.1	0.0	0.8
12	RAJKOT	0.0	0.0	0.0	0.0	0.0	142.8	307.2	617.2	125.1	50.6	0.0	0.8
13	SURENDRANAGAR	0.0	0.0	1.0	0.0	0.0	107.6	142.3	516.5	75.3	4.9	0.0	0.8
	DADARA & NAGAR HAVELI	0.0	0.0	0.0	0.0	0.0	226.0	464.3	1470.9	218.4	34.2	0.0	0.0
	DAMAN & DIU	0.0	0.0	0.0	0.0	0.0	128.2	511.1	871.3	175.6	22.4	0.0	13.1
1	DAMAN	0.0	0.0	0.0	0.0	0.0	96.3	493.3	986.2	197.0	33.5	0.0	0.0
2	DIU	0.0	0.0	0.0	0.0	0.0	185.7	543.2	664.5	137.1	2.4	0.0	36.7
23	**KONKAN & GOA**	0.0	0.0	0.0	7.3	5.0	699.9	1086.6	1410.3	461.4	241.8	0.0	12.3
	GOA	0.0	0.0	0.0	9.8	5.6	1014.9	1230.2	1169.2	744.4	210.0	0.4	21.6
1	NORTH GOA	0.0	0.0	0.0	9.3	7.7	1064.5	1238.8	1261.5	707.1	257.0	0.8	21.8
2	SOUTH GOA	0.0	0.0	0.0	10.2	3.8	971.0	1222.7	1087.7	777.3	168.5	0.0	21.4
	MAHARASHTRA	6.9	2.0	14.8	7.8	10.9	252.7	313.0	396.6	203.8	119.7	2.2	3.9
1	MUMBAI CITY	0.0	0.0	0.2	0.0	0.0	524.5	1229.3	1128.3	320.4	216.0	0.0	25.4
2	MUMBAI SUBURBAN	0.0	0.0	0.0	0.0	0.0	395.0	1502.6	1240.1	549.1	141.2	0.0	7.3
3	PALGHAR	0.0	0.0	0.0	0.0	0.0	251.6	664.6	1466.0	204.1	68.9	0.0	20.6
4	RAIGAD	0.0	0.0	0.0	1.3	0.3	536.5	1022.4	1670.7	400.6	239.9	0.0	12.8
5	RATNAGIRI	0.0	0.0	0.0	20.6	9.5	877.0	1223.5	1431.4	405.1	322.0	0.0	4.0
6	SINDHUDURG	0.0	0.0	0.0	5.2	12.5	1106.9	1450.3	1200.3	735.5	402.6	0.0	19.6
7	THANE	0.0	0.0	0.0	0.0	0.0	386.4	779.9	1364.2	371.9	123.6	0.0	2.1
24	**MADHYA MAHARASHTRA**	0.0	0.0	8.8	7.8	15.9	238.3	211.2	329.6	190.2	155.6	2.3	7.2
1	AHMEDNAGAR	0.0	0.0	12.2	1.1	8.3	264.5	223.0	104.9	262.0	149.3	8.0	
2	DHULE	0.0	0.0	0.0	0.4	0.0	182.6	259.0	204.9	140.6	38.4		34.7
3	JALGAON	0.0	0.0	10.6	0.0	0.5	189.4	212.9	235.2	146.3	19.6	0.0	4.3
4	KOLHAPUR	0.0	0.0	9.3	41.6	29.3	473.8	435.5	959.2	263.8	237.0	0.1	0.0
5	NANDURBAR						181.5	127.2	472.0	163.3	7.2		42.7
6	NASHIK	0.0	0.0	5.2	0.0	8.8	245.0	226.1	412.2	211.0	86.9	2.9	4.9
7	PUNE	0.0	0.0	5.9	0.2	31.2	260.4	218.8	534.6	187.1	236.2	2.7	4.0
8	SANGLI	0.1	0.0	11.2	30.7	35.4	176.9	110.8	186.5	175.5	272.9	1.1	0.0
9	SATARA	0.0	0.0	7.2	7.7	20.3	185.9	164.2	389.1	165.0	194.7	0.0	0.8
10	SHOLAPUR	0.0	0.0	14.0	10.8	14.8	216.7	159.0	78.7	146.8	236.3	0.0	0.0
25	**MARATHWADA**	2.4	0.7	12.2	10.3	10.3	217.3	233.2	167.3	249.4	106.5	0.0	0.2
1	AURANGABAD	0.0	0.0	26.7	2.2	8.3	262.7	272.5	217.7	201.9	71.9	0.0	1.3
2	BEED	0.0	0.0	23.4	2.1	9.5	245.0	238.2	98.9	244.0	116.7	0.0	0.0
3	HINGOLI	0.0	0.0	12.7	1.5	3.5	218.8	230.2	199.2	208.4	78.4		
4	JALNA	0.0	0.0	9.7	2.6	9.0	227.7	231.2	185.8	191.0	74.3	0.0	0.0
5	LATUR	6.0	0.0	3.8	4.0	8.5	242.6	204.5	132.4	329.2	110.7		

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6	NANDED	5.2	0.0	4.2	12.7	6.0	161.9	235.1	230.4	255.7	75.2	0.0	0.0
7	OSMANABAD	0.0	0.0	1.9	50.2	35.1	170.5	183.6	133.2	264.3	230.4	0.0	0.0
8	PARBHANI	8.7	7.0	7.5	8.3	0.9	203.2	255.1	130.9	317.4	103.6	0.0	0.0
1	AKOLA	0.5	0.0	2.8	0.0	0.5	94.6	194.3	136.5	79.1	36.5	1.0	0.2
3	BHANDARA	45.4	26.7	34.5	3.9	5.5	215.5	236.3	599.9	56.1	36.5	8.0	0.1
4	BULDHANA	2.1	0.0	20.6	1.6	7.0	184.4	207.4	175.4	126.6	22.9	2.0	0.4
5	CHANDRAPUR	21.0	5.3	43.6	25.2	20.6	173.2	364.1	257.0	94.4	46.0	6.2	0.1
6	GADCHIROLI	22.7	6.3	13.9	0.1	3.2	189.0	290.7	518.5	157.7	71.3	6.0	0.0
7	GONDIA	40.8	37.7	45.0	3.9	7.1	159.9	172.9	709.6	78.5	49.6	10.1	0.0
8	NAGPUR	34.6	9.4	40.7	15.8	13.7	187.1	264.7	407.8	124.5	39.5	5.4	0.6
9	WARDHA	21.3	0.2	42.6	6.6	17.6	153.3	283.3	234.0	137.0	42.5	3.3	0.3
10	WASHIM	6.3	0.0	13.8	0.0	2.0	249.2	264.8	204.6	194.2	88.3	0.6	0.1
11	YEOTMAL	18.1	0.0	31.0	6.5	3.9	112.6	228.3	156.2	116.2	50.1	1.1	0.1
27	**CHHATTISGARH**	29.6	39.4	50.7	29.1	39.9	277.9	269.7	519.2	167.4	87.5	4.4	0.8
1	BALOD	12.5	65.6	50.2	6.3	63.0	289.6	179.8	464.3	86.9	53.6	0.8	0.0
3	BALRAMPUR	24.7	17.2	94.0	43.4	43.5	256.1	302.3	385.8	127.5	108.4	8.2	0.0
5	BEMETARA	65.2	71.0	61.1	23.6	56.6	235.6	236.2	477.4	127.3	26.2	0.8	0.0
6	BIJAPUR	9.1	28.7	50.4	48.2	49.1	267.2	373.2	1365.4	265.4	189.5	4.4	0.0
7	BILASPUR	55.5	61.2	72.4	32.1	24.2	262.4	310.9	487.5	120.8	52.7	11.4	1.6
8	DANTEWADA	2.6	9.2	13.4	34.3	42.8	270.9	353.2	656.8	228.5	158.7	1.0	0.0
9	DHAMTARI	11.0	45.5	31.1	5.4	59.7	279.2	249.6	439.1	153.7	65.2	0.7	0.0
10	DURG	35.9	72.6	51.7	4.0	44.9	276.7	260.7	359.6	103.4	31.2	12.6	0.0
11	GARIABAND	8.7	44.9	34.7	16.4	72.4	307.6	257.9	411.2	192.7	90.2	0.0	0.0
12	JANJGIR	36.7	55.1	61.5	28.5	32.4	192.7	233.5	657.5	207.9	83.4	5.8	0.9
13	JASHPUR	54.7	18.8	91.9	55.8	55.2	316.4	331.1	447.2	202.1	142.5	3.7	1.2
14	KABIRDHAM	71.3	46.3	45.1	11.5	20.8	132.3	167.8	517.3	170.7	58.9	1.6	1.0
15	KANKER	1.6	30.0	35.9	0.6	38.1	266.9	187.0	439.2	130.4	46.8	0.0	0.0
16	KONDAGAON	32.5	9.4	9.4	51.8	65.5	361.0	477.3	462.8	186.1	78.8	0.0	0.0
17	KORBA	59.9	43.8	62.6	43.8	36.9	398.7	289.8	492.2	144.5	83.4	10.1	9.5
18	KORIYA	26.4	16.6	63.2	12.2	29.5	285.6	241.3	427.8	122.1	82.9	5.6	0.1
19	MAHASAMUND	14.3	100.8	33.4	0.0	26.5	394.7	267.3	483.6	114.3	60.8	0.0	0.0
20	MUNGELI	38.2	52.7	50.0	15.0	24.3	210.0	181.4	375.9	137.6	40.5	2.0	1.3
21	NARAYANPUR	37.3	39.2	3.2	13.7	9.6	263.3	377.5	532.9	231.1	128.2	0.0	0.0
22	RAIGARH	20.5	36.1	74.9	39.4	33.3	299.5	216.7	513.4	177.0	45.4	2.6	0.1
23	RAIPUR	16.0	89.5	52.7	11.8	55.2	246.7	236.3	456.3	82.4	28.0	0.1	0.0
24	RAJNANDGAON	24.0	43.3	36.3	6.4	42.6	272.9	122.8	455.4	94.9	37.5	2.2	0.2
25	SUKMA	3.6	0.0	1.1	50.7	17.6	237.3	280.6	708.3	300.1	164.4	1.4	0.0
26	SURAJPUR	65.2	36.4	126.8	59.0	59.7	447.2	324.3	385.2	147.6	94.9	18.8	0.2
27	SURGUJA	44.3	28.8	76.9	46.0	32.6	190.2	190.7	344.3	97.7	100.9	10.9	1.1
	ANDHRA PRADESH	12.6	7.2	14.4	39.2	21.7	120.0	228.1	148.7	241.4	182.4	170.3	34.5
28	**COASTAL A. P. & YANAM**	18.6	12.5	20.0	43.9	18.4	120.0	220.6	167.6	217.2	212.4	181.0	25.9
1	EAST GODAVARI	5.9	4.8	3.4	43.6	15.9	112.5	309.5	309.3	238.9	312.1	108.7	0.1
2	GUNTUR	17.6	11.9	10.4	6.0	11.7	143.6	286.5	168.5	251.6	185.0	118.6	0.2
3	KRISHNA	10.6	21.8	8.9	31.3	3.8	126.7	302.4	186.8	231.2	293.5	142.5	0.6
4	NELLORE	50.0	0.4	5.5	60.0	6.3	98.2	162.0	130.3	164.8	99.6	522.3	180.3
5	PRAKASAM	24.1	2.8	20.8	22.5	12.1	83.1	128.6	93.4	249.3	109.6	212.0	2.3
6	SRIKAKULAM	6.6	35.2	55.3	57.5	35.5	137.7	137.0	132.8	151.0	253.2	51.7	0.4
7	VISHAKHAPATNAM	8.4	24.3	49.4	84.6	47.5	128.4	167.4	137.5	163.3	281.4	82.3	0.0

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8	VIZIANAGARAM	6.8	33.0	47.3	82.7	45.5	171.5	191.3	114.8	199.4	246.1	53.2	0.0
9	WEST GODAVARI	14.3	4.5	0.6	33.6	5.4	139.4	379.9	293.1	278.0	286.6	117.0	0.0
10	YANAM	0.0	15.4	0.0	115.6	17.6	199.8	267.6	170.8	271.4	509.6	369.6	0.0
29	**RAYALASEEMA**	4.3	0.0	6.5	32.7	26.2	120.2	238.5	122.6	274.8	141.1	155.7	46.4
1	ANANTAPUR	0.3	0.0	4.1	30.5	26.9	123.4	187.1	58.7	255.9	117.3	53.5	22.5
2	CHITTOOR	14.6	0.0	9.5	54.4	21.2	109.8	311.3	135.6	194.7	162.7	299.7	106.7
3	CUDDAPAH	3.9	0.0	6.9	30.0	16.4	103.3	189.8	178.1	372.5	143.5	268.3	65.9
4	KURNOOL	0.0	0.0	6.3	18.8	38.1	140.2	273.9	132.5	279.2	146.2	44.9	3.8
30	**TELANGANA**	6.2	7.7	15.9	20.9	24.3	169.9	272.6	403.0	250.2	168.5	11.0	0.0
1	ADILABAD	23.6	4.8	49.6	21.7	16.8	164.1	397.4	288.4	161.5	67.7	1.7	0.0
2	B. KOTHAGUDEM	2.5	0.0	18.7	43.4	20.7	189.4	406.1	772.3	278.2	185.6	24.9	0.0
3	HYDERABAD	22.1	2.1	15.4	20.5	30.8	203.6	147.8	244.0	193.1	383.0	7.8	0.0
4	J. BHUPALPALLY	1.2	18.6	5.5	10.3	26.5	178.7	313.3	817.5	133.0	104.3	5.6	0.0
5	JAGTIAL	12.7	13.6	6.4	8.6	40.2	116.4	261.9	302.8	234.7	113.8	0.1	0.0
6	JANGAON	0.0	13.5	11.6	10.7	15.5	188.2	352.4	446.3	228.7	224.3	11.2	0.0
7	JOGULAMBA GADWAL	0.8	0.0	0.2	7.1	24.2	147.4	302.4	180.3	247.5	180.8	28.3	0.0
8	KAMAREDDY	16.9	14.2	33.2	24.5	29.3	178.7	278.1	324.0	304.2	125.7	0.2	0.0
9	KARIMNAGAR	3.2	11.2	25.8	11.0	17.2	204.4	263.9	537.6	270.3	144.0	1.9	0.0
10	KHAMMAM	3.8	7.3	11.1	7.7	16.7	170.1	324.0	345.7	258.5	225.5	25.4	0.0
11	KUMARAM BHEEM	13.9	10.2	47.1	37.6	27.3	164.3	308.7	420.9	196.5	110.6	1.0	0.0
12	M. MALKAJGIRI	1.0	1.0	4.6	18.8	22.8	168.5	129.7	287.1	300.8	262.1	6.6	0.0
13	MAHABUBABAD	0.0	4.4	2.2	6.0	36.2	246.9	355.5	787.7	277.3	250.7	14.7	0.0
14	MAHABUBNAGAR	8.4	0.0	3.8	24.4	26.0	134.3	319.8	291.1	317.7	145.8	6.8	0.0
15	MANCHERIAL	8.0	14.0	13.8	19.2	52.5	175.3	277.9	422.0	233.0	64.9	0.0	0.0
16	MEDAK	0.3	12.3	30.0	33.7	25.1	147.2	269.9	227.0	285.0	179.7	0.9	0.0
17	MULUGU	5.2	41.4	12.1	21.8	14.8	272.3	385.3	1101.9	282.5	137.2	17.8	0.0
18	NAGARKURNOOL	1.4	0.7	0.8	23.6	16.7	133.1	216.9	260.7	333.8	169.5	22.8	0.0
19	NALGONDA	10.5	11.0	14.8	22.3	15.6	117.6	148.2	175.9	199.8	202.8	29.0	0.0
20	NARAYANPET	11.0	0.0	11.8	23.0	33.7	158.5	367.1	207.5	360.5	160.4	7.7	0.0
21	NIRMAL	10.7	1.9	9.5	11.8	20.6	145.9	218.7	279.4	175.1	82.9	0.0	0.0
22	NIZAMABAD	21.9	1.2	14.9	9.5	12.9	181.0	195.0	363.1	224.8	68.0	0.0	0.0
23	PEDDAPALLE	9.3	13.3	19.1	5.7	17.2	259.6	238.7	450.7	235.9	104.4	0.9	0.0
24	RAJANNA SIRCILLA	8.8	5.7	39.9	10.8	13.2	196.2	259.5	401.8	300.2	119.5	0.4	0.0
25	RANGAREDDY	3.6	5.1	8.5	30.2	25.5	147.0	145.0	232.5	215.1	242.3	15.3	0.0
26	SANGAREDDY	0.8	1.4	5.0	29.6	37.9	152.6	198.5	197.5	263.1	273.9	1.1	0.0
27	SIDDIPET	0.4	9.1	33.6	25.7	22.2	210.1	305.5	385.0	298.8	213.5	1.7	0.0
28	SURYAPET	3.3	12.3	13.1	2.8	12.8	121.3	201.1	227.4	235.0	146.7	19.6	0.0
29	VIKARABAD	0.8	0.0	1.2	23.1	38.4	154.4	315.8	227.7	233.8	221.8	4.0	0.0
30	WANAPARTHY	0.0	4.2	6.0	27.8	13.0	180.7	326.8	274.2	345.4	180.2	15.9	0.0
31	WARANGAL_RURAL	0.3	8.8	6.7	19.1	49.3	208.2	287.9	953.7	247.1	189.7	15.6	0.0
32	WARANGAL_URBAN	0.0	11.1	29.8	30.1	11.6	198.6	280.0	810.2	247.8	195.3	6.4	0.0
33	Y. BHUVANAGIRI	0.0	3.3	25.9	24.6	29.6	171.3	141.4	264.0	223.8	278.8	11.9	0.0
	TAMILNADU	8.9	1.0	3.9	33.9	38.2	59.7	130.2	95.0	140.9	100.9	202.5	171.2
2	CHENGALPATTU	53.8	0.6	0.0	13.3	2.1	39.7	231.7	68.4	67.0	119.8	465.1	244.9
4	COIMBATORE	1.1	0.0	25.1	82.1	61.0	168.4	274.9	365.3	304.0	94.2	144.9	64.8
5	CUDDALORE	25.4	2.2	0.0	1.0	8.0	19.5	100.8	54.3	156.7	127.1	301.6	517.7
6	DHARMAPURI	0.4	0.0	1.6	78.0	51.8	37.9	178.7	110.9	167.8	137.0	86.5	67.9
7	DINDIGUL	1.8	0.0	5.5	27.6	54.4	87.1	121.6	110.9	154.3	60.2	196.4	139.2

DISTRICT-WISE RAINFALL STATISTICS

SNo.	Met Subdivison/ States/ UTs/ Districts	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
8	ERODE	0.0	0.0	7.1	10.8	58.8	54.6	134.5	13.4	134.7	87.0	89.9	38.9
9	KALLAKURICHI	7.2	0.0	0.0	13.5	4.1	42.6	76.4	39.8	104.1	119.6	188.8	306.9
10	KANCHEEPURAM	45.3	0.7	0.0	12.7	0.0	47.6	203.4	51.1	110.7	152.3	392.1	218.7
11	KANYAKUMARI	1.5	4.8	26.1	60.8	180.8	172.0	54.0	67.9	210.7	136.8	149.2	34.9
12	KARUR	0.1	0.0	1.4	27.7	7.6	78.4	77.9	87.1	144.0	58.1	124.1	78.1
13	KRISHNAGIRI	0.3	0.0	6.9	61.7	57.9	59.0	147.2	66.8	142.1	142.0	77.0	42.6
14	MADURAI	2.9	0.0	0.3	14.0	45.8	65.3	84.0	93.5	162.3	161.2	219.8	76.2
15	NAGAPATTINAM	20.8	0.1	0.0	1.4	3.3	17.6	169.4	36.3	139.4	60.7	274.2	703.5
16	NAMAKKAL	0.0	0.0	0.0	15.1	35.5	26.0	114.2	76.6	140.5	70.6	95.5	53.6
17	NILGIRIS	20.3	1.9	15.8	34.6	69.6	159.5	256.9	619.5	337.9	89.2	188.1	92.3
18	PERAMBALUR	5.3	0.0	0.0	118.5	7.3	82.3	76.8	168.5	153.4	84.5	152.7	269.1
19	PUDUKKOTTAI	1.0	0.0	0.2	23.9	33.6	75.6	158.2	84.2	133.9	107.0	131.5	197.6
20	RAMANATHAPURAM	6.7	8.3	0.9	33.1	44.4	48.5	32.2	31.4	81.3	98.2	183.5	290.4
21	RANIPET	18.8	0.0	0.0	23.8	13.2	94.6	205.5	100.3	155.9	82.7	288.9	116.7
22	SALEM	1.1	0.0	0.0	64.1	49.5	36.9	212.0	131.7	177.7	116.2	96.3	81.1
23	SIVAGANGA	4.7	0.0	0.0	53.5	74.4	78.6	99.6	75.5	163.0	151.7	242.8	168.3
24	THANJAVUR	18.9	0.0	0.2	8.1	46.4	35.4	121.8	67.2	91.4	82.4	150.9	348.6
25	THENI	0.1	0.0	6.0	65.3	62.1	40.0	75.2	153.3	164.1	93.2	193.7	69.3
26	THENKASI	13.5	0.2	42.2	77.9	81.8	12.9	38.4	90.9	40.9	86.8	215.6	130.5
27	TIRUNELVELI	14.0	6.9	0.3	28.9	36.8	12.2	24.3	81.3	46.7	70.2	271.6	135.6
28	TIRUPATTUR	5.0	0.0	0.0	52.0	40.8	127.0	223.8	109.1	208.2	121.7	204.3	62.7
29	TIRUPPUR	0.2	0.0	4.8	53.2	39.2	25.0	128.9	25.7	145.5	21.4	253.8	57.3
30	TIRUVALLUR	31.3	1.1	0.0	29.2	0.3	53.4	149.0	83.5	168.0	170.7	336.9	207.0
31	TIRUVANNAMALAI	8.7	0.0	0.0	4.1	0.0	73.9	121.6	50.6	156.3	134.1	292.2	201.3
32	TIRUVARUR	26.5	0.0	0.0	0.0	41.7	35.6	187.0	52.2	126.8	67.1	219.7	547.0
33	TOOTHUKUDI	3.6	7.8	0.0	8.2	10.5	5.0	17.3	8.9	25.2	49.0	274.1	158.6
34	TRICHY	6.8	0.0	1.0	40.2	21.5	65.2	111.0	121.0	155.6	54.9	89.2	131.1
35	VELLORE	11.7	0.0	0.3	47.5	16.4	87.9	258.6	87.8	127.2	80.0	232.8	99.5
36	VILLUPURAM	9.3	0.0	0.0	0.0	0.8	93.1	109.8	55.8	116.2	141.7	288.7	372.0
37	VIRUDHUNAGAR	7.7	0.0	0.0	32.6	80.4	24.0	78.8	47.9	79.4	127.6	284.0	97.9
	PUDUCHERRY (UT)	9.7	6.8	0.0	24.7	31.8	73.4	134.5	86.5	147.6	173.3	421.4	584.2
1	KARAIKAL	6.9	0.4	0.0	0.0	56.0	36.3	191.7	95.3	132.3	58.6	361.4	739.1
2	MAHE	0.0	2.0	0.0	39.0	195.8	1110.0	824.4	692.4	798.6	201.9	43.6	66.0
3	PUDUCHERRY	12.6	9.5	0.0	28.5	14.9	49.0	68.3	54.5	123.4	201.0	471.2	574.9
4	YANAM	0.0	15.4	0.0	115.6	17.6	199.8	267.6	170.8	271.4	509.6	369.6	0.0
	KARNATAKA	0.2	0.3	9.9	47.3	91.6	205.3	280.2	297.5	280.9	175.5	21.8	8.6
32	**COASTAL KARNATAKA**	0.0	0.6	7.5	42.1	121.2	788.3	973.3	1147.4	772.9	301.9	20.8	10.0
1	DAKSHINA KANNADA	0.0	2.2	17.8	66.4	172.6	705.1	965.7	952.6	821.7	369.3	57.6	26.1
2	UDUPI	0.0	0.0	8.1	47.9	90.0	1092.6	1275.6	1409.7	1099.8	401.1	18.8	11.4
3	UTTARA KANNADA	0.0	0.0	2.5	28.6	107.9	721.1	871.2	1147.4	635.6	235.5	4.1	1.9
33	**N. I. KARNATAKA**	0.4	0.4	12.0	33.6	65.2	138.5	203.2	170.7	227.3	176.3	3.1	0.1
1	BAGALKOTE	0.0	0.0	7.4	22.7	52.2	135.7	161.1	89.1	229.0	205.6	4.4	0.0
2	BELAGAVI	0.0	0.0	21.7	41.1	60.0	164.2	182.3	341.9	199.4	181.3	0.8	0.2
3	BIDAR	0.4	5.2	13.1	40.9	51.4	181.2	222.5	171.7	352.4	214.7	0.0	0.0
4	DHARWAD	0.0	0.0	15.6	43.2	89.6	121.3	164.9	279.5	182.4	134.2	0.2	0.0
5	GADAG	0.0	0.0	9.2	58.8	103.4	79.1	164.1	102.8	187.2	162.3	1.8	0.0
6	HAVERI	0.0	0.0	0.0	34.5	106.7	109.0	139.0	158.7	134.9	116.8	1.0	0.0
7	KALABURGI	0.7	0.0	24.7	25.6	33.9	163.2	305.0	181.8	315.5	220.1	0.9	0.0

DISTRICT-WISE RAINFALL STATISTICS

SNo.	Met Subdivison/ States/ UTs/ Districts	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
8	KOPPAL	0.0	0.0	1.9	46.4	103.8	112.3	216.3	83.6	206.6	205.5	3.9	0.8
9	RAICHUR	0.0	0.0	1.2	15.2	77.9	124.7	189.1	132.6	217.3	155.6	13.1	0.0
10	VIJAYAPURA	2.0	0.0	12.6	35.0	58.6	125.2	157.3	91.3	212.3	143.8	3.7	0.1
11	YADGIR	0.1	0.0	2.5	2.5	20.1	157.3	287.0	132.7	211.4	134.5	7.6	0.0
34	**S. I. KARNATAKA**	0.1	0.3	8.5	60.0	108.2	145.6	207.0	235.5	228.0	149.6	37.9	15.6
1	BALLARI	0.0	0.0	0.2	30.3	64.1	78.3	183.9	84.7	221.7	167.6	10.5	3.0
2	BENGALURU RURAL	0.0	0.0	23.1	93.3	72.0	126.2	210.3	138.7	242.5	120.9	44.2	14.7
3	BENGALURU URBAN	0.1	0.0	9.8	106.3	90.7	131.5	155.3	61.9	235.2	184.8	64.7	11.6
4	CHAMARAJANAGAR	0.0	0.0	12.7	67.7	124.0	87.8	138.1	75.5	152.3	84.7	99.6	49.0
5	CHIKABALLAPURA	0.0	0.0	5.6	97.0	55.7	119.5	226.3	108.4	161.2	155.7	77.3	14.6
6	CHIKKAMAGALURU	0.0	0.0	7.8	55.9	139.2	266.7	352.9	662.7	370.3	161.2	32.7	20.2
7	CHITRADURGA	0.4	0.0	0.0	33.3	101.1	88.0	156.1	52.7	205.2	143.7	16.5	12.9
8	DAVANGERE	1.0	0.0	2.1	63.7	94.4	86.6	134.7	98.8	178.9	179.6	3.5	4.3
9	HASSAN	0.2	0.0	13.2	47.2	161.0	111.3	177.3	225.0	175.9	155.4	26.9	16.4
10	KODAGU	0.0	0.0	16.3	113.2	201.8	412.2	436.9	974.9	521.1	178.7	24.1	9.9
11	KOLAR	0.0	0.0	12.4	67.4	91.9	76.9	327.5	118.2	178.7	161.3	140.6	29.4
12	MANDYA	0.0	0.0	20.9	72.5	162.3	71.5	125.6	41.4	146.4	181.4	44.2	20.1
13	MYSURU	0.0	4.3	19.9	50.0	128.4	72.7	124.2	138.5	140.4	97.1	36.0	14.7
14	RAMANAGARA	0.0	0.0	21.0	103.3	115.3	164.4	136.2	49.7	189.8	197.2	46.1	18.6
15	SHIVAMOGGA	0.0	0.1	1.5	38.3	97.9	281.1	362.3	703.6	309.9	178.7	4.9	11.0
16	TUMAKURU	0.0	0.0	3.1	56.5	64.1	152.1	119.2	85.0	221.9	102.9	39.5	12.1
35	**KERALA & MAHE**	5.9	3.6	44.2	110.9	232.3	535.6	514.9	575.3	601.9	222.8	99.3	43.1
	KERALA	5.9	3.6	44.2	110.9	232.3	535.5	514.9	575.3	601.9	222.8	99.3	43.1
1	ALAPUZHA	4.9	8.8	49.7	84.2	383.8	495.3	346.8	378.3	635.6	243.2	112.8	60.1
2	CANNUR	0.0	1.0	4.3	56.4	154.2	987.8	856.2	803.7	718.2	259.1	39.0	46.5
3	ERNAKULAM	15.6	21.3	53.7	140.7	237.2	501.5	549.9	628.6	576.3	233.9	155.8	43.6
4	IDUKKI	2.9	1.6	61.9	131.7	255.6	400.3	524.4	854.3	691.4	298.0	158.4	51.1
5	KASARGOD	0.0	2.1	1.6	2.6	122.5	878.6	1056.0	729.4	941.7	309.6	46.5	37.9
6	KOLLAM	5.6	12.0	78.4	90.2	346.7	355.2	263.3	331.1	402.8	248.0	130.3	56.0
7	KOTTAYAM	5.1	5.6	84.5	201.5	366.0	617.9	588.1	546.6	577.0	251.8	132.5	69.4
8	KOZHIKODE	0.0	0.0	1.9	96.0	241.8	1166.7	735.9	676.1	861.7	236.4	91.8	50.4
9	MALAPPURAM	0.0	0.3	11.2	111.0	120.5	463.4	463.9	485.7	574.3	131.0	49.8	20.2
10	PALAKKAD	0.0	0.0	21.7	85.3	67.7	309.4	417.0	524.2	455.0	162.3	38.7	19.0
11	PATHANAMTHITTA	11.4	0.0	172.8	191.7	491.5	487.5	432.9	305.2	610.8	231.4	198.4	103.4
12	THIRUVANANTHAPURAM	47.5	3.6	30.8	129.3	432.1	366.4	149.5	217.0	420.8	203.2	107.1	36.3
13	THRISSUR	0.0	0.0	36.0	80.8	149.6	477.4	447.3	498.8	576.2	218.3	65.8	11.3
14	WYNAD	2.3	0.0	17.2	145.4	124.3	293.1	426.7	867.7	494.9	125.0	84.6	30.4
1	MAHE	0.0	2.0	0.0	39.0	195.8	1110.0	824.4	692.4	798.6	201.9	43.6	66.0
36	**LAKSHADWEEP**	7.9	0.1	13.8	8.8	214.7	265.4	476.2	269.6	334.3	70.4	71.5	152.1

Table 26: % Departures of District-wise Monthly Rainfall - Year 2020

		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	**A & N ISLAND**	-93%	-90%	-99%	-52%	-37%	20%	-10%	-10%	12%	70%	-20%	21%
1	NICOBAR	-85%	-82%	-99%	-61%	-28%	110%	-30%	-15%	27%	-19%	-26%	-9%
2	NORTH & MIDDLE ANDAMAN	-100%	-100%	-100%	-15%	-34%	17%	6%	15%	17%	169%	-54%	68%
3	SOUTH ANDAMAN	-98%	-100%	-100%	-72%	-44%	-9%	-19%	-35%	1%	37%	15%	15%

DISTRICT-WISE RAINFALL STATISTICS

		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
2	**ARUNACHAL PRADESH**	31%	-63%	-73%	-39%	26%	7%	19%	-12%	44%	-7%	28%	-54%
1	ANJAW	107%	-68%	-81%	-42%	23%	-6%	-39%	-52%	-11%	-33%	-10%	-100%
2	CHANGLANG	41%	-81%	-72%	-49%	-16%	36%	9%	10%	11%	3%	138%	-100%
3	DIBANG VALLEY						-21%	84%	-24%	57%	-25%	26%	-53%
4	EAST KAMENG	-84%	-36%	-77%	-58%	-37%	-47%	15%	5%	80%	32%	-55%	-100%
5	EAST SIANG	56%	-59%	-57%	-31%	58%	37%	65%	6%	92%	-24%	27%	-12%
6	KURUNG KUMEY	-57%			-22%	-12%	-26%	7%	-34%	61%	32%	119%	-26%
7	LOHIT	-32%	-78%	-90%	-72%	-5%	18%	19%	31%	15%	-40%	24%	-90%
8	LOWER DIBANG VALLEY	-8%	-75%	-90%	-71%	160%	169%	238%	86%	78%	-21%	7%	-95%
9	LOWER SUBANSIRI	-63%	-31%	-42%	-44%	61%	-46%	-2%	-74%	-26%	-11%	-85%	-68%
10	PAPUMPARA	40%	-18%	-86%	-67%	7%	40%	32%	-35%	21%	34%	15%	-4%
11	TAWANG	-100%	-100%	-13%	28%	2%	-52%	-30%	-65%	-44%	-74%	-80%	-77%
12	TIRAP	-62%	-64%	-79%		-17%	-39%	-51%	-16%	-37%	-15%	1%	-100%
13	UPPER SIANG	226%	-55%	-59%	35%	-13%	1%	20%	-5%	6%	104%	168%	-19%
14	UPPER SUBANSIRI	-28%	-68%	-65%	-19%	57%	10%	-2%	-12%	40%	-6%	-8%	-14%
15	WEST KAMENG	-23%	-8%	-65%	11%	52%	-38%	-16%	-25%	-3%	-23%	-50%	-78%
16	WEST SIANG	121%	-40%	-20%	-32%	33%	-11%	-27%	-34%	134%	-40%	18%	-2%
3	**ASSAM & MEGHALAYA**	13%	-44%	-62%	-14%	47%	28%	23%	-29%	72%	23%	-27%	-91%
	ASSAM	2%	-55%	-71%	-36%	23%	26%	13%	-29%	37%	31%	-8%	-92%
1	BAKSA	8%	-68%	-68%	-37%	84%	131%	106%	-26%	106%	-11%	-100%	-38%
2	BARPETA	-32%	18%	-78%	-64%	72%	44%	53%	-43%	96%	-24%	4%	-33%
3	BONGAIGAON	-64%	-71%	-77%	-79%	49%	0%	2%	-54%	80%	-40%	102%	-100%
4	CACHAR	134%	-99%	-87%	-40%	-21%	12%	9%	-17%	0%	76%	4%	-100%
5	CHIRANG	-18%	-16%	-55%	-76%	95%	50%	113%	-8%	242%	-41%	-63%	43%
6	DARRANG	-64%	-74%	-86%	-80%	-58%	-62%	-38%	-83%	-63%	-64%	-89%	-100%
7	DHEMAJI	-82%	-46%	8%	21%	74%	167%	104%	25%	106%	206%	547%	-100%
8	DHUBRI	-71%	-69%	-58%	34%	40%	1%	10%	-16%	97%	-17%	-100%	-100%
9	DIBRUGARH	18%	-33%	-67%	-50%	29%	44%	-16%	-30%	-21%	56%	60%	-100%
10	GOALPARA	5%	-72%	-92%	84%	86%	8%	-14%	-21%	5%	-45%	-88%	-100%
11	GOLAGHAT	-13%	-60%	-85%	-21%	-5%	-20%	-15%	-30%	13%	70%	-68%	-100%
12	HAILAKANDI	412%	-100%	-95%	-64%	-21%	0%	21%	-6%	4%	93%	103%	-99%
13	JORHAT	94%	-54%	-73%	-51%	34%	73%	18%	-21%	-26%	50%	52%	-90%
14	KAMRUP (RURAL)	54%	-54%	-80%	-30%	63%	74%	15%	-59%	30%	-47%	-100%	-100%
15	KAMRUP METRO.	284%	-13%	-21%	51%	62%	69%	12%	-22%	53%	-22%	-100%	-100%
16	KARBI ANGLONG	-55%	-93%	-84%	-29%	-18%	-19%	-6%	-32%	27%	110%	-12%	-97%
17	KARIMGANJ	99%	-99%	-86%	-83%	-16%	44%	26%	-23%	11%	79%	3%	-100%
18	KOKRAJHAR	-97%	-1%	-20%	6%	32%	43%	54%	-20%	158%	5%	-96%	-100%
19	LAKHIMPUR	77%	-24%	-50%	-60%	13%	30%	7%	-31%	44%	85%	-44%	-48%
20	MORIGAON	-34%	2%	-100%	2%	-19%	-26%	-71%	-29%	24%	86%	-100%	-100%
21	N. C. HILLS	-75%	-94%	-69%	-41%	19%	10%	25%	-59%	-15%	-53%	-63%	-100%
22	NAGAON	-13%	-71%	-85%	-21%	-24%	-42%	-60%	-66%	-15%	56%	-68%	-100%
23	NALBARI	43%	-51%	-72%	-48%	87%	60%	55%	-22%	65%	-20%	-98%	-84%
24	SHONITPUR	-27%	49%	-46%	-51%	13%	-13%	-11%	-31%	-4%	47%	-47%	-87%
25	SIBSAGAR	78%	-48%	-79%	-66%	43%	37%	-3%	-7%	42%	9%	114%	-100%

DISTRICT-WISE RAINFALL STATISTICS

		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
26	TINSUKIA	4%	-63%	-81%	-57%	22%	81%	1%	14%	19%	50%	103%	-100%
27	UDALGURI	6%	25%	-39%		22%	-7%	4%	-46%	39%	19%	-96%	-100%
	MEGHALAYA	53%	7%	-34%	46%	106%	32%	40%	-31%	144%	8%	-62%	-89%
1	EAST GARO HILLS	-7%	184%	66%	84%	109%	113%	267%	-14%	299%	-4%	-100%	-100%
2	EAST KHASI HILLS	73%	2%	-85%	-17%	135%	61%	80%	14%	205%	70%	-71%	-92%
3	JAINTIA HILLS	-23%	-73%	-76%	-19%	161%	12%	-6%	-78%	55%	-42%	-86%	-100%
4	RI-BHOI	22%	102%	-3%	70%	66%	15%	37%	-39%	141%	123%	-24%	17%
5	SOUTH GARO HILLS	45%	45%	-54%	-7%	21%	85%	140%	18%	139%	60%	-73%	-100%
6	WEST GARO HILLS	64%	-80%	-67%	-23%	89%	5%	-9%	-26%	53%	-67%	-78%	-100%
7	WEST KHASI HILLS	182%	71%	33%	236%	70%	1%	13%	-27%	237%	42%	20%	-100%
4	**NMMT**	180%	-60%	-85%	-17%	-36%	-35%	-24%	-36%	-32%	9%	-15%	-98%
	NAGALAND	74%	-37%	-66%	-7%	-27%	-11%	-31%	-33%	-26%	32%	39%	-90%
1	DIMAPUR	3%	-76%	-69%	-32%	-51%	-27%	-28%	-83%	-47%	2%	-30%	-82%
2	KEPHIRE	145%	49%	-76%	70%	-14%	10%	6%	60%	26%	59%	29%	-85%
3	KOHIMA	45%	-83%	-70%	10%	-20%	0%	-25%	-52%	-51%	5%	9%	-70%
4	LONGLENG	-96%				-41%	-37%	-73%	-46%	-36%	-54%	13%	-9%
5	MOKOKCHUNG	113%	-31%	-68%	-18%	1%	-2%	-43%	-3%	-10%	96%	39%	-80%
6	MON	81%	-66%	-67%	-53%	-15%	14%	-7%	-46%	-72%	-87%	-84%	-90%
7	PAREN	235%	-41%	-69%	-69%	-62%	-67%	-31%	-38%	24%	-32%	-100%	-100%
8	PHEK	67%	11%	-91%	58%	-28%	-1%	13%	7%	81%	61%	130%	-99%
9	TUENSANG	35%	-11%	-71%	-7%	-55%	-57%	-72%	-41%	-28%	33%	72%	-100%
10	WOKHA	37%	-40%	-49%	-36%	-37%	-29%	-37%	-79%	-60%	7%	44%	-99%
11	ZUNHEBOTO	31%	-21%	-51%	-51%	-16%	35%	-23%	2%	-31%	108%	32%	-100%
	MANIPUR	164%	-68%	-76%	-24%	-40%	-49%	-43%	-54%	-38%	-9%	-21%	-100%
1	BISHNUPUR	-40%	-51%	-89%	15%	10%	-60%	-8%	-54%	-29%	-3%	-43%	-100%
2	CHANDEL	47%	-90%	-82%	-76%	-78%	-92%	-89%	-92%	-87%	-82%	-80%	-100%
3	CHURACHANDPUR	78%	-52%	-82%	-32%	-45%	-38%	-53%	-79%	-58%	-32%	21%	-100%
4	IMPHAL EAST	372%	-73%	-79%	-52%	-45%	-53%	-59%	-41%	-22%	-30%	131%	-100%
5	IMPHAL WEST	-43%	-100%	-95%	-39%	39%	23%	61%	25%	17%	0%	41%	-100%
6	SENAPATI	263%	-96%	-72%	-16%	-18%	-2%	-30%	-46%	4%	37%	-26%	-100%
7	TAMENGLONG						-38%	-63%	-75%	-50%	-36%	-39%	-100%
8	THOUBAL	79%	-29%	-75%	-28%	-40%	-62%	31%	-20%	29%	49%	-16%	-100%
9	UKHRUL	348%	-56%	-60%	30%	-27%	-46%	2%	21%	27%	85%	-37%	-100%
	MIZORAM	297%	-52%	-99%	-37%	-52%	-54%	-10%	-20%	-49%	-2%	-24%	-100%
1	AIZWAL	343%	-75%	-94%	-21%	-41%	-54%	-39%	-51%	-43%	29%	-38%	-100%
2	CHAMPHAI	-100%	-93%	-100%	-52%	-60%	-76%	-50%	-24%	-33%	-49%	15%	-100%
4	KOLASIB	487%	-89%	-99%	-59%	-24%	-32%	-11%	-30%	-39%	48%	104%	-100%
5	LAWNGTLAI	519%	-59%	-100%	26%	-34%	-25%	14%	13%	-23%	21%	-36%	-100%
6	LUNGLEI	611%	-44%	-100%	-25%	-52%	-75%	6%	12%	-67%	-56%	-70%	-100%
7	MAMIT	284%	75%	-100%	-71%	-73%	-40%	35%	-40%	-68%	-4%	103%	-100%
8	SAIHA	582%	-52%	-97%	20%	-47%	-47%	-31%	-17%	-37%	88%	-62%	-100%
9	SERCHHIP	-100%	-72%	-100%	-63%	-69%	-68%	-36%	-46%	-54%	13%	-34%	-100%
	TRIPURA	238%	-95%	-93%	10%	-12%	2%	-13%	-47%	18%	40%	-51%	-100%
1	DHALAI	245%	-91%	-97%	25%	-2%	9%	-24%	-48%	15%	2%	-63%	-100%

DISTRICT-WISE RAINFALL STATISTICS

		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
2	NORTH TRIPURA	126%	-99%	-92%	28%	-18%	-6%	-3%	-54%	1%	85%	-36%	-100%
3	SOUTH TRIPURA	543%	-86%	-93%	0%	1%	-7%	-22%	-52%	25%	60%	-43%	-100%
4	WEST TRIPURA	177%	-100%	-90%	-23%	-21%	11%	-3%	-31%	35%	20%	-59%	-100%
5	SHWB & SIKKIM	33%	-8%	15%	24%	7%	41%	39%	-14%	91%	-31%	-69%	-57%
	SIKKIM	75%	-64%	-9%	30%	3%	80%	64%	13%	40%	-7%	-54%	-22%
1	EAST SIKKIM	60%	-39%	52%	-26%	-38%	0%	38%	16%	54%	-62%	-99%	17%
2	NORTH SIKKIM	104%	-72%	-9%	67%	28%	140%	97%	26%	40%	21%	-32%	-21%
3	SOUTH SIKKIM	-40%	-59%	-42%	-35%	-36%	5%	55%	23%	97%	-72%	-100%	-43%
4	WEST SIKKIM	7%	-21%	-35%	-46%	-40%	-17%	-11%	-41%	-15%	-50%	-100%	-49%
	WEST BENGAL	138%	-45%	62%	40%	79%	17%	3%	-1%	6%	-37%	-80%	-96%
1	COOCH BEHAR	-96%	-28%	-8%	-22%	14%	35%	17%	-47%	189%	-18%	-97%	-100%
2	DARJEELING	107%	89%	54%	-3%	-22%	21%	25%	4%	92%	-37%	-89%	-70%
3	JALPAIGURI	-44%	41%	13%	1%	7%	35%	58%	-9%	133%	-36%	-49%	-76%
4	MALDA	-22%	210%	247%	96%	20%	62%	3%	-20%	13%	-56%	-99%	-100%
5	NORTH DINAJPUR	-63%	225%	360%	356%	-21%	7%	16%	-40%	36%	-62%	-100%	-100%
6	SOUTH DINAJPUR	-40%	73%	85%	87%	107%	3%	18%	-50%	50%	-43%	-100%	-100%
6	GANGETIC WEST BENGAL	178%	-76%	67%	53%	134%	9%	-17%	9%	-40%	-36%	-80%	-99%
1	BANKURA	68%	-98%	159%	144%	156%	31%	-16%	7%	-55%	-53%	-61%	-99%
2	BIRBHUM	104%	-95%	64%	53%	104%	17%	9%	-3%	-28%	-66%	-100%	-99%
3	BURDWAN	179%	-93%	202%	76%	190%	37%	21%	-5%	-43%	-19%	-75%	-100%
4	EAST MIDNAPORE	212%	-53%	-16%	37%	304%	-25%	-50%	16%	-36%	31%	-90%	-100%
5	HOOGHLY	151%	-91%	121%	-2%	117%	10%	-7%	22%	-61%	-10%	-89%	-100%
6	HOWRAH	75%	-93%	-32%		222%	-10%	-28%	8%	-54%	-54%	-100%	-100%
7	KOLKATA	176%	-85%	13%	-13%	207%	33%	-8%	12%	-40%	-33%	-15%	-100%
8	MURSHIDABAD	105%	-58%	-11%	46%	24%	46%	13%	-14%	-14%	-62%	-91%	-100%
9	NADIA	156%	-86%	116%	-76%	116%	3%	13%	31%	-42%	-30%	-88%	-100%
10	NORTH 24 PARGANAS	180%	-80%	138%	105%	138%	36%	1%	16%	-46%	-65%	-37%	-100%
11	PURULIA	190%	-87%	133%	54%	131%	11%	-3%	3%	-24%	-38%	-77%	-92%
12	SOUTH 24 PARGANAS	248%	-74%	-32%	13%	112%	-16%	-52%	15%	-37%	-44%	-97%	-100%
13	WEST MIDNAPORE	249%	-51%	60%	77%	126%	-7%	-34%	13%	-50%	-26%	-30%	-100%
7	ODISHA	34%	174%	164%	228%	30%	15%	-35%	40%	-32%	62%	-81%	-99%
1	ANGUL	113%	466%	235%	296%	26%	21%	-29%	68%	-32%	125%	-100%	-100%
2	BALASORE	179%	-20%	80%	100%	110%	-17%	-56%	25%	-54%	12%	-91%	-100%
3	BARGARH	-26%	832%	312%	408%	137%	36%	-37%	69%	-50%	8%	-100%	-100%
4	BHADRAK	244%	-8%	77%	255%	59%	-6%	-46%	93%	-50%	55%	-100%	-100%
5	BOLANGIR	5%	227%	144%	88%	11%	21%	-39%	23%	-50%	17%	-100%	-100%
6	BOUDHGARH	62%	412%	159%	736%	-23%	10%	-9%	46%	-26%	127%	-100%	-100%
7	CUTTACK	-33%	193%	250%	281%	61%	-19%	-53%	61%	-65%	76%	-95%	-100%
8	DEOGARH	173%	374%	158%	750%	97%	53%	-34%	79%	-42%	137%	-55%	-100%
9	DHENKANAL	86%	291%	165%	227%	84%	33%	-47%	82%	-48%	24%	-100%	-100%
10	GAJAPATI	-67%	148%	86%	12%	-59%	13%	-31%	-38%	-28%	95%	-80%	-100%
11	GANJAM	-50%	180%	72%	211%	-34%	18%	-18%	-22%	-15%	108%	-83%	-100%
12	JAGATSINGHPUR	-13%	64%	64%	424%	152%	-17%	-40%	68%	-68%	80%	-99%	-100%
13	JAJPUR	68%	50%	97%	236%	30%	-39%	-48%	51%	-65%	44%	-99%	-100%

DISTRICT-WISE RAINFALL STATISTICS

		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
14	JHARSUGUDA	14%	132%	683%	528%	167%	88%	-30%	50%	12%	-20%	-76%	-99%
15	KALAHANDI	-28%	149%	270%	84%	13%	30%	-32%	-14%	-9%	125%	-97%	-100%
16	KANDHAMAL	-56%	176%	283%	208%	-59%	4%	-15%	12%	-19%	51%	-95%	-100%
17	KENDRAPARA	38%	-22%	255%	485%	58%	-33%	-51%	106%	-70%	96%	-98%	-100%
18	KEONJHARGARH	116%	147%	79%	252%	67%	5%	-48%	75%	-37%	-12%	-82%	-100%
19	KHURDA	-7%	153%	59%	214%	14%	-22%	-61%	8%	-41%	62%	-80%	-100%
20	KORAPUT	-15%	60%	157%	239%	16%	25%	-27%	19%	-16%	77%	-57%	-100%
21	MALKANGIRI	13%	-96%	106%	197%	-33%	26%	-19%	123%	16%	127%	-81%	-100%
22	MAYURBHANJ	197%	-1%	65%	250%	69%	3%	-47%	40%	-39%	3%	-15%	-100%
23	NAWAPARA	-50%	272%	351%	261%	42%	63%	-12%	3%	-30%	15%	-100%	-100%
24	NAWARANGPUR	-39%	-60%	176%	113%	40%	-7%	-18%	-8%	-5%	-2%	-100%	-100%
25	NAYAGARH	-49%	195%	66%	201%	-47%	11%	-42%	3%	-27%	65%	-97%	-100%
26	PURI	-24%	2%	65%	220%	108%	-38%	-58%	29%	-57%	93%	-91%	-100%
27	RAYAGADA	0%	117%	122%	70%	-50%	17%	-10%	-9%	-7%	102%	-73%	-100%
28	SAMBALPUR	1%	309%	254%	392%	-3%	31%	-35%	49%	-48%	118%	-77%	-100%
29	SONEPUR	127%	1151%	190%	582%	87%	-12%	-49%	56%	-47%	142%	-100%	-100%
30	SUNDARGARH	40%	169%	547%	592%	76%	55%	-49%	73%	-32%	4%	-67%	-100%
8	**JHARKHAND**	119%	-9%	487%	187%	47%	3%	-24%	1%	-38%	-20%	-24%	-96%
1	BOKARO	131%	-4%	362%	106%	115%	6%	-48%	-25%	-33%	-35%	-52%	-100%
2	CHATRA	66%	-3%	1182%	-75%	-7%	5%	-27%	-38%	-68%	-17%	-76%	-100%
3	DEOGHAR	21%	233%	352%	-12%	68%	-61%	-30%	-53%	-36%	-47%	-100%	-100%
4	DHANBAD	38%	-71%	247%	21%	35%	-7%	-15%	-17%	-29%	-8%	-86%	-95%
5	DUMKA	99%	25%	269%	134%	124%	-5%	19%	22%	-15%	-67%	-98%	-100%
6	EAST SINGBHUM	214%	-44%	339%	201%	72%	9%	-2%	52%	-39%	12%	31%	-100%
7	GARHWA	-19%	-41%	450%	-36%	28%	94%	-26%	-55%	-59%	-74%	-89%	-100%
8	GIRIDIH	118%	-44%	674%	-4%	63%	3%	-28%	17%	-17%	-53%	-70%	-100%
9	GODDA	-85%	209%	300%	152%	50%	15%	-20%	-57%	15%	-61%	-100%	-100%
10	GUMLA	92%	-33%	376%	61%	46%	-53%	-59%	-35%	-52%	-56%	-51%	-94%
11	HAZARIBAG	109%	-9%	628%	133%	-15%	19%	-20%	4%	-43%	-11%	7%	-100%
12	JAMTARA	65%	-84%	188%	144%	98%	-23%	-6%	-25%	-78%	-93%	-95%	-100%
13	KHUNTI	53%	-61%	606%	473%	25%	-28%	-51%	12%	-37%	-44%	-27%	-100%
14	KODERMA	-17%	-23%	625%	125%	57%	4%	23%	-14%	-9%	-16%	-84%	-99%
15	LATEHAR	202%	25%	988%	380%	65%	52%	35%	3%	-33%	188%	106%	-100%
16	LOHARDAGA	273%	9%	435%	84%	97%	-10%	0%	17%	-53%	153%	72%	-80%
17	PAKUR	241%	-47%	208%	92%	42%	-51%	-19%	-30%	-28%	-63%	-100%	-100%
18	PALAMU	74%	91%	1261%	90%	174%	134%	8%	2%	-39%	115%	37%	-72%
19	RAMGARH	196%	-46%	474%	208%	31%	13%	14%	32%	-4%	14%	155%	-91%
20	RANCHI	92%	-41%	413%	95%	-54%	-3%	-26%	11%	-49%	-33%	-80%	-90%
21	SAHIBGANJ	-77%	138%	245%	-12%	171%	-26%	-33%	-41%	89%	-97%	-100%	-100%
22	SERAIKELA-KHARSAWAN	49%	-44%	459%	526%	1%	-13%	-37%	-8%	-68%	-16%	122%	-100%
23	SIMDEGA	199%	33%	603%	492%	163%	-9%	-54%	51%	-13%	87%	-100%	-100%
24	WEST SINGBHUM	274%	-31%	358%	344%	5%	1%	-46%	37%	-72%	-27%	90%	-100%
9	**BIHAR**	8%	153%	467%	229%	44%	82%	27%	-29%	49%	-53%	-86%	-98%
1	ARARIA	14%	58%	437%	131%	-18%	109%	6%	-26%	145%	-83%	-100%	-100%

DISTRICT-WISE RAINFALL STATISTICS

		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
2	ARWAL	-56%	85%	687%	-100%	54%	90%	-26%	-32%	-39%	-77%	-82%	-100%
3	AURANGABAD	-28%	117%	807%	98%	52%	113%	-34%	-32%	-4%	-55%	3%	-81%
4	BANKA	-19%	407%	381%	139%	65%	64%	-7%	-37%	42%	-46%	-100%	-100%
5	BEGUSARAI	-42%	100%	206%	770%	49%	49%	12%	-43%	16%	23%	-100%	-100%
6	BHABUA	-46%	-20%	459%	40%	141%	89%	-8%	-47%	-73%	-65%	42%	-86%
7	BHAGALPUR	-29%	229%	621%	258%	94%	16%	43%	-15%	45%	-12%	-99%	-100%
8	BHOJPUR	-30%	63%	297%	80%	123%	146%	-14%	-28%	22%	-81%	-100%	-100%
9	BUXAR	-53%	8%	213%	-100%	188%	123%	29%	4%	-12%	-39%	-100%	-99%
10	DARBHANGA	-71%	27%	274%	310%	42%	117%	123%	-47%	65%	-48%	-100%	-100%
11	EAST CHAMPARAN	140%	426%	447%	338%	-11%	95%	104%	-22%	27%	-93%	-100%	-100%
12	GAYA	-68%	117%	1026%	-97%	70%	60%	-22%	-27%	-20%	-18%	-80%	-100%
13	GOPALGANJ	-40%	158%	642%	535%	80%	168%	56%	-35%	114%	-100%	-38%	-100%
14	JAHANABAD	20%	346%	1216%	137%	148%	162%	-13%	-2%	-13%	-76%	-95%	-100%
15	JAMUI	55%	56%	950%	596%	120%	46%	-25%	-37%	34%	40%	-100%	-100%
16	KATIHAR	-73%	326%	408%	172%	3%	-24%	37%	15%	117%	-30%	-100%	-100%
17	KHAGARIA	-27%	300%	340%	335%	43%	63%	-4%	-20%	17%	-32%	-100%	-100%
18	KISHANGANJ	-91%	258%	56%	198%	36%	83%	12%	-46%	124%	-61%	-100%	-100%
19	LAKHISARAI	44%	307%	3125%	440%	154%	121%	12%	-51%	66%	-12%	-100%	-100%
20	MADHEPURA	-56%	107%	307%	199%	-7%	47%	73%	-20%	31%	-52%	-100%	-100%
21	MADHUBANI	22%	41%	266%	175%	17%	110%	46%	-25%	59%	-87%	-100%	-100%
22	MONGHYR	-68%	-29%	195%	55%	52%	33%	17%	-12%	38%	-50%	-87%	-100%
23	MUZAFFARPUR	-80%	274%	1152%	364%	34%	130%	69%	-38%	58%	-87%	-100%	-100%
24	NALANDA	60%	194%	706%	326%	103%	128%	-47%	-20%	47%	-50%	-31%	-100%
25	NAWADA	-69%	35%	1088%	34%	-17%	53%	-3%	-2%	28%	-18%	-100%	-100%
26	PATNA	-32%	44%	178%	264%	172%	109%	6%	-18%	23%	-29%	-100%	-100%
27	PURNEA	57%	-16%	555%	180%	61%	87%	4%	-11%	96%	-55%	-100%	-98%
28	ROHTAS	-35%	182%	862%	-33%	296%	120%	-26%	-20%	-40%	-35%	-85%	-82%
29	SAHARSA	-37%	88%	106%	85%	-72%	14%	-27%	-46%	-4%	-43%	-100%	-100%
30	SAMASTIPUR	-31%	15%	286%	620%	46%	87%	75%	-26%	40%	-68%	-100%	-100%
31	SARAN	-90%	191%	369%	424%	127%	142%	42%	-54%	64%	-31%	-100%	-100%
32	SHEIKHPURA	-64%	63%	547%	-15%	84%	-16%	-38%	-42%	31%	-82%	-100%	-100%
33	SHEOHAR	-75%	331%	441%	433%	-26%	46%	111%	-41%	72%	-91%	-100%	-100%
34	SITAMARHI	85%	144%	95%	306%	51%	74%	78%	-27%	67%	-96%	-100%	-100%
35	SIWAN	-42%	95%	441%	435%	129%	125%	62%	-54%	12%	-98%	-96%	-100%
36	SUPAUL	-22%	123%	209%	111%	-16%	129%	62%	-45%	120%	-60%	-100%	-99%
37	VAISHALI	-48%	290%	266%	371%	112%	115%	30%	-60%	16%	-62%	-100%	-100%
38	WEST CHAMPARAN	417%	290%	196%	195%	29%	47%	85%	-31%	157%	-93%	-100%	-100%
	UTTAR PRADESH	149%	-19%	451%	144%	110%	48%	-13%	-26%	-50%	-98%	48%	-84%
10	**EAST UTTAR PRADESH**	126%	2%	472%	147%	127%	86%	-7%	-28%	-31%	-97%	66%	-83%
1	ALLAHABAD	3%	-63%	397%	322%	236%	61%	-13%	-13%	-27%	-100%	-65%	-3%
2	AMBEDKAR NAGAR	8%	32%	508%	113%	83%	440%	37%	-62%	31%	-100%	718%	-100%
3	AMETHI	159%	20%	294%	243%	173%	154%	-36%	-39%	-29%	-58%	758%	-98%
4	AZAMGARH	-60%	4%	585%	-2%	12%	93%	-25%	-40%	25%	-85%	-100%	-100%
5	BAHRAICH	209%	81%	450%	2%	153%	48%	29%	-27%	-65%	-100%	93%	-100%

DISTRICT-WISE RAINFALL STATISTICS

		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
6	BALLIA	-79%	-25%	267%	-68%	75%	72%	6%	-42%	42%	-89%	-83%	-100%
7	BALRAMPUR	459%	87%	1412%	-100%	58%	251%	-23%	3%	-16%	-100%	233%	-100%
8	BANDA	206%	-100%	80%	544%	211%	149%	-44%	-21%	-42%	-100%	-75%	-100%
9	BARABANKI	518%	-15%	912%	31%	189%	43%	58%	46%	-53%	-100%	421%	-100%
10	BASTI	246%	399%	960%	588%	261%	297%	82%	4%	106%	-97%	-66%	-100%
11	CHANDAULI	-59%	-100%	84%	-13%	361%	102%	-40%	-59%	-40%	-92%	-81%	-71%
12	CHITRAKOOT	53%	-90%	739%	833%	1095%	261%	-10%	48%	74%	-100%	25%	145%
13	DEORIA	-41%	126%	231%	503%	116%	116%	15%	-21%	44%	-100%	-76%	-100%
14	FAIZABAD	-3%	434%	1162%	25%	106%	109%	-33%	-24%	-39%	-95%	90%	-100%
15	FARRUKHABAD	120%	-97%	481%	241%	3%	-68%	-54%	-25%	-70%	-100%	352%	-100%
16	FATEHPUR	109%	-100%	96%	334%	416%	6%	-7%	-58%	-57%	-100%	-100%	-100%
17	GHAZIPUR	-100%	-26%	230%	-39%	176%	103%	-19%	-50%	-18%	-100%	-100%	-23%
18	GONDA	525%	131%	1067%	13%	326%	70%	14%	-29%	-68%	-100%	8%	-100%
19	GORAKHPUR	37%	138%	466%	41%	58%	128%	53%	-59%	21%	-97%	30%	-100%
20	HARDOI	85%	-81%	285%	91%	34%	-19%	-54%	-38%	-82%	-100%	414%	-100%
21	JAUNPUR	-84%	-71%	174%	15%	27%	4%	-26%	-57%	-39%	-97%	-91%	-77%
22	KANNAUJ	286%	-97%	511%	193%	137%	41%	-22%	-17%	-78%	-100%	1642%	-100%
23	KANPUR CITY	754%	-67%	921%	1075%	555%	43%	5%	-1%	-58%	-100%	166%	-100%
24	KANPUR DEHAT	259%	-95%	239%	108%	190%	-30%	-59%	-48%	-94%	-100%	165%	-100%
25	KAUSHAMBI	36%	-100%	197%	-100%	220%	1%	-63%	-69%	-77%	-100%	-100%	-100%
26	KHERI	82%	47%	374%	-24%	82%	-17%	3%	5%	-49%	-100%	71%	-100%
27	KUSHI NAGAR	103%	-51%	172%	-18%	-67%	-37%	16%	-76%	16%	-100%	-100%	-100%
28	LUCKNOW	336%	-64%	607%	358%	312%	-13%	-20%	-12%	-74%	-100%	411%	-100%
29	MAHARAJGANJ	155%	85%	238%	27%	2%	81%	12%	-80%	38%	-100%	-100%	-100%
30	MAU	-100%	-85%	267%	429%	15%	-1%	-27%	-56%	-29%	-100%	-100%	-100%
31	MIRZAPUR	89%	-65%	941%	126%	59%	207%	-12%	-27%	-76%	-99%	23%	-100%
32	PRATAPGARH	67%	-58%	258%	991%	233%	110%	26%	-7%	-34%	-100%	-100%	-100%
33	RAE BAREILLY	53%	-46%	378%	548%	325%	62%	-46%	-28%	-71%	-100%	194%	-100%
34	SANT KABIR NAGAR	370%	51%	268%	150%	-16%	139%	40%	-22%	8%	-100%	829%	-100%
35	SANT RAVIDAS NAGAR	131%	12%	366%	1096%	428%	264%	20%	-27%	-1%	-100%	-100%	-100%
36	SHRAWASTI NAGAR		106%	474%	-100%	-49%	94%	-13%	-37%	-47%	-100%	20%	-100%
37	SIDDHARTH NAGAR	172%	217%	540%	191%	-16%	190%	21%	-73%	49%	-100%	-82%	-100%
38	SITAPUR	44%	-21%	322%	3%	19%	-20%	-25%	-1%	-85%	-100%	237%	-100%
39	SONBHADRA	-11%	-29%	733%	169%	331%	126%	-31%	-38%	-21%	-81%	339%	59%
40	SULTANPUR	86%	58%	1256%	213%	183%	222%	-5%	-15%	-8%	-97%	458%	-100%
41	UNNAO	370%	-85%	193%	451%	175%	-46%	-48%	-34%	-82%	-100%	141%	-100%
42	VARANASI	-28%	-20%	458%	657%	184%	183%	-17%	-28%	-37%	-54%	-62%	-11%
11	**WEST UTTAR PRADESH**	182%	-43%	427%	144%	77%	-33%	-25%	-22%	-87%	-100%	22%	-85%
1	AGRA	101%	-99%	352%	63%	208%	-21%	-54%	-23%	-88%	-100%	155%	-100%
2	ALIGARH	160%	-39%	1820%	20%	30%	-69%	-49%	-3%	-95%	-100%	268%	-100%
3	AURAIYA	520%	-100%	465%	163%	37%	89%	-38%	-40%	-92%	-100%	100%	-100%
4	BADAUN	164%	-9%	462%	79%	-8%	-59%	-2%	-49%	-98%	-100%	44%	-100%
5	BAGHPAT	111%	-64%	477%	-67%	198%	-31%	-38%	-35%	-100%	-100%	-100%	-100%
6	BAREILLY	340%	9%	731%	772%	129%	11%	9%	-23%	-82%	-100%	17%	-100%

DISTRICT-WISE RAINFALL STATISTICS

		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
7	BIJNOR	147%	50%	356%	215%	3%	-66%	-5%	57%	-97%	-100%	-95%	-36%
8	BULANDSHAHAR	51%	-54%	363%	96%	32%	-80%	-55%	-50%	-95%	-100%	-75%	-100%
9	ETAH	176%	-71%	636%	85%	34%	-53%	-42%	13%	-84%	-100%	1304%	-100%
10	ETAWAH	376%	-100%	384%	268%	91%	29%	-35%	3%	-97%	-100%	391%	-100%
11	FIROZABAD	129%	-100%	698%	335%	422%	34%	-37%	-5%	-96%	-100%	573%	-100%
12	GAUTAM BUDDHA NAGAR	-22%	-100%	118%	-63%	-62%	-88%	-94%	-77%	-98%	-100%	-55%	-100%
13	GHAZIABAD	17%	-94%	570%	-7%	56%	-70%	-69%	-60%	-100%	-100%	-52%	-77%
14	HAMIRPUR	185%	-97%	190%	264%	356%	41%	16%	-13%	-63%	-100%	-69%	-100%
15	HAPUR	346%	-100%	313%	-43%	161%	-40%	-39%	-27%	-100%	-100%	-100%	-72%
16	JALAUN	251%	-100%	39%	232%	56%	-26%	-21%	-48%	-71%	-100%	-100%	-100%
17	JHANSI	175%	-100%	124%	-69%	93%	14%	-37%	-21%	-79%	-100%	-79%	-100%
18	JYOTIBA PHULE NAGAR	126%	-100%	183%	351%	76%	-87%	-42%	-45%	-86%	-100%	-92%	-100%
19	KANSHIRAM NAGAR	167%	-27%	651%	38%	-23%	11%	-43%	-30%	-85%	-100%	61%	-100%
20	LALITPUR	163%	-100%	38%	-100%	-83%	-7%	-48%	4%	-66%	-100%	-80%	-13%
21	MAHAMAYA NAGAR	359%	-25%	993%	54%	-8%	-16%	-46%	-6%	-94%	-100%	554%	-100%
22	MAHOBA	5%	-100%	215%	205%	117%	-9%	-66%	-37%	-72%	-100%	-62%	-100%
23	MAINPURI	176%	-91%	549%	47%	336%	-39%	-34%	-19%	-81%	-100%	150%	-100%
24	MATHURA	266%	-100%	400%	-100%	-8%	-54%	-74%	-48%	-100%	-100%	0%	-100%
25	MEERUT	118%	-51%	175%	0%	98%	-57%	-12%	-52%	-100%	-100%	-56%	-44%
26	MORADABAD	248%	29%	499%	272%	8%	-41%	-21%	11%	-98%	-100%	-100%	-100%
27	MUZAFFARNAGAR	251%	0%	653%	275%	240%	-29%	5%	-13%	-63%	-100%	-77%	-90%
28	PILIBHIT	393%	-60%	421%	10%	54%	-16%	8%	-45%	-91%	-100%	-89%	-100%
29	RAMPUR	227%	-70%	86%	161%	54%	-32%	-63%	-51%	-91%	-100%	-100%	-100%
30	SAHARANPUR	146%	-48%	275%	181%	96%	-28%	15%	11%	-69%	-100%	133%	-62%
31	SAMBHAL	388%	-17%	341%	688%	140%	-62%	8%	-32%	-100%	-100%	-32%	-100%
32	SHAHJAHANPUR	37%	-53%	423%	142%	7%	-74%	1%	-57%	-91%	-100%	143%	-100%
33	SHAMLI	-17%	-8%	527%	38%	-2%	-70%	-38%	-24%	-100%	-100%	-100%	-100%
12	**UTTARAKHAND**	**217%**	**-35%**	**115%**	**49%**	**9%**	**-18%**	**-10%**	**-7%**	**-69%**	**-99%**	**34%**	**-55%**
1	ALMORA	184%	-11%	148%	-48%	12%	-17%	-20%	-9%	-91%	-100%	-100%	-86%
2	BAGESHWAR	182%	-20%	155%	61%	99%	124%	159%	209%	-16%	-100%	-75%	-77%
3	CHAMOLI	228%	-90%	14%	3%	-17%	-16%	16%	44%	-67%	-98%	-15%	-67%
4	CHAMPAWAT	218%	17%	144%	26%	-21%	-42%	-44%	-53%	-77%	-100%	-100%	-97%
5	DEHRADUN	224%	23%	203%	171%	-31%	-31%	-20%	-14%	-62%	-100%	205%	-21%
6	GARHWAL PAURI	231%	-8%	219%	7%	-7%	-52%	-35%	-45%	-78%	-100%	-5%	-69%
7	GARHWAL TEHRI	337%	-50%	192%	52%	-33%	-6%	-22%	-19%	-84%	-100%	10%	-50%
8	HARDWAR	178%	-11%	413%	30%	164%	-34%	6%	-9%	-74%	-100%	447%	6%
9	NAINITAL	272%	50%	219%	39%	69%	-37%	-24%	-20%	-68%	-100%	-100%	-72%
10	PITHORAGARH	210%	-10%	44%	35%	6%	18%	12%	10%	-61%	-99%	-100%	-84%
11	RUDRAPRAYAG	149%	-38%	103%	19%	22%	-7%	-35%	-27%	-81%	-100%	40%	-84%
12	UDHAM SINGH NAGAR	238%	67%	208%	747%	68%	20%	22%	-11%	-52%	-100%	-80%	-68%
13	UTTARKASHI	160%	-78%	103%	88%	-3%	-65%	-41%	-33%	-77%	-100%	417%	42%
13	**HAR. CHD & DELHI**	**61%**	**-60%**	**471%**	**0%**	**112%**	**-1%**	**6%**	**-11%**	**-68%**	**-100%**	**71%**	**-68%**
	HARYANA	**62%**	**-59%**	**476%**	**-3%**	**120%**	**1%**	**7%**	**-13%**	**-68%**	**-100%**	**75%**	**-67%**
1	AMBALA	104%	-95%	217%	202%	131%	-35%	-47%	8%	-89%	-100%	96%	-46%

DISTRICT-WISE RAINFALL STATISTICS

		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
2	BHIWANI	-45%	-74%	568%	-84%	66%	-20%	-21%	-68%	-55%	-100%	-64%	-85%
3	FARIDABAD	143%	-98%	989%	19%	59%	119%	10%	10%	-87%	-100%	-26%	-100%
4	FATEHABAD	38%	-11%	340%	-53%	27%	-28%	41%	3%	-53%	-100%	-35%	-100%
5	GURGAON	40%	-91%	435%	-54%	-14%	-20%	-16%	51%	-65%	-100%	-85%	-100%
6	HISAR	-24%	-23%	416%	-64%	82%	-31%	35%	-61%	-44%	-100%	190%	-94%
7	JHAJJAR	10%	-63%	439%	-33%	20%	56%	20%	-5%	-69%	-100%	-93%	-82%
8	JIND	-2%	-90%	390%	-58%	99%	52%	28%	-71%	-96%	-100%	163%	-100%
9	KAITHAL	74%	-68%	556%	92%	401%	84%	149%	-36%	-87%	-100%	183%	55%
10	KARNAL	138%	-43%	471%	102%	189%	76%	89%	11%	-87%	-100%	500%	-81%
11	KURUKSHETRA	146%	-82%	287%	59%	300%	69%	57%	-24%	-90%	-100%	471%	61%
12	MAHENDRAGARH	-89%	-80%	837%	-35%	8%	-46%	-40%	-30%	-39%	-100%	-100%	-100%
13	MEWAT	-22%	-100%	1057%	-13%	152%	-31%	-45%	50%	-64%	-100%	-49%	-100%
14	PALWAL	97%	-82%	1804%	51%	204%	-53%	-28%	22%	-100%	-100%	108%	-100%
15	PANCHKULA	-2%	-79%	145%	-16%	-5%	-66%	-66%	-54%	-86%	-100%	-19%	-75%
16	PANIPAT	91%	19%	437%	-75%	268%	-37%	-6%	-1%	-89%	-100%	53%	-81%
17	REWARI	87%	-68%	1166%	121%	209%	84%	-67%	-14%	-27%	-100%	-81%	-100%
18	ROHTAK	-29%	-75%	309%	-57%	2%	-64%	-46%	-53%	-85%	-100%	-90%	-86%
19	SIRSA	121%	-3%	373%	17%	161%	25%	44%	8%	128%	-100%	135%	-87%
20	SONEPAT	39%	23%	808%	-59%	319%	-31%	31%	-7%	-90%	-100%	-35%	-93%
21	YAMUNA NAGAR	207%	-64%	224%	19%	119%	-48%	-6%	18%	-85%	-100%	269%	-27%
	CHANDIGARH (UT)	12%	-87%	111%	201%	68%	1%	-2%	30%	-93%	-100%	129%	-60%
	DELHI	70%	-87%	369%	88%	-46%	-51%	-15%	10%	-67%	-100%	-84%	-97%
1	CENTRAL DELHI	146%	-100%				-53%	-61%	-61%	-76%	-100%	-6%	-100%
2	EAST DELHI	87%	-94%	329%	252%	36%	-56%	-40%	10%	-68%	-100%	-100%	-59%
3	NEW DELHI	163%	-94%	386%	-64%	-57%	-29%	37%	-7%	-83%	-100%	-95%	-90%
4	NORTH DELHI	154%	-94%	1406%	-20%	-12%	-31%	50%	39%	-84%	-100%	32%	-100%
5	NORTH EAST DELHI	87%	-65%	852%	-64%	-13%	-47%	-35%	-19%	-88%	-100%	-100%	-100%
6	NORTH WEST DELHI	-58%	-74%			-39%	-92%	-60%	21%	-55%	-100%	-100%	-100%
7	SOUTH DELHI	68%	-93%	421%	120%	-63%	-18%	-27%	0%	-64%	-100%	-98%	-100%
8	SOUTH WEST DELHI	134%	-92%	198%	224%	-58%	-34%	33%	14%	-66%	-100%	-70%	-100%
9	WEST DELHI	198%	-89%		-18%	-51%	-80%	-5%	13%	-89%	-100%	-82%	-100%
14	PUNJAB	118%	-74%	237%	25%	56%	-9%	5%	-16%	-73%	-100%	129%	-31%
1	AMRITSAR	109%	-45%	82%	43%	-43%	-22%	-18%	-10%	-78%	-100%	107%	-7%
2	BARNALA	204%	-71%	659%	-84%	280%	-25%	96%	-31%	-93%	-100%	76%	-89%
3	BHATINDA	218%	-65%	530%	-100%	12%	-23%	40%	2%	-67%	-100%	217%	-40%
4	FARIDKOT	135%	-94%	275%	-14%	114%	-60%	94%	78%	131%	-100%	38%	-53%
5	FATEHGARH SAHIB	63%	-97%	418%	169%	330%	135%	12%	-48%	-96%	-100%	37%	-55%
6	FEROZEPUR	289%	-98%	261%	10%	-39%	-53%	-12%	-3%	-34%	-100%	67%	-61%
7	GURDASPUR	140%	-79%	215%	11%	68%	60%	-24%	40%	-82%	-100%	167%	29%
8	HOSHIARPUR	40%	-86%	83%	20%	-30%	-32%	-67%	-48%	-89%	-100%	15%	-12%
9	JALANDHAR	35%	-66%	195%	12%	18%	-28%	-33%	-32%	-72%	-100%	147%	-29%
10	KAPURTHALA	44%	-50%	338%	307%	32%	120%	8%	-30%	9%	-100%	414%	23%
11	LUDHIANA	78%	-95%	245%	38%	123%	-2%	-2%	-40%	-87%	-100%	214%	-76%
12	MANSA	67%	-74%	371%	-88%	60%	-53%	-34%	-58%	-86%	-100%	231%	-91%

DISTRICT-WISE RAINFALL STATISTICS

		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
13	MOGA	176%	-100%	370%	-41%	55%	70%	-4%	-65%	-29%	-100%	668%	-100%
14	MUKTSAR	81%	-52%	219%	-42%	-26%	-7%	102%	-7%	0%	-100%	7%	-55%
15	NAWANSHAHAR	111%	-59%	238%	39%	184%	16%	-41%	-40%	-100%	-100%	138%	-22%
16	PATIALA	79%	-93%	314%	197%	202%	-37%	18%	-43%	-96%	-100%	154%	-41%
17	ROPAR	75%	-51%	105%	107%	-56%	-28%	0%	43%	-88%	-100%	78%	29%
18	SANGRUR	110%	-84%	282%	-64%	27%	-12%	117%	-41%	-83%	-100%	53%	-72%
19	SAS NAGAR (MOHALI)	61%	-82%	200%	47%	-71%	31%	-17%	13%	-88%	-100%	141%	-48%
20	TARN TARAN	329%	-46%	345%	96%	150%	-50%	-36%	-43%	-78%	-100%	386%	-47%
15	**HIMACHAL PRADESH**	39%	-88%	44%	-19%	-13%	-32%	-25%	1%	-77%	-98%	109%	-22%
1	BILASPUR	120%	-79%	233%	12%	46%	-58%	25%	57%	-63%	-100%	95%	48%
2	CHAMBA	7%	-97%	84%	9%	-43%	-37%	-64%	-38%	-81%	-99%	38%	-18%
3	HAMIRPUR	74%	-78%	209%	12%	23%	-48%	-17%	6%	-65%	-100%	53%	7%
4	KANGRA	73%	-86%	180%	32%	51%	-16%	-32%	1%	-75%	-100%	58%	4%
5	KINNAUR	46%	-96%	-29%	-59%	-70%	-47%	-19%	-56%	-93%	-100%	165%	-69%
6	KULLU	153%	-98%	73%	48%	-7%	-21%	12%	56%	-77%	-99%	288%	-21%
7	LAHAUL & SPITI	-25%	-89%	-52%	-60%	-32%	-44%	-71%	-74%	-91%	-92%	80%	-23%
8	MANDI	94%	-83%	93%	65%	24%	-33%	-34%	7%	-59%	-100%	103%	-19%
9	SHIMLA	54%	-79%	67%	13%	-1%	-26%	-13%	-15%	-83%	-100%	276%	-50%
10	SIRMAUR	194%	-51%	293%	94%	30%	-31%	-45%	-11%	-81%	-100%	413%	-23%
11	SOLAN	186%	-41%	223%	89%	-27%	-23%	-5%	0%	-93%	-100%	215%	-28%
12	UNA	42%	-87%	211%	20%	94%	-12%	-8%	19%	-80%	-100%	78%	-10%
16	**J & K AND LADAKH**	54%	-84%	32%	-36%	-20%	-35%	-53%	10%	-70%	-99%	49%	-9%
	JAMMU & KASHMIR(UT)	54%	-84%	32%	-36%	-20%	-35%	-53%	10%	-70%	-99%	49%	-9%
1	ANANTNAG	69%	-86%	-19%	-37%	-47%	-39%	-53%	22%	-47%	-100%	-12%	14%
2	BADGAM	13%	-90%	16%	-36%	-46%	18%	-82%	16%	-82%	-100%	-41%	-23%
3	BANDIPORE	-43%	-92%	-17%	-24%	-3%	-71%	-95%	-52%	-45%	-100%	51%	-36%
4	BARAMULA	69%	-86%	-13%	-62%	-17%	-45%	-61%	52%	-13%	-99%	122%	-37%
5	DODA	113%	-94%	49%	-52%	27%	-65%	-56%	21%	-69%	-100%	-33%	-46%
6	GANDERBAL	109%	-86%	20%	10%	-19%	-49%	-42%	57%	8%	-100%	331%	80%
7	JAMMU	81%	-73%	93%	-58%	-47%	-47%	-71%	18%	-87%	-100%	-21%	-30%
8	KATHUA	9%	-79%	61%	-34%	-16%	-2%	-26%	4%	-96%	-100%	-19%	-44%
9	KISTWAR							-77%	-41%	-78%	-100%	41%	12%
10	KULGAM	46%	-90%	18%	-9%	-56%	-68%	-67%	52%	-64%	-98%	-23%	-57%
11	KUPWARA	132%	-43%	-22%	-14%	4%	-16%	-74%	-6%	-17%	-99%	255%	76%
12	POONCH	-10%	-76%		-24%	-41%		-86%	68%	-40%	-97%	126%	137%
13	PULWAMA	196%	-93%	22%	-32%	-49%	-14%	-87%	-19%	-65%	-100%	-35%	1%
14	RAJOURI	70%	-90%	55%	-45%	-33%	-5%	-57%	-4%	-82%	-100%	19%	-60%
15	RAMBAN	43%	-87%	45%	0%	-35%	-44%	-70%	119%	-46%	-100%	26%	-27%
16	REASI	69%	-71%	139%	-34%	-31%	-54%	-21%	25%	-61%	-100%	98%	6%
17	SAMBA	31%	-98%				-77%	-32%	39%	-66%	-100%	45%	-35%
18	SHOPIAN	-59%	-100%				-95%	-89%	-53%	-89%	-100%	-87%	-65%
19	SRINAGAR	28%	-96%	9%	-22%	-28%	18%	-79%	77%	27%	-100%	-7%	18%
20	UDHAMPUR	-26%	-83%	176%	-9%	14%	16%	-56%	-19%	-91%	-100%	45%	48%
	LADAKH (UT)	-100%	-88%	-83%	-57%	-72%	-31%	-77%	-46%	-98%	-100%	-50%	-68%

DISTRICT-WISE RAINFALL STATISTICS

		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	KARGIL		-60%		20%		-65%	-100%	-99%	-100%	-100%	-73%	-1%
2	LADAKH (LEH)	-100%	-97%	-83%	-82%	-72%	-20%	-70%	-30%	-98%	-100%	-42%	-88%
	RAJASTHAN	60%	-99%	444%	31%	66%	6%	-35%	52%	15%	-65%	-54%	-90%
17	**EAST RAJASTHAN**	-37%	-98%	523%	76%	53%	11%	-46%	44%	-14%	-74%	-37%	-87%
1	AJMER	-100%	-100%	446%	98%	166%	-8%	-34%	52%	2%	-77%	-11%	-100%
2	ALWAR	-76%	-91%	1250%	47%	19%	1%	-55%	-2%	-48%	-100%	-29%	-100%
3	BANSWARA	-100%	-100%	471%	-74%	-100%	17%	-53%	101%	6%	-75%	-100%	53%
4	BARAN	113%	-88%	326%	-25%	-87%	48%	-53%	7%	-54%	-71%	-85%	-43%
5	BHARATPUR	48%	-100%	700%	90%	145%	-7%	-35%	21%	-52%	-100%	88%	-100%
6	BHILWARA	-93%	-100%	467%	81%	72%	22%	-65%	49%	7%	-84%	-90%	-100%
7	BUNDI	-87%	-100%	338%	-25%	135%	-15%	-66%	19%	-50%	-80%	73%	-100%
8	CHITTORGARH	-91%	-100%	694%	23%	9%	19%	-41%	13%	-1%	48%	-51%	-94%
9	DAUSA	-100%	-100%	210%	-17%	108%	-29%	-38%	29%	-70%	-100%	147%	-100%
10	DHOLPUR	265%	-100%	403%	73%	151%	9%	-38%	-19%	-85%	-100%	368%	-100%
11	DUNGARPUR	-100%	-100%	129%	-100%	-100%	-10%	-33%	141%	15%	-43%	-100%	29%
12	JAIPUR	-94%	-100%	646%	100%	91%	-12%	-45%	101%	-26%	-93%	113%	-96%
13	JHALAWAR	-13%	-100%	191%	-71%	-81%	105%	-52%	17%	-36%	-95%	-96%	-100%
14	JHUNJHUNU	-68%	-99%	182%	103%	-16%	-3%	-39%	-35%	40%	-100%	-100%	-99%
15	KARAULI	97%	-100%	558%	-44%	94%	9%	-33%	10%	-73%	-100%	168%	-100%
16	KOTA	-11%	-100%	526%	37%	-55%	61%	-45%	-3%	-22%	-100%	-85%	-89%
17	PRATAPGARH	-100%	-100%	514%	-42%	-75%	29%	-48%	66%	33%	-52%	-100%	109%
18	RAJSAMAND	-100%	-100%	713%	306%	81%	39%	-38%	83%	18%	-48%	-98%	-100%
19	SAWAI MADHOPUR	25%	-100%	365%	119%	113%	-20%	-36%	21%	-46%	-78%	155%	-100%
20	SIKAR	-77%	-100%	754%	302%	54%	31%	-15%	37%	11%	-100%	-51%	-100%
21	SIROHI	-100%	-100%	149%	-69%	-2%	-37%	-60%	110%	49%	-87%	-100%	-100%
22	TONK	12%	-100%	415%	101%	143%	-42%	-59%	23%	-29%	-81%	32%	-100%
23	UDAIPUR	-100%	-100%	391%	69%	25%	-8%	-38%	96%	25%	-35%	-98%	-80%
18	**WEST RAJASTHAN**	181%	-99%	404%	0%	77%	-1%	-16%	67%	74%	-49%	-94%	-95%
1	BARMER	304%	-100%	275%	-78%	60%	12%	-46%	81%	58%	-16%	-100%	-78%
2	BIKANER	204%	-99%	179%	12%	88%	-45%	-27%	29%	36%	-100%	-99%	-100%
3	CHURU	-7%	-100%	405%	36%	42%	51%	35%	4%	35%	-57%	-100%	-100%
4	HANUMANGARH	237%	-100%	721%	-90%	147%	-36%	-28%	-9%	27%	-100%	-41%	-88%
5	JAISALMER	799%	-100%	595%	5%	-21%	-21%	-5%	104%	167%	-100%	-87%	-100%
6	JALORE	-100%	-100%	352%	-100%	-37%	17%	-38%	158%	16%	46%	-100%	-100%
7	JODHPUR	56%	-100%	638%	-17%	96%	32%	-4%	99%	163%	32%	-100%	-97%
8	NAGAUR	-100%	-100%	489%	117%	131%	-5%	20%	25%	83%	-83%	-100%	-100%
9	PALI	-93%	-100%	337%	84%	222%	19%	-50%	91%	37%	-15%	-100%	-100%
10	SRI GANGANAGAR	495%	-95%	486%	-30%	75%	-20%	-22%	-29%	26%	-100%	-43%	-64%
	MADHYA PRADESH	99%	-13%	264%	153%	141%	66%	-42%	45%	-27%	-47%	-64%	-24%
19	**EAST MADHYA PRADESH**	111%	12%	282%	249%	208%	51%	-42%	32%	-36%	-24%	-48%	-49%
1	ANUPPUR	76%	72%	548%	196%	29%	34%	-21%	35%	-14%	64%	-66%	-90%
2	BALAGHAT	438%	67%	356%	46%	24%	-14%	-48%	46%	-41%	59%	4%	-95%
3	CHHATARPUR	104%	-100%	231%	392%	183%	8%	-46%	-1%	-48%	-100%	-31%	97%
4	CHHINDWARA	265%	46%	244%	211%	89%	64%	-29%	99%	16%	-5%	-76%	-80%

DISTRICT-WISE RAINFALL STATISTICS

		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
5	DAMOH	31%	-100%	99%	17%	82%	21%	-58%	46%	-46%	-99%	-77%	11%
6	DINDORI	127%	104%	2114%	377%	576%	35%	-16%	39%	-30%	55%	-66%	-87%
7	JABALPUR	82%	-85%	115%	-79%	96%	-20%	-40%	51%	-58%	-92%	-45%	-92%
8	KATNI	165%	-36%	93%	1843%	1112%	83%	-62%	14%	-71%	-79%	24%	0%
9	MANDLA	68%	172%	99%	376%	195%	23%	-41%	45%	-31%	44%	-33%	-85%
10	NARSINGHPUR	154%	-100%	-70%	393%	-79%	27%	-46%	63%	-27%	-100%	-100%	-87%
11	PANNA	34%	-80%	429%	103%	807%	136%	-55%	-10%	-50%	-100%	10%	85%
12	REWA	15%	-7%	97%	145%	397%	103%	-8%	-10%	-19%	-92%	-3%	-23%
13	SAGAR	8%	-99%	105%	153%	59%	38%	-55%	25%	-49%	-100%	-77%	-8%
14	SATNA	9%	-82%	-14%	156%	382%	96%	-59%	-2%	-49%	-92%	-29%	58%
15	SEONI	8%	56%	84%	152%	102%	53%	-37%	65%	-24%	-38%	-66%	-81%
16	SHAHDOL	159%	235%	977%	567%	36%	61%	-39%	8%	-54%	105%	-64%	-80%
17	SIDHI	6%	-35%	14%	367%	494%	131%	-37%	-15%	-53%	-55%	26%	82%
18	SINGRAULI	169%	175%	323%	249%	1027%	192%	-18%	-1%	29%	25%	-31%	-15%
19	TIKAMGARH	196%	-100%	171%	-87%	48%	14%	-54%	21%	-63%	-100%	-71%	-15%
20	UMARIA	54%	-36%	626%	592%	316%	79%	-33%	43%	-70%	108%	-55%	-88%
20	**WEST MADHYA PRADESH**	77%	-69%	232%	-9%	71%	81%	-42%	56%	-18%	-67%	-76%	1%
1	AGAR-MALWA	151%	-100%	158%	-100%	-100%	166%	-30%	57%	-46%	-89%	-100%	45%
2	ALIRAJPUR	-100%	-100%	272%	-100%	-100%	37%	-42%	71%	26%	-40%	-100%	378%
3	ASHOKNAGAR	179%	-41%	6%	-100%	1293%	120%	-30%	62%	-65%	-98%	-31%	-89%
4	BARWANI	-100%	-100%	13%	-14%	-83%	146%	-18%	14%	30%	-67%	-100%	292%
5	BETUL	464%	-12%	313%	-31%	140%	76%	-48%	75%	-14%	-26%	-86%	-62%
6	BHIND	516%	-100%	835%	156%	476%	20%	-33%	-6%	-90%	-100%	760%	-100%
7	BHOPAL	-40%	-100%	338%	-97%	198%	248%	-67%	73%	-19%	-35%	-99%	24%
8	BURHANPUR	17%	-100%	-85%	-100%	-75%	7%	41%	11%	-13%	-12%	-100%	-60%
9	DATIA	301%	-100%	247%	125%	121%	52%	-18%	-22%	-81%	-100%	97%	-100%
10	DEWAS	-81%	-100%	135%	-100%	-56%	186%	-51%	90%	70%	-87%	-100%	7%
11	DHAR	-100%	-100%	130%	-100%	-86%	34%	-52%	24%	34%	-54%	-100%	467%
12	GUNA	185%	-100%	-11%	18%	-26%	100%	-61%	47%	-60%	-76%	-47%	-47%
13	GWALIOR	355%	-93%	540%	-5%	292%	-31%	-35%	6%	-84%	-100%	233%	-100%
14	HARDA	-75%	-87%	216%	45%	-58%	111%	-43%	66%	-49%	-61%	-100%	-9%
15	HOSHANGABAD	-26%	-100%	34%	-56%	120%	18%	-59%	78%	-56%	-85%	-100%	-75%
16	INDORE	-100%	-100%	108%	-100%	-12%	77%	-28%	94%	62%	13%	-100%	170%
17	JHABUA	-100%	-100%	205%	-38%	-100%	68%	-33%	86%	13%	-92%	-100%	311%
18	KHANDWA	-20%	-100%	348%	-100%	-100%	81%	-7%	68%	-15%	-86%	-100%	11%
19	KHARGONE	-100%	-100%	-31%	-100%	-95%	80%	-24%	21%	25%	-67%	-100%	146%
20	MANDSAUR	-100%	-100%	52%	-100%	-28%	30%	-56%	15%	-59%	-82%	-97%	106%
21	MORENA	265%	-100%	1149%	-44%	232%	129%	-15%	-18%	-84%	-100%	671%	-100%
22	NEEMUCH	-51%	-100%	363%	598%	64%	62%	-39%	12%	-50%	102%	-100%	-9%
23	RAISEN	-70%	-100%	271%	-93%	114%	85%	-39%	89%	-4%	-96%	-93%	-50%
24	RAJGARH	32%	-100%	205%	95%	0%	55%	-42%	79%	-11%	-88%	-100%	48%
25	RATLAM	-86%	-100%	339%	-100%	-83%	100%	-37%	69%	3%	8%	-100%	87%
26	SEHORE	-100%	-100%	152%	-71%	5%	125%	-60%	118%	-17%	-84%	-99%	-34%
27	SHAJAPUR	-35%	-100%	427%	127%	-69%	90%	-53%	77%	-8%	-96%	-73%	-40%

DISTRICT-WISE RAINFALL STATISTICS

		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
28	SHEOPUR	98%	-100%	166%	-26%	413%	56%	-40%	10%	-45%	-99%	26%	-99%
29	SHIVPURI	201%	101%	338%	69%	340%	23%	-49%	74%	-77%	-96%	-87%	-100%
30	UJJAIN	-15%	-100%	329%	33%	-66%	88%	-36%	60%	35%	-22%	-99%	27%
31	VIDISHA	-71%	-100%	119%	-78%	61%	141%	-57%	32%	6%	-99%	-92%	12%
	GUJARAT	-82%	-100%	105%	-76%	-88%	1%	-7%	198%	0%	44%	-100%	405%
21	GUJARAT REGION	-100%	-100%	248%	-100%	-82%	-24%	-50%	115%	-17%	-41%	-100%	627%
1	AHMEDABAD	-100%	-100%	704%	-100%	-100%	32%	-46%	55%	-55%	-55%	-100%	-93%
2	ANAND	-100%	-100%	-83%	-100%	-100%	-11%	-67%	154%	-49%	19%	-100%	289%
3	ARAVALLI	-100%	-100%	703%	-100%	-100%	-25%	-41%	75%	-51%	-52%	-100%	243%
4	BANASKANTHA	-100%	-100%	185%	-100%	63%	-16%	-60%	153%	18%	-40%	-100%	-100%
5	BHARUCH	-100%	-100%	-100%	-100%	-100%	-36%	-20%	184%	31%	-25%	-100%	1437%
6	CHHOTA UDEPUR	-100%	-100%	474%	-100%	-100%	-16%	-66%	100%	-23%	-61%	-100%	931%
7	DADARA & NAGAR HAVELI	-100%	-100%	-100%	-100%	-100%	-35%	-44%	133%	-38%	-15%	-100%	-100%
8	DAHOD	-100%	-100%	-100%	-100%	-100%	-43%	-71%	24%	-44%	-80%	-100%	102%
9	DAMAN	-100%	-100%	-100%	-100%	-100%	-72%	-41%	57%	-44%	-17%	-100%	-100%
10	DANGS	-100%	-100%	11%	-100%	-100%	-34%	-65%	29%	-43%	-25%	-100%	1641%
11	GANDHINAGAR	-100%	-100%	358%	-100%	-100%	61%	-27%	92%	-6%	-50%	-100%	-12%
12	KHEDA	-100%	-100%	636%	-100%	-100%	25%	-52%	69%	-54%	21%	-100%	760%
13	MAHISAGAR	-100%	-100%	982%	-100%	-100%	41%	-66%	38%	-7%	-33%	-100%	1227%
14	MEHSANA	-100%	-100%	100%	-100%	-100%	10%	-56%	122%	-40%	-38%	-100%	-52%
15	NARMADA	-100%	-100%	133%	-100%	-100%	-31%	-64%	116%	38%	-23%	-100%	956%
16	NAVSARI	-100%	-100%	-71%	-100%	-100%	-71%	-39%	166%	-13%	-88%	-100%	5667%
17	PANCHMAHAL	-100%	-100%	376%	-100%	-100%	8%	-62%	68%	-4%	-81%	-100%	134%
18	PATAN	-100%	-100%	31%	-100%	-100%	4%	-49%	243%	-26%	-14%	-100%	-100%
19	SABARKANTHA	-100%	-100%	975%	-100%	-88%	5%	-50%	107%	6%	-33%	-100%	-35%
20	SURAT	-100%	-100%	38%	-100%	-100%	-49%	-25%	278%	30%	-15%	-100%	2826%
21	TAPI	-100%	-100%	-100%	-100%	-100%	-57%	-56%	124%	-11%	-23%	-100%	1946%
22	VADODARA	-100%	-100%	71%	-100%	-99%	-32%	-56%	57%	-40%	-90%	-100%	385%
23	VALSAD	-100%	-100%	114%	-100%	-100%	-53%	-42%	98%	-40%	-49%	-100%	9079%
22	SAURASHTRA & KUTCH	-41%	-100%	-16%	-26%	-99%	31%	55%	341%	27%	123%	-100%	80%
1	AMRELI	-100%	-100%	-59%	1036%	-88%	49%	33%	294%	36%	84%	-100%	329%
2	BHAVNAGAR	-100%	-100%	-48%	11%	-96%	11%	-18%	104%	19%	48%	-100%	1049%
3	BOTAD	-100%	-100%	-100%	-100%	-100%	99%	-7%	274%	-4%	-76%	-100%	200%
4	DEVBHOOMI DWARKA	-80%	-100%	-87%	-100%	-100%	67%	343%	569%	128%	133%	-100%	-100%
5	DIU	-100%	-100%	-100%	-100%	-100%	18%	103%	405%	118%	-89%	-100%	12133%
6	GIR SOMNATH	-92%	-100%	200%	-100%	-100%	-24%	29%	307%	-6%	3%	-100%	5308%
7	JAMNAGAR	-100%	-100%	-100%	-100%	-100%	-4%	162%	284%	47%	53%	-100%	-44%
8	JUNAGADH	85%	-100%	11%	233%	-100%	2%	28%	318%	34%	128%	-100%	-100%
9	KUTCH	-19%	-100%	15%	-81%	-100%	72%	57%	454%	35%	256%	-100%	-33%
10	MORBI	-100%	-100%	-100%	-100%	-100%	31%	1%	345%	10%	85%	-100%	-100%
11	PORBANDAR	-73%	-100%	-21%	-100%	-100%	40%	139%	310%	42%	49%	-100%	-11%
12	RAJKOT	-100%	-100%	-100%	-100%	-100%	30%	35%	284%	34%	172%	-100%	-36%
13	SURENDRANAGAR	-100%	-100%	400%	-100%	-100%	4%	-18%	230%	-17%	-65%	-100%	4%
	DADARA & NAGAR HAVELI	-100%	-100%	-100%	-100%	-100%	-35%	-44%	133%	-38%	-15%	-100%	-100%

DISTRICT-WISE RAINFALL STATISTICS

		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
	DAMAN & DIU	-100%	-100%	-100%	-100%	-100%	-54%	-19%	93%	-29%	-34%	-100%	13007%
1	DAMAN	-100%	-100%	-100%	-100%	-100%	-72%	-41%	57%	-44%	-17%	-100%	-100%
2	DIU	-100%	-100%	-100%	-100%	-100%	18%	103%	405%	118%	-89%	-100%	12133%
23	**KONKAN & GOA**	-100%	-100%	-99%	263%	-85%	1%	2%	86%	29%	119%	-99%	129%
	GOA	-100%	-100%	-100%	63%	-93%	13%	15%	67%	143%	34%	-99%	98%
1	NORTH GOA	-100%	-100%	-100%	56%	-91%	16%	12%	74%	124%	61%	-98%	85%
2	SOUTH GOA	-100%	-100%	-100%	69%	-95%	11%	18%	60%	162%	10%	-100%	109%
	MAHARASHTRA	44%	-42%	160%	28%	-38%	22%	-5%	39%	13%	68%	-89%	-48%
1	MUMBAI CITY	-100%	-100%	-67%	-100%	-100%	-3%	73%	143%	5%	228%	-100%	647%
2	MUMBAI SUBURBAN	-100%	-100%	-100%	-100%	-100%	-22%	82%	127%	68%	99%	-100%	87%
3	PALGHAR	-100%	-100%	-100%	-100%	-100%	-39%	-27%	119%	-36%	12%	-100%	1188%
4	RAIGAD	-100%	-100%	-100%	-39%	-98%	-18%	-15%	91%	-3%	124%	-100%	212%
5	RATNAGIRI	-100%	-100%	-100%	1275%	-72%	8%	6%	71%	3%	146%	-100%	-27%
6	SINDHUDURG	-100%	-100%	-100%	63%	-78%	26%	39%	74%	125%	196%	-100%	94%
7	THANE	-100%	-100%	-100%	-100%	-100%	-16%	-17%	97%	10%	73%	-100%	34%
24	**MADHYA MAHARASHTRA**	-99%	-100%	203%	8%	-29%	52%	-12%	67%	22%	112%	-90%	14%
1	AHMEDNAGAR	-100%	-100%	351%	-70%	-55%	144%	129%	10%	78%	118%	-66%	
2	DHULE	-100%	-100%	-100%	-71%	-100%	50%	52%	54%	28%	7%		622%
3	JALGAON	-100%	-100%	136%	-100%	-92%	53%	13%	20%	18%	-55%	-100%	-43%
4	KOLHAPUR	-100%	-100%	66%	85%	-43%	31%	-36%	97%	33%	108%	-99%	-100%
5	NANDURBAR						16%	-58%	87%	11%	-77%		1607%
6	NASHIK	-100%	-100%	373%	-100%	-34%	40%	-27%	54%	15%	46%	-88%	-7%
7	PUNE	-100%	-100%	266%	-98%	39%	48%	-29%	143%	20%	201%	-89%	-37%
8	SANGLI	-94%	-100%	180%	86%	-27%	37%	-18%	67%	27%	157%	-95%	-100%
9	SATARA	-100%	-100%	101%	-46%	-39%	-4%	-47%	73%	3%	108%	-100%	-91%
10	SHOLAPUR	-100%	-100%	324%	27%	-41%	111%	68%	-27%	-17%	154%	-100%	-100%
25	**MARATHWADA**	-46%	-73%	103%	87%	-35%	57%	30%	-10%	51%	48%	-100%	-97%
1	AURANGABAD	-100%	-100%	686%	9%	-44%	110%	79%	41%	34%	29%	-100%	-88%
2	BEED	-100%	-100%	458%	-59%	-37%	91%	86%	-28%	42%	60%	-100%	-100%
3	HINGOLI	-100%	-100%	76%	-77%	-70%	29%	0%	-17%	35%	22%		
4	JALNA	-100%	-100%	89%	5%	-45%	72%	39%	14%	35%	24%	-100%	-100%
5	LATUR	13%	-100%	-50%	-59%	-57%	79%	9%	-35%	82%	29%		
6	NANDED	-26%	-100%	-44%	111%	-46%	4%	-4%	-7%	53%	-2%	-100%	-100%
7	OSMANABAD	-100%	-100%	-71%	535%	35%	34%	34%	-14%	43%	180%	-100%	-100%
8	PARBHANI	38%	133%	-14%	35%	-93%	40%	16%	-43%	88%	34%	-100%	-100%
26	**VIDARBHA**	96%	-27%	168%	-1%	-28%	-1%	-17%	1%	-24%	-17%	-72%	-97%
1	AKOLA	-94%	-100%	-70%	-100%	-93%	-31%	-13%	-37%	-33%	-32%	-95%	-96%
2	AMRAOTI	85%	-100%	150%	-97%	-81%	14%	-22%	-34%	-20%	-25%	-84%	-92%
3	BHANDARA	227%	92%	180%	-39%	-61%	14%	-38%	55%	-72%	-34%	-45%	-99%
4	BULDHANA	-53%	-100%	262%	7%	27%	32%	8%	-15%	5%	-60%	-89%	-94%
5	CHANDRAPUR	63%	-47%	223%	145%	58%	-6%	2%	-29%	-48%	-23%	-43%	-99%
6	GADCHIROLI	120%	-25%	31%	-99%	-80%	-10%	-32%	22%	-16%	6%	-46%	-100%
7	GONDIA	150%	207%	222%	-52%	-14%	-17%	-58%	71%	-60%	3%	-19%	-99%
8	NAGPUR	173%	-22%	180%	120%	19%	13%	-13%	45%	-26%	-26%	-66%	-95%

DISTRICT-WISE RAINFALL STATISTICS

		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
9	WARDHA	96%	-98%	249%	-5%	16%	-12%	4%	-14%	-12%	-20%	-80%	-98%
10	WASHIM	6%	-100%	82%	-100%	-66%	50%	9%	-13%	36%	34%	-96%	-99%
11	YEOTMAL	82%	-100%	256%	19%	-58%	-31%	-11%	-38%	-11%	-16%	-93%	-98%
27	**CHHATTISGARH**	167%	286%	378%	134%	121%	44%	-28%	43%	-20%	47%	-57%	-89%
1	BALOD	362%	865%	578%	109%	669%	59%	-43%	42%	-54%	0%	-80%	-100%
2	BALODA BAZAR	360%	968%	424%	431%	592%	39%	-7%	51%	-40%	-10%	-33%	-97%
3	BALRAMPUR	147%	51%	1089%	241%	649%	33%	-18%	6%	-46%	99%	-7%	-100%
4	BASTAR	-2%	73%	48%	25%	-61%	-5%	-15%	46%	48%	43%	-78%	-100%
5	BEMETARA	394%	798%	461%	252%	220%	34%	-31%	54%	-30%	-39%	-87%	-100%
6	BIJAPUR	-1%	656%	609%	199%	422%	36%	-16%	193%	22%	120%	-60%	-100%
7	BILASPUR	198%	219%	243%	105%	33%	43%	-12%	35%	-38%	11%	-3%	-87%
8	DANTEWADA	-82%	55%	2125%	572%	1089%	52%	-23%	50%	6%	68%	-77%	-100%
9	DHAMTARI	77%	475%	309%	-32%	280%	58%	-27%	39%	-21%	33%	-91%	-100%
10	DURG	498%	2100%	823%	10%	702%	48%	-14%	15%	-43%	-37%	120%	-100%
11	GARIABAND	46%	524%	519%	23%	257%	58%	-24%	18%	-3%	48%	-100%	-100%
12	JANJGIR	239%	337%	366%	275%	179%	10%	-39%	66%	-5%	97%	-16%	-89%
13	JASHPUR	117%	-12%	386%	151%	38%	19%	-30%	12%	-24%	92%	-76%	-90%
14	KABIRDHAM	391%	226%	135%	58%	13%	-2%	-38%	84%	0%	-2%	-90%	-88%
15	KANKER	-78%	266%	294%	-96%	193%	35%	-56%	-5%	-38%	-18%	-100%	-100%
16	KONDAGAON	245%	148%	0%	224%	219%	83%	30%	18%	-15%	19%	-100%	-100%
17	KORBA	331%	247%	496%	554%	224%	95%	-35%	15%	-37%	79%	-5%	70%
18	KORIYA	100%	66%	618%	322%	392%	48%	-36%	22%	-41%	126%	-42%	-99%
19	MAHASAMUND	211%	1552%	486%	-100%	97%	104%	-20%	44%	-39%	56%	-100%	-100%
20	MUNGELI	165%	276%	270%	46%	130%	29%	-47%	34%	-24%	-4%	-80%	-89%
21	NARAYANPUR	360%	355%	-70%	-22%	-51%	41%	-5%	30%	12%	73%	-100%	-100%
22	RAIGARH	51%	149%	481%	143%	23%	39%	-45%	39%	-21%	-6%	-70%	-99%
23	RAIPUR	100%	692%	299%	34%	195%	38%	-30%	41%	-61%	-42%	-99%	-99%
24	RAJNANDGAON	118%	371%	298%	53%	280%	61%	-62%	50%	-49%	-21%	-79%	-98%
25	SUKMA	88%	-100%	-46%	293%	-16%	36%	-25%	102%	35%	95%	-88%	-100%
26	SURAJPUR	472%	219%	1711%	620%	549%	135%	-14%	14%	-30%	55%	151%	-96%
27	SURGUJA	98%	77%	409%	364%	102%	-22%	-53%	-1%	-57%	53%	0%	-88%
	ANDHRA PRADESH	74%	-22%	22%	88%	-63%	32%	74%	6%	58%	10%	74%	28%
28	**COASTAL A. P. & YANAM**	91%	-2%	48%	97%	-71%	14%	40%	3%	34%	11%	54%	-12%
1	EAST GODAVARI	-22%	-60%	-77%	72%	-77%	-17%	54%	54%	25%	52%	17%	-99%
2	GUNTUR	163%	32%	-4%	-60%	-79%	57%	91%	7%	60%	28%	40%	-99%
3	KRISHNA	89%	148%	-35%	91%	-93%	10%	52%	-3%	32%	88%	100%	-96%
4	NELLORE	154%	-97%	-21%	303%	-87%	90%	76%	32%	52%	-62%	77%	68%
5	PRAKASAM	178%	-74%	53%	36%	-77%	21%	31%	-9%	104%	-37%	63%	-92%
6	SRIKAKULAM	-33%	74%	191%	115%	-46%	-8%	-28%	-33%	-26%	25%	-30%	-95%
7	VISHAKHAPATNAM	-6%	56%	173%	106%	-49%	-4%	2%	-19%	-9%	39%	10%	-100%
8	VIZIANAGARAM	-35%	95%	149%	145%	-48%	19%	5%	-39%	-2%	50%	-18%	-100%
9	WEST GODAVARI	81%	-68%	-95%	57%	-91%	7%	63%	23%	50%	48%	54%	-100%
10	YANAM	-100%	83%	-100%	614%	-62%	55%	33%	-20%	29%	89%	161%	-100%
29	**RAYALASEEMA**	19%	-99%	-30%	75%	-52%	69%	158%	13%	97%	9%	122%	99%

DISTRICT-WISE RAINFALL STATISTICS

		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	ANANTAPUR	-93%	-100%	-56%	66%	-52%	109%	198%	-30%	92%	4%	33%	104%
2	CHITTOOR	112%	-100%	-26%	128%	-69%	52%	206%	18%	28%	-3%	110%	85%
3	CUDDAPAH	64%	-100%	1%	100%	-63%	53%	97%	63%	190%	7%	234%	185%
4	KURNOOL	-99%	-99%	-24%	3%	-20%	63%	141%	3%	92%	31%	41%	-49%
30	**TELANGANA**	-20%	15%	30%	19%	-19%	30%	17%	79%	53%	82%	-55%	-99%
1	ADILABAD	218%	-38%	202%	65%	-23%	-13%	24%	-9%	-4%	-14%	-88%	-99%
2	B. KOTHAGUDEM	-68%	-100%	2%	69%	-61%	24%	35%	178%	64%	95%	-4%	-100%
3	HYDERABAD	203%	-76%	-12%	-6%	-14%	93%	-13%	29%	23%	296%	-67%	-100%
4	J. BHUPALPALLY	-91%	191%	-72%	-55%	-8%	25%	-1%	159%	-18%	27%	-80%	-100%
5	JAGTIAL	-13%	100%	-56%	-47%	87%	-24%	2%	22%	40%	33%	-99%	-100%
6	JANGAON	-100%	40%	-9%	-35%	-42%	43%	46%	118%	49%	132%	-59%	-100%
7	JOGULAMBA GADWAL	-50%	-100%	-98%	-48%	-32%	75%	130%	26%	95%	93%	9%	-100%
8	KAMAREDDY	71%	164%	162%	78%	31%	16%	10%	17%	78%	32%	-99%	-100%
9	KARIMNAGAR	-76%	104%	115%	-38%	-35%	53%	17%	166%	68%	72%	-93%	-100%
10	KHAMMAM	-42%	-3%	-14%	-76%	-73%	30%	25%	39%	51%	79%	-17%	-100%
11	KUMARAM BHEEM	60%	22%	200%	142%	58%	0%	3%	46%	15%	48%	-93%	-100%
12	M. MALKAJGIRI	-87%	-89%	-70%	-8%	-28%	42%	-29%	45%	80%	187%	-77%	-100%
13	MAHABUBABAD	-100%	-64%	-87%	-61%	-17%	69%	36%	230%	70%	134%	-48%	-100%
14	MAHABUBNAGAR	210%	-100%	-58%	18%	-29%	30%	107%	73%	93%	52%	-66%	-100%
15	MANCHERIAL	-20%	106%	77%	29%	150%	12%	-13%	46%	31%	-30%	-100%	-100%
16	MEDAK	-95%	168%	200%	148%	9%	20%	17%	-3%	73%	120%	-95%	-100%
17	MULUGU	-59%	254%	29%	12%	-46%	57%	-4%	202%	46%	64%	1%	-100%
18	NAGARKURNOOL	2%	-75%	-90%	15%	-42%	49%	48%	75%	116%	84%	-13%	-100%
19	NALGONDA	50%	129%	64%	39%	-48%	36%	8%	21%	26%	88%	-32%	-100%
20	NARAYANPET	225%	-100%	-42%	125%	51%	115%	225%	65%	192%	92%	-63%	-100%
21	NIRMAL	-20%	-78%	-4%	41%	19%	-15%	-25%	0%	9%	6%	-100%	-100%
22	NIZAMABAD	99%	-72%	55%	-14%	-44%	14%	-33%	22%	30%	-27%	-99%	-100%
23	PEDDAPALLE	-35%	95%	43%	-58%	-32%	58%	-19%	71%	27%	14%	-96%	-100%
24	RAJANNA SIRCILLA	-43%	30%	135%	-42%	-20%	65%	46%	133%	132%	50%	-98%	-100%
25	RANGAREDDY	11%	8%	2%	59%	-19%	59%	-3%	60%	33%	168%	-32%	-100%
26	SANGAREDDY	-89%	-79%	-57%	41%	37%	16%	-4%	-4%	51%	236%	-94%	-100%
27	SIDDIPET	-95%	38%	114%	53%	2%	95%	64%	103%	104%	166%	-93%	-100%
28	SURYAPET	-36%	151%	58%	-69%	-58%	16%	9%	33%	48%	38%	-40%	-100%
29	VIKARABAD	-83%	-100%	-89%	7%	0%	30%	53%	15%	28%	123%	-78%	-100%
30	WANAPARTHY	-100%	-9%	-14%	46%	-55%	42%	58%	31%	120%	106%	-28%	-100%
31	WARANGAL_RURAL	-98%	-5%	-42%	14%	79%	34%	-5%	246%	47%	115%	-43%	-100%
32	WARANGAL_URBAN	-100%	14%	131%	153%	-54%	60%	22%	366%	75%	158%	-77%	-100%
33	Y. BHUVANAGIRI	-100%	-57%	104%	11%	25%	60%	-3%	94%	52%	144%	-65%	-100%
31	**TAMIL. PUDU.& KARAIKAL**	-42%	-92%	-82%	-14%	-41%	15%	78%	2%	19%	-43%	13%	87%
	TAMILNADU	-42%	-92%	-82%	-14%	-41%	15%	78%	2%	19%	-43%	13%	86%
1	ARIYALUR	20%	-100%	-100%	-31%	-75%	39%	211%	-27%	-24%	-59%	-35%	93%
2	CHENGALPATTU	215%	-95%	-100%	8%	-95%	-33%	119%	-56%	-51%	-51%	48%	69%
3	CHENNAI	85%	-99%	-100%	332%	-97%	-63%	65%	-37%	22%	-12%	65%	41%
4	COIMBATORE	-89%	-100%	7%	41%	-26%	0%	17%	124%	153%	-42%	11%	31%

DISTRICT-WISE RAINFALL STATISTICS

		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
5	CUDDALORE	-1%	-86%	-100%	-94%	-82%	-54%	47%	-54%	23%	-41%	-1%	182%
6	DHARMAPURI	-93%	-100%	-91%	78%	-50%	-34%	158%	10%	2%	-21%	-21%	53%
7	DINDIGUL	-88%	-100%	-81%	-55%	-33%	110%	116%	48%	14%	-70%	13%	46%
8	ERODE	-100%	-100%	-62%	-76%	-23%	20%	184%	-78%	28%	-42%	-21%	-13%
9	KALLAKURICHI	-58%	-100%	-100%	-21%	-93%	-15%	-3%	-69%	-34%	-34%	3%	186%
10	KANCHEEPURAM	260%	-91%	-100%	-35%	-100%	-30%	83%	-66%	-29%	-26%	50%	75%
11	KANYAKUMARI	-91%	-79%	-43%	-41%	46%	-2%	-54%	-17%	81%	-46%	-28%	-45%
12	KARUR	-98%	-100%	-90%	-14%	-88%	335%	127%	94%	41%	-55%	-2%	46%
13	KRISHNAGIRI	-93%	-100%	-49%	67%	-39%	20%	123%	-29%	-15%	-16%	-10%	21%
14	MADURAI	-75%	-99%	-99%	-74%	-32%	34%	33%	9%	27%	-20%	44%	17%
15	NAGAPATTINAM	-58%	-99%	-100%	-94%	-93%	-50%	217%	-61%	42%	-75%	-34%	157%
16	NAMAKKAL	-100%	-100%	-100%	-65%	-61%	-35%	81%	-25%	7%	-52%	-9%	32%
17	NILGIRIS	-3%	-91%	-55%	-49%	-36%	-18%	-11%	181%	96%	-60%	4%	25%
18	PERAMBALUR	-67%	-100%	-100%	462%	-86%	146%	76%	90%	35%	-52%	-20%	172%
19	PUDUKKOTTAI	-94%	-100%	-99%	-17%	-28%	77%	127%	-17%	16%	-27%	-19%	95%
20	RAMANATHAPURAM	-77%	-56%	-97%	-30%	22%	207%	24%	-17%	46%	-48%	-7%	116%
21	RANIPET	83%	-100%	-100%	33%	-75%	39%	84%	-28%	13%	-49%	66%	34%
22	SALEM	-85%	-100%	-100%	40%	-51%	-37%	142%	10%	15%	-35%	-23%	46%
23	SIVAGANGA	-65%	-100%	-100%	26%	30%	75%	37%	-10%	62%	-16%	58%	87%
24	THANJAVUR	-29%	-99%	-99%	-73%	-11%	-3%	106%	-35%	-20%	-54%	-40%	114%
25	THENI	-99%	-100%	-84%	-5%	0%	23%	47%	231%	92%	-45%	40%	23%
26	THENKASI	-44%	-99%	-27%	4%	68%	-71%	-27%	162%	-8%	-48%	8%	61%
27	TIRUNELVELI	-63%	-78%	-99%	-51%	10%	-44%	20%	418%	37%	-53%	24%	11%
28	TIRUPATTUR	47%	-100%	-100%	93%	-46%	100%	165%	-3%	29%	-11%	127%	50%
29	TIRUPPUR	-97%	-100%	-66%	26%	-43%	17%	426%	-23%	101%	-85%	106%	14%
30	TIRUVALLUR	82%	-92%	-100%	88%	-99%	-27%	36%	-40%	18%	-24%	18%	59%
31	TIRUVANNAMALAI	-28%	-100%	-100%	-79%	-100%	20%	35%	-62%	-4%	-27%	61%	110%
32	TIRUVARUR	-27%	-100%	-100%	-100%	-11%	-1%	219%	-46%	14%	-66%	-32%	147%
33	TOOTHUKUDI	-83%	-62%	-100%	-84%	-60%	-25%	43%	-39%	-20%	-67%	45%	72%
34	TRICHY	-39%	-100%	-93%	47%	-61%	110%	142%	63%	24%	-65%	-42%	60%
35	VELLORE	71%	-100%	-98%	102%	-76%	24%	130%	-34%	-22%	-50%	52%	32%
36	VILLUPURAM	-42%	-100%	-100%	-100%	-98%	89%	42%	-58%	-15%	-25%	23%	182%
37	VIRUDHUNAGAR	-55%	-100%	-100%	-42%	39%	13%	125%	0%	-7%	-25%	78%	50%
	PUDUCHERRY (UT)	-65%	-75%	-100%	27%	-46%	1%	45%	-30%	8%	-34%	5%	152%
1	KARAIKAL	-86%	-99%	-100%	-100%	21%	-30%	242%	7%	18%	-78%	-27%	179%
2	MAHE	-100%	567%	-100%	-40%	-26%	36%	-13%	44%	210%	-28%	-55%	227%
3	PUDUCHERRY	-33%	-56%	-100%	78%	-75%	-13%	-10%	-55%	-11%	-21%	22%	138%
4	YANAM	-100%	83%	-100%	614%	-62%	55%	33%	-20%	29%	89%	161%	-100%
	KARNATAKA	-91%	-87%	6%	44%	23%	3%	6%	38%	74%	34%	-47%	-8%
32	**COASTAL KARNATAKA**	-100%	-29%	-3%	61%	0%	-9%	-13%	42%	153%	62%	-65%	-10%
1	DAKSHINA KANNADA	-100%	-4%	19%	33%	-1%	-27%	-19%	10%	147%	44%	-42%	80%
2	UDUPI	-100%	-100%	17%	148%	-41%	-1%	-3%	48%	198%	103%	-69%	-22%
3	UTTARA KANNADA	-100%	-100%	-48%	65%	25%	-2%	-14%	58%	134%	58%	-90%	-77%
33	**N. I. KARNATAKA**	-87%	-84%	62%	44%	33%	29%	65%	40%	57%	66%	-88%	-98%

DISTRICT-WISE RAINFALL STATISTICS

		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	BAGALKOTE	-100%	-100%	20%	16%	-1%	58%	166%	20%	72%	92%	-82%	-100%
2	BELAGAVI	-100%	-100%	205%	52%	-3%	16%	-1%	164%	70%	79%	-97%	-96%
3	BIDAR	-95%	-10%	17%	107%	62%	39%	22%	-14%	110%	128%	-100%	-100%
4	DHARWAD	-100%	-100%	56%	-5%	20%	-7%	2%	136%	59%	25%	-99%	-100%
5	GADAG	-100%	-100%	27%	87%	59%	-10%	147%	27%	42%	54%	-95%	-100%
6	HAVERI	-100%	-100%	-100%	-16%	53%	-8%	-13%	26%	32%	8%	-98%	-100%
7	KALABURGI	-88%	-100%	201%	31%	1%	51%	116%	14%	75%	118%	-95%	-100%
8	KOPPAL	-100%	-100%	-60%	151%	111%	48%	204%	-11%	40%	96%	-86%	-90%
9	RAICHUR	-100%	-100%	-85%	-13%	94%	41%	82%	8%	45%	35%	-36%	-100%
10	VIJAYAPURA	-36%	-100%	129%	113%	42%	35%	105%	3%	34%	24%	-83%	-98%
11	YADGIR	-98%	-100%	-68%	-86%	-43%	48%	112%	-12%	26%	24%	-64%	-100%
34	**S. I. KARNATAKA**	-95%	-92%	-24%	41%	25%	1%	-3%	32%	56%	6%	-25%	31%
1	BALLARI	-100%	-100%	-95%	39%	24%	3%	146%	-15%	60%	44%	-69%	-70%
2	BENGALURU RURAL	-100%	-100%	99%	127%	-28%	76%	118%	14%	35%	-25%	-23%	20%
3	BENGALURU URBAN	-96%	-100%	-12%	163%	-6%	83%	64%	-51%	28%	24%	24%	-9%
4	CHAMARAJANAGAR	-100%	-100%	-20%	0%	9%	40%	112%	1%	19%	-47%	43%	68%
5	CHIKABALLAPURA	-100%	-100%	-43%	272%	-17%	87%	163%	-2%	0%	7%	49%	19%
6	CHIKKAMAGALURU	-98%	-100%	-53%	-6%	45%	-26%	-43%	52%	110%	5%	-45%	73%
7	CHITRADURGA	-77%	-100%	-100%	22%	56%	71%	186%	-19%	94%	34%	-57%	69%
8	DAVANGERE	-17%	-100%	-70%	94%	48%	8%	30%	4%	64%	61%	-92%	-44%
9	HASSAN	-88%	-100%	-4%	-7%	70%	-23%	-21%	29%	33%	1%	-47%	89%
10	KODAGU	-100%	-100%	-30%	34%	38%	-28%	-50%	66%	126%	-14%	-69%	-50%
11	KOLAR	-100%	-100%	8%	151%	25%	21%	320%	28%	12%	21%	118%	53%
12	MANDYA	-100%	-100%	80%	61%	65%	29%	138%	-41%	15%	19%	-10%	50%
13	MYSURU	-100%	5%	42%	-24%	12%	-11%	24%	74%	33%	-33%	-33%	25%
14	RAMANAGARA	-100%	-100%	37%	116%	2%	126%	52%	-58%	2%	20%	-16%	32%
15	SHIVAMOGGA	-100%	-91%	-83%	8%	32%	-23%	-41%	55%	86%	29%	-89%	31%
16	TUMAKURU	-100%	-100%	-69%	81%	-21%	149%	65%	-6%	49%	-25%	-12%	50%
35	**KERALA & MAHE**	-30%	-74%	35%	5%	4%	-17%	-28%	35%	132%	-27%	-35%	24%
	KERALA	-29%	-74%	35%	5%	4%	-17%	-28%	35%	132%	-27%	-35%	24%
1	ALAPUZHA	-71%	-68%	6%	-35%	39%	-11%	-36%	12%	125%	-29%	-41%	17%
2	CANNUR	-100%	8%	-68%	9%	-29%	14%	-13%	45%	200%	5%	-62%	89%
3	ERNAKULAM	19%	51%	65%	43%	-12%	-25%	-18%	58%	92%	-25%	-7%	5%
4	IDUKKI	-72%	-91%	45%	-8%	6%	-47%	-42%	45%	91%	-19%	-1%	24%
5	KASARGOD	-100%	133%	-89%	-94%	-43%	-13%	2%	11%	246%	29%	-46%	108%
6	KOLLAM	-60%	-61%	27%	-43%	48%	-15%	-32%	28%	87%	-32%	-40%	14%
7	KOTTAYAM	-60%	-75%	87%	56%	42%	0%	-3%	45%	110%	-21%	-25%	70%
8	KOZHIKODE	-100%	-100%	-91%	19%	-3%	36%	-21%	32%	213%	-17%	-34%	79%
9	MALAPPURAM	-100%	-95%	-47%	26%	-41%	-25%	-39%	24%	146%	-58%	-67%	4%
10	PALAKKAD	-100%	-100%	-13%	4%	-51%	-32%	-26%	61%	147%	-35%	-70%	-16%
11	PATHANAMTHITTA	-38%	-100%	166%	7%	95%	-4%	-17%	-9%	138%	-34%	-2%	105%
12	THIRUVANANTHAPURAM	151%	-80%	-23%	3%	118%	17%	-35%	51%	137%	-28%	-48%	-41%
13	THRISSUR	-100%	-100%	80%	-1%	-44%	-34%	-43%	7%	91%	-35%	-55%	-64%
14	WYNAD	-65%	-100%	-14%	72%	-27%	-56%	-60%	53%	108%	-43%	-8%	23%

		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	MAHE	-100%	567%	-100%	-40%	-26%	36%	-13%	44%	210%	-28%	-55%	227%
36	**LAKSHADWEEP**	-48%	-99%	29%	-75%	36%	-20%	62%	21%	102%	-51%	-43%	181%

The statistics and chart for categorywise distribution of districts for different months have been given at Table 28 and Figure 108 respectively. The districtwise rainfall distribution both spatially and temporally differ from subdivisionwise or statewise rainfall distribution.

Table 28: Category-wise Number of Districts - Monthly - Year 2020

CATEGORY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
L. EXCESS	275	121	404	256	219	154	90	129	108	105	117	83
EXCESS	56	36	32	84	111	149	87	128	128	78	54	41
NORMAL	63	48	45	101	112	200	201	208	137	87	70	52
DEFICIENT	85	84	49	103	127	150	261	195	165	140	96	59
L. DEFICIENT	91	183	95	69	69	35	50	30	142	106	184	134
NO RAIN	114	212	52	65	44	0	1	0	10	174	165	318
NO DATA	6	6	13	12	8	2	0	0	0	0	4	3
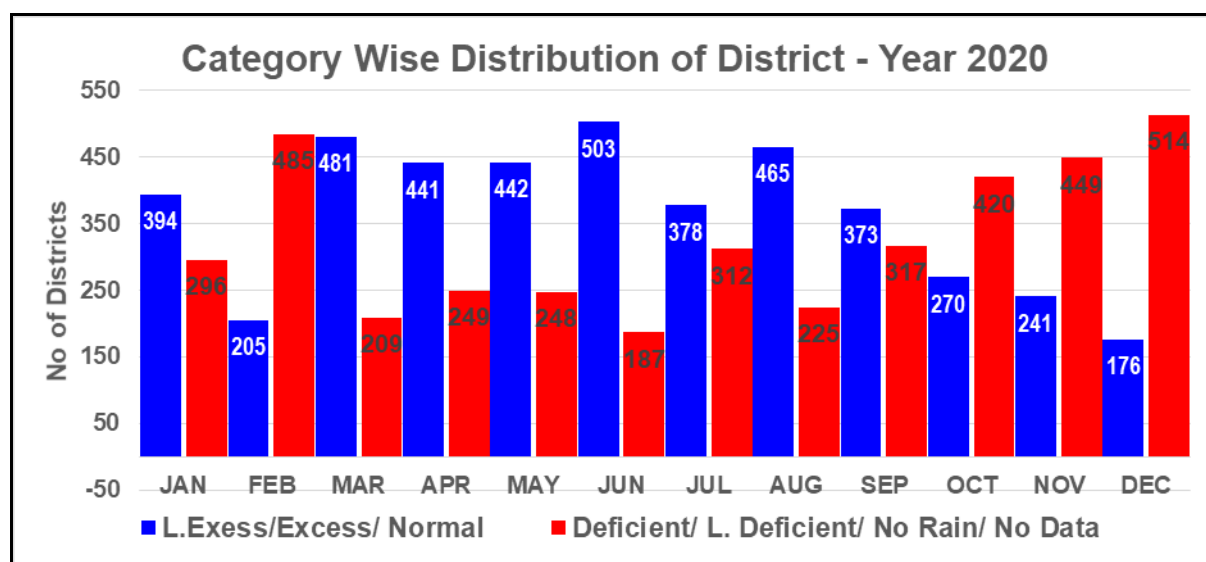
Figure 108: Monthly Distribution of no. of Districts in different categories – 2020

7. *ANNUAL AND MONSOON RAINFALL FROM 2000 TO 2020*

The annual and monsoon rainfall and their respective departures from normal rainfall from the years 2000 to 2020 are shown in Table 29 and Figure 109 - Figure 112. Of the last 21 years, 2020 has proved to be the best year in terms of actual observed annual rainfall . Year 2019 & 2020 reported maximum +ve % departures from Normal annually (110% of LPA) along with the area weighted rainfall of 1288.8 & 1289.6 mms respectively. Till 2020, out of 19 Normal Monsoon years, five years viz 2005 ,2010, 2013, 2019 and 2020 years were with +ve % departures for annual rainfall and seven years viz 2003, 2007, 2010, 2011, 2013, 2019 and 2020. +ve % departures for Monsoon rainfall.

Table 29: SW Monsoon and Annual Rainfall (2000-2020)

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%
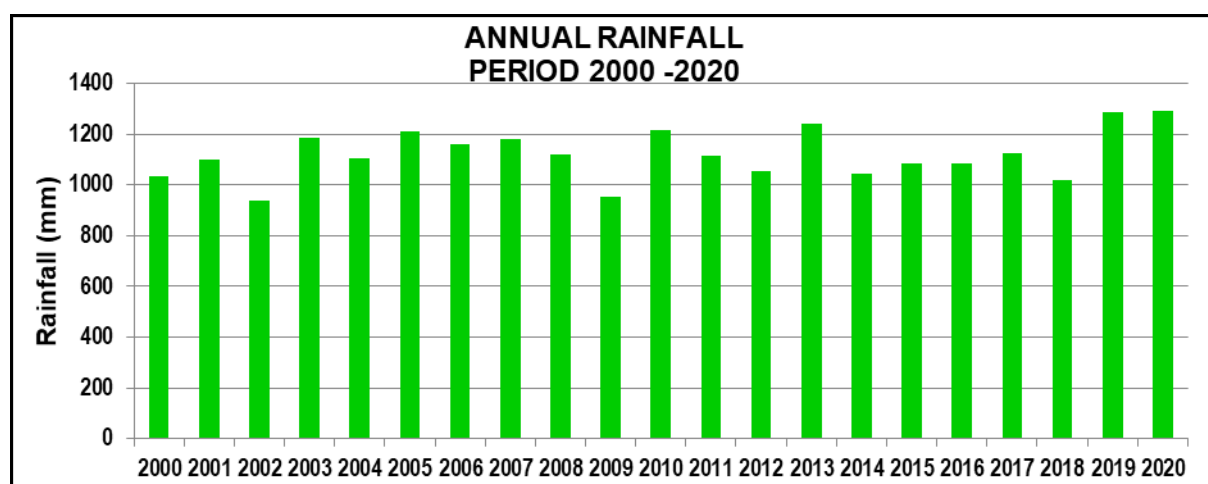
Figure 109: Annual Rainfall 2000-2020
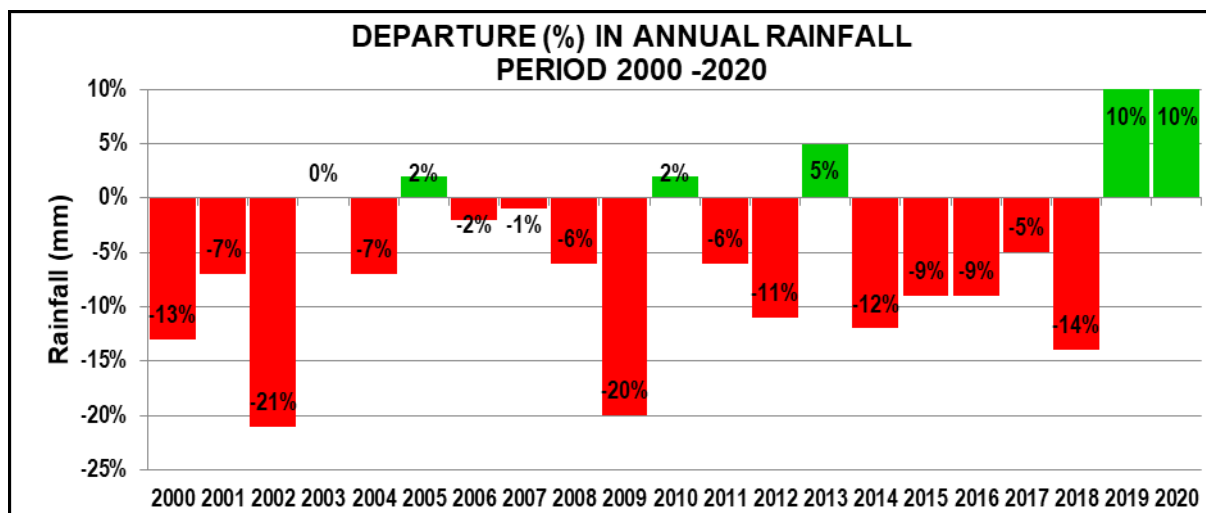
Figure 110: % Departures of Annual Rainfall 2000 – 2020

During last 21 years, the country received Monsoon rainfall of 21% or less of its normal rainfall. Southwest Monsoon Rainfall has also recorded highest rainfall of 971.0 mm (+10% of LPA) since 2000.
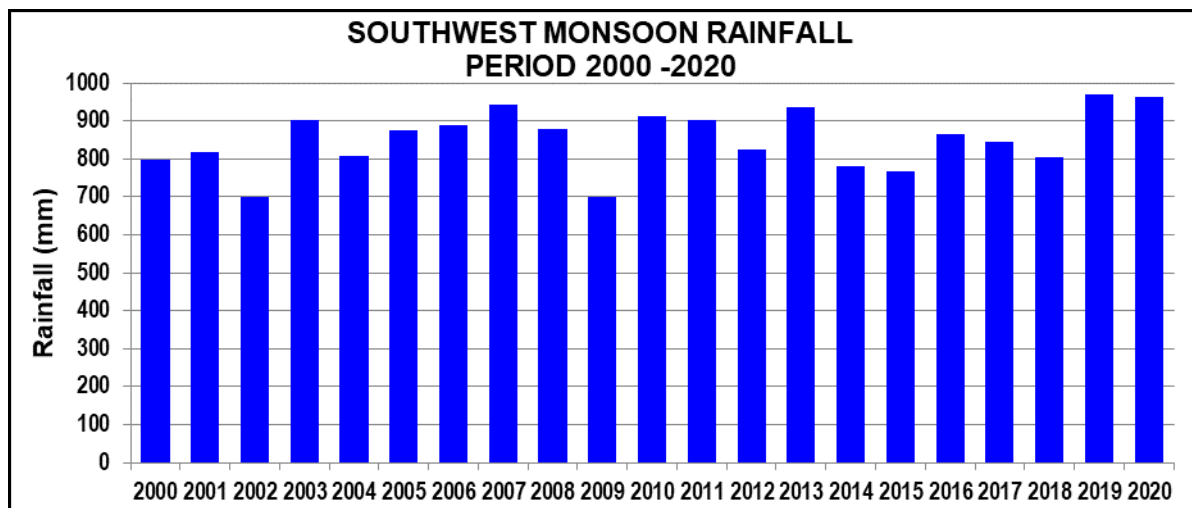
Figure 111: SW Monsoon Rainfall 2000-2020
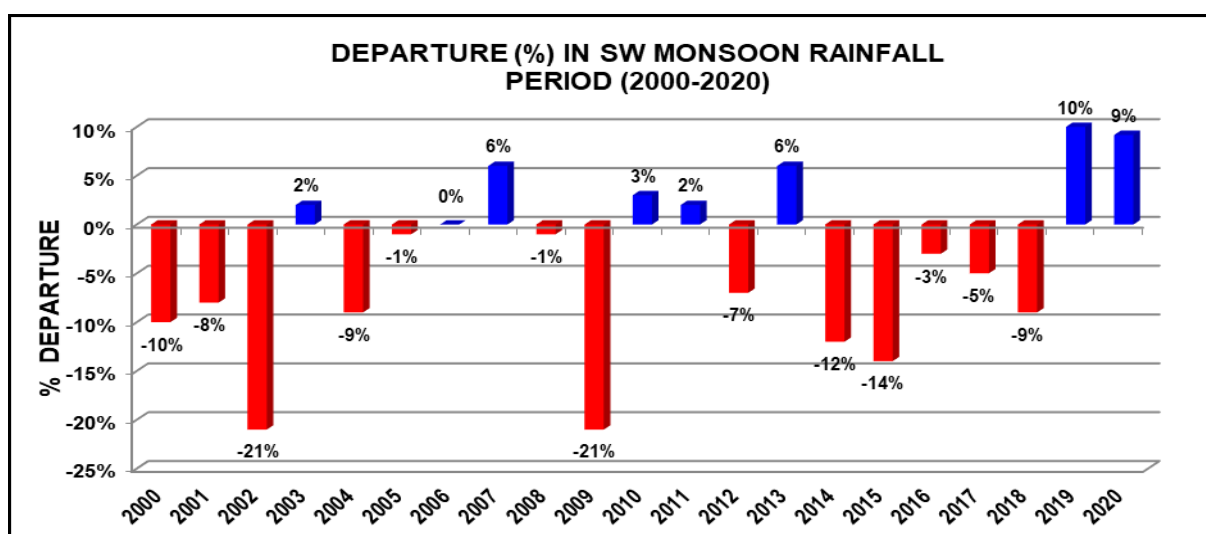
Figure 112: % Departures of SW Monsoon Rainfall 2000 – 2020

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

India has experienced less "extreme rainfall events" in 2020 as compared to 2019. 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 30 shows the extreme rainfall events during the Year 2020 along with the places where such events have occurred with rainfall amount in CM.

Table 30: Extreme Rainfall Events 2020

Sno	Months	Date	Sub-division with Station recorded =>21cm rainfall
1.	January		
2.	Feb		
3.	March		
4.	April		
5.	May (22/8)	20	**ODISHA:** PARADEEP CWR-21,
		21	**ASSAM & MEGHALAYA:** WILLIAMNAGAR-23; **GANGETIC WEST BENGAL:** ALIPORE-24;
		22	**ASSAM & MEGHALAYA:** CHERRAPUNJI(RKM)-25, MAWSYNRAM-22, CHERRAPUNJI-21,
		23	**ASSAM & MEGHALAYA:** CHERRAPUNJI-33, CHERRAPUNJI(RKM)-28, MAWSYNRAM-23;
		24	**ASSAM & MEGHALAYA:** TIKRIKILLA-38, MAWSYNRAM-36, CHERRAPUNJI(RKM)-34, CHERRAPUNJI-32,
		25	**ASSAM & MEGHALAYA:** MAWSYNRAM-25, CHERRAPUNJI-24, CHERRAPUNJI(RKM)-23,
		26	**ASSAM & MEGHALAYA:** MAWSYNRAM-30, KHLIEHRIAT-28, CHERRAPUNJI(RKM)-25, PANBARI-24,
		27	**ASSAM & MEGHALAYA:** KHLIEHRIAT-52, CHERRAPUNJI-24,
6.	June	06	**SHWB & SIKKIM:** ALIPURDUAR (PTO)-24, ALIPURDUAR (CWC)-24,

EXTREME RAINFALL EVENTS

Sno	Months	Date	Sub-division with Station recorded =>21cm rainfall
	(39/11)	13	**KONKAN & GOA:-** VAIBHAVWADI-23, SAWANTWADI-21,
		16	**ASSAM & MEGHALAYA:** MAWSYNRAM-25,
		17	**CHHATTISGARH:** KORBA-25,
		18	**ASSAM & MEGHALAYA:** MAWSYNRAM-37, CHERRAPUNJI(RKM)-27, CHERRAPUNJI-24, WILLIAMNAGAR-23,
		23	**CHHATTISGARH:-** BAGBAHARA-21,
		24	**ASSAM & MEGHALAYA:** CHERRAPUNJI-36, CHERRAPUNJI(RKM)-27
		25	**ASSAM & MEGHALAYA:** MAWSYNRAM-29, DHOLLA BAZAR-24, CHERRAPUNJI-21,
		26	**ASSAM & MEGHALAYA:** CHERRAPUNJI(RKM)-38, CHERRAPUNJI-33, MAWSYNRAM-33,
		27	**ASSAM & MEGHALAYA:** MAWSYNRAM-66, CHERRAPUNJI(RKM)-55, CHERRAPUNJI-49, MANASH NH XING-27, AIE NH XING-26, HAZUAH-24, DRF-24, KOKRAJHAR-23, GOSSAIGAON-22, GOIBARGAON-22, PANBARI-22, KHLIEHRIAT-21; **SHWB & SIKKIM:** MANGAN-25, SANKALAN-23, SINGHIK-21, ALIPURDUAR (PTO)-21,
		28	**ASSAM & MEGHALAYA:** CHERRAPUNJI-57, CHERRAPUNJI(RKM)-55, KHLIEHRIAT-24; , **BIHAR:** DHENGBRIDGE-21,
7	July (76/19)	02	**ASSAM & MEGHALAYA:-** WILLIAMNAGAR-23, **SHWB & SIKKIM:-** ALIPURDUAR (PTO)-31, ALIPURDUAR (CWC)-31,
		05	**BIHAR:** KESSARIAH-25, **KONKAN & GOA:** THANE-38, MANDANGAD-25, SHRIWARDHAN-23, URAN-21, MHASLA-21, PANVEL AGRI-21, MATHERAN-21,
		06	**SAURASHTRA & KUTCH**:- KHAMBHALIA-49, KALYANPUR-35, PORBANDAR-29, OKHA-28, DWARKA-28, RANAVAV-27, KUTIANA-21, **KONKAN & GOA:-** TBIA IMD PART TIME-21,
		07	**EAST UTTAR PRADESH**:- ELGIN BRIDGE-22, **SAURASHTRA & KUTCH:-** KALAVAD-39, JAMNAGAR-24, KHAMBHALIA-23, PADDHARI-23, LALPUR-22, RAJKOT-22, DHROL-21,
		08	**SAURASHTRA & KUTCH:** OKHA-48, KHAMBHALIA-30, KALYANPUR-29, DWARKA-22, BHANVAD-21,
		09	**ASSAM & MEGHALAYA:** CHERRAPUNJI-23,
		10	**ARUNACHAL PRADESH:** PASIGHAT AERO-30, ROING-21, **ASSAM & MEGHALAYA:** CHERRAPUNJI-55, MAWSYNRAM-48, CHERRAPUNJI(RKM)-44, KHLIEHRIAT-22,
		11	**ASSAM & MEGHALAYA:** CHERRAPUNJI(RKM)-55, CHERRAPUNJI-52, KHLIEHRIAT-23,
		12	**ASSAM & MEGHALAYA:** CHERRAPUNJI-27, MAWSYNRAM-23, KHLIEHRIAT-23, WILLIAMNAGAR-23, CHERRAPUNJI(RKM)-22,
		13	**BIHAR:** BIRPUR-26,
		18	**SHWB & SIKKIM:-** CHEPAN-23,
		19	**ASSAM & MEGHALAYA:** CHERRAPUNJI(RKM)-34, CHERRAPUNJI-29, KOKRAJHAR-26, AIE NH XING-23,
		20	**ASSAM & MEGHALAYA:-** CHERRAPUNJI(RKM)-40, CHERRAPUNJI-33, MAWSYNRAM-21, **BIHAR:-** RAMNAGAR-29, CHANPATIA-25, JHANJHARPUR-22, SURSAND-22, KAMTAUL-21, SHEOHAR-21,
		21	**ASSAM & MEGHALAYA:-** CHERRAPUNJI(RKM)-43, CHERRAPUNJI-39, KHLIEHRIAT-27, **SHWB & SIKKIM:-** ALIPURDUAR (PTO)-29, ALIPURDUAR (CWC)-29,
		22	**ASSAM & MEGHALAYA:** MAWSYNRAM-22, **SHWB & SIKKIM:** NH31 BRIDGE-22, BUXADUAR-21,
		28	**SHWB & SIKKIM:-** BAGRAKOTE-23,
		29	**UTTARAKHAND:** KAPKOT-31,

EXTREME RAINFALL EVENTS

Sno	Months	Date	Sub-division with Station recorded =>21cm rainfall
		30	**ASSAM & MEGHALAYA:** BEKI MATHUNGARI-21, MAWSYNRAM-21,
		31	**SHWB & SIKKIM**: FALAKATA-22, **SHWB & SIKKIM:** BAROBHISHA-22,
8	August (172/26)	04	**KONKAN & GOA:-** SANTACRUZ - IMD OBSY-27, COLABA - IMD OBSY-25, **S. I. KARNATAKA:-** HOSANAGAR-21,
		05	**ODISHA:** JUJUMURA-29, NIMPARA-23, **GUJARAT REGION:** MADHBUN-39, KHANVEL-39, UMERGAM-36, VAPI-24, SILVASSA-23, **KONKAN & GOA:** PALGHAR AGRI-46, TALASARI-39, DAHANU - IMD OBSY-38, DODAMARG-28, MATHERAN-25, PERNEM-25, RAJAPUR-25, VAIBHAVWADI-24, SANGAMESHWAR DEVRUKH-23, BHIRA - IMD PART TIME-23, VASAI-22, RATNAGIRI - IMD OBSY-22, POLADPUR-22, **MADHYA MAHARASHTRA:** MAHABALESHWAR- IMD OBSY-32, GAGANBAWADA-31, **S. I. KARNATAKA:** KOTTIGEHARA-31, MADIKERI PTO-23, HOSANAGAR-22, AGUMBE EMO-21,
		06	**KONKAN & GOA:** VAIBHAVWADI-71, COLABA - IMD OBSY-33, URAN-32, ROHA-30, BHIRA - IMD PART TIME-29, PALGHAR AGRI-26, MATHERAN-24, SHRIWARDHAN-24, TALA-24, MANDANGAD-23, MANGAON-22, PEN-22, PANVEL AGRI-22, SUDHAGAD PALI-21, MURUD-21, **MADHYA MAHARASHTRA:** RADHANAGARI-23, GAGANBAWADA-21, **TAMIL., PUDU. & KARAIKAL:** G BAZAR-33, NADUVATTAM-23, DEVALA-22, **S. I. KARNATAKA:** BHAGAMANDALA-49, KOTTIGEHARA-39,
		07	**TAMIL.,PUDU.& KARAIKAL:** DEVALA-36, G BAZAR-35, CHINNAKALAR-31, VALPARAI TALUK OFFICE-23, NADUVATTAM-22, **S. I. KARNATAKA:** BHAGAMANDALA-40, KOTTIGEHARA-36, MADIKERI PTO-23, MURNADU-22, MUDIGERE-21, **KERALA & MAHE:** PEERMADE TO-26, MUNNAR KSEB-23, IDUKKI-23, MANANTODDY-21,
		08	**TAMIL.,PUDU.&KARAIKAL:-** DEVALA-34, **S. I. KARNATAKA:-** AGUMBE EMO-22, BHAGAMANDALA-21, **KERALA & MAHE:-** VADAKARA-33,
		10	**CHHATTISGARH:-** GURUR-23, DHAMTARI-21,
		12	**EAST UTTAR PRADESH:** ELGIN BRIDGE-22,
		13	**EAST UTTAR PRADESH:** ELGIN BRIDGE-23, **HIMACHAL PRADESH:** GHUMARWIN-27, **GUJARAT REGION:** MANDVI-21, UKAI-21,
		14	**WEST MADHYA PRADESH:** UDAIPURA-22, **GUJARAT REGION:** ANAND-32, UMERPADA-30, V.VIDYANAGAR SR-21,
		15	**EAST RAJASTHAN:** JAMWARAMGARH SR-25,
		16	**ODISHA:** PADAMPUR-24, **UTTARAKHAND:** SAMA-27, **TELANGANA:** VENKATAPURAM-23,
		17	**ASSAM & MEGHALAYA:** MAWSYNRAM-21, **MADHYA MAHARASHTRA:** MAHABALESHWAR- IMD OBSY-21, **COASTAL KARNATAKA:** KOLLUR-21, **S. I. KARNATAKA:** HOSANAGAR-23,
		18	**GUJARAT REGION:** MANDVI-25, **KONKAN & GOA:** MATHERAN-21,
		19	**EAST MADHYA PRADESH:** BARHI-22,
		20	**ODISHA:** SALEPUR-30, NISCHINTAKOILI-30, NAWARANGPUR-24, **WEST UTTAR PRADESH:** BIJNOR-25, **CHHATTISGARH:** BHAIRAMGARH-23, DARBHA-21,
		21	**VIDARBHA:** SAKOLI-25,
		22	**WEST MADHYA PRADESH:** SEHORE-AWS-32, HATPIPLAYA-27, INDORE-AWS-26, GOHARGANJ-26, ICHHAWAR-25, ASHTA-ARG-24, BADNAGAR-24, KHATEGAON-23, BADNAWAR-23, ARERAHILLS-21, KALAPIPAL-21, BHOPAL-AWS-ARG-21, REHTI-21,
		23	**EAST RAJASTHAN:** BHUNGRA SR-36, GHATOL-30, PIPALKHUNT SR-28, KESARPURA SR-27, JAGPURA SR-26, **WEST MADHYA PRADESH:** BAJNA-27, GULANA-26, MOMAN BADODIYA-25, SARANGPUR-22,

Sno	Months	Date	Sub-division with Station recorded =>21cm rainfall
		24	**GUJARAT REGION:-** KADI-33, UMERPADA-26, BECHARAJI-22, SARASWATI-21, **SAURASHTRA & KUTCH:-** JODIA-34, TANKARA-27, MORBI-25,
		25	**SAURASHTRA & KUTCH:** ABDASA-23, NALIYA-22,
		26	**ODISHA:** MARSAGHAI-23, TENSA-23, BOUDHGARH-21, BARIPADA-21,
		27	**ODISHA:** TELKOI-21, LAIKERA-21, KIRMIRA-21,
		28	**EAST MADHYA PRADESH:** NARSINGHPUR-AWS-30, **CHHATTISGARH:** AKALTARA-28, PUSAUR-27, PAMGARH-26, SAKTI-24, CHAMPA-23, MASTURI-22, JANJGIR-21, BALODA-21,
		29	**WEST MADHYA PRADESH:** SOHAGPUR-24, PACHMARHI-23, TIMARNI-22, HOSHANGBAD-AWS-21, **EAST MADHYA PRADESH:** CHAURI-41, PARASIA-33, HARRAI-31, UMRETH-30, MOHKHEDA-29, AMARWARA-27, CHINDWARA-AWS-24, SEONI-AWS-21, SAUSAR-21,
		30	**EAST RAJASTHAN:** ASPUR-36, **WEST MADHYA PRADESH:** HOSHANGBAD-AWS-34, BUDHNI-28, ICHHAWAR-27, REHTI-27, MAHIDPUR-26, JAWAR-23, BAROD-22, NUSRULGUNJ-ARG-21, SONKATCH-21, **SAURASHTRA & KUTCH:** ABDASA-21,
		31	**WEST RAJASTHAN:** SHERGARH-23, **SAURASHTRA & KUTCH:** JAMJODHPUR-24, KHAMBHALIA-21,
9	September (54/ 14)	07	**COASTAL KARNATAKA:** KOLLUR-24, **ASSAM & MEGHALAYA:** AIE NH XING-24, BARPETA-21, PANBARI-21,
		09	**SHWB & SIKKIM:** SEVOKE-21,
		10	**TAMIL.,PUDU.& KARAIKAL:** DEVALA-21,
		11	**SHWB & SIKKIM:** MATHABHANGA-23, NH31 BRIDGE-22, **COASTAL KARNATAKA:** MULKI-30, MANGALURU AP OBSY-26, PANAMBUR OBSY-23,
		12	**COASTAL KARNATAKA:** KOLLUR-22,
		16	**ASSAM & MEGHALAYA: CHERRAPUNJI-25,**
		17	**ASSAM & MEGHALAYA:** CHERRAPUNJI(RKM)-21,
		18	**BIHAR:** GAUNAHA-21, **GUJARAT REGION:** UMERPADA-27,
		20	**COASTAL KARNATAKA:** BRAHMAVAR AWS-39, KARKALA-28, MULKI-27, UDUPI-27, MANGALURU AP OBSY-22, **S. I. KARNATAKA:** AGUMBE EMO-22, **KERALA & MAHE:** VADAKARA-21,
		23	**SHWB & SIKKIM:** KUMARGRAM-25, **KONKAN & GOA:** PANVEL AGRI-31, SANTACRUZ IMD OBSY-29,
		24	**ASSAM & MEGHALAYA:-** MAWSYNRAM-51, CHERRAPUNJI-25, KHLIEHRIAT-24, **BIHAR:-** FORBESGANJ-23, **EAST UTTAR PRADESH:-** AZAMGARH-30, BANSI TEHSIL-26,
		25	**ASSAM & MEGHALAYA:** MAWSYNRAM-45, CHERRAPUNJI-42, CHERRAPUNJI(RKM)-42, NONGSTEIN-32, SHILLONG C.S.O.-25, KHLIEHRIAT-23, SHILLONG AWS-21, **BIHAR:** HATHWA-27, BHORE-24, TRIBENI/BALMIKINAGAR-23, FORBESGANJ-22, **EAST UTTAR PRADESH:** BASTI CWC-29, CHANDERDEEPGHAT-23,
		26	**ASSAM & MEGHALAYA:-** KHLIEHRIAT-36, NONGSTEIN-24, CHERRAPUNJI(RKM)-24, MAWSYNRAM-23,
		27	**ASSAM & MEGHALAYA:** KHLIEHRIAT-27, CHERRAPUNJI(RKM)-23, **SHWB & SIKKIM:** AMFU PUNDIBARI-26, MATHABHANGA-25, COOCH BEHAR-21,
10	October		
11	November		
12	December		

The frequency of the occurrences of extreme rainfall events pan India shows a peak of 172 extreme events (r/f>=21cms) occurring in the month of Aug spread over 23 days followed by the month of July with 76 events spread over a period of 19 days making Aug as the most active month for such activities Fig (113).
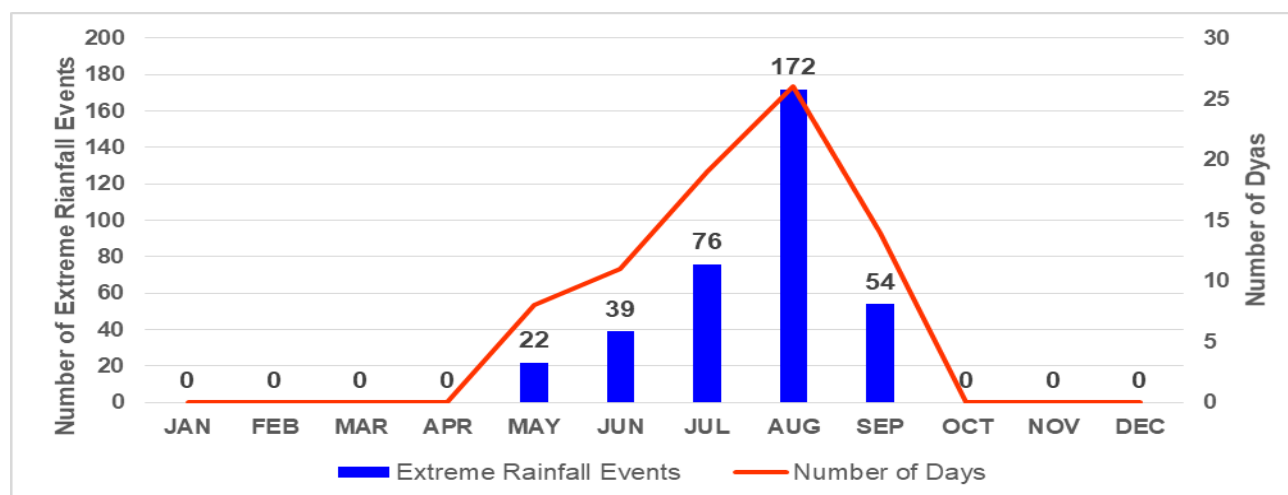

Figure 113: **Extreme Rainfall Events/Days for Country a whole during 2020**

9. *SALIENT FEATURES OF RAINFALL DURING 2020*

1. The country received actual annual rainfall of 1289.6 mm which was 110% of its long period average (LPA).
2. The country received actual SW Monsoon season (June to September) rainfall of **961.4** mm which was **109%** of its long period average (LPA).
3. The rainfall for the country as whole during Pre-monsoon, Postmonsoon and Winter season was **159.3** mm, **125.1** mm & **40.4** mm which was **21%, 1%** & **-1%** of LPA respectively.
4. The rainfall for the seasons for the country as a whole was more than the normal value for the all the seasons except Winter.
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 516.5 mm, 1122.4 mm, 937.4 mm, 1509.0 mm which was -14%, 15%, 29%, 07% of LPA respectively.
   b. **Month Wise:** The actual rainfall for the country as a whole during June, July, August & September was 195.6 mm, 257.4 mm, 299.9 mm, 178.0 mm which was 17%, -10%, 27% and 05% of LPA respectively.
   c. **Met Sub Division Wise:** Out of 36 met sub divisions, 2 met sub divisions received Large Excess rainfall, 13 met sub divisions received Excess rainfall, 16 met sub divisions received Normal rainfall and 5 met sub divisions received Deficient rainfall.
   d. **District Wise:** As per available data, out of 690 districts for which rainfall statistics was prepared, 60 districts received Large Excess rainfall, 164 districts received Excess rainfall, 291 districts received Normal category of

rainfall, 157 districts received Deficient rainfall. 16 districts received Large Deficient rainfall and there was no data received for 2 districts.

6. The rainfall deficiency for the country as a whole was maximum (1%) during Winter season.

7. In the four meteorological homogeneous regions, highest positive departure from Normal of 104% was experienced in Central India during Pre Monsoon season, whereas highest negative departure of 39% was observed in NorthWest India during Post Monsoon season.

8. Month wise, maximum positive departure of 219% was recorded in the month of March in Central India and the maximum negative departure of 94% was recorded in the month of October in North-West India.

9. Met sub-division-wise Annual and Seasonal rainfall distribution:
   a. **Annual:** Coastal Karnataka received highest rainfall of 4185.9 mm and West Rajasthan received lowest annual rainfall of 399.0 mm.
   b. **SW Monsoon season:**
      i. Coastal Karnataka received highest rainfall of 3681.9 mm and West Rajasthan received lowest annual rainfall of 336.2 mm.
      ii. West Uttar Pradesh recorded highest deficiency of 37% whereas highest positive departure of 126% was recorded in Saurashtra & Kutch.

10. Annually, the District of Udupi in Karnataka received the highest rainfall of 5245.3 mm where as the District Ladakh in Ladakh (UT) received the lowest rainfall of 65.5 mm.