



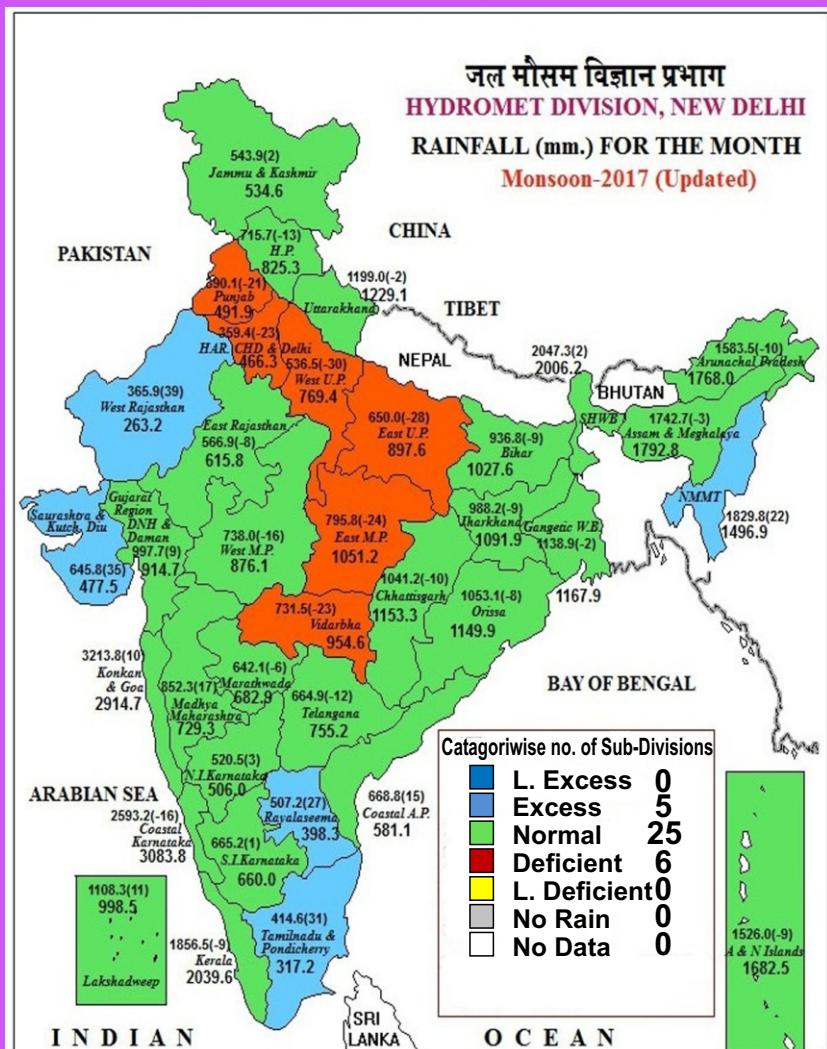
सत्यमेव जयते  
Ministry of  
Earth Sciences

# भारत मौसम विज्ञान विभाग (पृथ्वी विज्ञान मंत्रालय)

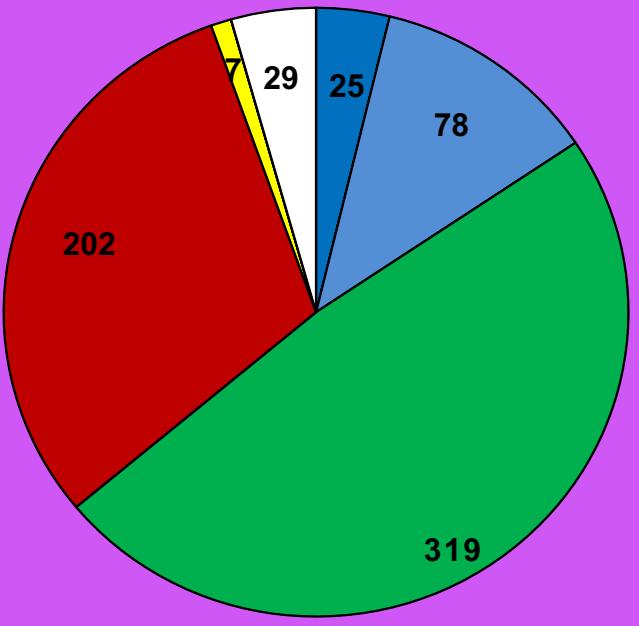
## India Meteorological Department (Ministry of Earth Sciences)



Report No. ESSO/IMD/HS/Rainfall Report/01(2018)/24



No. of districts under different rainfall categories  
(Southwest Monsoon 2017)



L. Excess	25
Excess	78
Normal	319
Deficient	202
L. Deficient	07
No Rain	00
No Data	29

## भारत के वर्षा आंकड़े –2017 RAINFALL STATISTICS OF INDIA - 2017

### लेखक

बी पी यादव, डॉ अशोक कुमार दास, के वी सिंह एवं एस के माणिक सहयोग

पी के गुप्ता, रामेश्वर राम, मनवीर सिंह, अशोक कुमार, निखिल जुयाल, देवेन्द्र शर्मा, श्रीमती मालनी ठाकुर, श्रीमती सुषमा सिंह, एवं सुश्री प्रगति श्रीवास्तव

जल मौसम विज्ञान प्रभाग, भारत मौसम विज्ञान विभाग, लोदी रोड, नई दिल्ली

Hydromet Division, India Meteorological Department, Lodi Road, New Delhi – 110 003





# भारत के वर्षा आंकड़े -2017

## Rainfall Statistics of India – 2017

*written by*

बी पी यादव, डॉ अशोक कुमार दास, के वी सिंह एवं एस के माणिक

**B. P. Yadav, Dr. Ashok Kr. Das, K. V. Singh and S. K. Manik**

*Supported by*

पी के गुप्ता, रामेश्वर राम, मनवीर सिंह, अशोक कुमार, देवेंद्र शर्मा,

श्रीमती मालिनी ठाकुर श्रीमती सुष्मा सिंह, निखिल जुयाल एवं प्रगति श्रीवास्तव

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## Foreword



Rainfall is the primary source of water and is of great importance for India's Economy, specially 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 – 2017' 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. K. J. RAMESH**

**DIRECTOR GENERAL OF METEOROLOGY  
INDIA METEOROLOGICAL DEPARTMENT**

## Preface

India Meteorological Department is using the rainfall data received from a network of more than 3500 rain-gauge stations which are under District wise Rainfall Monitoring Scheme (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 is included additional late receiving station's data in updating the statistics. Hope, this publication containing updated rainfall statistics for the year 2017 would be useful for the various stakeholders.

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

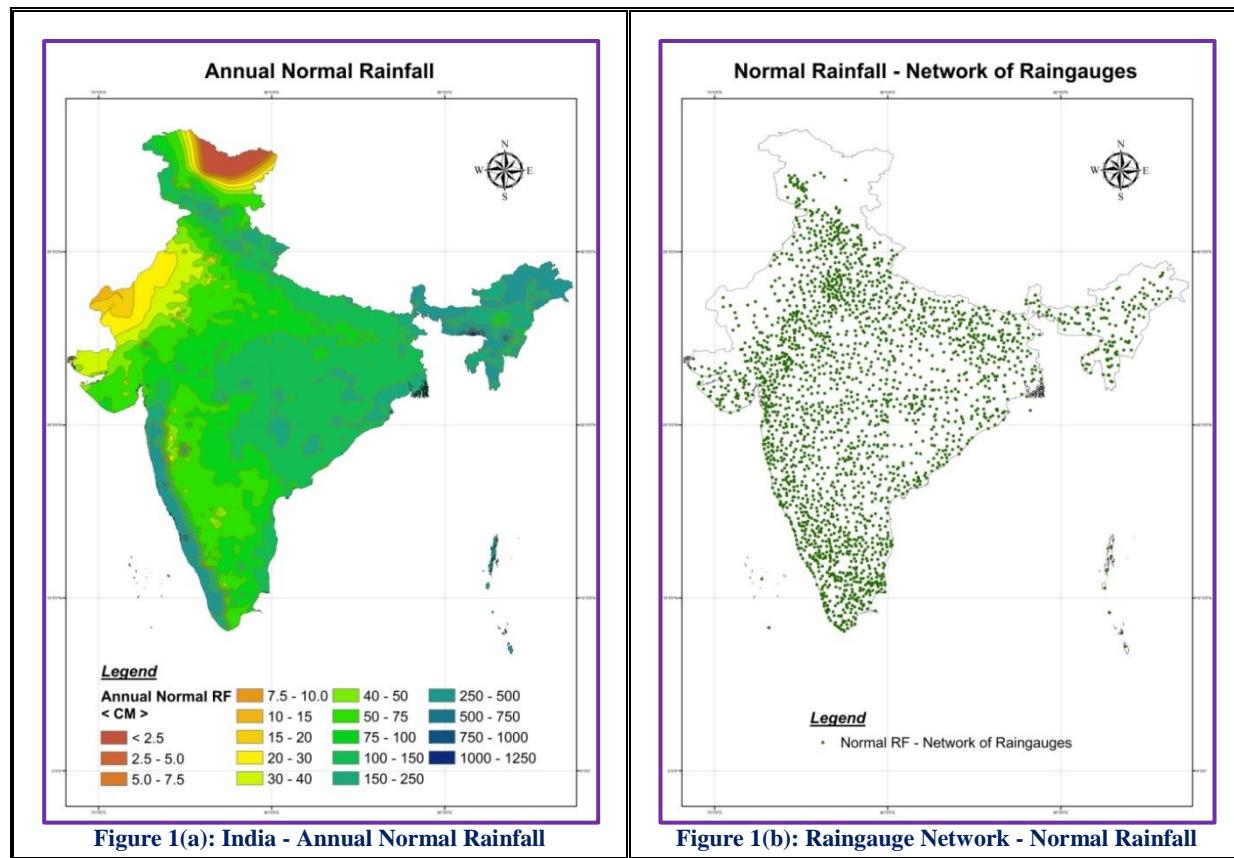
**B. P. Yadav, Ashok Kr. Das, K. V. Singh and S. K. Manik**

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## INTRODUCTION

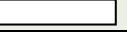
Rainfall is highly variable in time and space. Over 75% of the annual rainfall is received in the four rainy months for June to September only thereby leading to large variations on temporal scale. The average annual rainfall is 119 cm, but it has great spatial variations. The areas on the Western Ghats and the Sub-Himalayan areas in North East and Meghalaya Hills receive heavy rainfall of over 250 cm annually, whereas the Areas of Northern parts of Kashmir and Western Rajasthan receive rainfall less than 40 cm. The spatial distribution of annual normal rainfall and the network using which the normal rainfall was computed have been depicted in Figure 1(a) and Figure 1(b) respectively. Rainfall Normals have been computed using rainfall records of 50 years (1951-2000) of a network of 2412 stations all over the India. The two significant features of India's rainfall is that, in the north India, rainfall decreases westwards and in the Peninsular India, it decreases eastwards and then increases in the coastal region.



## METHODOLOGY

The rainfall statistics is computed based on the receipt of rainfall data from about 3500 stations spread over the entire country. Based on daily rainfall data of these stations, the rainfall of all the districts are 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 and 660 Districts of India. The statistics is provided on monthly, 4 seasons i.e. 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 1951-2000. Percent departure of rainfall from Rainfall Normals, besides these statistics, 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
<b>Large Excess (LE)</b>	60% or more	
<b>Excess (E)</b>	20% to 59%	
<b>Normal (N)</b>	-19% to +19%	
<b>Deficient (D)</b>	-20% to -59%	
<b>Large Deficient (LD)</b>	-60% to -99%	
<b>No Rain</b>	-100%	
<b>No Data</b>	Data Not Available	

## SEASONAL & ANNUAL RAINFALL STATISTICS FOR THE COUNTRY & BROAD REGIONS

The country received annual normal rainfall which is 112.7 cm and during SW Monsoon season, 95% of its normal rainfall which is 84.6cm. The region-wise and the country's seasonal and annual actual observed rainfall are given at Table 2, and the percentage departure from normal rainfall are given at Table 3. It may be observed that Central India, North West India as well as the country as a whole received negative % departure of rainfall during all the seasons and also annually. Also, South Peninsula also received negative % departure of rainfall during all the seasons except SW Monsoon which zero % departure. E & NE India during Pre-Monsoon, Post-Monsoon and annually received positive % of departure of rainfall where as winter and sw-mosoon received negative % departure of rainfall. Annually, all the regions and country as whole remained with normal rainfall category. The country was at maximum deficiency in rainfall of 12% during Post-Monsoon season which was normal category range. Regionally, lowest negative departure (82%) observed over Central India region during winter season where as highest positive departure of 33% was observed in North West India region during winter season. During SW Monsoon season lowest rainfall deficiency observed over North West India, where as maximum zero % departure observed over south peninsula region.

**Table 2: Region-wise seasonal and annual rainfall (mm) - Year 2017**

REGIONS	WINTER	PRE-MONSOON	SW MONSOON	POST-MONSOON	ANNUAL
COUNTRY AS A WHOLE	39.4	129.5	845.9	112.4	1127
NORTH WEST INDIA	103.2	102.8	554.1	27.7	788
CENTRAL INDIA	2.9	23.7	919.5	72.3	1018.5
SOUTH PENINSULA	12.9	112.1	718.8	242.4	1086.3
EAST & NORTH EAST INDIA	25.9	425.6	1409.0	199.7	2061.2

**Table 3: % Departure of region-wise seasonal and annual rainfall - Year 2017**

REGIONS	WINTER	PRE-MONSOON	SW MONSOON	POST-MONSOON	ANNUAL
COUNTRY AS A WHOLE	-5%	-2%	-5%	-12%	-5%
NORTH WEST INDIA	33%	-8%	-10%	-56%	-9%
CENTRAL INDIA	-82%	-41%	-6%	-9%	-8%
SOUTH PENINSULA	-15%	-9%	0%	-11%	-4%
EAST & NORTH EAST INDIA	-54%	14%	-2%	17%	1%

## MONTHLY RAINFALL STATISTICS FOR THE COUNTRY & BROADREGIONS

The observed monthly rainfall for the country as a whole and also for the four broad regions of the country are given at Table 4 and the % departure from normal rainfall are given at Table 5. The country received maximum rainfall in the month of July as 290.5 mm and minimum in the month of February as 12.4 mm. However, on comparing with normals, it is observed that the maximum positive departure is of 44% from its normal rainfall in the month of January where as the maximum negative departure of rainfall was of 51% in the month of November country as whole. While, looking at the regions of India, it may be observed that, maximum positive departure of 107% was recorded in North West India in the month of January, where as the maximum negative departure was of 98% in the month of October in North West India. The highest rainfall of 441.9 mm was recorded in the month of July in E & NE India and the least rainfall recorded was 0.3 mm in the month of February in South Peninsula India.

**Table 4: Region-wise actual monthly rainfall (mm) - Year 2017**

REGIONS	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
COUNTRY AS A WHOLE	26.9	12.4	29	44.3	56.1	172.5	290.5	229.6	153.3	81.5	14.7	16.2
NORTH WEST INDIA	76.3	27	28.2	44	30.7	105.9	232.9	145.3	70	0.7	3.4	23.6
CENTRAL INDIA	1.7	1.2	6	1.4	16.3	173.4	358.9	230.9	156.3	63.8	5.1	3.4
SOUTH PENINSULA	12.5	0.3	21.4	17.2	73.5	171.8	140.7	209.5	196.8	159.5	54.1	28.8
EAST & NORTH EAST INDIA	3	22.9	88.6	169	168	299.6	441.9	414.3	254.1	178.1	7.9	13.7

It may be observed (Table 5) that, the country remained with rainfall deficiency for all the months except for the the months of January, April, June and October, when the rainfall was equal or slightly more than the normal rainfall.

**Table 5: % Departure of region-wise monthly rainfall - Year 2017**

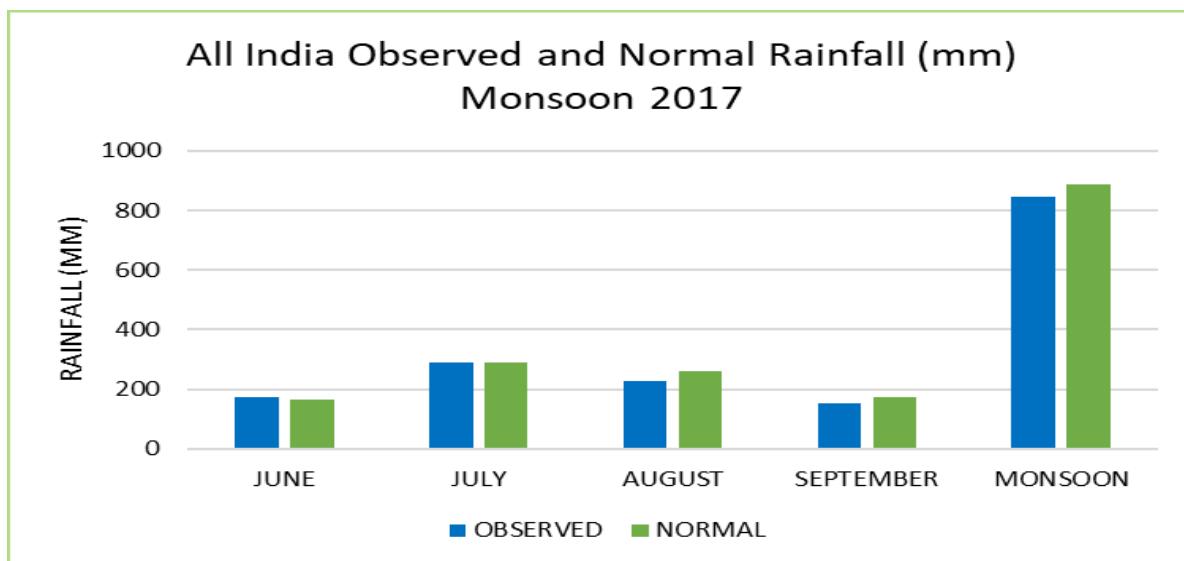
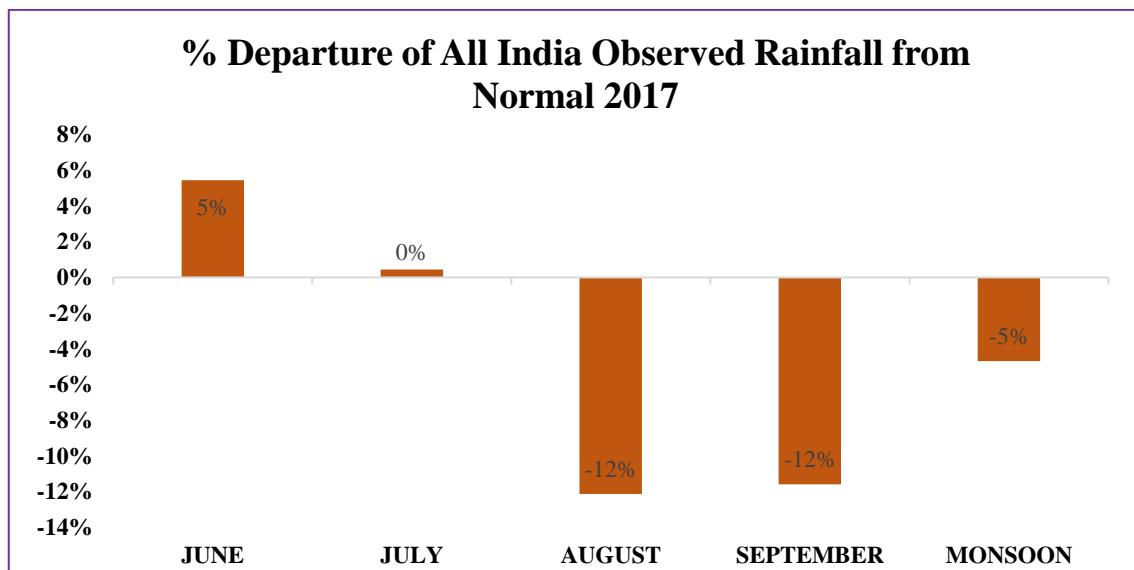
REGIONS	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
COUNTRY AS A WHOLE	40%	-44%	-6%	16%	-10%	5%	0%	-12%	-12%	1%	-51%	-2%
NORTH WEST INDIA	107%	-34%	-41%	44%	-6%	53%	7%	-33%	-38%	-98%	-71%	16%
CENTRAL INDIA	-79%	-85%	-38%	-86%	-20%	6%	10%	-24%	-14%	9%	-66%	-44%
SOUTH PENINSULA	60%	-96%	81%	-50%	-5%	8%	-36%	16%	26%	2%	-36%	-11%
EAST & NORTH EAST INDIA	-86%	-34%	35%	44%	-11%	-14%	1%	17%	-14%	36%	-70%	1%

## SW MONSOON – 2017

The rainfall statistics for SW Monsoon months and season for the country is given at Table 6. Also, the monthly (JJAS) & SW Monsoon observed and its normal rainfall is given at Figure 2 and the %departure of observed rainfall from their normal rainfall have been depicted Figure 3. During the SW Monsoon season, whole country was deficient in rainfall at -5% departure from Normal. It is observed that, the country was in rainfall deficiency viz., -12% for both August & September months where as rainfall departure were 5% and 0% in the month of June & July.

**Table 6: Rainfall (mm) for the country: SW Monsoon Season - 2017**

MONTH	OBSERVED	NORMAL	% DEPARTURE FROM NORMAL
JUNE	172.5	163.6	5%
JULY	290.5	289.2	0%
AUGUST	229.6	261.3	-12%
SEPTEMBER	153.3	173.4	-12%
SW MONSOON	845.9	887.5	-5%

**Figure 2: All India Rainfall – SW Monsoon 2017****Figure 3: Percent Departure of All India Rainfall – SW Monsoon 2017**

## **STATIONS (MET. SUBDIVISION-WISE) WITH HEAVIEST ONE DAY RAINFALL**

Stations recorded heaviest 1-day rainfall during SW Monsoon season 2017 in each of the Met. Subdivision along with their date of observation have been given below in Table 7 in descending order of rainfall and has also been depicted on the map at Figure 4. It may be seen that Mounnt abu Tehsil SR which lies in the East Rajasthan recorded the heaviest one-day rainfall of 773.0 mm on 24<sup>th</sup> Jul 2017, where as lowest of the one-day rainfall of 115.8 mm was recorded at Agathi station in Lakshdweep Met. Subdivision.

**Table 7: Met. Subdivision-wise Heaviest One Day Rainfall - SW Monsoon 2017**

MET. SUBDIVISION	STATION	DISTRICT	RAINFALL (MM)	DATE OF OBSN.
EAST RAJASTHAN	MOUNNT ABU TEHSIL SR	SIROHI	773.0	24-Jul-17
ASSAM & MEGHALAYA	CHERRAPUNJI	EAST KHASI HILLS	638.2	17-Jun-17
GUJARAT REGION	BARODA	VAPI	479.2	25-Jun-17
SHWB & SIKKIM	HASIMARA	JALPAIGURI	478.1	12-Aug-17
KONKAN & GOA	TALASARI	PALGHAR	468.8	25-Jun-17
BIHAR	BIRPUR	SUPAUL	454.0	13-Aug-17
SAURASHTRA & KUTCH	CHOTILA	SURENDRANAGAR	450.0	15-Jul-17
ODISHA	NARLA Arg	SAMBALPUR	395.1	17-Jul-17
WEST RAJASTHAN	SANCHORE	JALORE	390.0	25-Jul-17
VIDARBHA	BHAMRAGAD	GADCHIROLI	342.5	19-Jul-17
EAST UTTAR PRADESH	KAKRAHI	SIDDHARTH NAGAR	303.6	14-Aug-17
S. I. KARNATAKA	BHAGAMANDALA	KODAGU	287.4	20-Jul-17
WEST UTTAR PRADESH	BAH	AGRA	284.0	23-Sep-17
GANGETIC WEST BENGAL	BANKURA	BANKURA	274.0	23-Jul-17
JHARKHAND	LATEHAR	LATEHAR	268.8	26-Jul-17
CHHATTISGARH	DONDILOHARA	BALOD	267.0	18-Jul-17
COASTAL KARNATAKA	SHIRALI PTO	UTTAR KANNADA	266.7	11-Jun-17
ARUNACHAL PRADESH	ROING	LOWER DIBANG VALLEY	263.4	11-Aug-17
WEST MADHYA PRADESH	ISAGARH	ASHOKNAGAR	261.0	22-Sep-17
UTTARAKHAND	KOTDWARA	GARHWAL PAURI	245.0	04-Aug-17
N M M T	SERCHIP(HYDRO)	SERCHHIP	242.2	13-Jun-17
TAMILNADU & PONDICHERY	UTTAMAPALAYAM	THENI	240.0	05-Sep-17
KERALA	MANNARKKAD	PALAKKAD	235.0	17-Sep-17
HAR. CHD & DELHI	CHHANSA	FARIDABAD	229.0	23-Sep-17
MADHYA MAHARASHTRA	IGATPURI	NASHIK	220.0	25-Jun-17
A & N ISLAND	PORT BLAIR	SOUTH ANDAMAN	214.7	06-Jun-17
MARATHWADA	NANDED - IMD PartTime	NANDED	207.0	20-Aug-17
RAYALASEEMA	OWK	KURNOOL	200.2	25-Aug-17
TELANGANA	RANJAL	NIZAMABAD	194.8	20-Aug-17
HIMACHAL PRADESH	PALAMPUR	KANGRA	192.0	18-Jul-17
EAST MADHYA PRADESH	JAITHARI	ANUPPUR	190.6	10-Aug-17
PUNJAB	RANJIT SAGAR DAM SITE	GURDASPUR	188.8	08-Aug-17
COASTAL ANDHRA PRADESH	KURUPAM	VIZIANAGARAM	158.2	28-Aug-17
JAMMU & KASHMIR	KATRA	REASI	147.9	30-Jun-17
N. I. KARNATAKA	BEVOOR	KOPPAL	134.1	07-Jun-17
LAKSHADWEEP	AGATHI	LAKSHADWEEP	115.8	03-Jun-17

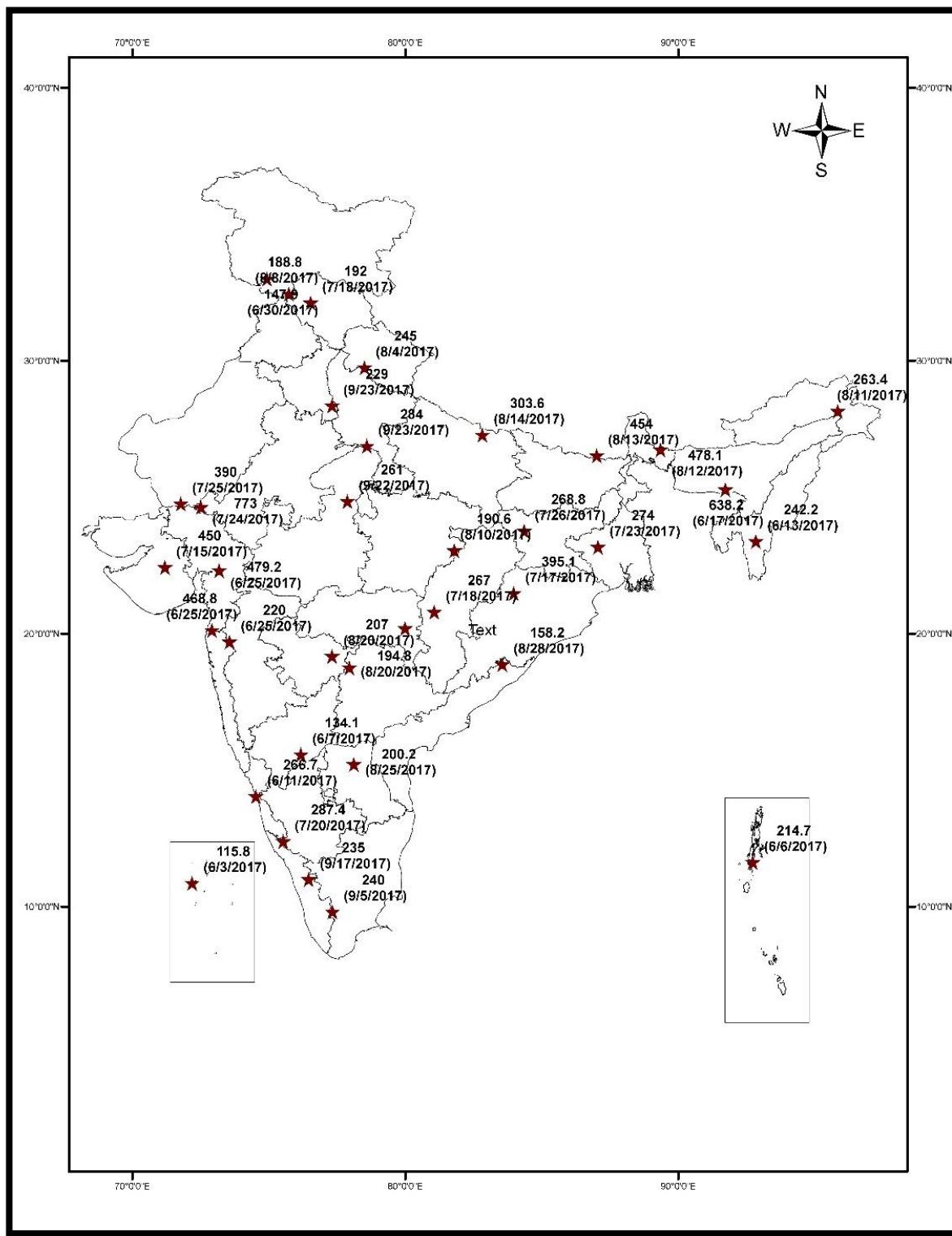
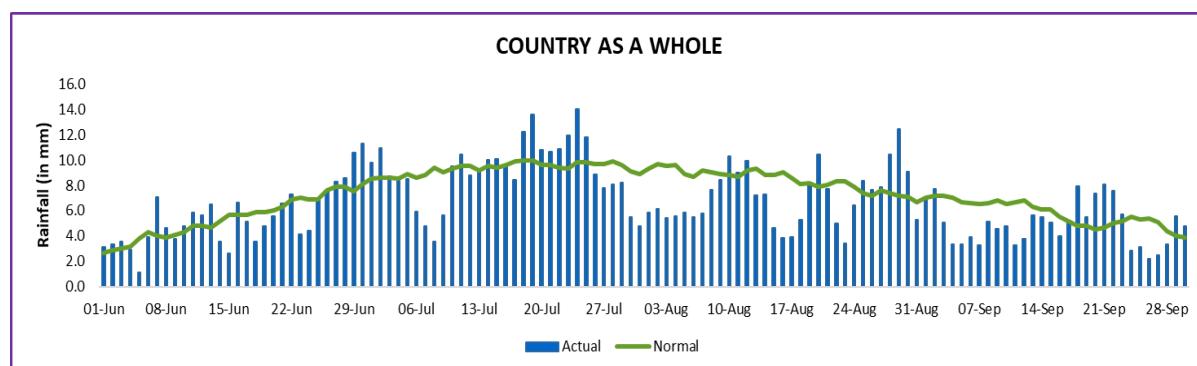


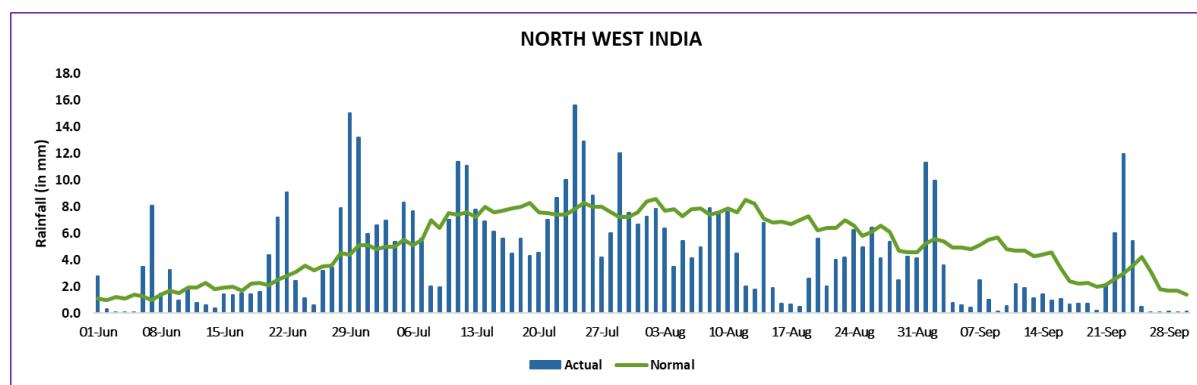
Figure 4: Heaviest 1 Day Rainfall (mm) in each Met. Subdivision of India

## REGION-WISE DAILY RAINFALL SERIES – SW MONSOON 2017

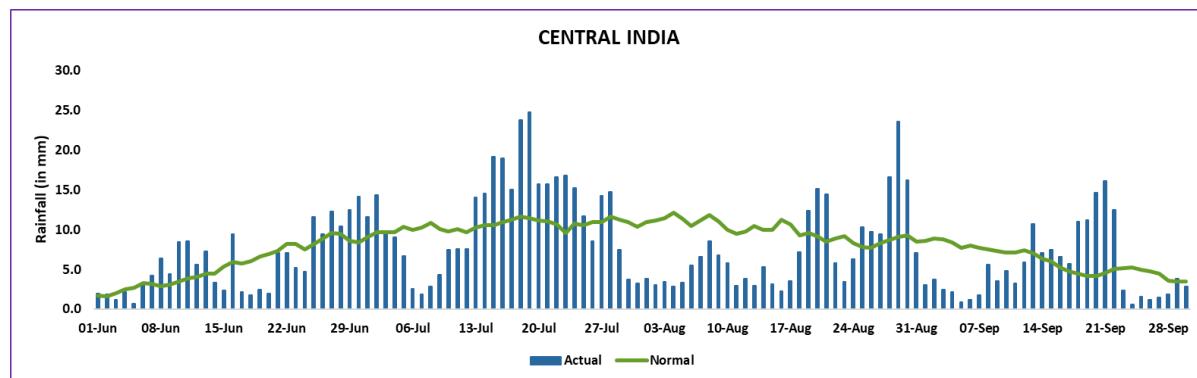
Daily SW Monsoon rainfall for the country and its broad regions has been plotted against their normal rainfall, given below at Figure 5 to Figure 9. The temporal distribution of SW Monsoon rainfall of the country at Figure 5 shows that the rainfall was good throughout the season but there were two long deficient rainfall spells of more than 10 days during 26-July to 9 Aug & 30 to 16 Septembetr. First dry spell may be due to the dry spells in south peninsula and E & NE India. Second dry spell may be due to the dry spell observed over E & NE India and Central India. In the region of South Peninsula India, spells of high magnitude rainfall were observed during last week of August & initial two weeks of September, the Central India received good amount of rainfall during 2<sup>nd</sup> and 3<sup>rd</sup> week of July & September. The E & NE India received good amount of rainfall during 2<sup>nd</sup> week of August. It is observed that the dry spells were more and of longer duration than the excess rainfall spells.



**Figure 5: All India Rainfall - SW Monsoon Rainfall Distribution – 2017**



**Figure 6: North West India - SW Monsoon Rainfall Distribution – 2017**



**Figure 7: Central India - SW Monsoon Rainfall Distribution – 2017**

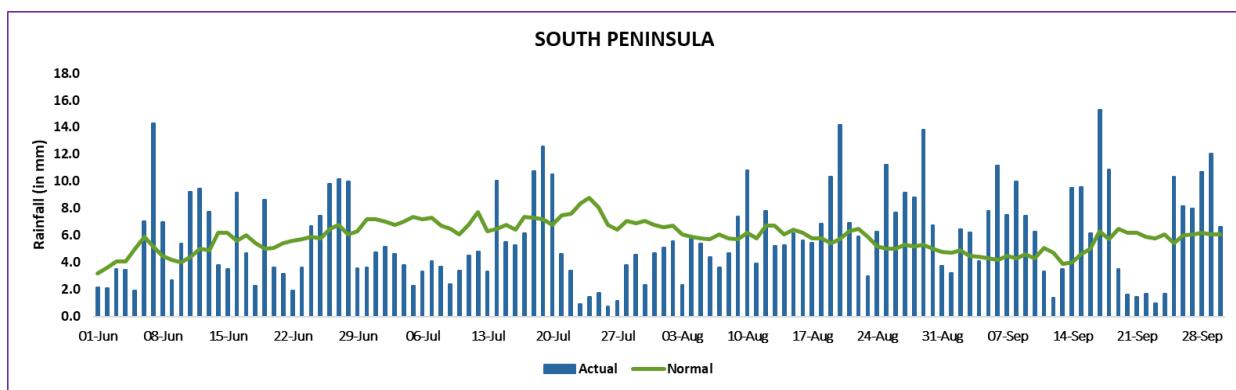


Figure 8: South Peninsula - SW Monsoon Rainfall Distribution – 2017

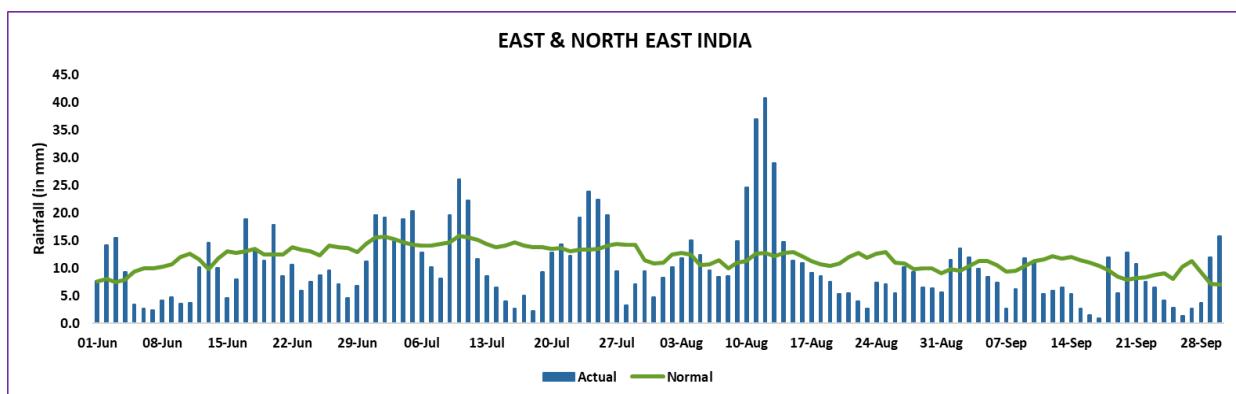


Figure 9: East &amp; North East India - SW Monsoon Rainfall Distribution – 2017

## MET. SUBDIVISION-WISE SEASONAL & ANNUAL RAINFALL STATISTICS

Seasonal and annual observed rainfall statistics during the year 2017 for all the 36 Met. Subdivisions and Met. Subdivisional percent departure of rainfall have been given in Table 8 & 9. It may be observed from annual rainfall that Konkan & Goa received highest rainfall of 3443.4 mm and West Rajasthan received lowest rainfall of 408.3 mm. During the SW Monsoon season, Konkan & Goa received highest rainfall of 3213.8 mm and Haryana, Chandigarh & Delhi received lowest rainfall of 359.4 mm. On comparing the annual rainfall with normals, it may be observed that, all the Met. Subdivisions remained either in Normal or in Deficient rainfall category except for N M M T, West Rajasthan and Saurashtra & Kutch which remained in Excess category. None of the Met. Subdivisions remained in Large Deficient category. During SW Monsoon season also, no Met. Subdivision remained in Large Deficient rainfall category. During SW Monsoon season 2017 and annually, none of the 36 Met. Subdivisions recorded the rainfall that is less than 50% of its normal, with highest deficiency in rainfall of 30% and 34% in West Uttar Pradesh during SW Monsoon and annual respectively.

Table 8: Met. Subdivision-wise seasonal and annual rainfall (mm) - Year 2017

MET. SUBDIVISIONS	WINTER	PRE-MONSOON	SW MONSOON	POST-MONSOON	ANNUAL
A & N ISLAND	234.2	417.1	1526.0	712.6	2890.0
ARUNACHAL PRADESH	94.4	827.0	1583.5	240.3	2745.3
ASSAM & MEGHALAYA	39.5	695.9	1742.7	233.5	2711.7
N M M T	12.7	599.7	1829.8	363.3	2805.4
SHWB & SIKKIM	8.1	458.2	2047.3	171.3	2684.9
GANGETIC WEST BENGAL	1.4	167.3	1138.9	261.1	1568.6

MET. SUBDIVISIONS	WINTER	PRE-MONSOON	SW MONSOON	POST-MONSOON	ANNUAL
ODISHA	1.7	93.8	1053.1	195.9	1344.5
JHARKHAND	5.2	66.6	988.2	105.9	1165.8
BIHAR	0.7	124.3	936.8	50.2	1112.0
EAST U.P.	9.8	32.2	650.0	3.0	695.0
WEST U.P.	23.1	23.4	536.5	2.2	585.2
UTTARAKHAND	50.1	205.6	1199.0	21.3	1476.0
HAR. CHD & DELHI	34.5	21.8	359.4	6.0	421.6
PUNJAB	45.5	39.1	390.1	22.9	497.5
HIMACHAL PRADESH	204.0	207.3	715.7	55.2	1182.2
JAMMU & KASHMIR	361.8	280.1	543.9	93.1	1278.9
WEST RAJASTHAN	6.3	33.6	365.9	2.4	408.3
EAST RAJASTHAN	8.4	21.3	566.9	3.8	600.3
WEST MADHYA PRADESH	6.5	8.5	738.0	16.0	769.0
EAST MADHYA PRADESH	11.3	13.4	795.8	19.5	840.1
GUJARAT REGION	0.0	0.2	997.7	26.6	1024.4
SAURASHTRA & KUTCH	0.1	0.1	645.8	6.1	652.1
KONKAN & GOA	0.0	47.0	3213.8	182.6	3443.4
MADHYA MAHARASHTRA	0.0	19.2	852.3	122.9	994.4
MARATHWADA	0.0	8.1	642.1	105.4	755.6
VIDARBHA	0.2	13.4	731.5	57.9	803.0
CHHATTISGARH	1.6	19.8	1041.2	61.8	1124.4
COASTAL ANDHRA PRADESH	1.0	52.0	668.8	170.9	892.7
TELANGANA	0.0	34.3	664.9	116.4	815.7
RAYALASEEMA	3.9	61.5	507.2	261.8	834.5
TAMILNADU & PUDUCHERRY	38.4	126.1	414.6	393.9	973.0
COASTAL KARNATAKA	1.1	141.0	2593.2	212.3	2947.6
N. I. KARNATAKA	0.0	65.5	520.5	153.7	739.6
S. I. KARNATAKA	5.0	191.8	665.2	199.8	1061.7
KERALA	13.0	353.9	1856.5	441.5	2664.9
LAKSHADWEEP	22.2	247.8	1108.3	360.7	1738.9

Table 9: % Departure of Met. Subdivision-wise seasonal and annual rainfall – Year 2017

MET. SUBDIVISIONS	WINTER	PRE-MONSOON	SW MONSOON	POST-MONSOON	ANNUAL
	% DEP.	% DEP.	% DEP.	% DEP.	% DEP.
A & N ISLAND	183%	-10%	-9%	2%	-1%
ARUNACHAL PRADESH	-36%	10%	-10%	-10%	-6%
ASSAM & MEGHALAYA	-16%	18%	-3%	20%	3%
N M M T	-71%	21%	22%	50%	23%
SHWB & SIKKIM	-87%	0%	2%	-8%	-1%
GANGETIC WEST BENGAL	-96%	2%	-2%	63%	3%
ODISHA	-95%	-30%	-8%	36%	-8%
JHARKHAND	-84%	-16%	-9%	16%	-10%
BIHAR	-97%	60%	-9%	-35%	-8%
EAST U.P.	-66%	2%	-28%	-95%	-32%
WEST U.P.	-31%	-20%	-30%	-96%	-34%
UTTARAKHAND	-53%	32%	-2%	-76%	-7%
HAR. CHD & DELHI	5%	-36%	-23%	-80%	-25%
PUNJAB	-8%	-27%	-21%	-44%	-22%
HIMACHAL PRADESH	4%	-15%	-13%	-49%	-14%
JAMMU & KASHMIR	70%	-14%	2%	-29%	6%
WEST RAJASTHAN	-15%	76%	39%	-74%	36%

MET. SUBDIVISIONS	WINTER	PRE-MONSOON	SW MONSOON	POST-MONSOON	ANNUAL
EAST RAJASTHAN	-20%	23%	-8%	-86%	-11%
WEST MADHYA PRADESH	-52%	-37%	-16%	-70%	-20%
EAST MADHYA PRADESH	-68%	-46%	-24%	-66%	-28%
GUJARAT REGION	-100%	-97%	9%	-23%	7%
SAURASHTRA & KUTCH	-68%	-96%	35%	-79%	28%
KONKAN & GOA	-100%	26%	10%	22%	11%
MADHYA MAHARASHTRA	-98%	-49%	17%	14%	13%
MARATHWADA	-100%	-73%	-6%	4%	-8%
VIDARBHA	-99%	-57%	-23%	-29%	-26%
CHHATTISGARH	-92%	-58%	-10%	-21%	-13%
COASTAL ANDHRA PRADESH	-95%	-46%	15%	-48%	-13%
TELANGANA	-100%	-40%	-12%	-2%	-13%
RAYALASEEMA	-41%	-25%	27%	19%	18%
TAMILNADU & PUDUCHERRY	24%	-2%	31%	-10%	6%
COASTAL KARNATAKA	20%	-21%	-16%	-19%	-16%
N. I. KARNATAKA	-100%	-23%	3%	6%	0%
S. I. KARNATAKA	13%	32%	1%	-5%	4%
KERALA	-46%	-7%	-9%	-8%	-9%
LAKSHADWEEP	-38%	7%	11%	8%	9%

#### Category-wise Seasonal and Annual distribution of Meteorological Subdivisions:

Annual rainfall statistics for the year 2017 show that, 26 Met. Subdivisions remained in Normal and 7 in Deficient category of rainfall. 3 Met. Subdivision remained in Excess category of rainfall. The categorywise statistics and chart for seasonal distribution of no. of Met. Subdivisions have been given in Table 10 and Figure 10 respectively.

Table 10: Categorywise number of Met. Subdivisions - seasonally and annually

CATEGORY	WINTER	PRE-MONSOON	SW MONSOON	POST-MONSOON	ANNUAL
L. EXCESS	2	2	0	1	0
EXCESS	2	5	5	4	3
NORMAL	6	12	25	14	26
DEFICIENT	8	14	6	8	7
L. DEFICIENT	13	3	0	9	0
NO RAIN	5	0	0	1	0
NO DATA	0	0	0	0	0

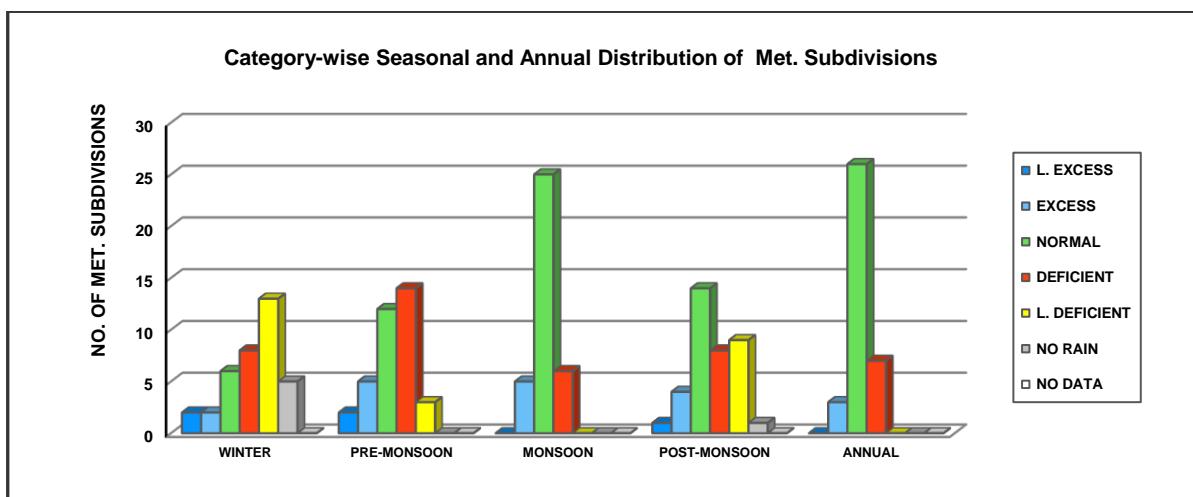


Figure 10: Category-wise Met. Subdivisions – seasonally and annually

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 11.

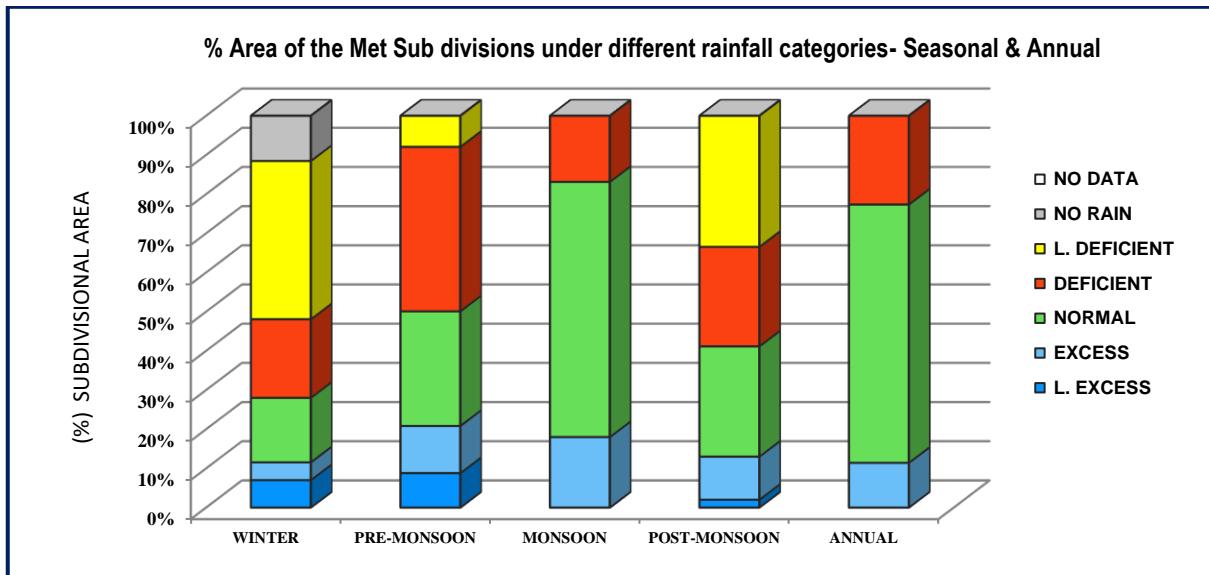


Figure 11: %Area of the Met. Subdivisions under different rainfall categories- Seasonal &amp; Annual

### MET. SUBDIVISIONAL AREA (%) UNDER RAINFALL DEFICIENCY – SW Monsoon

Area (%) of the 36 Met. Subdivisions of India under different categories of rainfall deficiency during SW Monsoon (June-September) have been given below in tabular form in Table 11 and has been depicted in graphical form in Figure 12 as well.

Table 11: Met. Subdivisional Area (%) under Rainfall Deficiency – SW Monsoon 2017

Deficiency in Rainfall	Deficiency	% Area of Met. Subdivisions of India
< 26 %	No	93%
26 % or more but < 50 %	Moderate	7%
50 % or more	Severe	0%

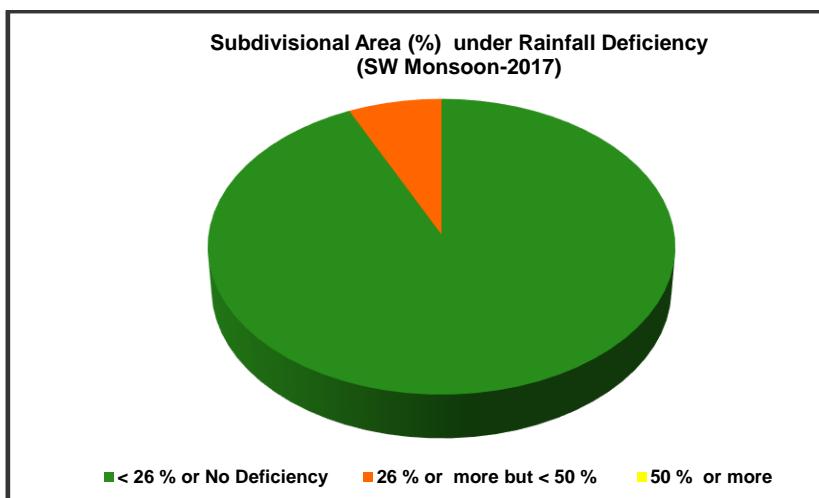


Figure 12: Met. Subdivisional Area (%) under Rainfall Deficiency – SW Monsoon 2017

## MET. SUBDIVISION-WISE ANNUAL & SEASONAL RAINFALL MAPS

Met. Subdivision-wise rainfall maps for the year 2017 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 13 to Figure 17.

The normal rainfall values are shown in Bold figures on the map where as the actual rainfall are shown in small figures. Percentage departure of rainfall are shown within the brackets.

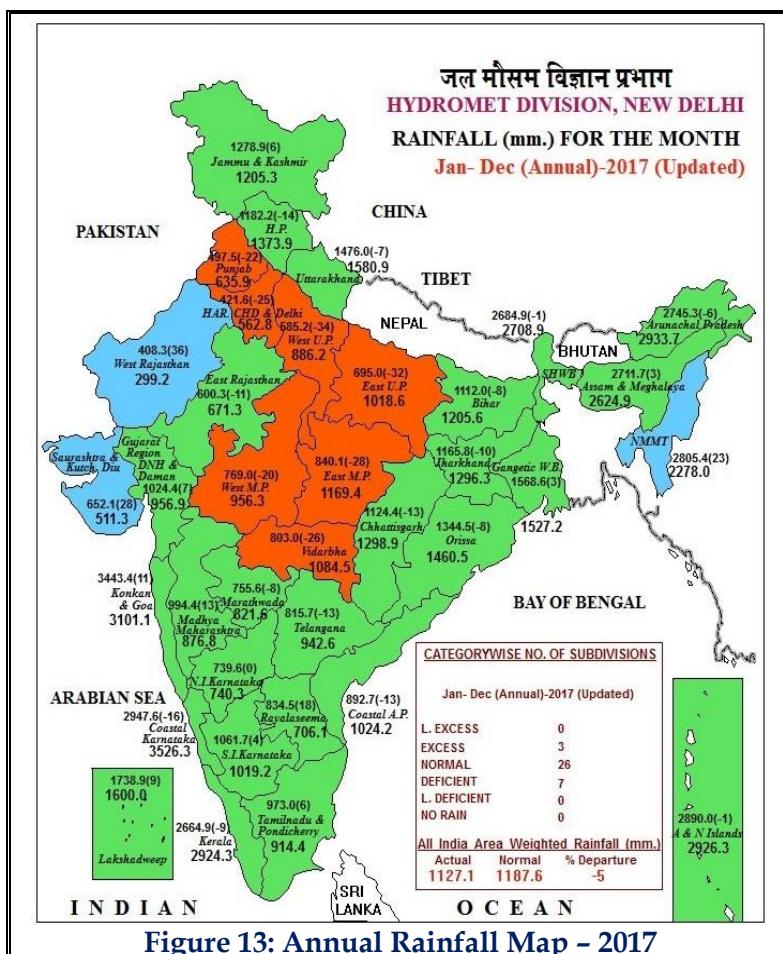


Figure 13: Annual Rainfall Map – 2017

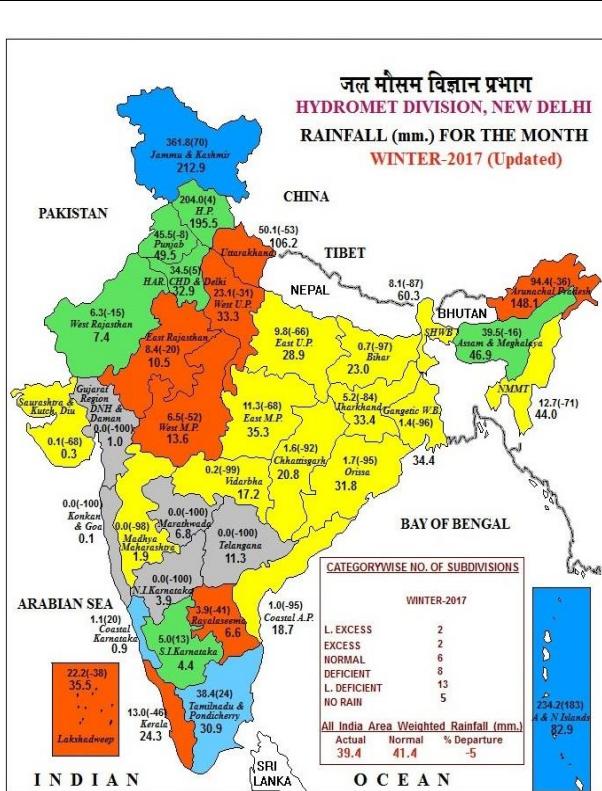


Figure 14: Winter Rainfall Map – 2017

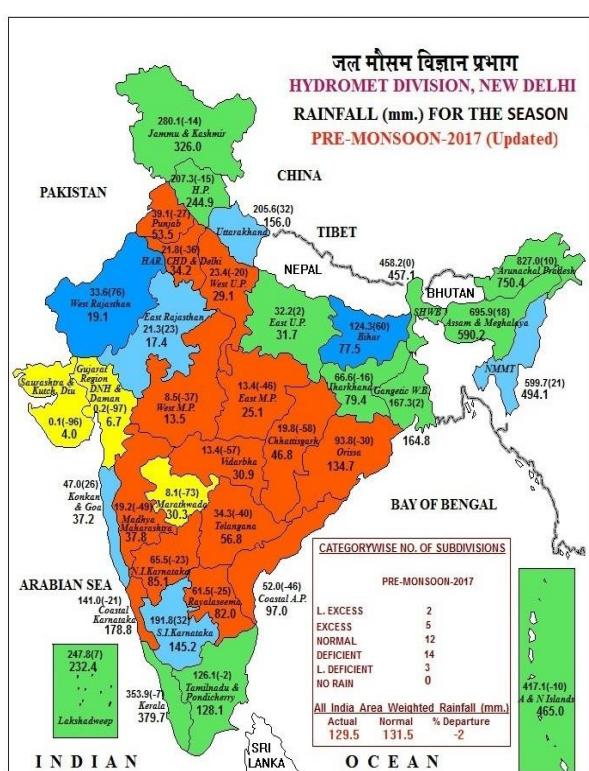


Figure 15: Pre-Monsoon Rainfall Map – 2017

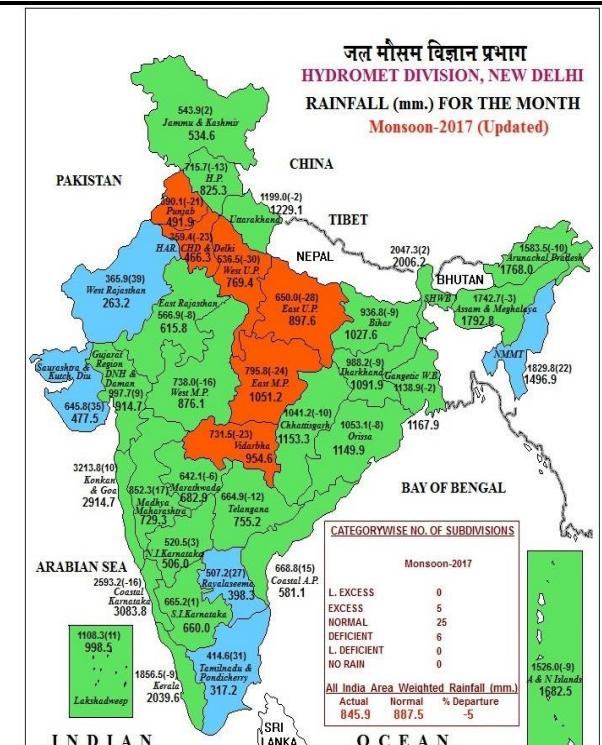


Figure 16: SW Monsoon Rainfall Map – 2017

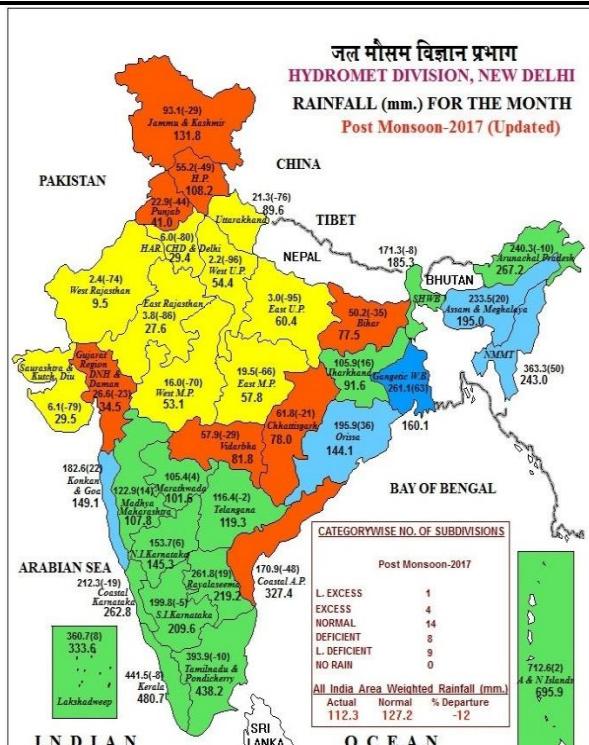


Figure 17: Post-Monsoon Rainfall Map – 2017

## MET. SUBDIVISION-WISE MONTHLY RAINFALL STATISTICS

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

**Table 12: Met. Subdivision-wise monthly rainfall (mm) - Year 2017**

MET. SUBDIVISIONS	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUGT	SEP	OCT	NOV	DEC
A & N ISLAND	228.7	5.6	33.0	108.3	275.8	349.1	389.4	414.7	372.8	263.0	205.9	243.7
ARUNACHAL PRADESH	8.2	86.2	221.8	348.2	257.1	370.8	437.8	456.4	318.6	227.1	9.9	3.4
ASSAM & MEGHALAYA	1.7	37.8	116.7	310.9	268.4	485.2	429.0	483.1	345.4	212.1	10.3	11.0
N M M T	0.8	11.9	125.3	277.6	196.7	502.7	431.5	543.3	352.2	287.6	7.6	68.1
SHWB & SIKKIM	3.0	5.1	84.6	146.8	226.8	400.6	478.6	777.9	390.1	166.5	3.8	1.0
GANGETIC WEST BENGAL	1.4	0.0	35.2	25.8	106.3	193.7	489.3	264.5	191.4	225.2	21.9	14.0
ODISHA	1.7	0.0	29.8	8.7	55.2	209.5	349.7	301.7	192.2	161.1	30.0	4.8
JHARKHAND	5.1	0.1	4.5	6.1	55.9	116.0	492.1	246.0	134.0	103.4	2.3	0.2
BIHAR	0.7	0.0	22.8	21.8	79.7	84.6	379.9	342.8	129.6	50.1	0.0	0.0
EAST U.P.	9.7	0.1	4.3	2.0	25.8	50.8	328.9	185.1	85.2	3.0	0.0	0.0
WEST U.P.	22.0	1.1	8.5	1.4	13.5	85.1	181.0	129.8	140.7	0.6	0.0	1.6
UTTARAKHAND	36.6	13.5	44.5	52.8	108.2	175.6	460.9	349.0	213.4	2.8	0.2	18.3
HAR. CHD & DELHI	34.2	0.3	7.2	4.3	10.3	121.2	69.2	76.5	92.5	0.0	1.8	4.2
PUNJAB	42.4	3.0	14.5	12.3	12.3	110.8	94.4	122.2	62.7	0.0	5.2	17.7
HIMACHAL PRADESH	157.6	46.3	57.4	88.0	62.0	123.1	216.1	273.1	103.4	0.3	6.9	48.0
JAMMU & KASHMIR	255.5	106.4	85.0	156.7	38.5	158.5	180.7	161.4	43.3	0.3	11.3	81.5
WEST RAJASTHAN	6.0	0.3	4.2	3.3	26.1	81.9	219.7	43.1	21.2	0.0	0.6	1.8
EAST RAJASTHAN	8.4	0.0	5.5	0.7	15.1	89.9	293.3	137.3	46.4	0.0	0.4	3.4
WEST MADHYA PRADESH	4.6	1.9	1.5	0.2	6.9	120.0	292.8	173.7	151.4	13.5	0.4	2.0
EAST MADHYA PRADESH	4.6	6.7	2.0	0.0	11.4	119.0	353.8	179.1	144.0	18.8	0.7	0.0
GUJARAT REGION	0.0	0.0	0.0	0.0	0.2	137.7	613.1	179.7	67.2	15.5	0.0	11.0
SAURASHTRA & KUTCH	0.1	0.0	0.0	0.0	0.1	81.8	368.6	153.5	41.8	4.8	0.0	1.3
KONKAN & GOA	0.0	0.0	0.0	0.0	47.0	840.4	1095.3	731.2	546.9	156.9	0.7	25.0
MADHYA MAHARASHTRA	0.0	0.0	0.4	0.8	18.0	189.2	280.9	192.0	190.1	112.8	5.0	5.1
MARATHWADA	0.0	0.0	4.7	0.0	3.3	182.3	82.5	230.4	146.9	100.4	2.4	2.7
VIDARBHA	0.2	0.0	6.1	0.0	7.3	147.8	252.2	198.3	133.3	57.5	0.3	0.0
CHHATTISGARH	0.9	0.7	3.5	0.8	15.6	184.8	378.3	300.4	177.7	61.6	0.2	0.0
COASTAL ANDHRA PRADESH	1.0	0.0	12.4	8.8	30.8	149.6	153.2	224.2	141.8	123.0	46.7	1.2
TELANGANA	0.0	0.0	8.7	3.2	22.4	202.2	143.2	204.2	115.3	114.6	1.9	0.0
RAYALASEEMA	3.9	0.0	12.8	8.8	39.9	88.9	52.2	171.6	194.6	221.1	33.3	7.4
TAMILNADU & PUDUCHERRY	37.3	1.1	35.4	17.3	73.5	47.9	42.0	159.4	165.3	155.5	141.5	96.8
COASTAL KARNATAKA	1.1	0.0	2.5	9.5	129.0	831.4	820.1	625.2	316.5	185.7	19.4	7.2
N. I. KARNATAKA	0.0	0.0	10.7	9.9	44.8	131.3	76.8	105.8	206.6	147.9	4.9	0.9
S. I. KARNATAKA	5.0	0.0	16.8	34.1	140.9	107.6	125.9	181.4	250.3	178.3	13.8	7.7
KERALA	12.7	0.3	87.8	52.8	213.3	579.8	378.5	462.6	435.5	228.0	152.1	61.4
LAKSHADWEEP	21.3	0.9	100.2	1.8	145.7	521.9	164.2	206.2	216.0	137.1	63.5	160.1

It may be observed (Table 13) that in the month of February, three Met. Subdivision i.e. Arunachal Pradesh, Assam & Meghalaya, Jammu & Kashmir were with Normal/Excess category of rainfall and 33 out of the 36 Met. Subdivisions remained in Deficient/Large Deficient/No Rain category. In the month of November 30 Met Sub divisions received Deficient/Large Deficient/No Rain category of rainfall.

Table 13: % Departure of Met. Subdivision-wise monthly rainfall

Met. Subdivisions	Jan	Feb	Mar	Apr	May	Jun	Jul	Augt	Sep	Oct	Nov	Dec
A & N ISLAND	326%	-81%	32 %	33 %	-23%	-20%	-4 %	3 %	-14%	-11%	-19%	67 %
ARUNACHAL PRADESH	-84%	-12%	23 %	25 %	-12%	-26%	-18%	27 %	-14%	24 %	-78%	-91%
ASSAM & MEGHALAYA	-90%	24 %	50 %	72 %	-19%	-3 %	-23%	18 %	6 %	37 %	-64%	-7 %
N M M T	-94%	-61%	63 %	86 %	-27%	22%	4 %	43 %	22%	60 %	-85%	445%
SHWB & SIKKIM	-89%	-85%	33 %	19 %	-16%	-17%	-22%	57 %	-5%	8 %	-81%	-91%
GANGETIC WEST BENGAL	-90%	-99%	26 %	-39%	12%	-21%	48%	-15%	-32%	74 %	-6 %	86 %
ODISHA	-84%	-100%	10 %	-77%	-21%	-2 %	4 %	-17%	-19%	44 %	8 %	-1 %
JHARKHAND	-68%	-99%	-73%	-67%	27%	-41%	47%	-22%	-45%	37 %	-77%	-97%
BIHAR	-95%	-100%	126 %	34 %	56%	-50%	11 %	18 %	-42%	-23%	-99%	-99%
EAST U.P.	-42%	-99%	-52%	-64%	52%	-53%	10 %	-37%	-57%	-94%	-100%	-99%
WEST U.P.	21 %	-92%	-25%	-69%	2 %	20%	-30%	-55%	-5 %	-99%	-100%	-79%
UTTARAKHAND	-30%	-75%	-23%	59 %	66%	5 %	8 %	-18%	3 %	-95%	-98%	-14%
HAR. CHD & DELHI	92 %	-98%	-43%	-43%	-27%	164%	-58%	-56%	14 %	-100%	-64%	-39%
PUNJAB	68 %	-87%	-43%	-1 %	-22%	149%	-49%	-28%	-31%	-100%	-9 %	33 %
HIMACHAL PRADESH	62 %	-53%	-50%	34 %	-5 %	29%	-30%	-3 %	-26%	-99%	-66%	6 %
JAMMU & KASHMIR	167%	-9 %	-44%	61 %	-50%	147%	-6 %	-13%	-53%	-99%	-66%	36 %
WEST RAJASTHAN	106%	-93%	10 %	-20%	135%	174%	114%	-52%	-49%	-100%	-76%	15 %
EAST RAJASTHAN	50 %	-100%	49 %	-74%	40%	44%	30 %	-40%	-54%	-100%	-95%	2 %
WEST MADHYA PRADESH	-45%	-63%	-68%	-92%	0 %	14%	0 %	-44%	-11%	-61%	-96%	-73%
EAST MADHYA PRADESH	-77%	-56%	-84%	-100%	61 %	-11%	2 %	-52%	-28%	-50%	-93%	-100%
GUJARAT REGION	-100%	-100%	-100%	-94%	-96%	5 %	80%	-36%	-58%	-34%	-100%	548%
SAURASHTRA & KUTCH	-47%	-78%	-100%	-79%	-96%	-6 %	96%	22 %	-45%	-73%	-99%	84 %
KONKAN & GOA	-100%	-100%	-100%	-100%	37%	20%	-1 %	-4 %	58%	30 %	-97%	346%
MADHYA MAHARASHTRA	-96%	-100%	-84%	-92%	-31%	30%	16%	2 %	25%	43 %	-78%	-17%
MARATHWADA	-100%	-100%	-17%	-100%	-82%	27%	-56%	22 %	-11%	39 %	-89%	-67%
VIDARBHA	-98%	-99%	-49%	-100%	-35%	-12%	-19%	-35%	-21%	-3 %	-97%	-100%
CHHATTISGARH	-91%	-93%	-73%	-95%	-21%	0 %	0 %	-20%	-18%	-3 %	-98%	-100%
COASTAL ANDHRA PRADESH	-88%	-100%	12 %	-60%	-52%	44%	-4 %	42 %	-11%	-36%	-56 %	-96%
TELANGANA	-100%	-100%	-8 %	-80%	-27%	49%	-40%	-7 %	-29%	24 %	-91%	-100%
RAYALASEEMA	30 %	-100%	96 %	-56%	-28%	31%	-45%	66 %	46%	71 %	-50%	-69%
TAMILNADU & PUDUCHERRY	113%	-92%	94 %	-59%	9 %	4 %	-38%	82 %	43%	-14%	-17%	10 %
COASTAL KARNATAKA	55 %	-100%	-39%	-66%	-12%	-4 %	-29%	-17%	5 %	-2 %	-67%	-47%
N. I. KARNATAKA	-100%	-100%	106 %	-61%	-17%	26 %	-43%	-12%	42%	32 %	-82%	-85%
S. I. KARNATAKA	255%	-100%	98 %	-22%	52%	-24%	-42%	12 %	78%	21 %	-72%	-39%
KERALA	46 %	-98%	189%	-52%	-11%	-11%	-48%	10 %	78%	-22%	1 %	64 %
LAKSHADWEEP	2 %	-94%	749%	-96%	-15%	58%	-43%	-5 %	32%	-13%	-46%	172%

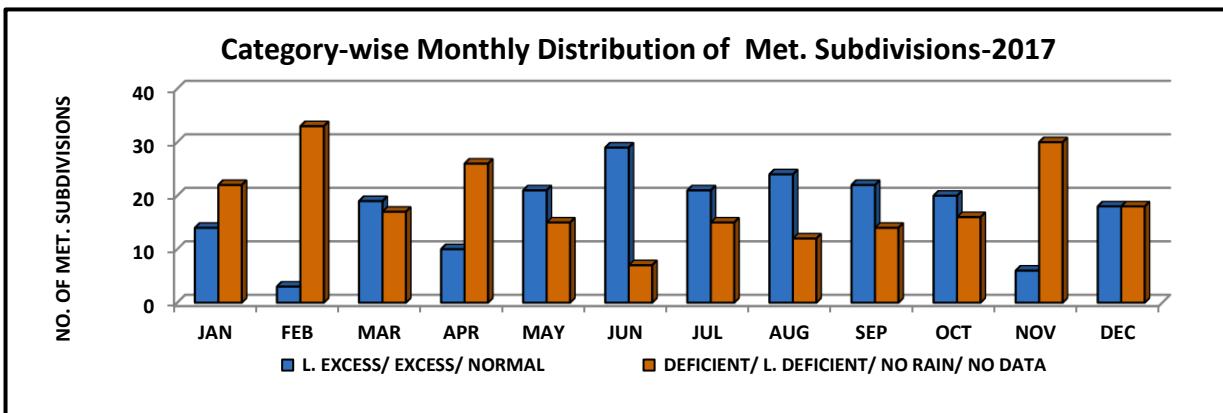
**Category-wise monthly distribution of number of Met. Subdivisions:**

It may be observed (Table 14) that in the month of February, only one Met. Subdivision i.e. Assam & Meghalaya was with Excess category of rainfall (Figure-18) and 20 Met. Subdivisions out of the 36 remained in Deficient/Large Deficient category, two were in the Normal category of rainfall and 13 with no rain. Particularly, all the Met. Subdivisions of Central India and South Peninsula remained Large Deficient or No Rain during the month of February except Deficient in East Madhya Pradesh. Similarly, in the month of November, Normal rainfall categories had 06 Met. Subdivisions in it. Rest of the 30 Met. Subdivisions belonging to Central India, NW India E & NE India and South Peninsula remained in Deficient/Large Deficient or No Rain category of rainfall.

The statistics and chart for monthly distribution of no. of Met. Subdivisions in different categories are given below in Table 14 and Figure 18 respectively.

**Table 14: Categorywise monthly number of Met. Subdivisions - Year 2017**

Category	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
L. EXCESS	8	0	8	3	3	4	3	2	2	3	0	8
EXCESS	5	1	6	5	6	12	3	6	7	10	0	2
NORMAL	1	2	5	2	12	13	15	16	13	7	6	8
DEFICIENT	4	2	9	7	12	7	15	12	14	5	3	3
L. DEFICIENT	13	18	5	15	3	0	0	0	0	7	24	11
NO RAIN	5	13	3	4	0	0	0	0	0	4	3	4
NO DATA	0	0	0	0	0	0	0	0	0	0	0	0



**Figure 18: Categorywise distribution of Met. Subdivisions – Monthly - Year 2017**

## MET. SUBDIVISION-WISE 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 19 to Figure 30. Bold figures on the map are the normal rainfall values where as small figures indicate the actual rainfall. Percentage departure of rainfall are shown within the brackets.

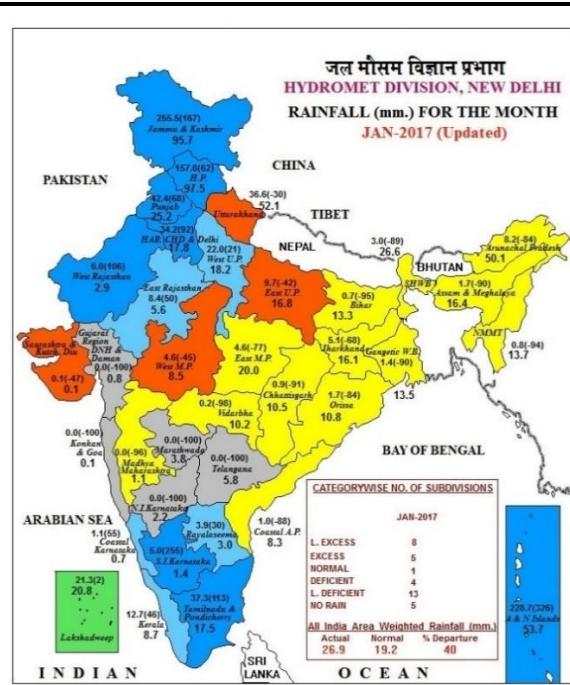


Figure 19: Rainfall map – January 2017

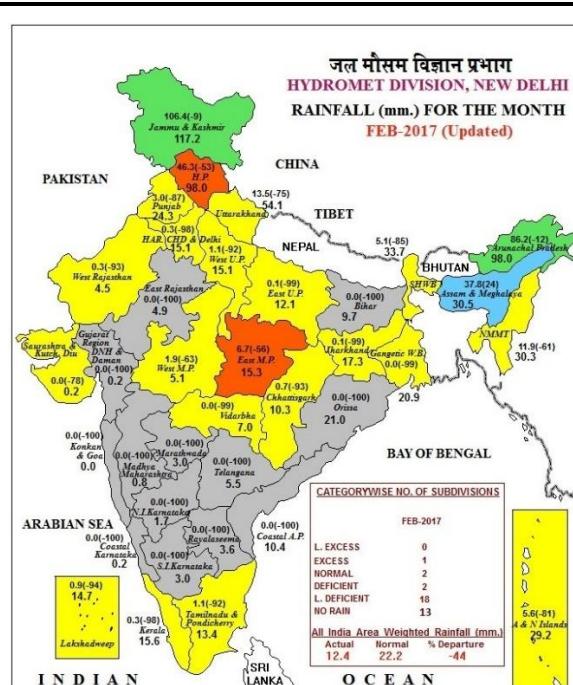


Figure 20: Rainfall map - February 2017

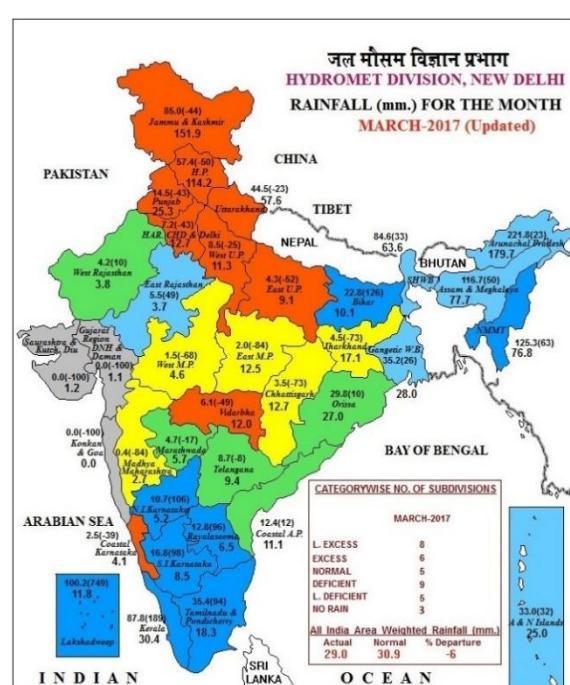


Figure 21: Rainfall map - March 2017

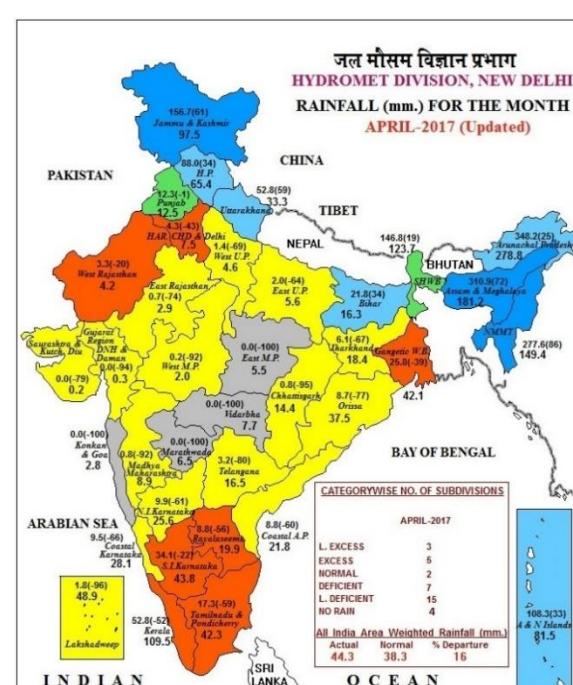


Figure 22: Rainfall map - April 2017

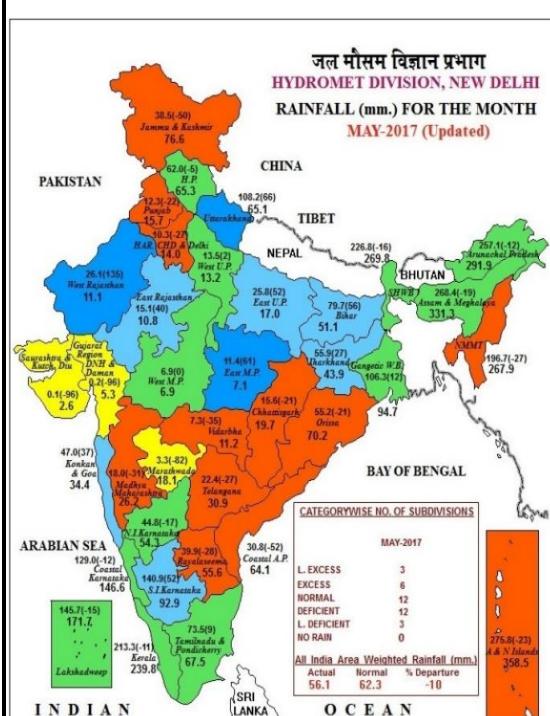


Figure 23: Rainfall map - May 2017

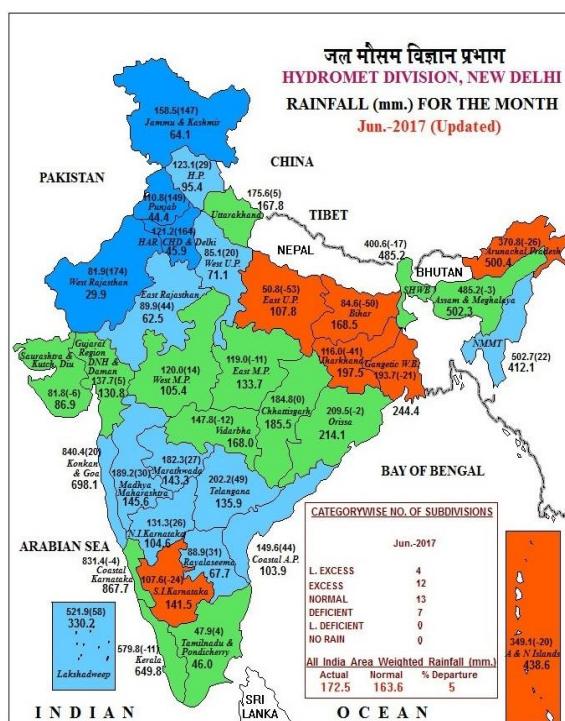


Figure 24: Rainfall map - June 2017

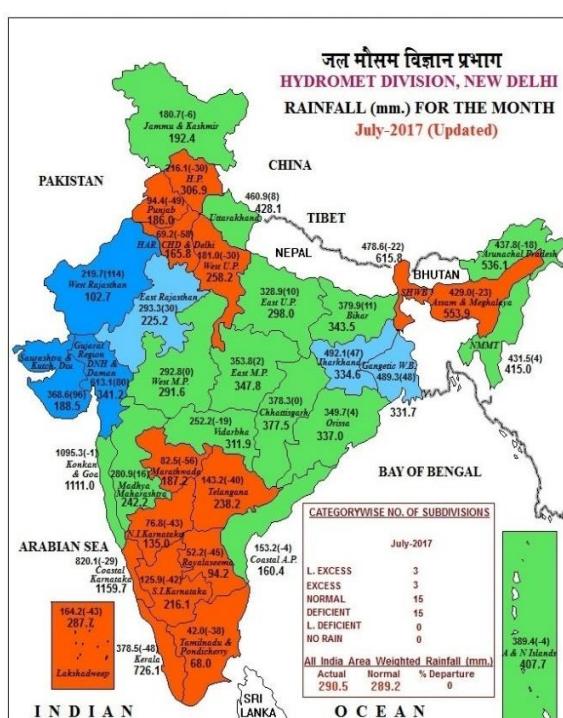


Figure 25: Rainfall map - July 2017

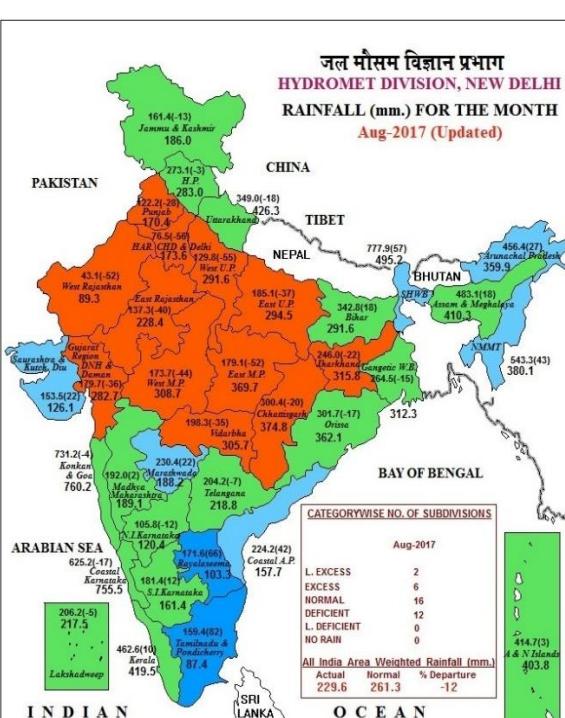


Figure 26: Rainfall map - August 2017

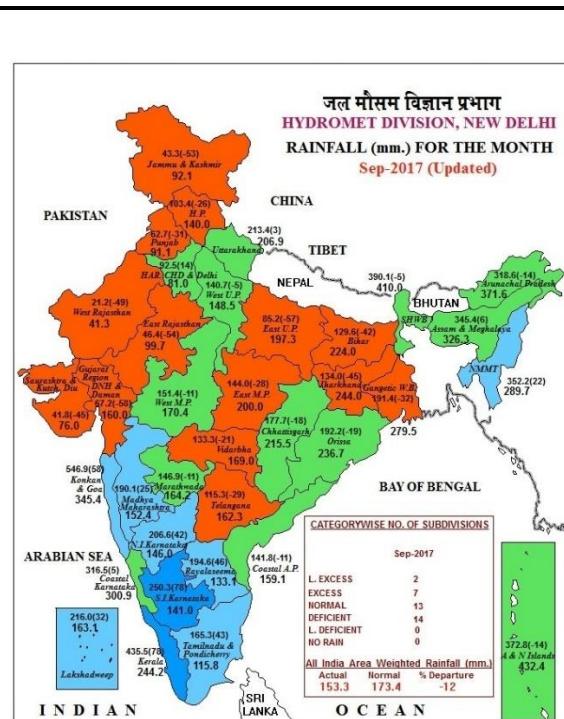


Figure 27: Rainfall map - September 2017

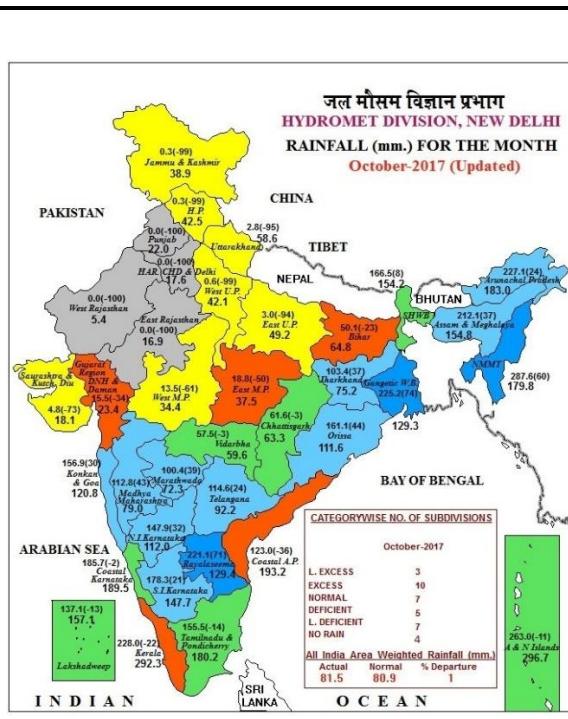


Figure 28: Rainfall map - October 2017

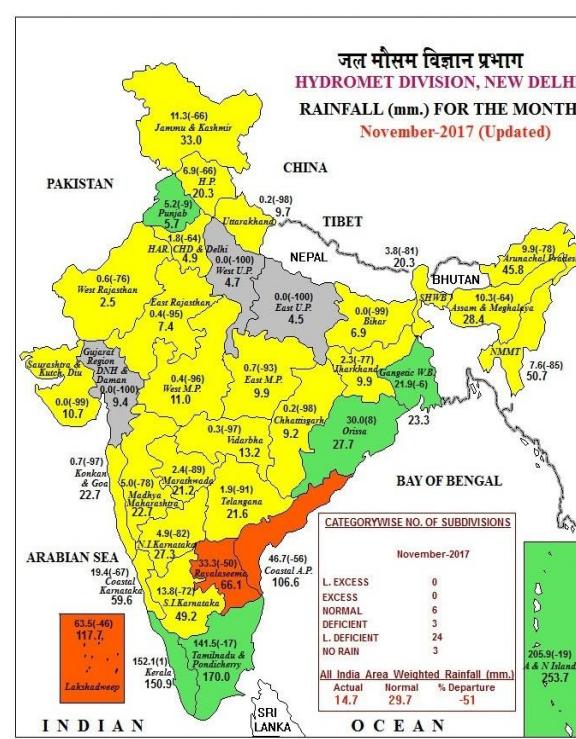


Figure 29: Rainfall map - November 2017

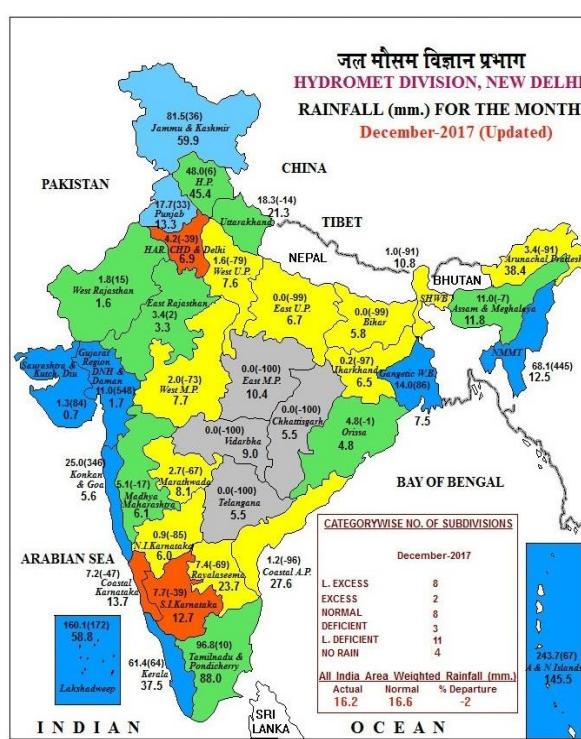


Figure 30: Rainfall map - December 2017

## MET. SUBDIVISION-WISE DAILY RAINFALL DISTRIBUTION – SW MONSOON

Daily observed rainfall distributions for each of the 36 Met. Subdivisions along with their daily rainfall normals, region-wise, have been depicted in Figure 31 to Figure 66. It can be seen from the temporal distribution of rainfall that the Met. Subdivisions of East U.P., Bihar, Jharkhand, Gangetic West Bengal, Arunachal Pradesh, S.I. Karnataka and A & N Islands experienced almost dry spells in the whole month of June. It is observed that Met. Sub divisions H.P., Punjab, Chandigarh & Delhi, West U.P., S.H. West Bengal, Marathwada, Telengana, N.I. & S.I. Karnataka, Rayalseema, Tamilnadu & Puducherry and Laksadweep experienced dry spells of rainfall during the month of July. During the month of August following met sub divisions were observed dry spells of rainfall; Jharkhand, Chattisgarh, East and West M.P., Gujrat Region, DNH & Daman, East & West Rajasthan, East & West U.P., Haryana Chandigarh & Delhi and Punjab. During the month of September following met sub divisions were faced deficient rainfall; Gangetic W.B., Jharkhand, Bihar, East U.P., East M.P., Vidarbha, Telengana, East & West Rajasthan, Punjab, H.P., J & K, Gujrat Region, DNH & Daman, and Saurastra & Kutch.

### REGION: NORTH WEST INDIA

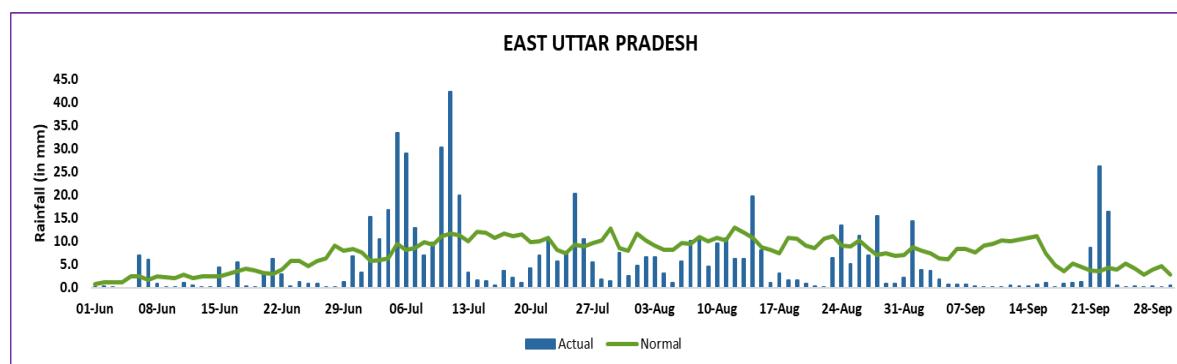


Figure 31: East Uttar Pradesh - Rainfall Distribution - SW Monsoon 2017

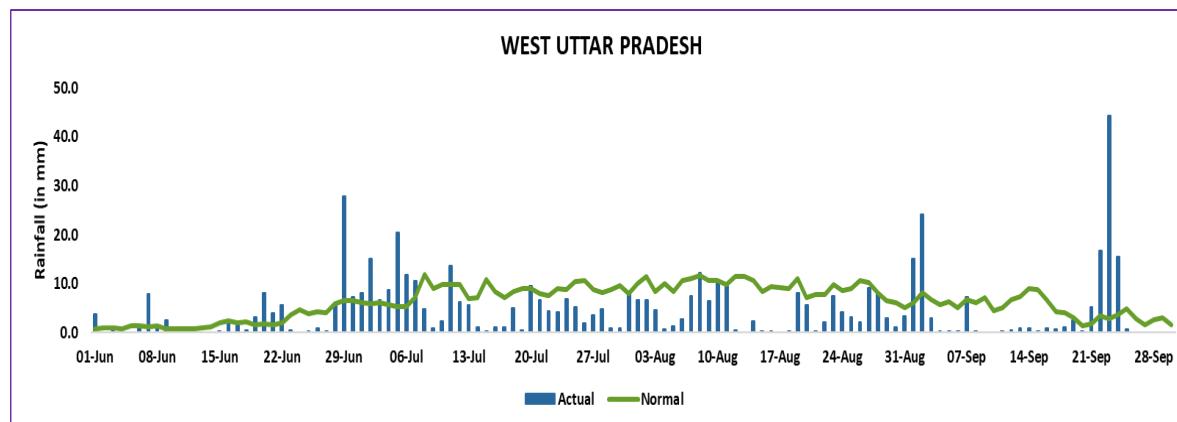
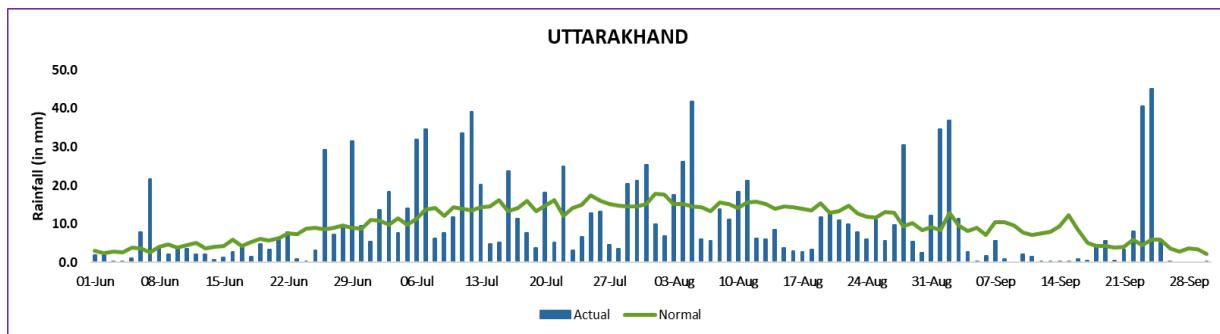
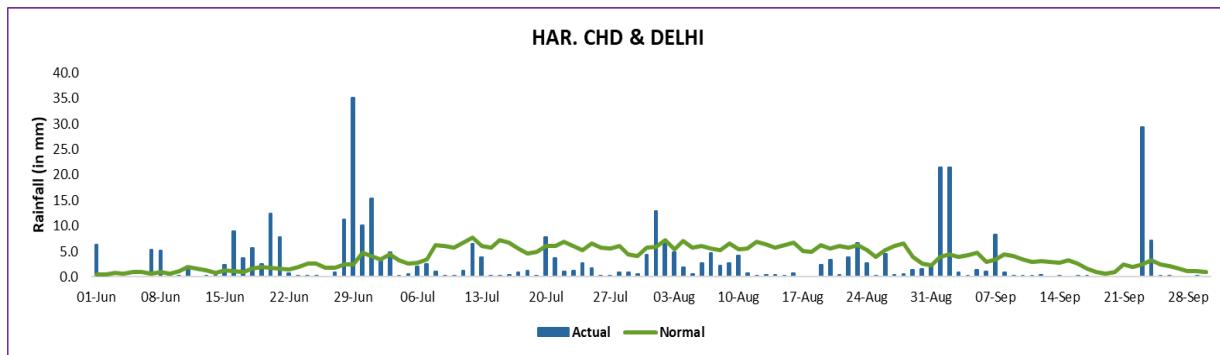


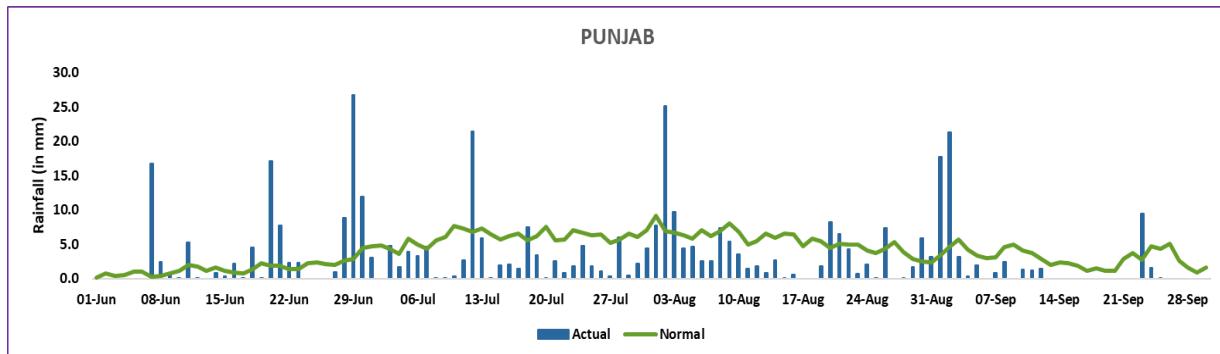
Figure 32: West Uttar Pradesh - Rainfall Distribution - SW Monsoon 2017



**Figure 33: Uttarakhand - Rainfall Distribution - SW Monsoon 2017**



**Figure 34: Haryana, Chandigarh & Delhi- Rainfall Distribution - SW Monsoon 2017**



**Figure 35: Punjab - Rainfall Distribution - SW Monsoon 2017**

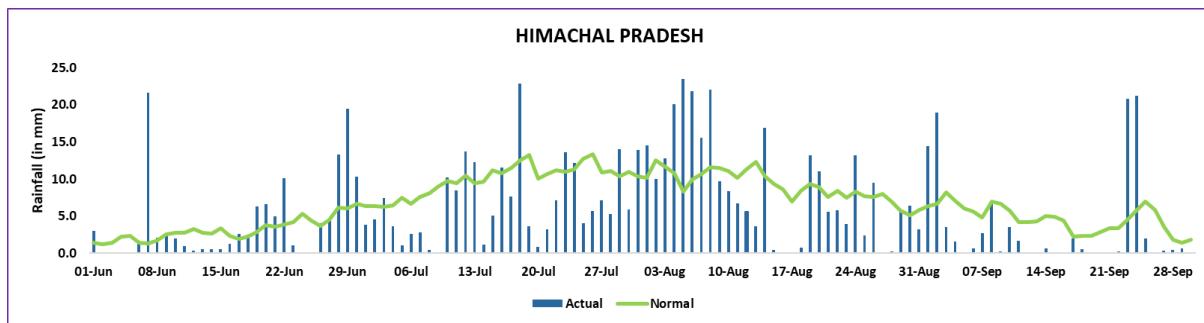


Figure 36: Himachal Pradesh - Rainfall Distribution - SW Monsoon 2017

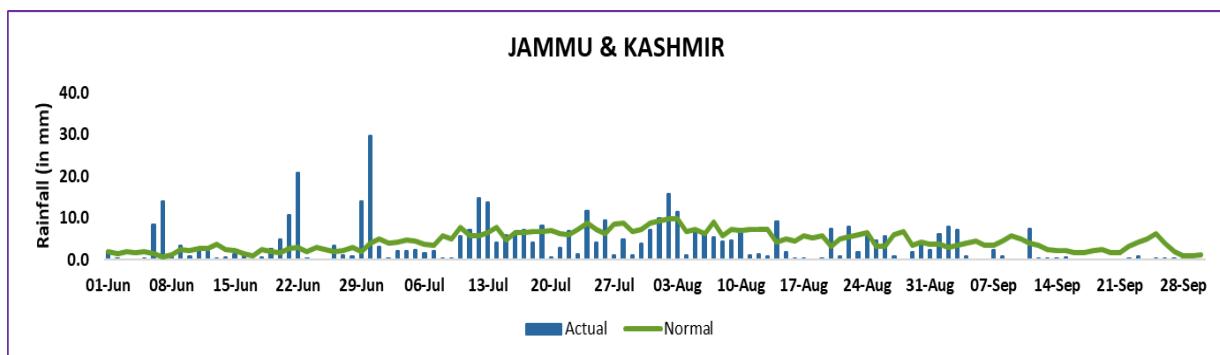


Figure 37: Jammu & Kashmir - Rainfall Distribution - SW Monsoon 2017

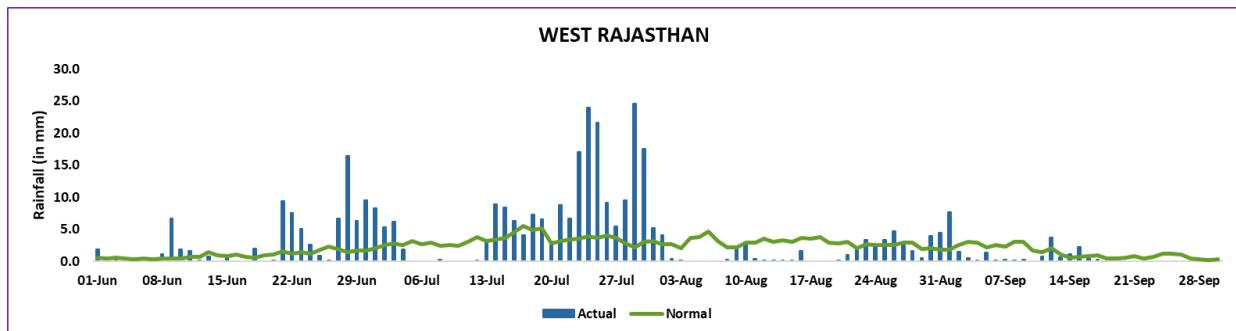


Figure 38: West Rajasthan - Rainfall Distribution - SW Monsoon 2017

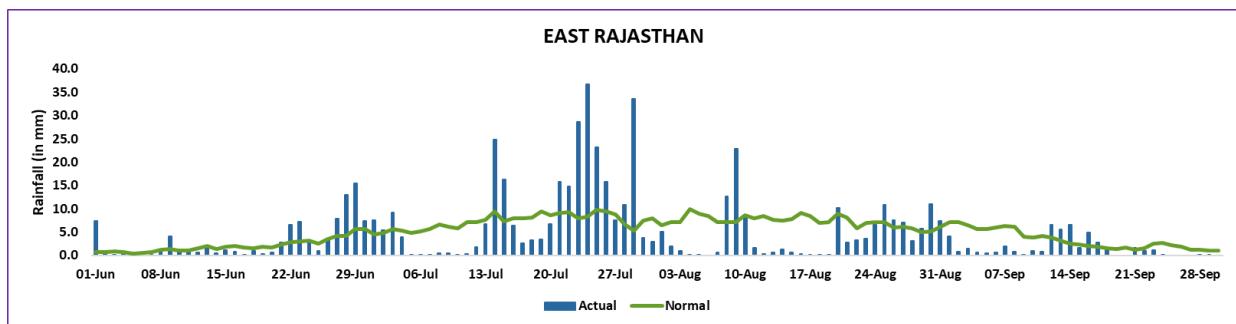
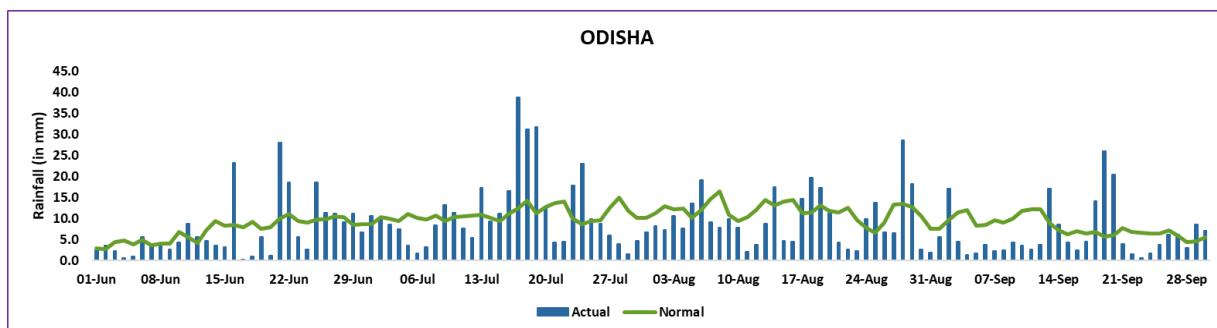
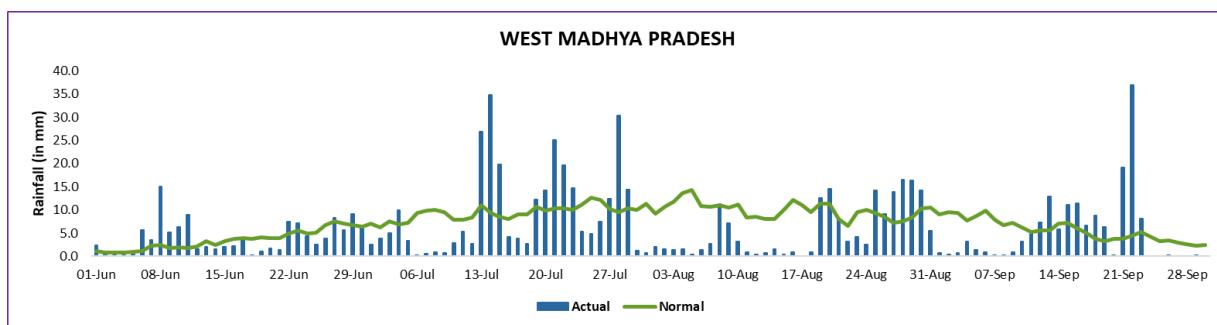


Figure 39: East Rajasthan - Rainfall Distribution - SW Monsoon 2017

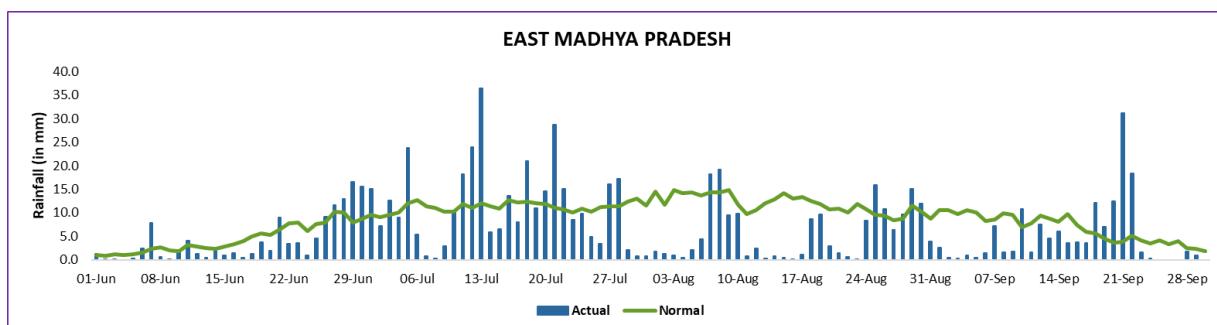
## REGION: CENTRAL INDIA



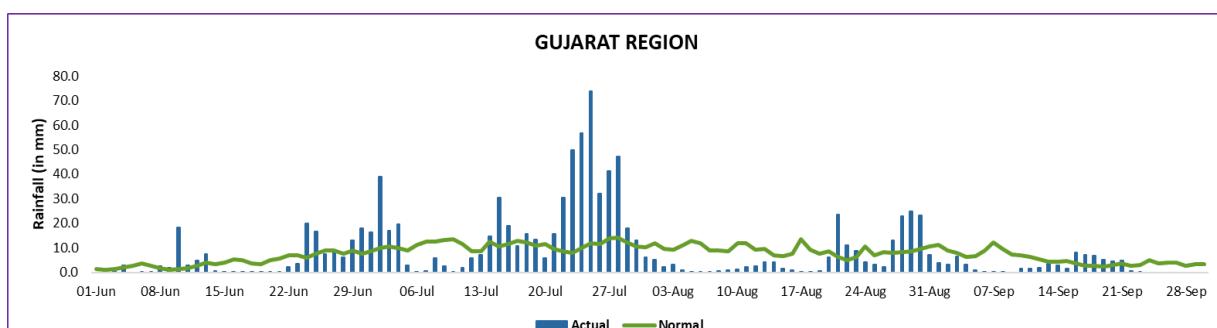
**Figure 40: Odisha - Rainfall Distribution - SW Monsoon 2017**



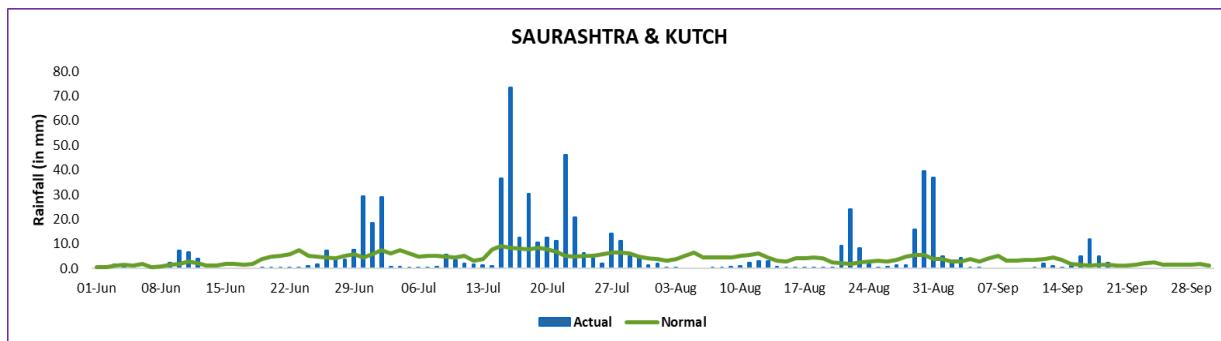
**Figure 41: West Madhya Pradesh - Rainfall Distribution - SW Monsoon 2017**



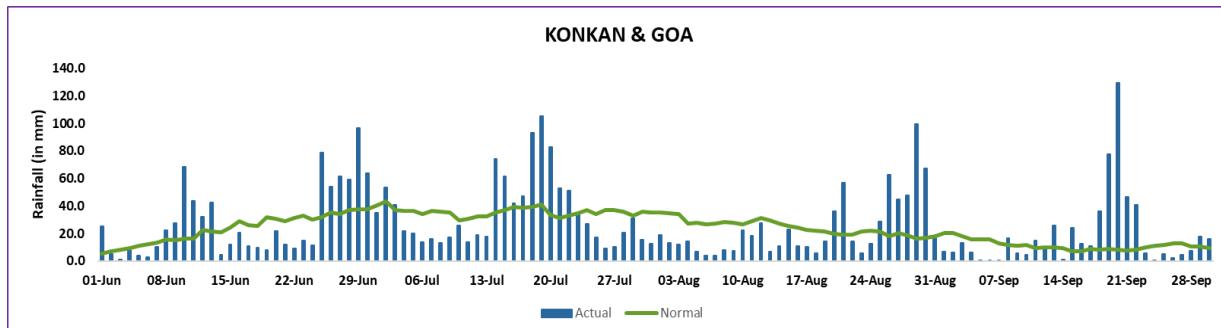
**Figure 42: East Madhya Pradesh - Rainfall Distribution - SW Monsoon 2017**



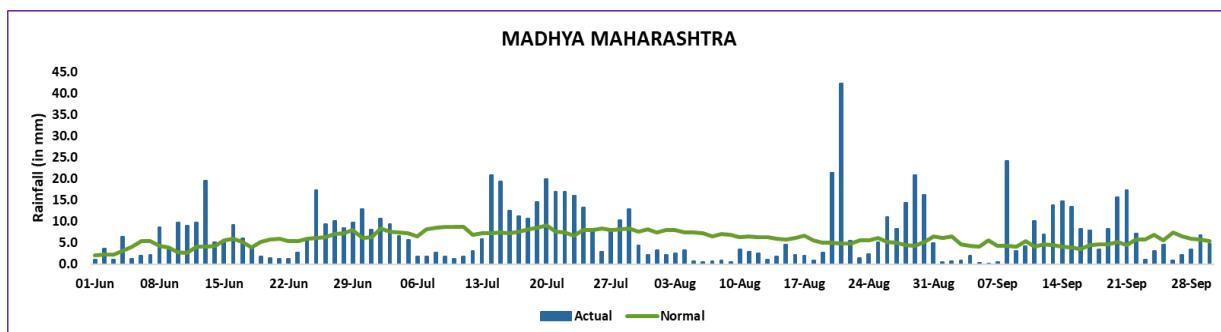
**Figure 43: Gujarat Region - Rainfall Distribution - SW Monsoon 2017**



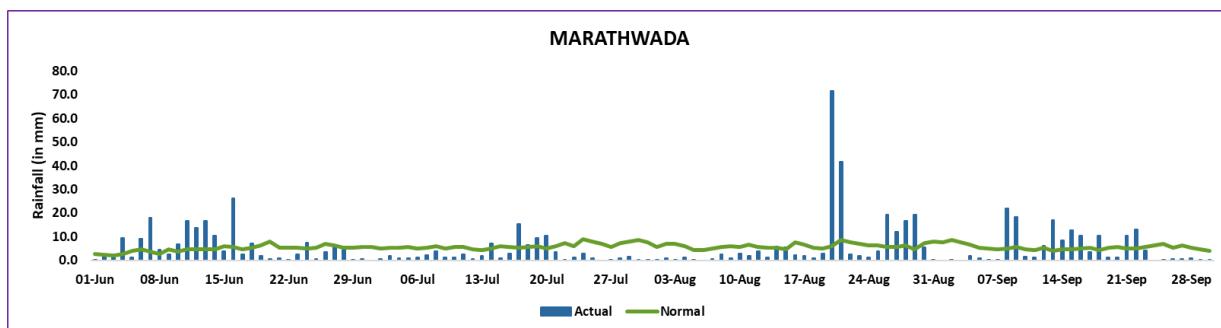
**Figure 44: Saurashtra & Kutch - Rainfall Distribution - SW Monsoon 2017**



**Figure 45: Konkan & Goa - Rainfall Distribution - SW Monsoon 2017**



**Figure 46: Madhya Maharashtra - Rainfall Distribution - SW Monsoon 2017**



**Figure 47: Marathwada - Rainfall Distribution - SW Monsoon 2017**

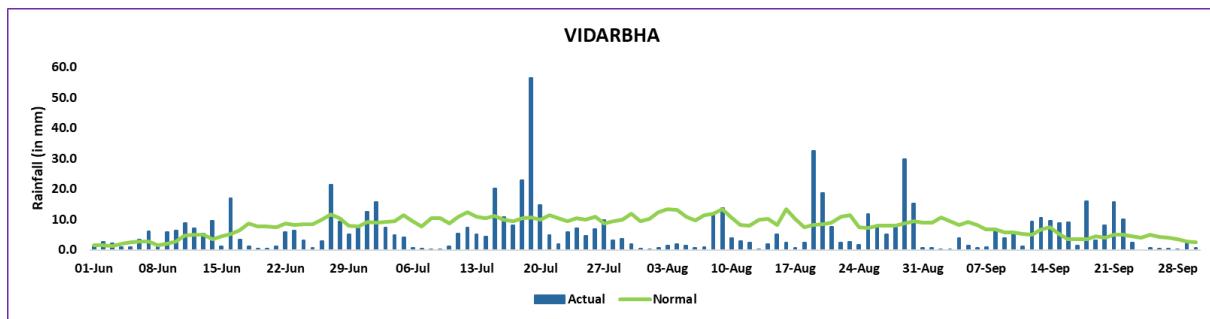


Figure 48: Vidarbha - Rainfall Distribution - SW Monsoon 2017

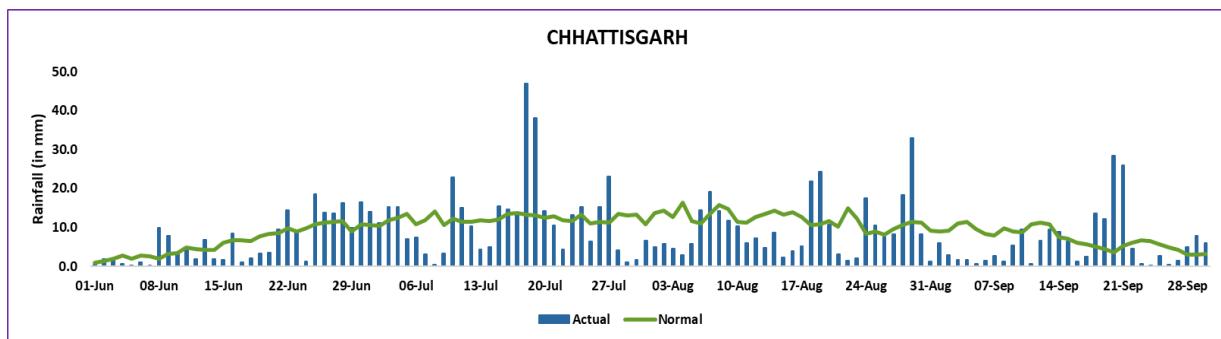


Figure 49: Chhattisgarh - Rainfall Distribution - SW Monsoon 2017

## REGION: SOUTH PENINSULA

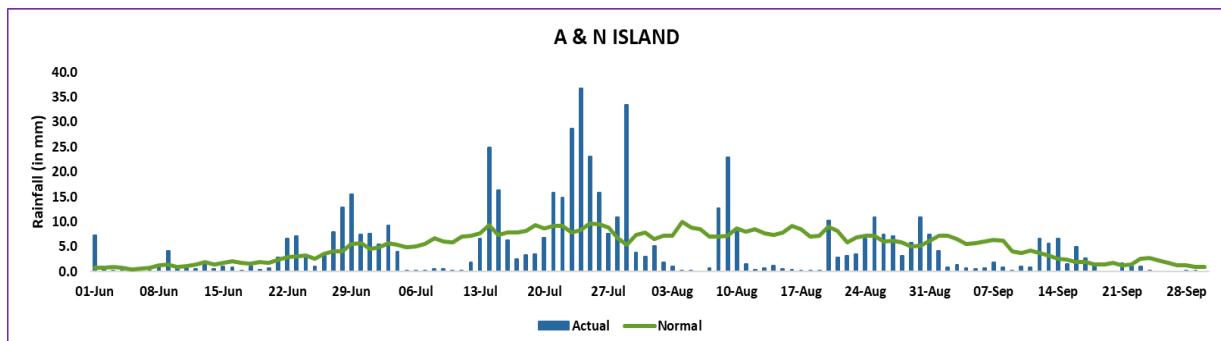


Figure 50: Andaman &amp; Nicobar Islands - Rainfall Distribution - SW Monsoon 2017

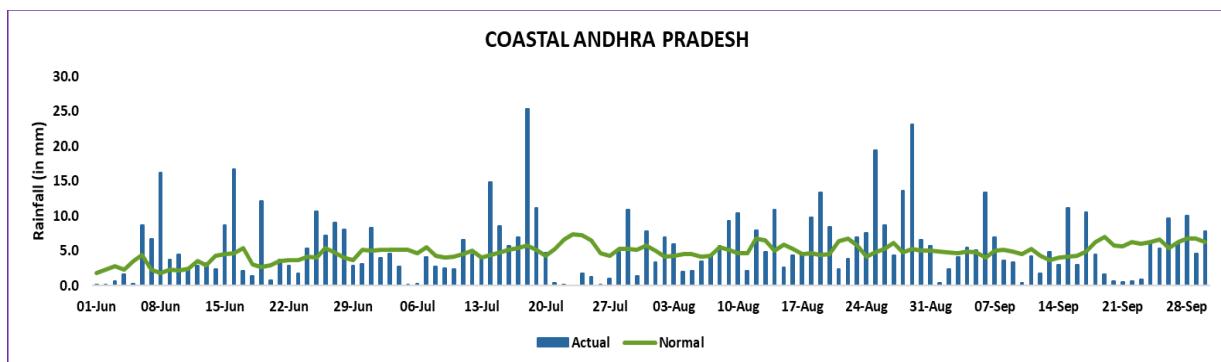
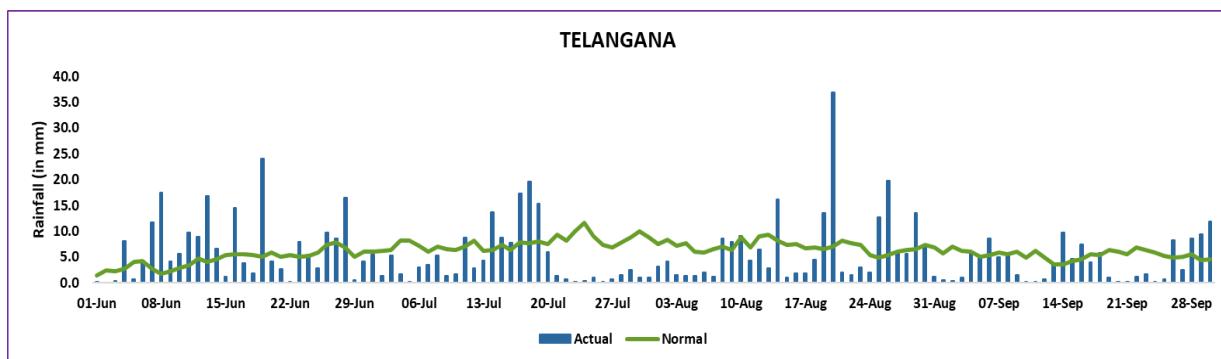
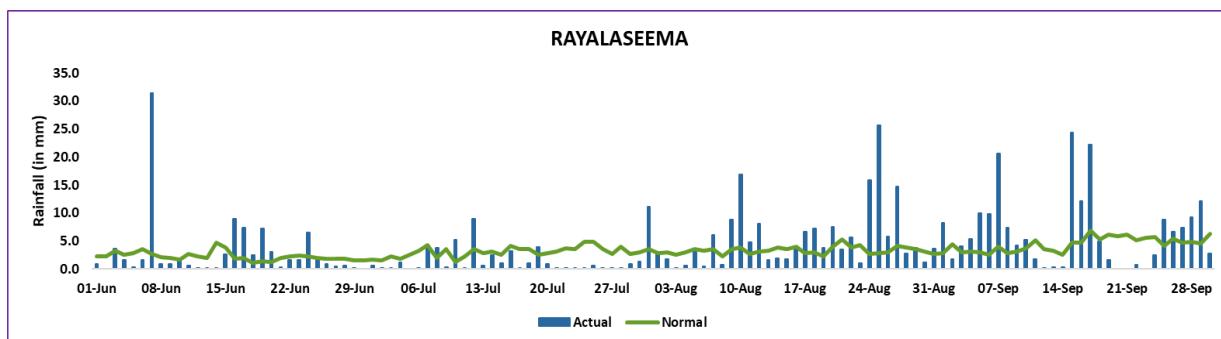


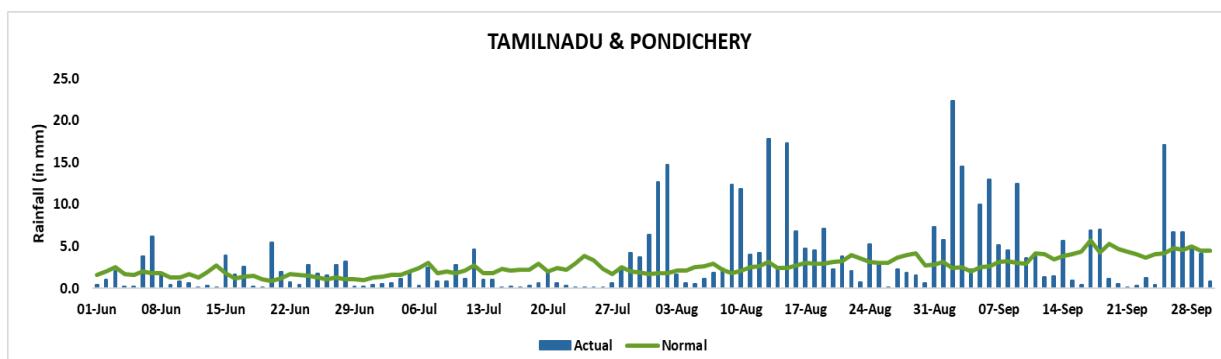
Figure 51: Coastal Andhra Pradesh - Rainfall Distribution - SW Monsoon 2017



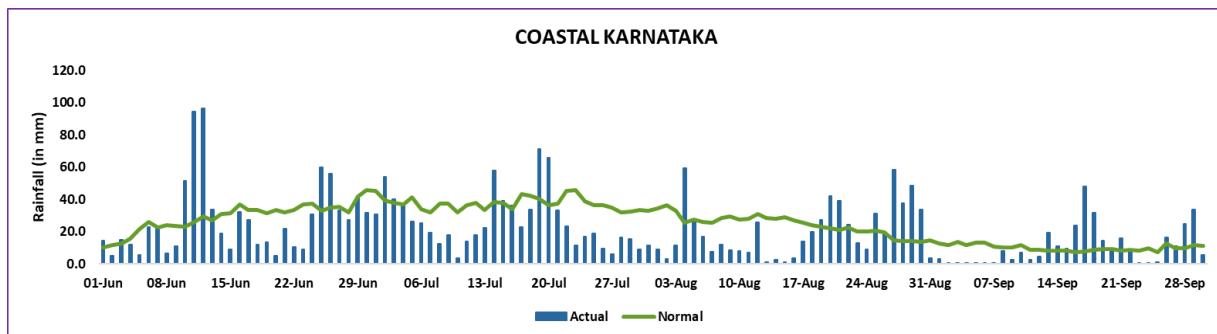
**Figure 52: Telangana - Rainfall Distribution - SW Monsoon 2017**



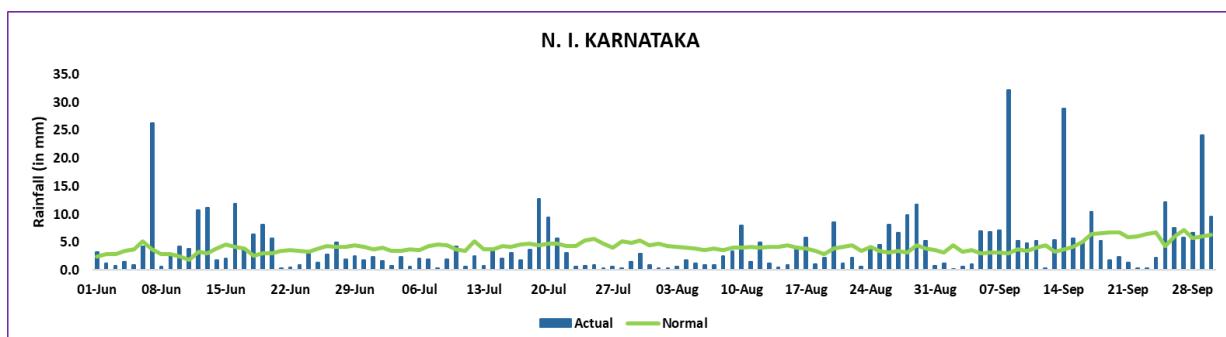
**Figure 53: Rayalaseema - Rainfall Distribution - SW Monsoon 2017**



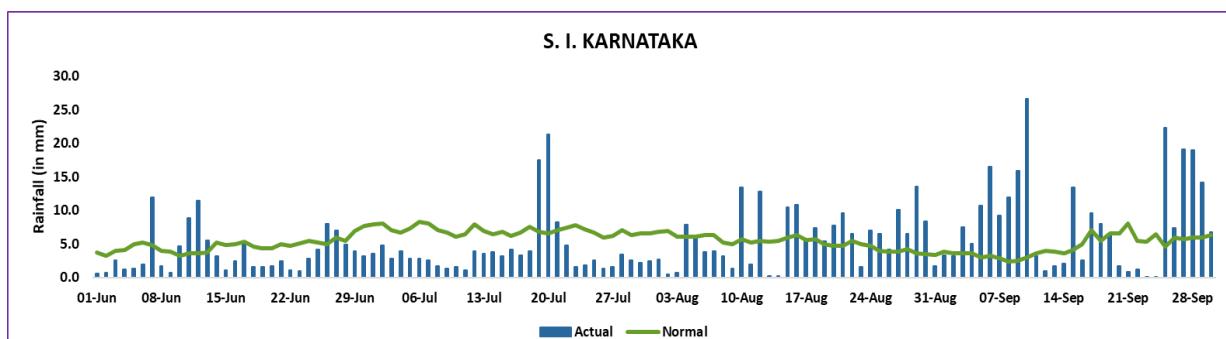
**Figure 54: Tamilnadu & Pondicherry - Rainfall Distribution - SW Monsoon 2017**



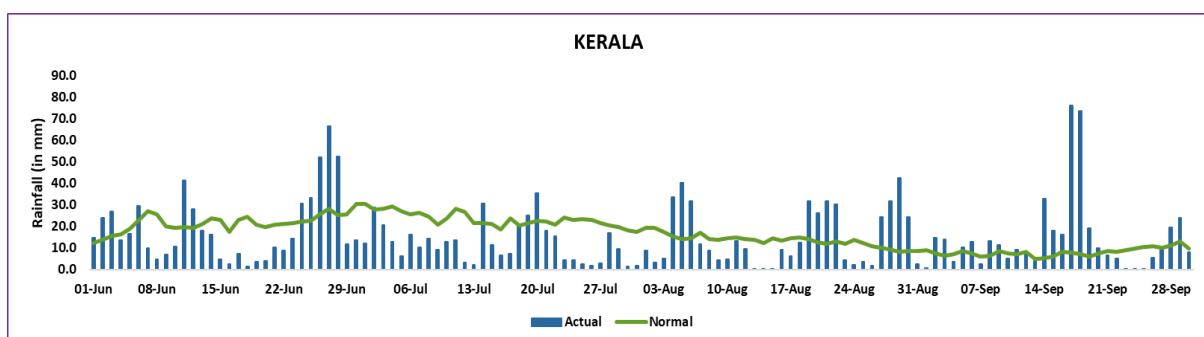
**Figure 55: Coastal Karnataka - Rainfall Distribution - SW Monsoon 2017**



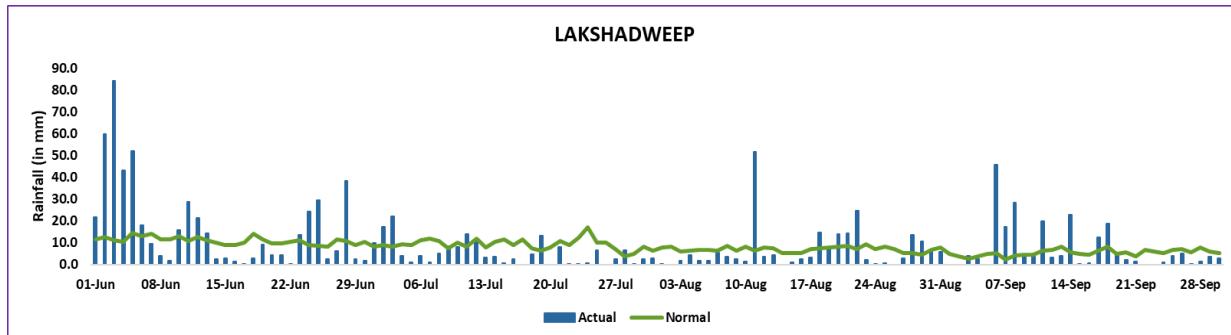
**Figure 56: North Interior Karnataka - Rainfall Distribution - SW Monsoon 2017**



**Figure 57: South Interior Karnataka - Rainfall Distribution - SW Monsoon 2017**

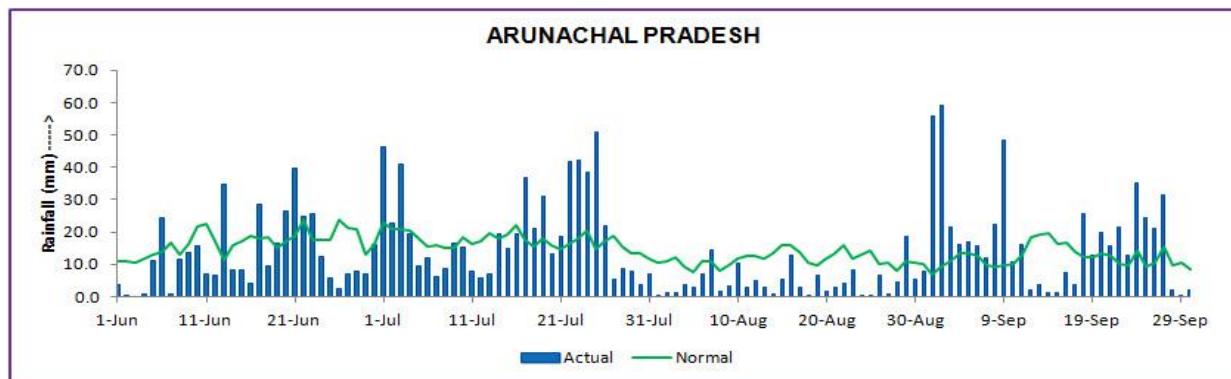


**Figure 58: Kerala - Rainfall Distribution - SW Monsoon 2017**

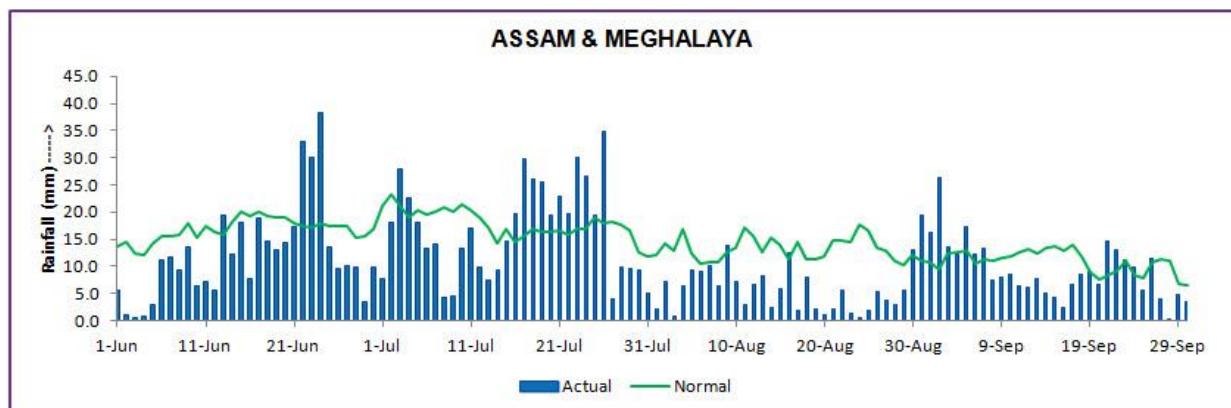


**Figure 59: Lakshadweep - Rainfall Distribution - SW Monsoon 2017**

### REGION: EAST & NORTH EAST INDIA



**Figure 60: Arunachal Pradesh - Rainfall Distribution - SW Monsoon 2017**



**Figure 61: Assam & Meghalaya - Rainfall Distribution - SW Monsoon 2017**

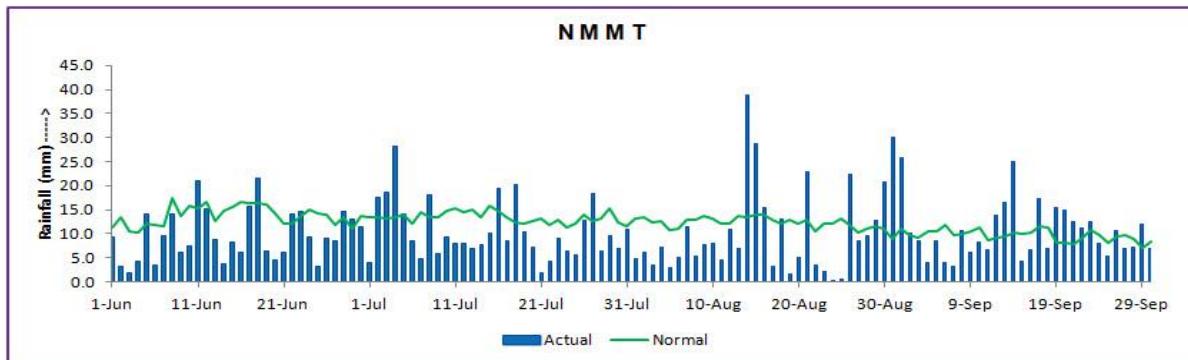


Figure 62: NMMT - Rainfall Distribution - SW Monsoon 2017

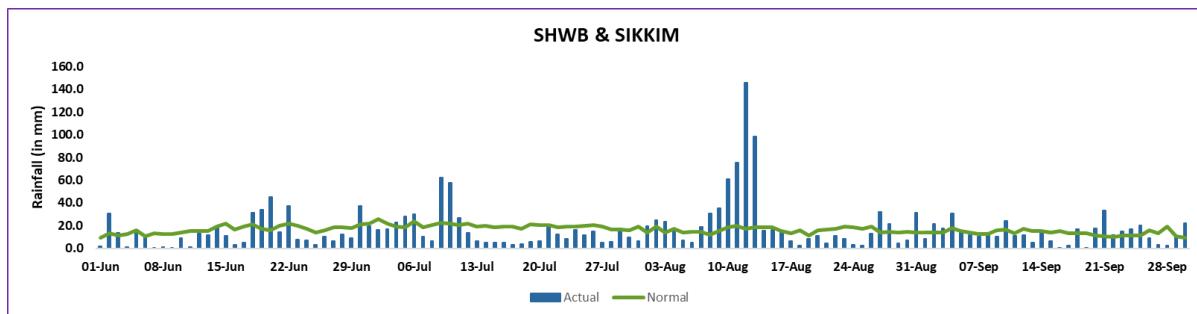


Figure 63: Sub Himalayan West Bengal & Sikkim - Rainfall Distribution - SW Monsoon 2017

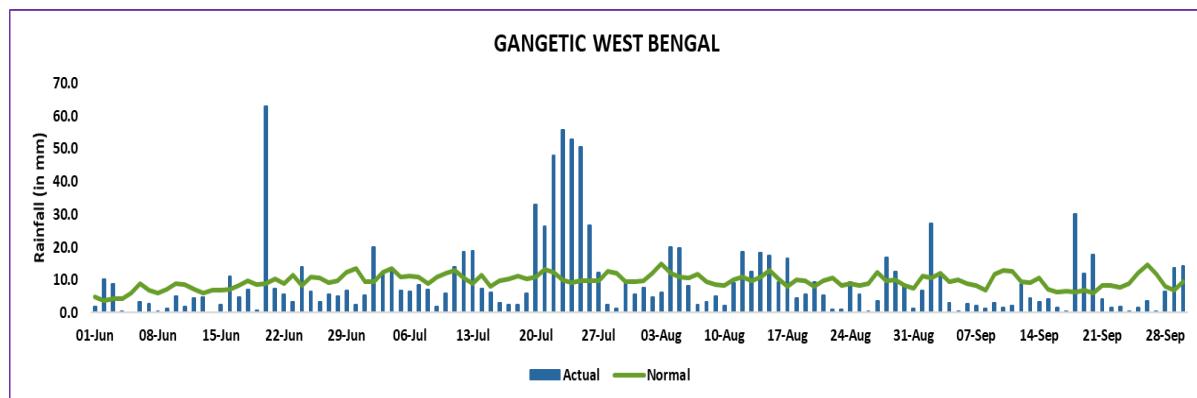
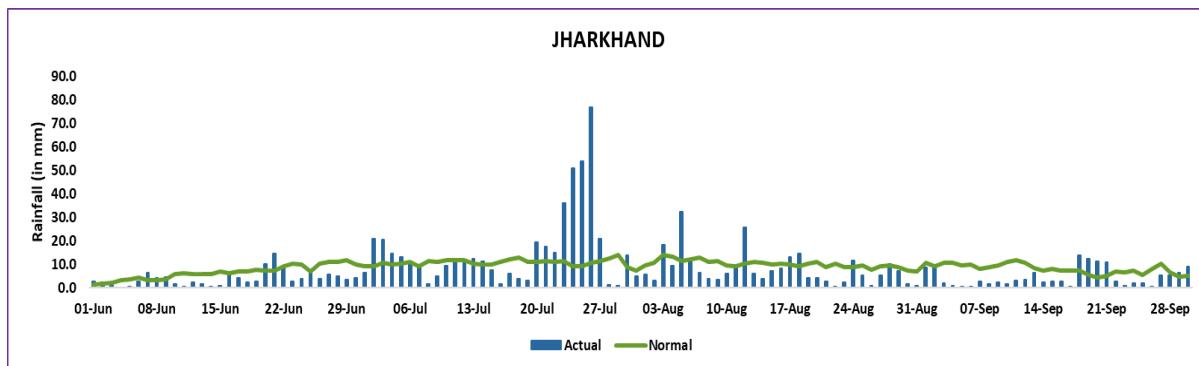
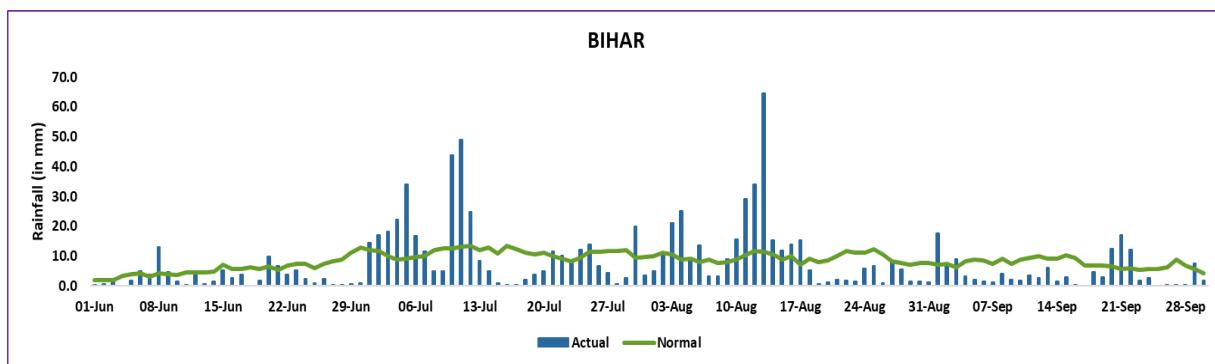


Figure 64: Gangetic West Bengal - Rainfall Distribution - SW Monsoon 2017



**Figure 65: Jharkhand - Rainfall Distribution - SW Monsoon 2017**



**Figure 66: Bihar - Rainfall Distribution - SW Monsoon 2017**

## STATE-WISE SEASONAL & ANNUAL RAINFALL STATISTICS

Statewise seasonal and annual observed rainfall, and its percentage departure from normal rainfall for the states have been given in Table 15. It may be observed that during 2017, highest rainfall of 4472.4 mm was received at Meghalaya and the lowest rainfall of 417.0 mm was received at Haryana. However, on comparing with Normal rainfall, it may be seen that, Mizoram was with the highest positive departure in rainfall of 47% from its normal where as Uttar Pradesh remained with highest negative departure of 32% of its normal rainfall. Meghalaya recorded departure of positive 17% in rainfall and Haryana remained at negative 25% deficiency in rainfall.

**Table 15: State-wise Seasonal and Annual Rainfall (mm) - Year 2017**

STATES	WINTER	PRE-MONSOON	SW MONSOON	POST-MONSOON	ANNUAL
A & N ISLAND (UT)	234.2	417.1	1526.0	712.6	2890.0
ARUNACHAL PRADESH	94.4	827.0	1583.5	240.3	2745.3
ASSAM	41.6	654.4	1482.2	220.2	2398.3
MEGHALAYA	32.4	913.8	3200.7	325.5	4472.4
NAGALAND	2.6	417.4	1087.8	214.2	1722.0
MANIPUR	23.6	405.7	947.7	402.9	1780.0
MIZORAM	5.3	554.7	2967.5	338.4	3865.8

STATES	WINTER	PRE-MONSOON	SW MONSOON	POST-MONSOON	ANNUAL
TRIPURA	20.2	920.0	1926.1	460.5	3326.8
SIKKIM	29.2	669.0	1997.1	178.3	2873.7
WEST BENGAL	1.6	223.4	1366.6	238.4	1830.0
ODISHA	1.7	93.8	1053.1	195.9	1344.5
JHARKHAND	5.2	66.6	988.2	105.9	1165.8
BIHAR	0.7	124.3	936.8	50.2	1112.0
UTTAR PRADESH	15.0	28.8	605.6	2.7	652.1
UTTARAKHAND	50.1	205.6	1199.0	21.3	1476.0
HARYANA	34.1	20.9	355.9	6.0	417.0
CHANDIGARH (UT)	138.6	38.2	752.8	14.8	944.4
DELHI	38.8	47.5	442.6	4.8	533.7
PUNJAB	45.5	39.1	390.1	22.9	497.5
HIMACHAL PRADESH	204.0	207.3	715.7	55.2	1182.2
JAMMU & KASHMIR	361.8	280.1	543.9	93.1	1278.9
RAJASTHAN	7.2	28.2	454.9	3.0	493.3
MADHYA PRADESH	8.6	10.6	763.1	17.5	799.9
GUJARAT	0.1	0.2	799.6	15.1	815.0
DADRA & NAGAR HAVELI (UT)		1.9	3050.7		
DAMAN & DIU (UT)	0.0	0.0	1960.6	52.5	2013.1
GOA	0.0	54.0	2560.9	157.7	2772.6
MAHARASHTRA	0.1	17.6	1007.2	104.6	1129.6
CHHATISGARH	1.6	19.8	1041.2	61.8	1124.4
ANDHRA PRADESH	2.2	56.0	601.0	209.1	868.3
TELANGANA	0.0	34.3	664.9	116.4	815.7
TAMILNADU	38.1	126.3	414.6	391.9	970.9
PUDUCHERRY (UT)	132.2	79.2	389.9	981.2	1582.5
KARNATAKA	2.5	134.3	793.1	181.8	1111.6
KERALA	13.0	353.9	1856.5	441.5	2664.9
LAKSHADWEEP (UT)	22.2	247.8	1108.3	360.7	1738.9

It may be observed (Table 16) that the states of Punjab, U.P., Haryana, M.P. remained in Deficient/Large Deficient category of rainfall at least for three of the seasons as well as annually. None of the states recorded Excess/Normal rainfall for all the seasons. During SW Monsoon season following states recorded Excess/Large rainfall; Mizoram, Tripura, Daman & Diu (UT), Tamilnadu and Dadra & Nagar Haveli.

**Table 16: % Departure of State-wise Seasonal and Annual Rainfall - Year 2017**

STATES	WINTER	PRE-MONSOON	SW MONSOON	POST-MONSOON	ANNUAL
A & N ISLAND (UT)	183%	-10%	-9%	2%	-1%
ARUNACHAL PRADESH	-36%	10%	-10%	-10%	-6%
ASSAM	-14%	18%	-3%	30%	4%
MEGHALAYA	-19%	27%	15%	11%	17%
NAGALAND	-94%	1%	-18%	27%	-12%
MANIPUR	-49%	13%	-33%	74%	-13%
MIZORAM	-86%	-2%	74%	7%	47%
TRIPURA	-55%	30%	29%	99%	34%

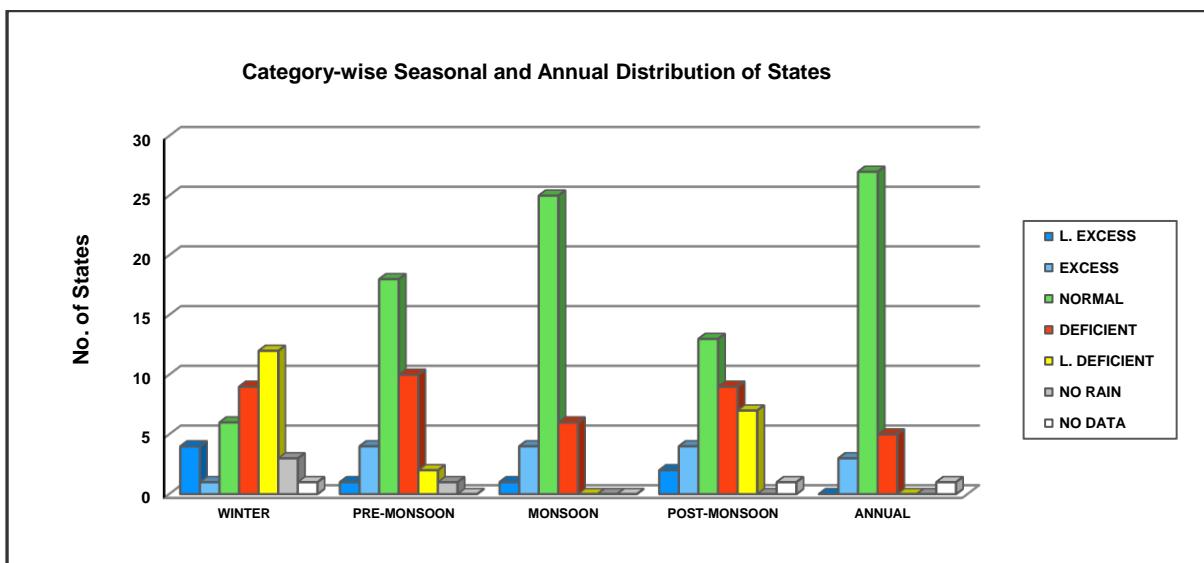
STATES	WINTER	PRE-MONSOON	SW MONSOON	POST-MONSOON	ANNUAL
SIKKIM	-80%	-8%	11%	-40%	-3%
WEST BENGAL	-95%	4%	-2%	52%	2%
ODISHA	-95%	-30%	-8%	36%	-8%
JHARKHAND	-84%	-16%	-9%	16%	-10%
BIHAR	-97%	60%	-9%	-35%	-8%
UTTAR PRADESH	-51%	-5%	-28%	-95%	-32%
UTTARAKHAND	-53%	32%	-2%	-76%	-7%
HARYANA	5%	-38%	-23%	-79%	-25%
CHANDIGARH (UT)	67%	-51%	-11%	-77%	-12%
DELHI	19%	9%	-30%	-86%	-29%
PUNJAB	-8%	-27%	-21%	-44%	-22%
HIMACHAL PRADESH	4%	-15%	-13%	-49%	-14%
JAMMU & KASHMIR	70%	-14%	2%	-29%	6%
RAJASTHAN	-21%	57%	9%	-83%	6%
MADHYA PRADESH	-63%	-41%	-20%	-68%	-24%
GUJARAT	-93%	-97%	19%	-52%	15%
DADRA & NAGAR HAVELI (UT)		-79%	41%		
DAMAN & DIU (UT)	-100%	-100%	21%	0%	20%
GOA	-100%	-43%	-14%	-21%	-15%
MAHARASHTRA	-99%	-47%	0%	2%	-2%
CHHATISGARH	-92%	-58%	-10%	-21%	-13%
ANDHRA PRADESH	-83%	-38%	19%	-26%	-2%
TELANGANA	-100%	-40%	-12%	-2%	-13%
TAMILNADU	24%	-2%	31%	-10%	6%
PUDUCHERRY (UT)	133%	14%	10%	8%	14%
KARNATAKA	-34%	9%	-5%	-3%	-3%
KERALA	-46%	-7%	-9%	-8%	-9%
LAKSHADWEEP (UT)	-38%	7%	11%	8%	9%

### Category-wise Seasonal and Annual distribution of number of States:

Annual rainfall statistics for the year 2017 show that 3 in excess, 27 states remained in Normal, 5 in deficient category of rainfall. Rainfall data for the states of Dadra & Nagar Haveli was available during the Pre-Monsoon and SW Monsoon season. The statistics and chart depicting the number of states in different categories for different seasons and for the year have been given at Table 17 and Figure 67 respectively.

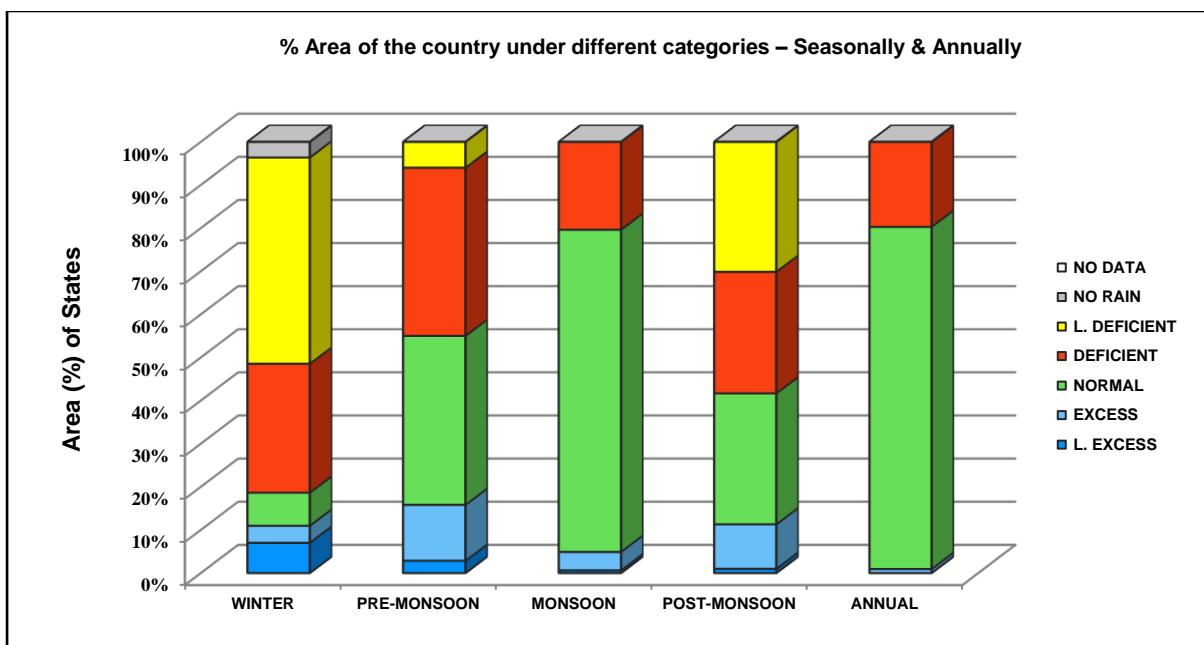
**Table 17: Category-wise Number of States - Seasonally and Annually - Year 2017**

CATEGORY	WINTER	PRE-MONSOON	SW MONSOON	POST-MONSOON	ANNUAL
L. EXCESS	4	1	1	2	0
EXCESS	1	4	4	4	3
NORMAL	6	18	25	13	27
DEFICIENT	9	10	6	9	5
L. DEFICIENT	12	2	0	7	0
NO RAIN	3	1	0	0	0
NO DATA	1	0	0	1	1



**Figure 67: 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 68.



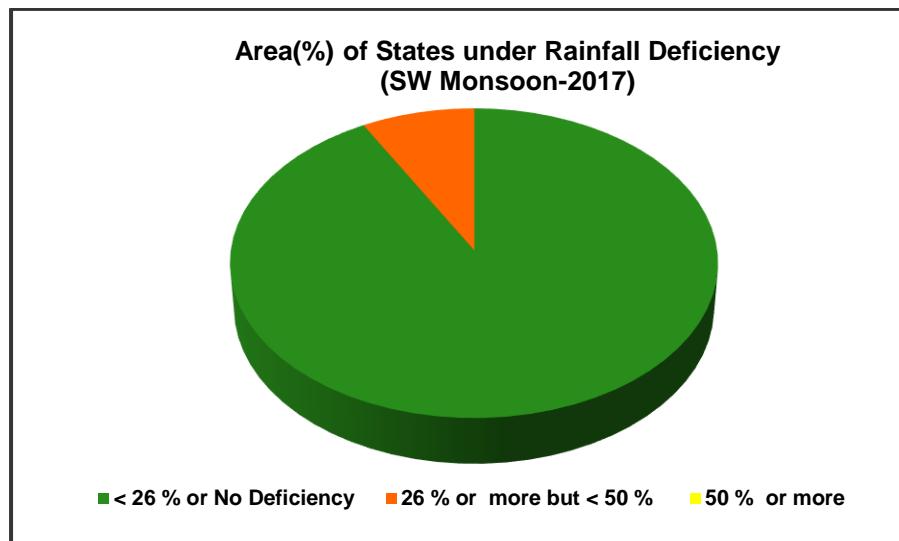
**Figure 68: % Area of the country under different categories – Seasonally & Annually**

## AREA (%) OF STATES UNDER RAINFALL DEFICIENCY – SW Monsoon 2017

Area (%) of the 36 states and UTs of India under different categories of rainfall deficiency during SW Monsoon (June-September) have been given below in tabular form in Table 18 and has been depicted in graphical form in Figure 69 as well. During SW Monsoon season 2017, No state of the country experienced rainfall deficiency of 50% or more.

**Table 18: Area (%) of States of the country under Rainfall Deficiency – SW Monsoon 2017**

Deficiency in Rainfall	Deficiency	% Area of States of India
< 26 %	No	92%
26 % or more but < 50 %	Moderate	8%
50 % or more	Severe	0%



**Figure 69: Area(%) of States under Rainfall Deficiency – SW Monsoon 2017**

## STATE-WISE MONTHLY RAINFALL STATISTICS

Statewise monthly observed rainfall (mm) for the states have been given in Table 19. During SW Monsoon season monthly highest rainfall occurred 1295.6mm over the state of Dadra & Nagar Haveli (UT) in the month of July and minimum rainfall occurred 32.3mm over the state Rajasthan in the month of September. Statewise monthly percentage departure of monthly rainfall for the states from their normal rainfall have been given in Table 20. It is observed that in the month of February, all the state/UTs remained in Deficient/ Large Deficient/ No Rain category of rainfall (except Jammu & Kashmir, Arunachal Pradesh and Meghalaya remained Normal/ Excess). The situation was also worse in the month of November, Central and South India (except for Odisha, Tamil Nadu, Puducherry(UT), Kerala and A & N Island(UT)), states of North East and North West India (except Punjab) also experienced deficient, large deficient or no rains. The states of Gujarat, Daman & Diu (UT), Goa,

Maharashtra, Chhattisgarh, Andhra Pradesh remain in Deficient/ Large Deficient/ No Rain category, continuously for five months of the year from January to May, and also in November.

**Table 19: State-wise Monthly Rainfall (mm) - Year 2017**

STATES	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUGT	SEP	OCT	NOV	DEC
A & N ISLAND (UT)	228.7	5.6	33.0	108.3	275.8	349.1	389.4	414.7	372.8	263.0	205.9	243.7
ARUNACHAL PRADESH	8.2	86.2	221.8	348.2	257.1	370.8	437.8	456.4	318.6	227.1	9.9	3.4
MEGHALAYA	3.7	28.7	130.4	432.0	351.3	1001.6	660.9	1001.5	536.7	304.1	11.9	9.5
NAGALAND	1.9	0.8	95.9	156.4	165.1	272.1	318.9	257.8	239.0	173.9	8.5	31.8
MANIPUR	1.1	22.5	87.5	178.7	139.5	150.0	189.2	279.7	328.9	297.3	2.9	102.7
MIZORAM	0.3	5.0	100.5	284.6	169.5	744.3	709.4	1034.1	479.7	280.1	12.9	45.4
TRIPURA	0.0	20.2	211.5	441.6	267.0	654.3	408.8	513.7	349.3	359.1	2.6	98.7
SIKKIM	8.4	20.8	185.7	246.2	237.2	481.3	508.0	546.8	460.9	168.7	9.6	0.0
WEST BENGAL	1.4	0.2	40.6	47.6	135.2	238.2	484.3	409.4	234.7	210.6	17.0	10.8
ODISHA	1.7	0.0	29.8	8.7	55.2	209.5	349.7	301.7	192.2	161.1	30.0	4.8
JHARKHAND	5.1	0.1	4.5	6.1	55.9	116.0	492.1	246.0	134.0	103.4	2.3	0.2
BIHAR	0.7	0.0	22.8	21.8	79.7	84.6	379.9	342.8	129.6	50.1	0.0	0.0
UTTAR PRADESH	14.6	0.5	6.0	1.8	21.0	64.2	271.0	163.4	106.9	2.0	0.0	0.7
UTTARAKHAND	36.6	13.5	44.5	52.8	108.2	175.6	460.9	349.0	213.4	2.8	0.2	18.3
HARYANA	33.8	0.3	7.2	3.7	10.1	121.8	67.7	74.7	91.8	0.0	1.8	4.2
CHANDIGARH (UT)	137.0	1.6	22.0	10.5	5.7	103.1	195.2	309.4	145.1	0.0	0.0	14.8
DELHI	38.8	0.0	8.7	22.8	16.0	103.8	109.7	117.0	112.1	0.0	0.1	4.7
PUNJAB	42.4	3.0	14.5	12.3	12.3	110.8	94.4	122.2	62.7	0.0	5.2	17.7
HIMACHAL PRADESH	157.6	46.3	57.4	88.0	62.0	123.1	216.1	273.1	103.4	0.3	6.9	48.0
JAMMU & KASHMIR	255.5	106.4	85.0	156.7	38.5	158.5	180.7	161.4	43.3	0.3	11.3	81.5
RAJASTHAN	7.0	0.2	4.8	2.2	21.2	85.5	252.3	84.8	32.3	0.0	0.5	2.5
MADHYA PRADESH	4.6	4.0	1.7	0.1	8.8	119.6	319.3	176.1	148.2	15.8	0.6	1.2
GUJARAT	0.0	0.0	0.0	0.0	0.1	105.3	477.8	163.8	52.7	9.4	0.0	5.7
DADRA & NAGAR HAVELI (UT)			0.0	0.0	1.9	748.7	1295.6	700.4	306.0	121.9		
DAMAN & DIU (UT)	0.0	0.0	0.0	0.0	0.0	494.4	872.6	496.5	97.1	44.3	0.0	8.2
GOA	0.0	0.0	0.0	0.0	54.0	806.5	833.5	510.6	410.2	148.8	0.6	8.3
MAHARASHTRA	0.1	0.0	3.1	0.3	14.2	238.4	312.3	257.2	199.3	97.0	2.5	5.1
CHHATISGARH	0.9	0.7	3.5	0.8	15.6	184.8	378.3	300.4	177.7	61.6	0.2	0.0
ANDHRA PRADESH	2.2	0.0	12.5	8.8	34.7	124.1	110.8	202.1	164.0	164.2	41.0	3.8
TELANGANA	0.0	0.0	8.7	3.2	22.4	202.2	143.2	204.2	115.3	114.6	1.9	0.0
TAMILNADU	37.0	1.1	35.3	17.3	73.7	47.9	41.8	159.4	165.5	155.2	140.2	96.5
PUDUCHERRY (UT)	132.2	0.0	71.3	0.0	7.9	57.3	95.3	147.0	90.2	257.2	521.1	202.9
KARNATAKA	2.5	0.0	12.9	21.6	99.8	188.1	173.2	193.2	238.6	166.4	10.6	4.8
KERALA	12.7	0.3	87.8	52.8	213.3	579.8	378.5	462.6	435.5	228.0	152.1	61.4
LAKSHADWEEP (UT)	21.3	0.9	100.2	1.8	145.7	521.9	164.2	206.2	216.0	137.1	63.5	160.1

Table20: % Departure of State-wise monthly rainfall - Year 2017

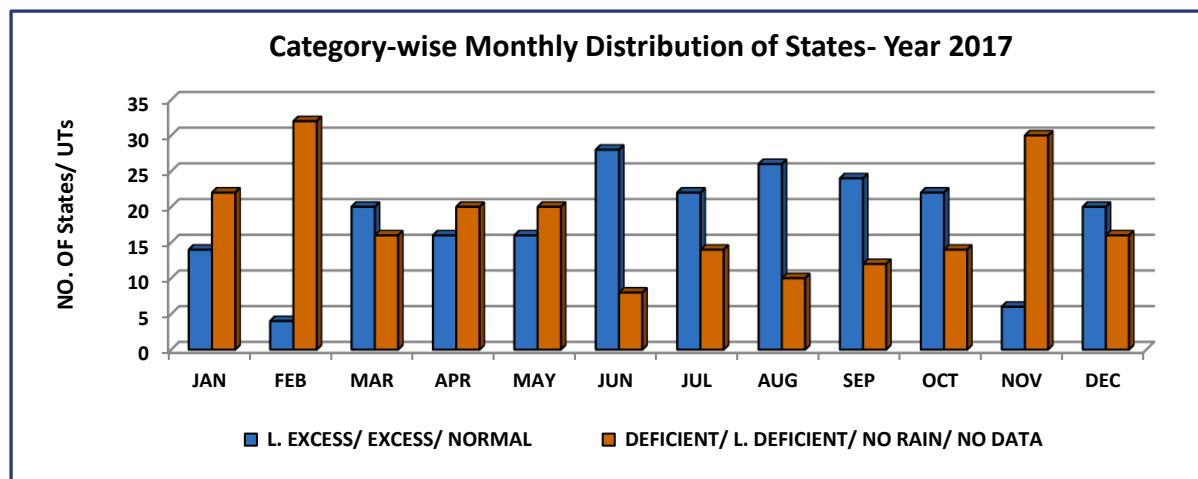
STATES	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUGT	SEP	OCT	NOV	DEC
A & N ISLAND (UT)	326%	-81%	32%	33%	-23%	-20%	-4%	3%	-14%	-11%	-19%	67%
ARUNACHAL PRADESH	-84%	-12%	23%	25%	-12%	-26%	-18%	27%	-14%	24%	-78%	-91%
MEGHALAYA	-77%	20%	73%	106%	-19%	28%	-28%	65%	13%	28%	-72%	-20%
NAGALAND	-90%	-97%	53%	15%	-23%	-21%	-21%	-27%	4%	44%	-78%	218%
MANIPUR	-92%	-30%	52%	50%	-23%	-64%	-50%	-19%	26%	75%	-94%	786%
MIZORAM	-97%	-82%	6%	91%	-47%	71%	56%	133%	28%	19%	-80%	209%
TRIPURA	-100%	-40%	125%	98%	-32%	41%	0%	45%	34%	103%	-94%	781%
SIKKIM	-85%	-77%	12%	10%	-30%	-3%	3%	27%	21%	-29%	-74%	-100%
WEST BENGAL	-90%	-99%	41%	-12%	2%	-21%	18%	13%	-25%	64%	-20%	49%
ODISHA	-84%	-100%	10%	-77%	-21%	-2%	4%	-17%	-19%	44%	8%	-1%
JHARKHAND	-68%	-99%	-73%	-67%	27%	-41%	47%	-22%	-45%	37%	-77%	-97%
BIHAR	-95%	-100%	126%	34%	56%	-50%	11%	18%	-42%	-23%	-99%	-99%
UTTAR PRADESH	-16%	-96%	-38%	-66%	36%	-31%	-4%	-44%	-40%	-96%	-100%	-91%
UTTARAKHAND	-30%	-75%	-23%	59%	66%	5%	8%	-18%	3%	-95%	-98%	-14%
HARYANA	92%	-98%	-43%	-50%	-26%	170%	-59%	-56%	14%	-	100%	-62%
CHANDIGARH (UT)	209%	-96%	-34%	-29%	-81%	-14%	-31%	8%	-6%	100%	-100%	-37%
DELHI	137%	-100%	-43%	156%	-17%	74%	-50%	-52%	2%	100%	-98%	-45%
PUNJAB	68%	-87%	-43%	-1%	-22%	149%	-49%	-28%	-31%	100%	-9%	33%
HIMACHAL PRADESH	62%	-53%	-50%	34%	-5%	29%	-30%	-3%	-26%	-99%	-66%	6%
JAMMU & KASHMIR	167%	-9%	-44%	61%	-50%	147%	-6%	-13%	-53%	-99%	-66%	36%
RAJASTHAN	57%	-96%	33%	-39%	96%	92%	61%	-44%	-52%	100%	-90%	14%
MADHYA PRADESH	-66%	-59%	-78%	-97%	30%	2%	1%	-47%	-19%	-55%	-95%	-87%
GUJARAT	-94%	-92%	-100%	-68%	-96%	-1%	86%	-17%	-54%	-54%	-99%	471%
DADRA & NAGAR HAVELI (UT)			-100%	-100%	-79%	114%	56%	11%	-13%	204%		
DAMAN & DIU (UT)	-100%	-100%	-100%	-100%	-100%	74%	37%	10%	-61%	18%	-100%	2633%
GOA	-100%	-100%	-100%	-100%	-38%	-11%	-24%	-25%	46%	-4%	-98%	-18%
MAHARASHTRA	-98%	-99%	-48%	-96%	-28%	16%	-8%	-9%	11%	29%	-87%	-35%
CHHATISGARH	-91%	-93%	-73%	-95%	-21%	0%	0%	-20%	-18%	-3%	-98%	-100%
ANDHRA PRADESH	-61%	-100%	36%	-58%	-43%	40%	-16%	50%	11%	-1%	-54%	-85%
TELANGANA	-100%	-100%	-8%	-80%	-27%	49%	-40%	-7%	-29%	24%	-91%	-100%
TAMILNADU	113%	-92%	92%	-59%	9%	4%	-38%	83%	43%	-14%	-17%	11%
PUDUCHERRY (UT)	348%	-100%	325%	-100%	-80%	20%	25%	30%	-24%	-6%	29%	-13%
KARNATAKA	40%	-100%	98%	-37%	22%	-5%	-37%	-5%	51%	21%	-74%	-51%
KERALA	46%	-98%	189%	-52%	-11%	-11%	-48%	10%	78%	-22%	1%	64%
LAKSHADWEEP (UT)	2%	-94%	749%	-96%	-15%	58%	-43%	-5%	32%	-13%	-46%	172%

### Monthly category-wise distribution of number of States:

The statistics and chart depicting the monthly distribution of number of states in different categories during the year have been given at Table 21 and Figure 70 respectively. It may be observed that atleast 22 or more number of states remained in Deficient/Large Deficient /No Rain rainfall category during the months of January, February and November. 20 or more number of states remained in Large Excess/ Excess /Normal category of rainfall during the months of March, June, July, August, September, October and December.

**Table 21: Category-wise Number of States - Monthly - Year 2017**

CATEGORY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
L. EXCESS	9	0	8	6	2	8	2	3	1	4	0	9
EXCESS	3	2	8	6	5	7	5	5	8	9	1	3
NORMAL	2	2	4	4	9	13	15	18	15	9	5	8
DEFICIENT	1	4	9	7	15	7	14	10	11	5	3	6
L. DEFICIENT	16	18	3	9	4	1	0	0	1	4	23	6
NO RAIN	4	9	4	4	1	0	0	0	0	5	3	3
NO DATA	1	1	0	0	0	0	0	0	0	0	1	1

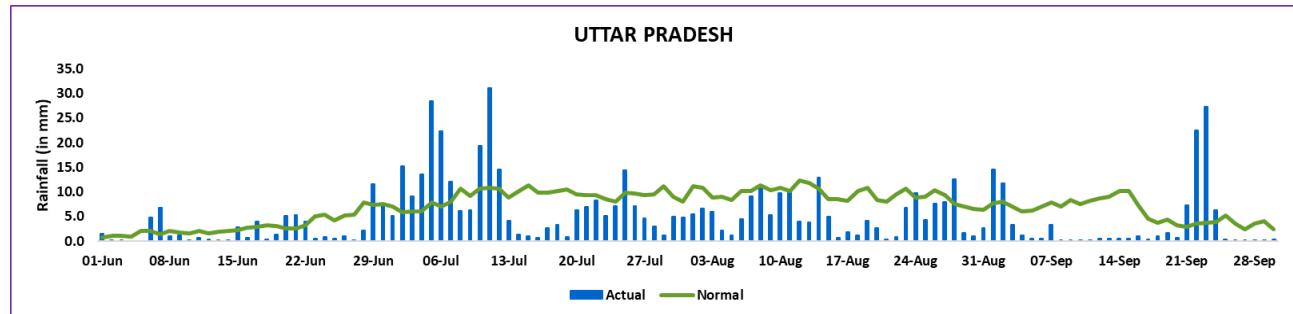


**Figure 70: Category-wise distribution of States – Monthly – Year 2017**

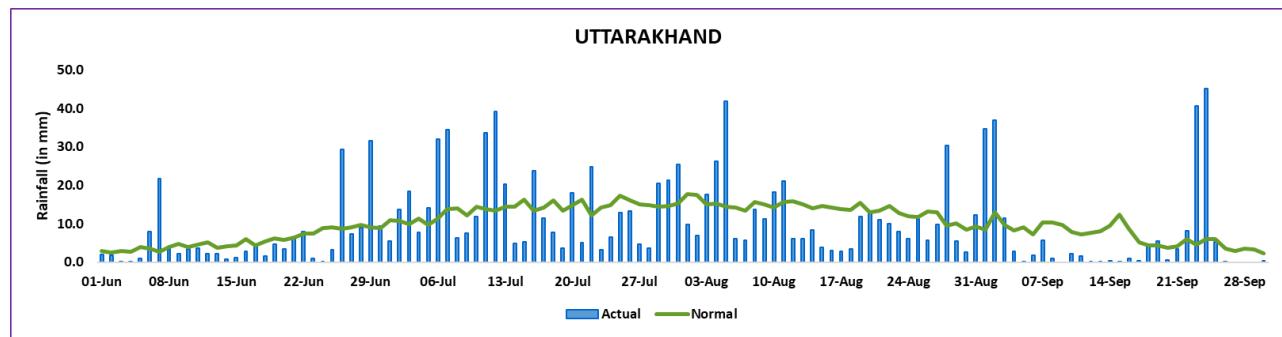
## STATE-WISE DAILY RAINFALL DISTRIBUTION – SW MONSOON 2017

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 71 through Figure 106.

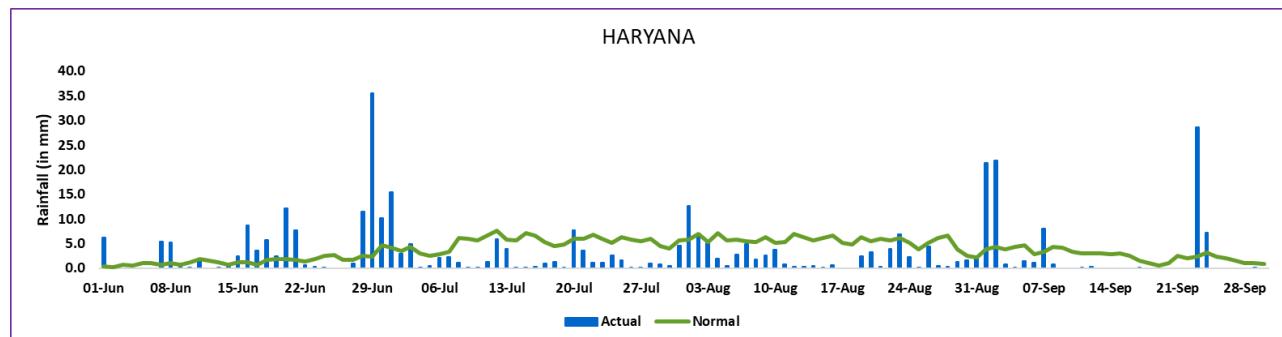
### REGION: NORTH WEST INDIA



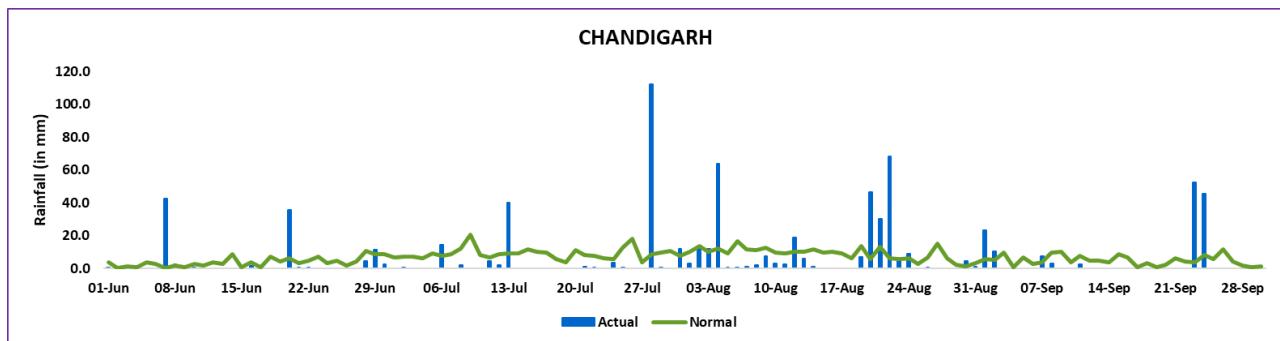
**Figure 71: Uttar Pradesh - Rainfall Distribution - SW Monsoon 2017**



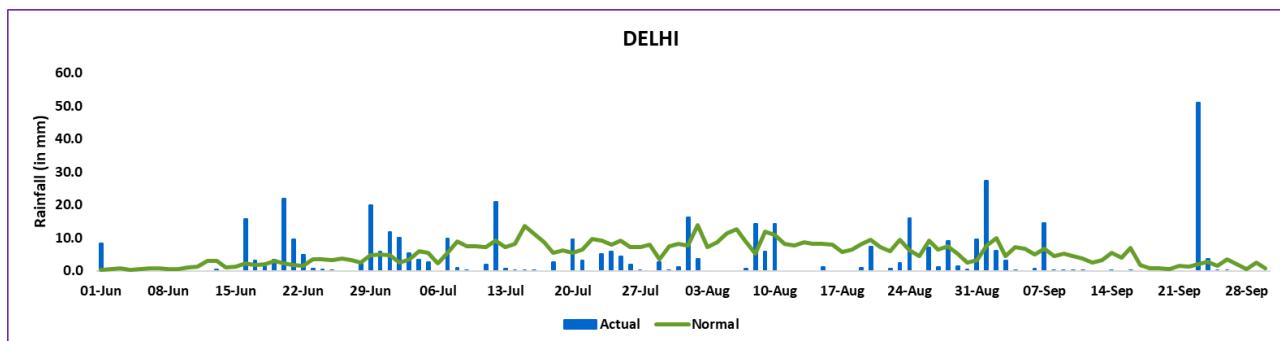
**Figure 72: Uttarakhnad - Rainfall Distribution - SW Monsoon 2017**



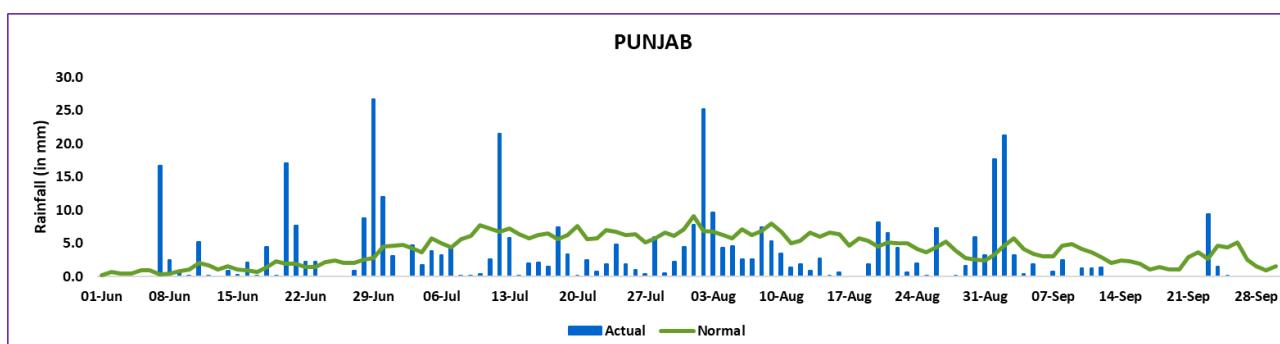
**Figure 73: Haryana - Rainfall Distribution - SW Monsoon 2017**



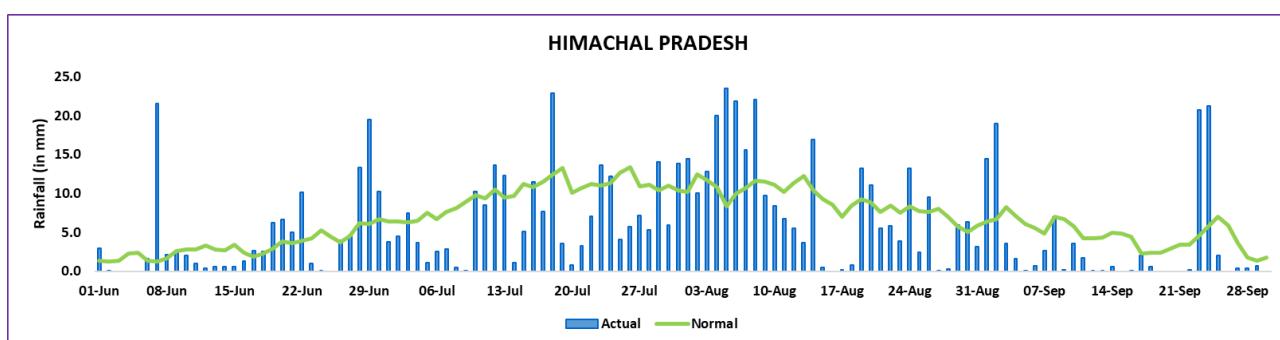
**Figure 74: Chandigarh - Rainfall Distribution - SW Monsoon 2017**



**Figure 75: Delhi - Rainfall Distribution - SW Monsoon 2017**



**Figure 76: Punjab - Rainfall Distribution - SW Monsoon 2017**



**Figure 77: Himachal Pradesh - Rainfall Distribution - SW Monsoon 2017**

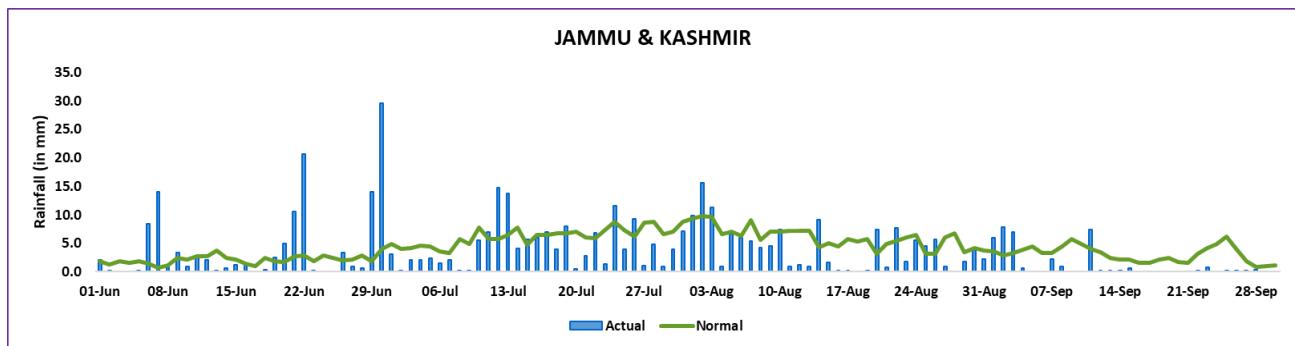


Figure 78: Uttar Pradesh - Rainfall Distribution - SW Monsoon 2017

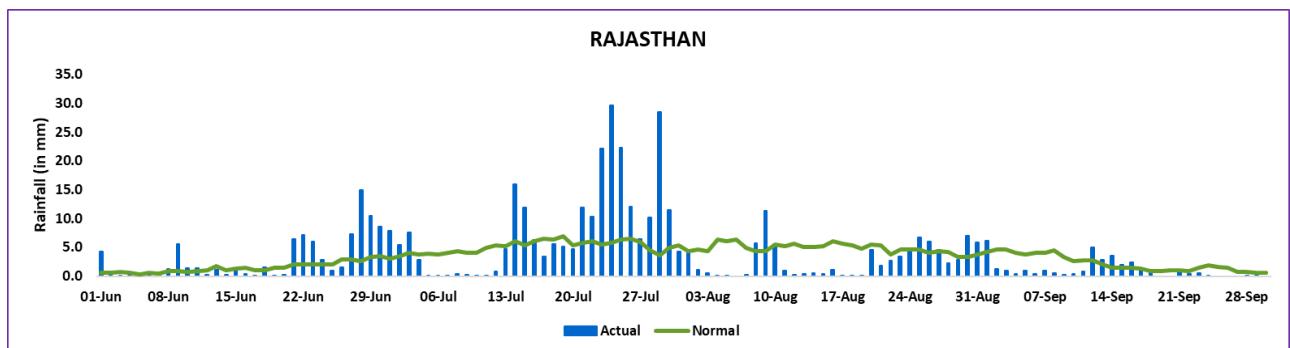


Figure 79: Rajasthan - Rainfall Distribution - SW Monsoon 2017

## REGION: CENTRAL INDIA

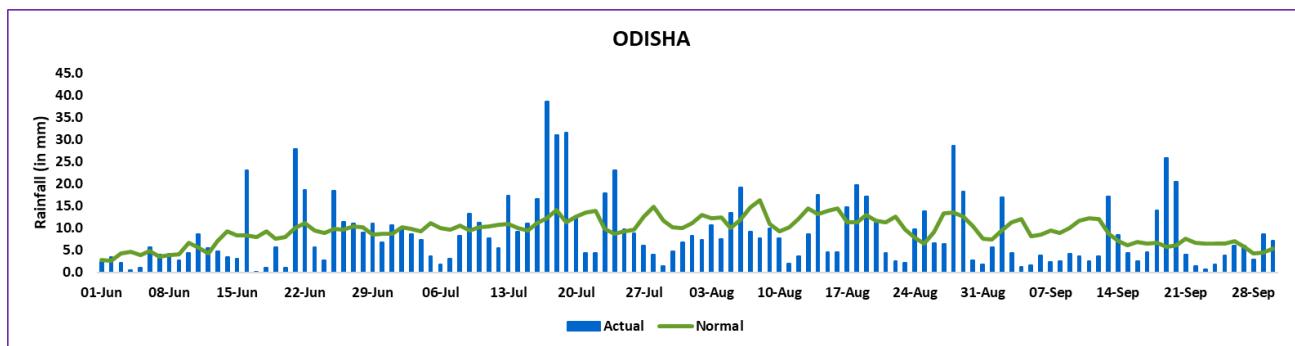


Figure 80: Odisha - Rainfall Distribution - SW Monsoon 2017

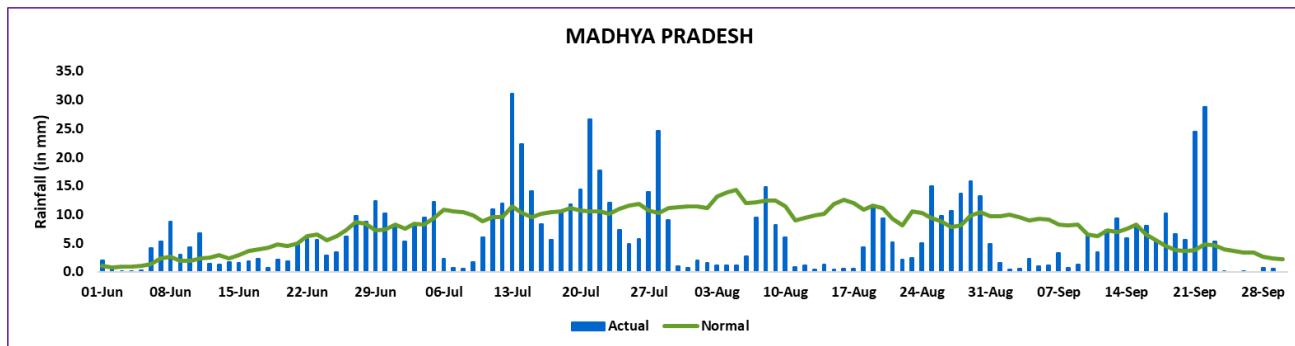


Figure 81: Madhya Pradesh - Rainfall Distribution - SW Monsoon 2017

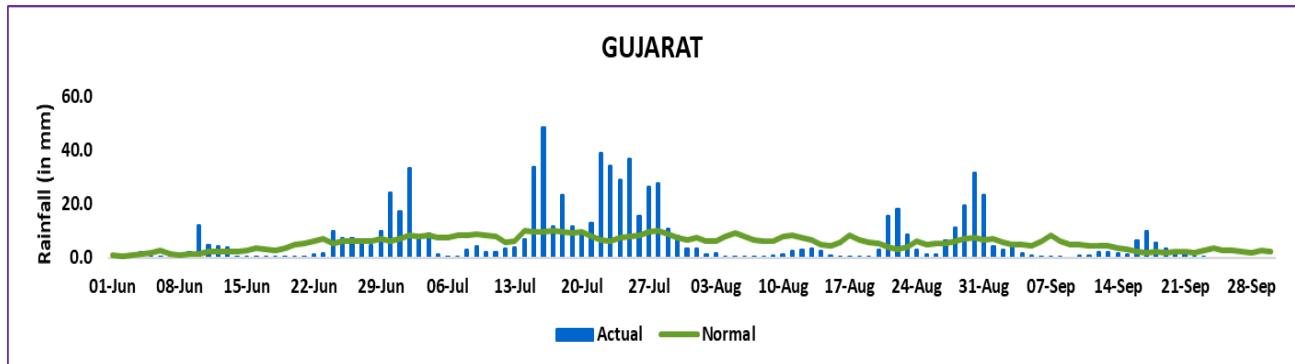


Figure 82: Gujarat - Rainfall Distribution - SW Monsoon 2017

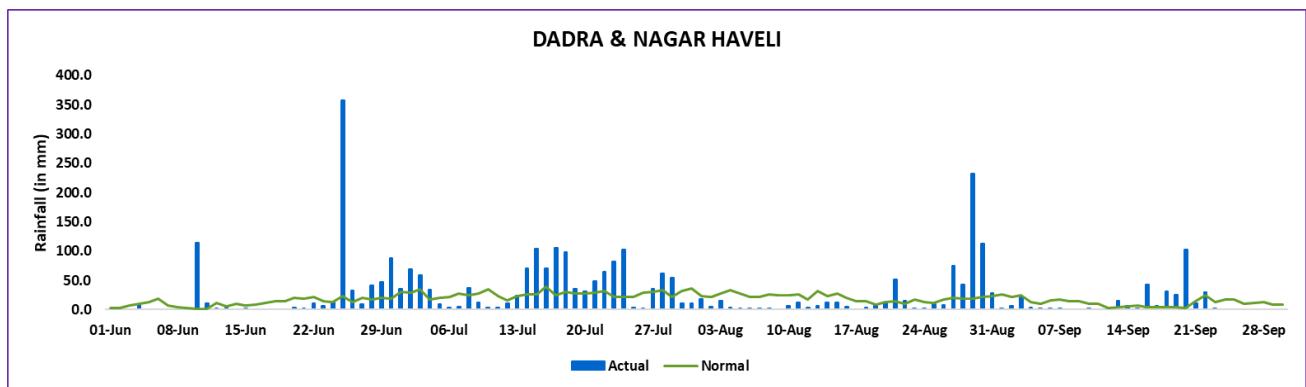


Figure 83: Dadra & Nagar Haveli - Rainfall Distribution - SW Monsoon 2017

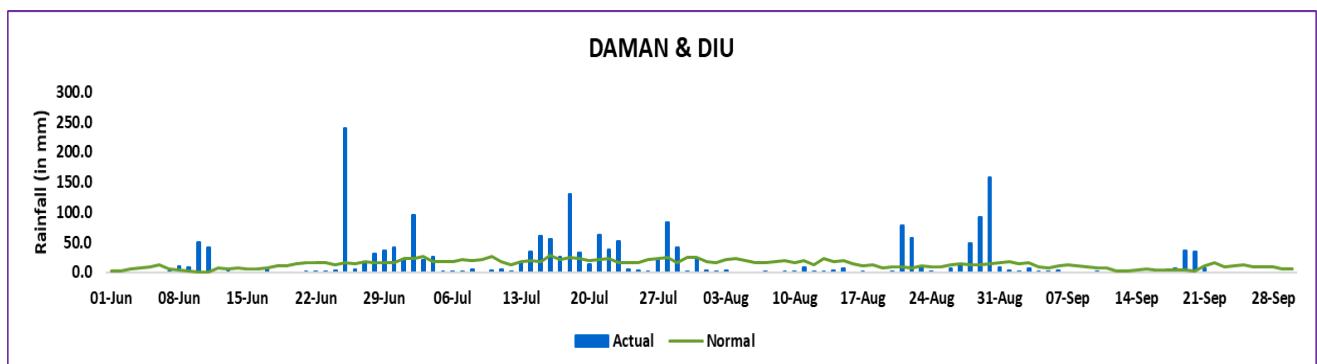
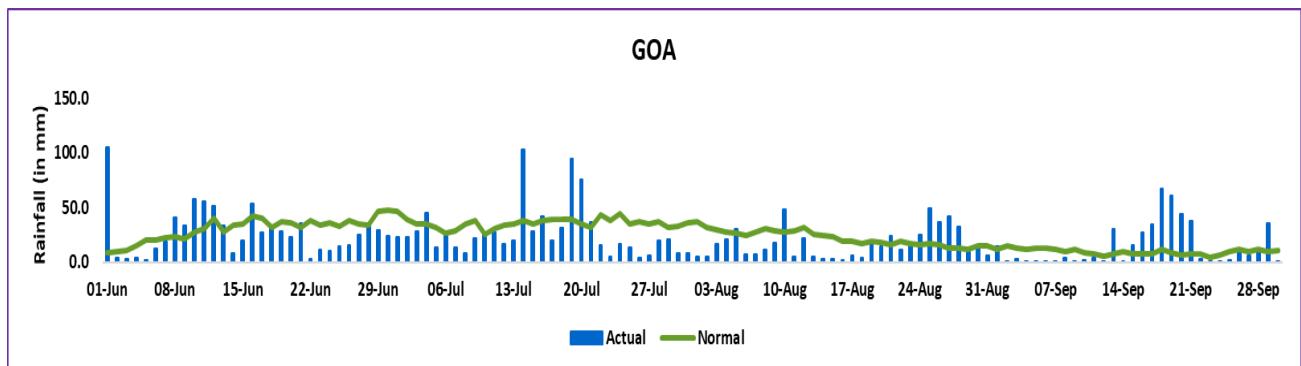
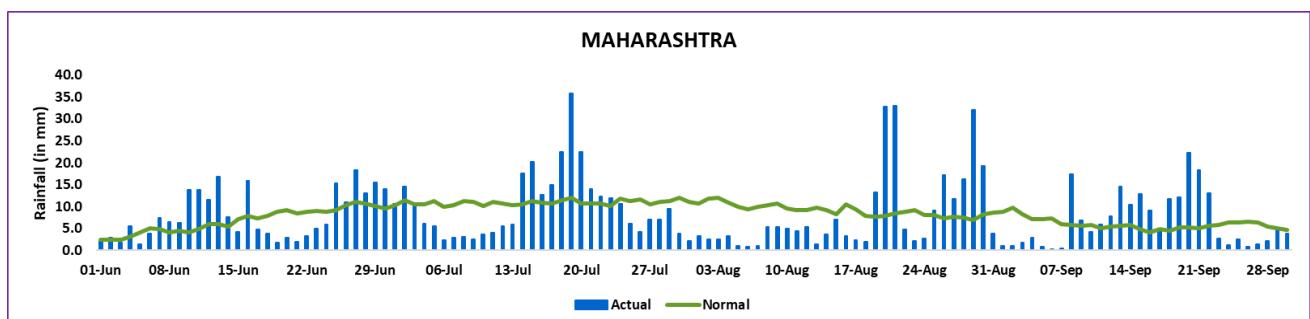
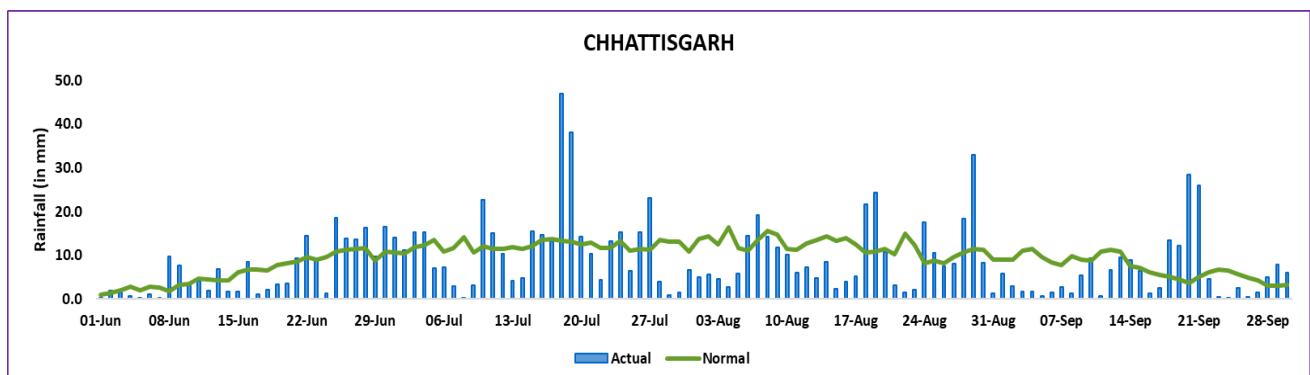
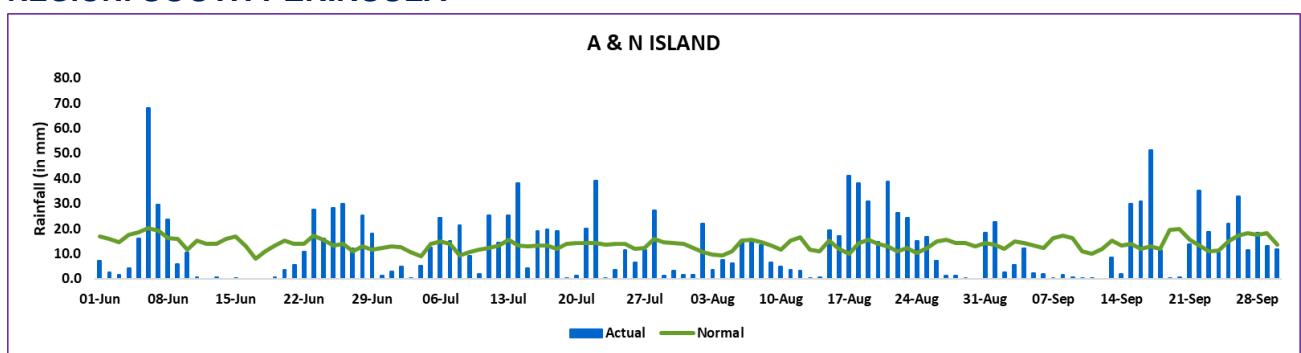
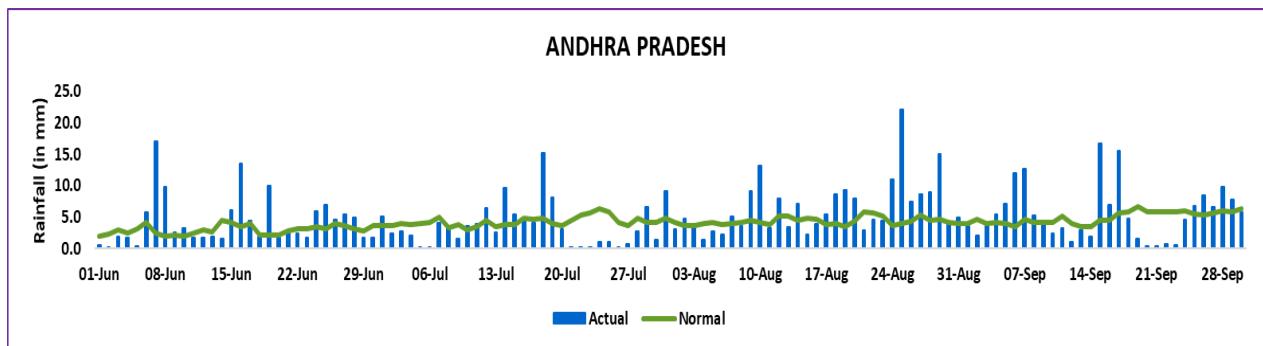
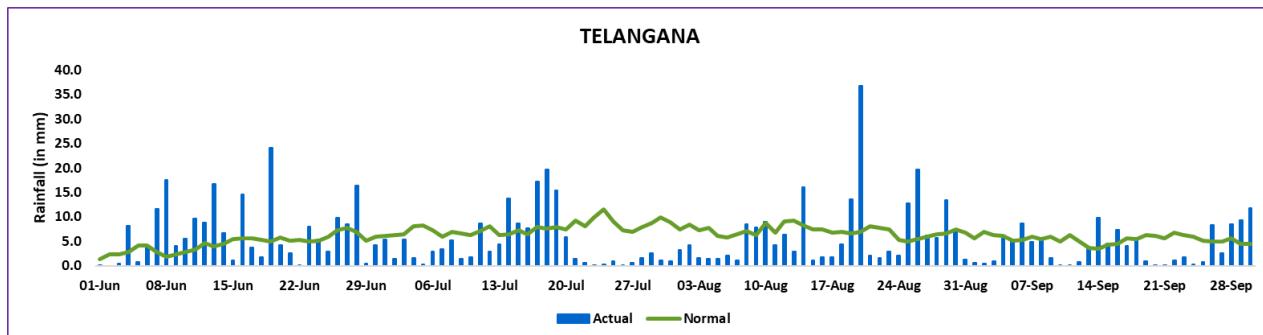


Figure 84: Daman & Diu - Rainfall Distribution - SW Monsoon 2017

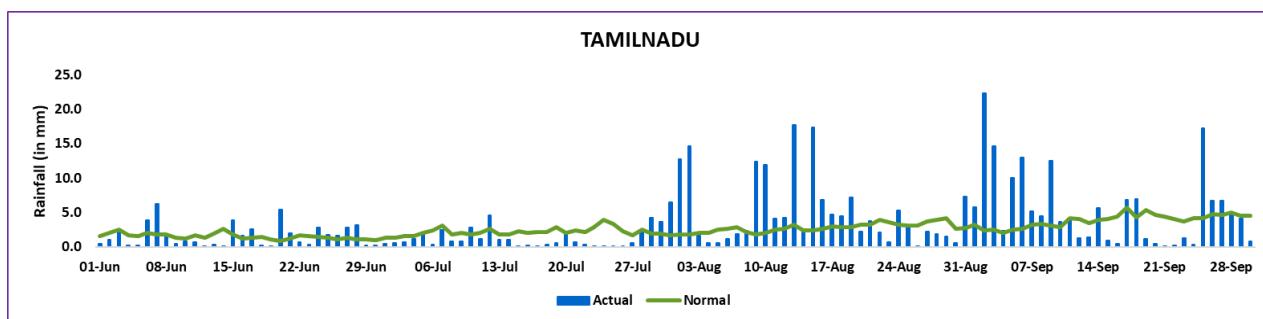
**Figure 85: Goa - Rainfall Distribution - SW Monsoon 2017****Figure 86: Maharashtra - Rainfall Distribution - SW Monsoon 2017****Figure 87: Chhattisgarh - Rainfall Distribution - SW Monsoon 2017****REGION: SOUTH PENINSULA****Figure 88: A & N Island - Rainfall Distribution - SW Monsoon 2017**



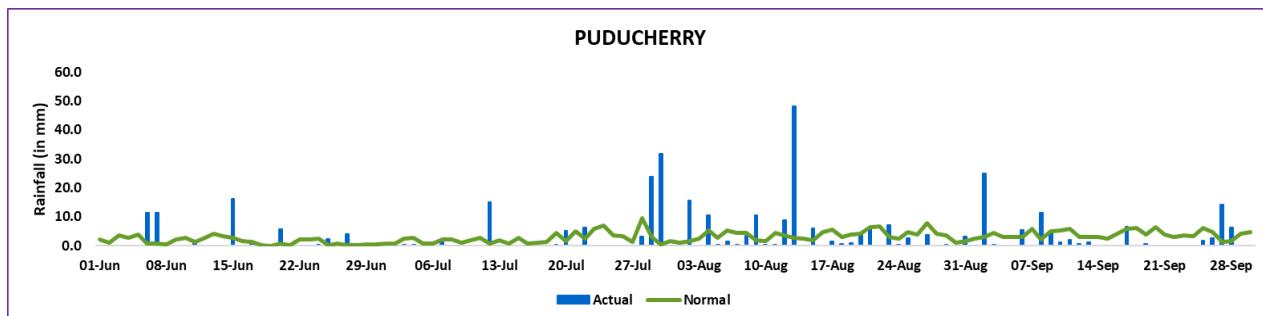
**Figure 89: Andhra Pradesh - Rainfall Distribution - SW Monsoon 2017**



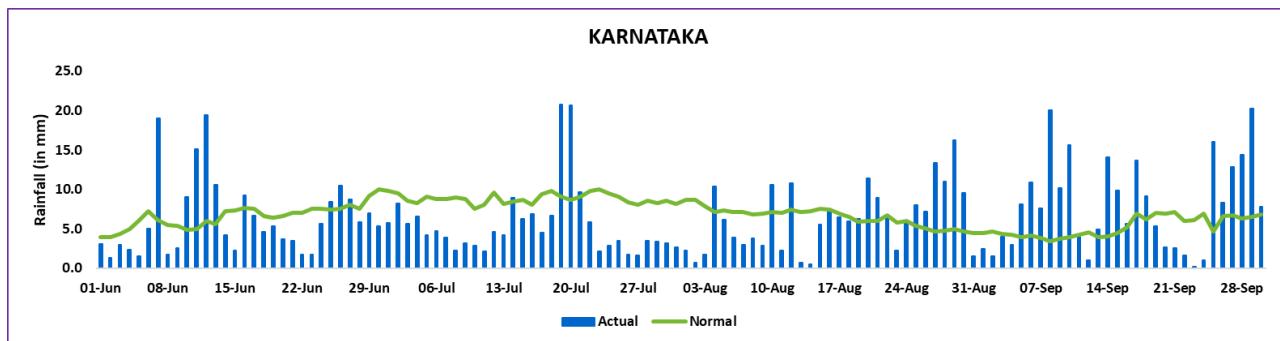
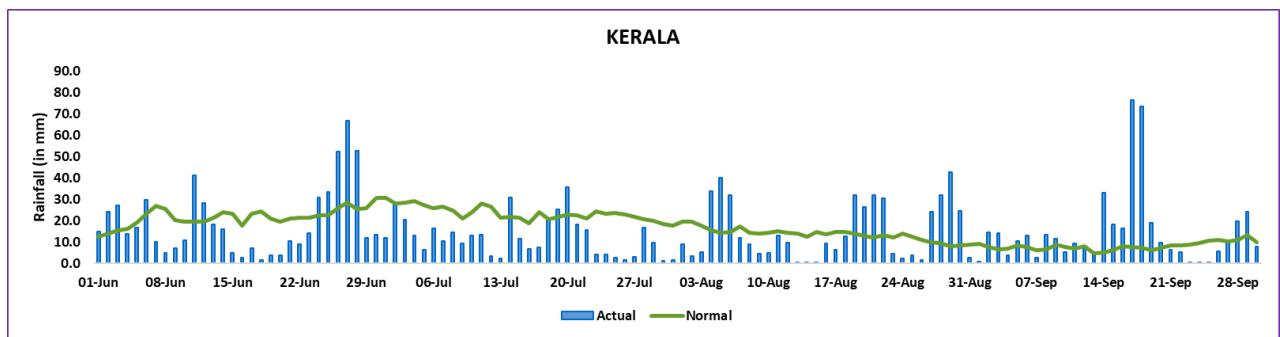
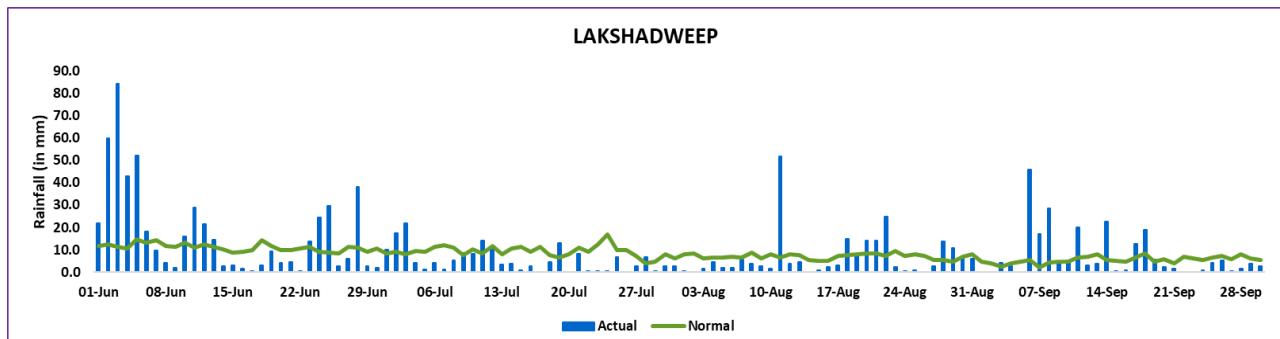
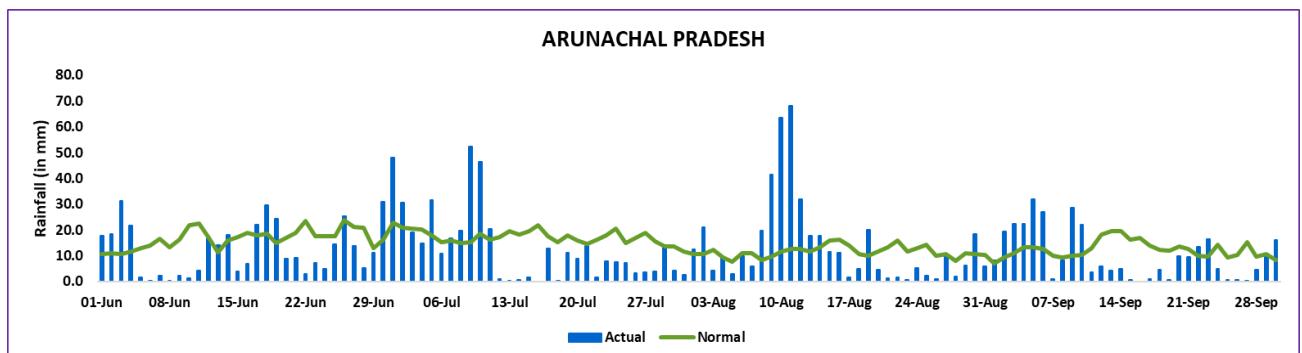
**Figure 90: Telangana - Rainfall Distribution - SW Monsoon 2017**

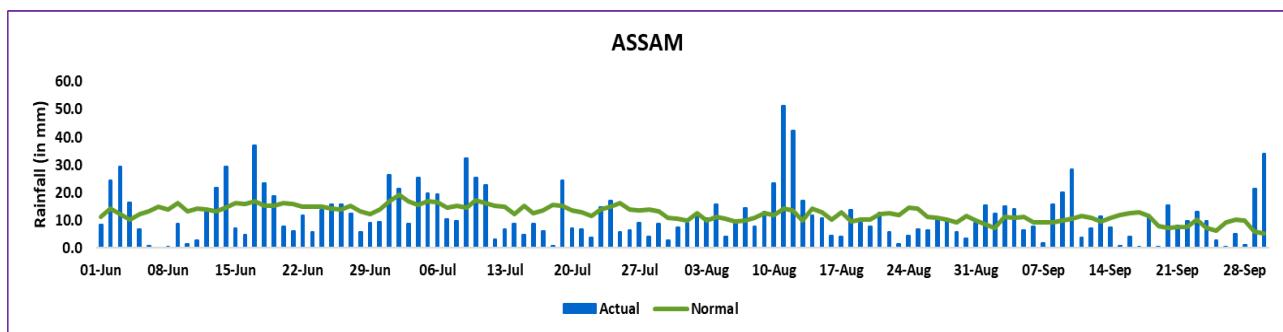
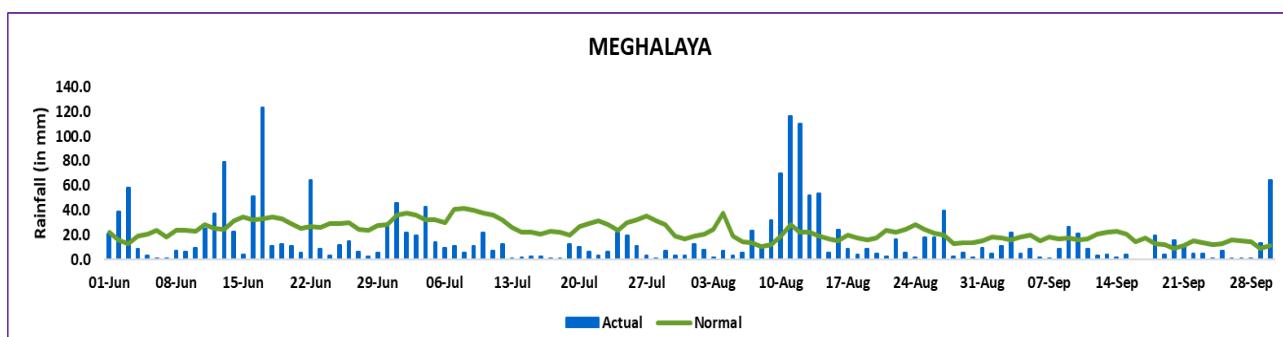
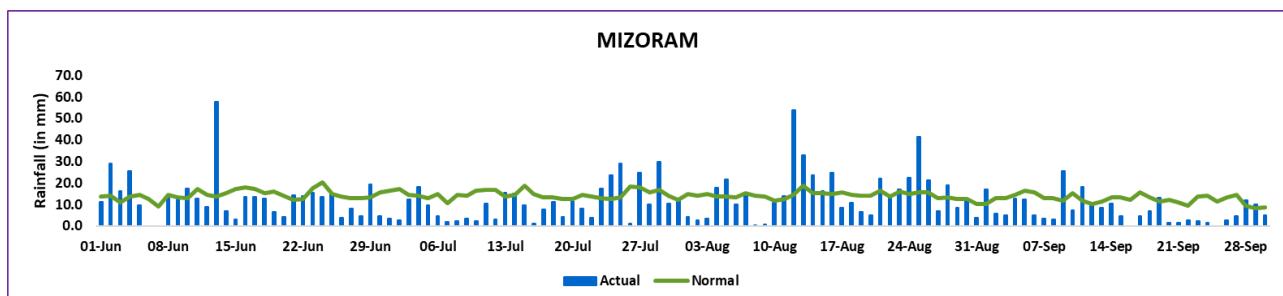
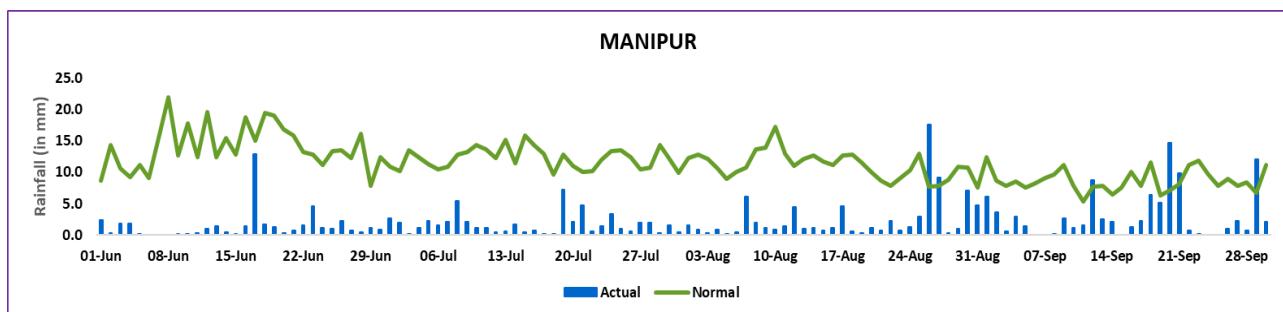


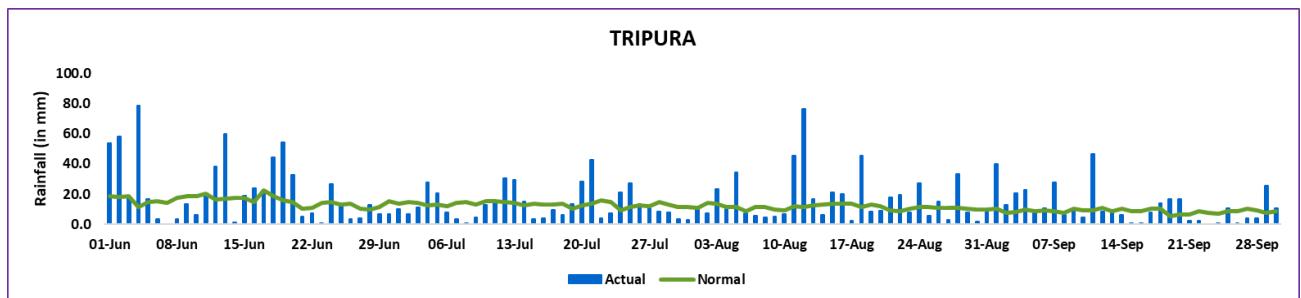
**Figure 91: Tamilnadu - Rainfall Distribution - SW Monsoon 2017**



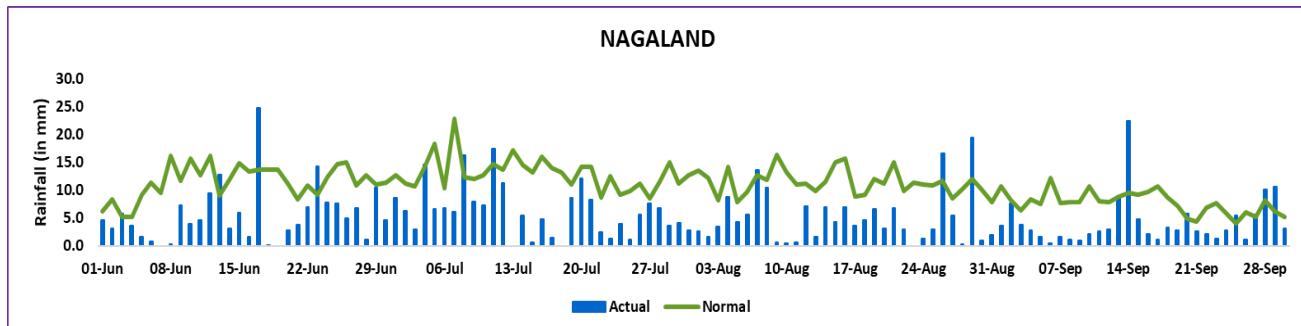
**Figure 92: Puducherry - Rainfall Distribution - SW Monsoon 2017**

**Figure 93: Karnataka - Rainfall Distribution - SW Monsoon 2017****Figure 94: Kerala - Rainfall Distribution - SW Monsoon 2017****Figure 95: Lakshadweep - Rainfall Distribution - SW Monsoon 2017****REGION: EAST & NORTH EAST INDIA****Figure 96: Arunachal Pradesh - Rainfall Distribution - SW Monsoon 2017**

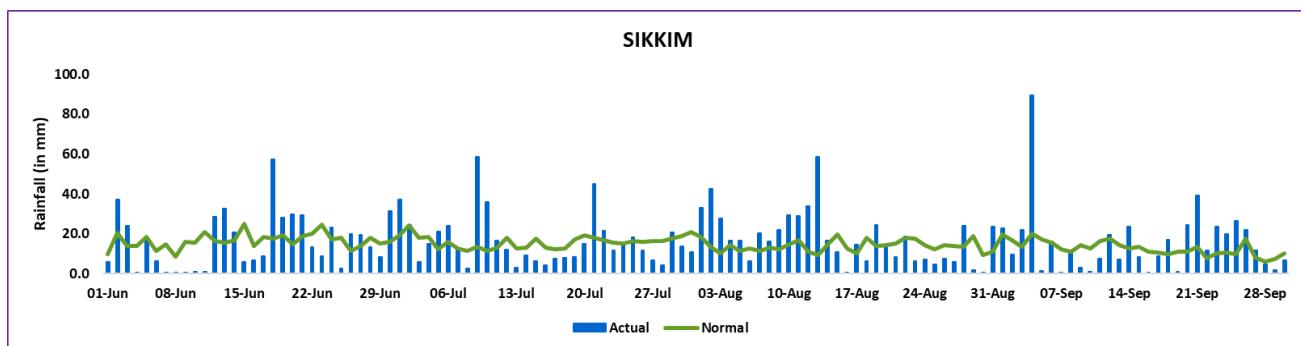
**Figure 97: Assam - Rainfall Distribution - SW Monsoon 2017****Figure 98: Meghalaya - Rainfall Distribution - SW Monsoon 2017****Figure 99: Mizoram - Rainfall Distribution - SW Monsoon 2017****Figure 100: Manipur - Rainfall Distribution - SW Monsoon 2017**



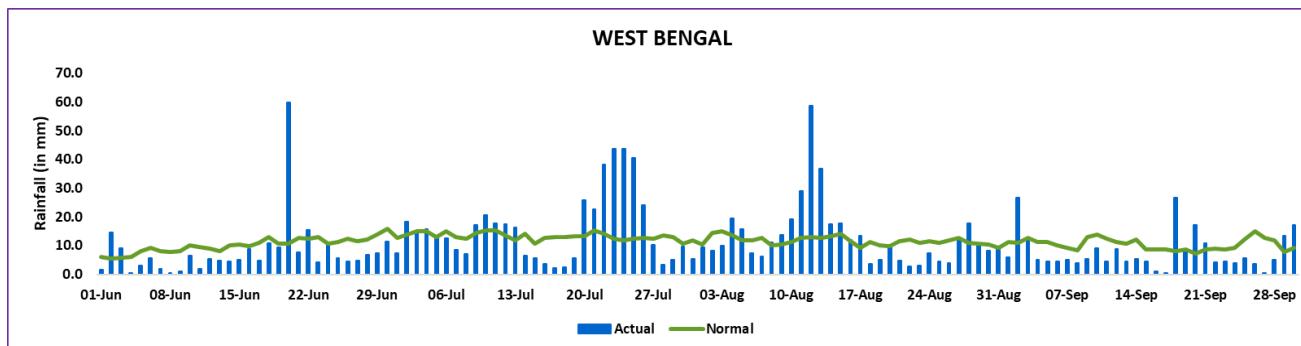
**Figure 101: Tripura - Rainfall Distribution - SW Monsoon 2017**



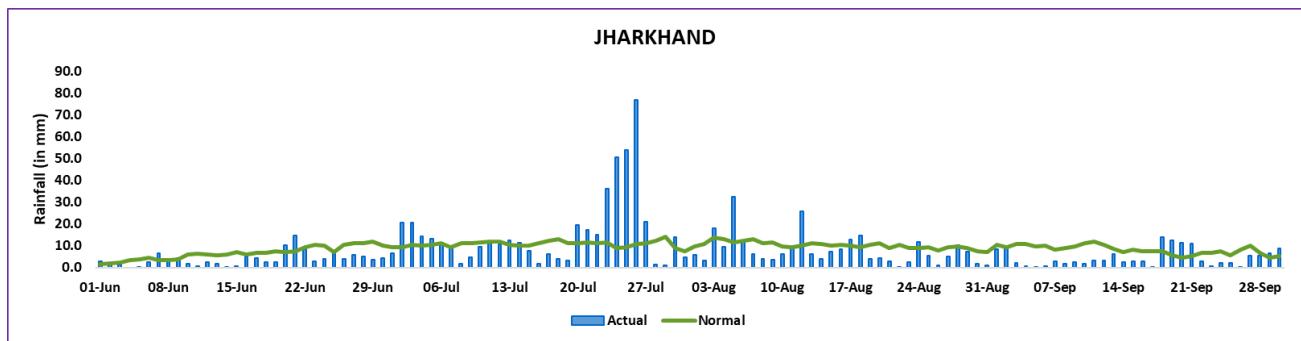
**Figure 102: Nagaland - Rainfall Distribution - SW Monsoon 2017**



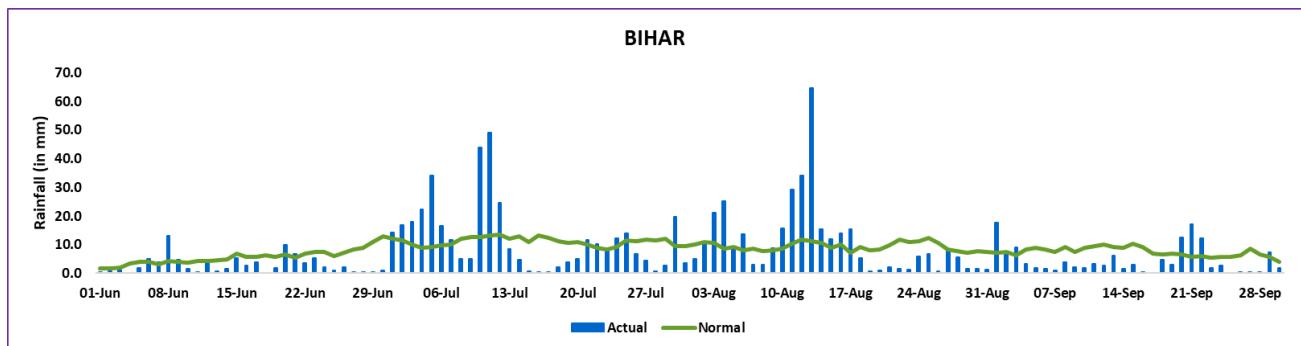
**Figure 103: Sikkim- Rainfall Distribution - SW Monsoon 2017**



**Figure 104: West Bengal - Rainfall Distribution - SW Monsoon 2017**



**Figure 105: Jharkhand - Rainfall Distribution - SW Monsoon 2017**



**Figure 106: Bihar - Rainfall Distribution - SW Monsoon 2017**

## DISTRICT-WISE SEASONAL & ANNUAL RAINFALL STATISTICS

The rainfall statistics for 660 districts of India was prepared during the year 2017. The districtwise observed seasonal and annual rainfall with percent departure of observed rainfall from their normals for the districts whose data are received throughout the year is given in Table 22. 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 7679.8 mm where as the District Ferozepur in Punjab received the lowest rainfall of 94.2 mm.

**Table 22: District-wise seasonal and annual Rainfall (mm) - Year 2017**

Districts	Winter	Pre-Monsoon	SW Monsoon	Post-Monsoon	Annual
<b>A &amp; N ISLAND</b>					
NICOBAR	663.2	558.1	913.4	999.4	3134.1
NORTH & MIDDLE ANDAMAN	71.2	294.9	1492.5	523.6	2382.1
SOUTH ANDAMAN	147.3	463.3	1941.2	741.8	3293.5
<b>ANDHRA PRADESH</b>					
ANANTAPUR	0.2	59.6	384.1	217.3	661.2
CHITTOOR	15.5	91.4	611.9	420.3	1139.0
CUDDAPAH	1.5	50.6	542.9	259.1	854.2
EAST GODAVARI	0.0	32.2	804.9	125.7	962.8
GUNTUR	0.0	49.5	640.9	101.2	791.6
KRISHNA	0.0	33.9	706.0	127.8	867.7
KURNOOL	0.0	47.5	519.8	176.4	743.8

Districts	Winter	Pre-Monsoon	SW Monsoon	Post-Monsoon	Annual
NELLORE	6.6	29.6	530.0	409.9	976.1
PRAKASAM	0.3	54.6	460.6	99.6	615.1
SRIKAKULAM	0.0	86.3	920.9	243.4	1250.5
VISHAKHAPATNAM	0.0	76.9	731.0	133.2	941.1
VIZIANAGARAM	0.1	96.3	790.9	193.5	1080.7
WEST GODAVARI	0.0	36.3	804.0	124.7	965.0
<b>ARUNACHAL PRADESH</b>					
ANJAW	173.4	1139.0			
CHANGLANG	43.7	612.4	999.6	142.4	1798.0
DIBANG VALLEY	224.0	1064.0	641.6	183.0	2112.6
EAST KAMENG	6.2	536.5	728.9	26.6	1298.2
EAST SIANG	62.9	1088.5	3103.6	330.6	4585.6
KURUNG KUMEY					
LOHIT	124.2	930.5	1646.1	271.2	2971.9
LOWER DIBANG VALLEY	147.0	1792.8	3311.9	332.1	5583.8
LOWER SUBANSIRI					
PAPUMPARA	57.8	793.4	2452.5	340.1	3643.6
TAWANG	46.0	461.0	642.0		
TIRAP	2.6	731.0	1391.3	178.8	2303.7
UPPER SIANG	170.2	1490.9	2667.0	729.4	5057.5
UPPER SUBANSIRI	53.2	409.0	1280.2	102.4	1844.8
WEST KAMENG	17.0	223.8	1077.3	69.5	1387.5
WEST SIANG	74.2	634.3	1777.6	258.1	2744.3
<b>ASSAM</b>					
BAKSA	59.2	497.0	1416.8	63.3	2036.3
BARPETA	41.5	624.2	2259.3	214.5	3139.5
BONGAIGAON	50.8	672.6	2648.5	308.6	3680.5
CACHAR	38.5	1033.5	1829.0	473.9	3374.9
CHIRANG	27.0	946.5	3580.7	341.6	4895.8
DARRANG					

Districts	Winter	Pre-Monsoon	SW Monsoon	Post-Monsoon	Annual
DHEMAJI	72.0	656.0	2055.0		
DHUBRI	9.0	802.1	1514.7	161.9	2487.7
DIBRUGARH	100.7	671.2	1295.0	193.1	2260.0
GOALPARA	23.2	714.4	1884.9	185.2	2807.6
GOLAGHAT	49.5	562.6	1061.0	154.0	1827.0
HAILAKANDI	57.5	987.3	1503.9	271.7	2820.3
JORHAT	36.0	603.8	1193.8	190.3	2023.9
KAMRUP (RURAL)	35.6	699.7	1107.1	116.2	1958.6
KAMRUP METRO.	10.4	532.7	1088.3	112.9	1744.3
KARBI ANGLONG	6.5	443.3	875.0	151.1	1475.8
KARIMGANJ	64.8	1731.0	2640.6	614.7	5051.1
KOKRAJHAR	0.2	876.7	2950.0	312.5	4139.4
LAKHIMPUR	51.4	783.5	2376.0	363.2	3574.1
MORIGAON	6.6	415.8	952.8	165.6	1540.8
N. C. HILLS	43.2	737.3	1246.2	395.8	2422.4
NAGAON	12.7	419.1	874.2	136.6	1442.5
NALBARI	36.1	592.8	1296.0	145.4	2070.3
SHONITPUR	68.9	472.6	1426.1	118.6	2086.3
SIBSAGAR	35.0	549.4	1114.3	154.0	1852.6
TINSUKIA	94.4	757.7	1394.4	271.2	2517.6
UDALGURI	87.0	473.5	1106.2	166.5	1833.1
<b>BIHAR</b>					
ARARIA	0.0	161.8	1404.6	72.2	1638.6
ARWAL	0.0	24.1	527.6	0.0	551.7
AURANGABAD	0.0	32.3	867.7	4.7	904.7
BANKA	0.0	112.7	962.2	130.5	1205.4
BEGUSARAI	0.0	100.1	766.1	73.0	939.2
BHABUA	0.0	1.8	827.4	0.0	829.2
BHAGALPUR	4.0	152.3	979.6	272.4	1408.2
BHOJPUR	0.0	36.0	546.0	2.3	584.3

Districts	Winter	Pre-Monsoon	SW Monsoon	Post-Monsoon	Annual
BUXAR	0.0	78.3	759.4	27.0	864.7
DARBHANGA	0.0	219.6	1051.0	1.9	1272.5
EAST CHAMPARAN	3.2	119.6	801.4	0.0	924.3
GAYA	0.6	27.2	735.4	5.2	768.3
GOPALGANJ	2.1	78.4	845.4	4.5	930.4
JAHANABAD	0.0	21.8	722.5	0.0	744.3
JAMUI	0.0	106.3	739.7	237.8	1083.9
KATIHAR	0.0	192.4	1046.4	229.1	1467.8
KHAGARIA	0.0	85.1	747.4	100.7	933.2
KISHANGANJ	0.0	272.7	2037.5	74.0	2384.2
LAKHISARAI	0.0	29.1	727.7	130.9	887.7
MADHEPURA	0.0	216.1	919.2	61.7	1197.0
MADHUBANI	0.3	207.5	1118.7	7.2	1333.7
MONGHYR	0.0	77.9	720.5	119.0	917.4
MUZAFFARPUR	0.1	119.3	749.6	1.5	870.5
NALANDA	0.0	22.1	666.8	11.9	700.8
NAWADA	0.0	15.2	628.5	28.9	672.6
PATNA	0.0	52.9	658.1	19.4	730.3
PURNEA	4.9	417.5	1199.0	147.0	1768.3
ROHTAS	0.5	25.7	826.5	6.7	859.3
SAHARSA	0.0	207.8	1019.5	30.2	1257.4
SAMASTIPUR	0.0	149.4	1090.6	29.0	1269.0
SARAN	0.0	83.3	807.8	0.0	891.1
SHEIKHPURA	0.0	67.7	629.5	39.7	736.9
SHEOHAR	0.0	172.4	909.4	0.0	1081.8
SITAMARHI	0.0	120.0	881.3	1.9	1003.1
SIWAN	0.2	112.1	575.3	0.5	688.1
SUPAUL	0.0	307.1	1100.2	32.5	1439.8
VAISHALI	0.0	101.7	739.1	0.0	840.8
WEST CHAMPARAN	3.7	236.1	1801.8	13.3	2054.9

Districts	Winter	Pre-Monsoon	SW Monsoon	Post-Monsoon	Annual
<b>CHANDIGARH (UT)</b>					
CHANDIGARH	138.6	38.2	752.8	14.8	944.4
<b>CHHATTISGARH</b>					
BALOD	0.0	35.9	1366.5	22.6	1425.0
BALODA BAZAR	0.0	4.3	660.0	26.6	690.9
BALRAMPUR	1.0	1.0	927.4	20.0	949.4
BASTAR	0.0	93.9	1352.8	136.4	1583.1
BEMETARA	1.0	5.0	1112.9	43.8	1162.7
BIJAPUR	0.0	23.0	1118.5	99.7	1241.2
BILASPUR	11.7	18.9	881.0	33.2	944.6
DANTEWADA	0.0	40.0	1193.3	81.8	1315.1
DHAMTARI	0.2	43.4	1070.4	67.8	1181.8
DURG	1.8	29.6	747.2	66.4	845.0
GARIABAND	0.0	13.6	911.2	92.3	1017.1
JANGIR	0.0	7.0	941.1	37.8	985.9
JASHPUR	1.0	23.5	1197.3	28.8	1250.6
KABIRDHAM	0.0	62.6	1338.0	47.6	1448.2
KANKER	0.0	0.0	1035.8	109.1	1144.9
KONDAGAON	0.0	38.2	1073.0	176.8	1288.0
KORBA	5.3	13.3	1153.7	31.3	1203.6
KORIYA	2.9	2.3	726.0	21.2	752.5
MAHASAMUND	0.0	0.0	905.5	45.5	951.0
MUNGELI	7.4	2.2	781.1	0.0	790.7
NARAYANPUR	0.0	30.8	956.0	61.9	1048.7
RAIGARH	0.0	4.5	968.6	47.5	1020.6
RAIPUR	3.9	11.8	789.2	62.6	867.5
RAJNANDGAON	0.0	27.4	724.5	47.6	799.4
SUKMA	0.0	0.0	1596.2	183.5	1779.7
SURAJPUR	0.0	1.0	1098.3	9.0	1108.3
SURGUJA	9.7	3.9	1396.3	43.7	1453.6

Districts	Winter	Pre-Monsoon	SW Monsoon	Post-Monsoon	Annual
<b>DADARA &amp; NAGAR HAVELI</b>					
DADARA & NAGAR HAVELI		1.9	3050.7		
<b>DAMAN &amp; DIU</b>					
DAMAN			2471.0		
DIU	0.0	0.0	1041.8	35.6	1077.4
<b>DELHI</b>					
CENTRAL DELHI	19.0	26.0	584.8	5.0	634.8
EAST DELHI	32.0				
NEW DELHI	31.6	75.1	700.9	7.7	815.4
NORTH DELHI	27.0	33.9	519.5	5.9	586.2
NORTH EAST DELHI	30.0	30.0	259.5	0.0	319.5
NORTH WEST DELHI	41.8	20.3	419.0	3.0	484.2
SOUTH DELHI	37.1	110.7	460.1	7.0	614.8
SOUTH WEST DELHI	41.5	45.6	424.4	5.5	517.0
WEST DELHI	42.0		500.5	5.0	
<b>GOA</b>					
NORTH GOA	0.0	57.0	2743.7	175.0	2975.7
SOUTH GOA	0.0	51.3	2399.4	142.5	2593.3
<b>GUJARAT</b>					
AHMEDABAD	0.0	0.2	731.2	3.0	734.5
AMRELI	0.0	0.6	561.6	33.9	596.0
ANAND	0.0	0.9	700.4	1.8	703.1
ARAVALLI	0.0	0.0	887.0	8.8	895.8
BANASKANTHA	0.0	0.5	1136.9	0.6	1138.0
BHARUCH	0.0	0.0	743.9	28.0	771.9
BHAVNAGAR	0.0	0.0	568.0	28.1	596.1
BOTAD	0.0	0.0	672.3	6.3	678.5
CHHOTA UDEPUR	0.0	0.0	825.0	18.5	843.5
DAHOD	0.0	1.0	646.0	7.4	654.5
DANGS	0.0	0.0	1793.3	170.7	1964.0

Districts	Winter	Pre-Monsoon	SW Monsoon	Post-Monsoon	Annual
DEVBHOOMI DWARKA	0.0	0.0	620.1	0.0	620.1
GANDHINAGAR	0.0	0.5	1199.8	6.9	1207.2
GIR SOMNATH	0.0	0.0	1032.3	24.4	1056.8
JAMNAGAR	0.0	0.0	668.5	0.0	668.5
JUNAGADH	0.0	0.0	868.6	9.9	878.6
KHEDA	0.0	0.0	855.8	3.6	859.4
KUTCH	0.2	0.0	493.1	0.0	493.3
MAHISAGAR	0.0	0.0	746.5	3.0	749.5
MEHSANA	0.0	0.0	846.7	0.4	847.1
MORBI	0.0	0.0	951.6	1.2	952.8
NARMADA	0.0	0.0	940.1	40.7	980.8
NAVSARI	0.0	0.0	1615.9	77.9	1693.7
PANCHMAHAL	0.0	0.0	835.6	9.4	845.0
PATAN	0.0	0.0	929.8	2.2	932.0
PORBANDAR	0.0	0.0	654.3	0.0	654.3
RAJKOT	0.0	1.4	820.6	0.2	822.2
SABARKANTHA	0.0	0.0	963.8	5.6	969.4
SURAT	0.0	0.1	1165.8	77.8	1243.6
SURENDRANAGAR	0.0	0.0	837.9	1.6	839.5
TAPI	0.0	0.0	961.6	103.2	1064.8
VADODARA	0.0	0.2	569.4	7.5	577.1
VALSAD	0.0	0.6	2546.4	158.8	2705.8
<b>HARYANA</b>					
AMBALA	103.3	38.1	629.3	8.4	779.1
BHIWANI	16.6	18.4	245.4	11.2	291.6
FARIDABAD	16.3	49.3	595.3	5.6	666.6
FATEHABAD	20.2	5.0	137.9	5.8	169.0
GURGAON	28.8	21.0	256.9	1.3	308.0
HISAR	23.0	11.5	247.9	5.0	287.4
JHAJJAR	20.1	13.8	393.4	1.2	428.5

Districts	Winter	Pre-Monsoon	SW Monsoon	Post-Monsoon	Annual
JIND	46.0	15.3	327.9	5.8	395.0
KAITHAL	52.9	7.8	411.7	3.5	475.9
KARNAL	66.5	23.5	557.3	7.1	654.3
KURUKSHETRA	50.0	16.7	441.9	5.5	514.0
MAHENDRAGARH	17.2	44.8	315.2	1.6	378.8
MEWAT	26.0	22.6	404.2	6.5	459.3
PALWAL	16.3	19.8	294.3	4.5	334.8
PANCHKULA	85.1	18.8	405.8	18.0	527.7
PANIPAT	40.6	17.1	315.3	4.0	377.0
REWARI	38.7	27.6	364.5	2.3	433.1
ROHTAK	24.6	15.1	255.1	3.2	297.9
SIRSA	10.0	6.0	171.6	7.7	195.2
SONEPAT	41.1	25.6	401.2	2.0	469.9
YAMUNA NAGAR	90.2	60.1	854.7	11.3	1016.2
<b>HIMACHAL PRADESH</b>					
BILASPUR	213.7	149.3	950.8	43.3	1357.0
CHAMBA	276.3	257.1	695.7	71.3	1300.3
HAMIRPUR	160.4	134.3	1074.4	60.2	1429.2
KANGRA	145.2	136.6	1628.3	82.9	1993.0
KINNAUR	173.6	208.0	160.4	51.5	593.5
KULLU	264.4	312.6	577.6	65.0	1219.6
LAHAUL & SPITI	244.4	239.1	138.4	62.3	684.1
MANDI	167.5	213.3	1195.8	53.3	1630.0
SHIMLA	139.4	256.0	645.3	27.2	1068.0
SIRMAUR	127.6	146.8	1212.1	23.4	1509.8
SOLAN	262.9	170.1	831.9	29.0	1293.9
UNA	106.3	103.3	1019.2	41.1	1270.0
<b>JAMMU &amp; KASHMIR</b>					
ANANTNAG	403.2	470.1	293.3	95.3	1261.9
BADGAM	244.7	268.8	134.4	52.8	700.6

Districts	Winter	Pre-Monsoon	SW Monsoon	Post-Monsoon	Annual
BANDIPORE			282.0	67.0	
BARAMULA	467.3	393.6	408.1	110.3	1379.3
DODA	463.6	288.4	452.8	123.2	1328.0
GANDERBAL	295.2	300.0	278.5	94.0	967.7
JAMMU	218.0	99.6	819.5	61.7	1198.8
KARGIL		76.4	47.0	21.6	
KATHUA	167.4	109.2	1105.2	94.0	1475.8
KISTWAR					
KULGAM	457.5	364.8	276.8	91.5	1190.6
KUPWARA	379.6	413.0	162.3	87.6	1042.5
LADAKH (LEH)	70.0	46.4	32.4	1.8	150.5
POONCH					
PULWAMA	296.4	276.6	205.2	78.7	856.9
RAJOURI	223.0	160.0	502.3	71.6	956.9
RAMBAN	611.2	445.9	412.6	134.6	1604.2
REASI	299.5	172.3	1967.0	139.7	2578.5
SAMBA	131.6	55.4	581.8	46.7	815.5
SHOPIAN			287.0	96.6	
SRINAGAR	362.3	356.2	208.2	58.4	985.1
UDHAMPUR	474.7	174.7	752.6	73.3	1475.3
<b>JHARKHAND</b>					
BOKARO	2.9	69.8	1070.8	78.4	1221.8
CHATRA	8.7	22.4	705.3	32.0	768.3
DEOGHAR	2.7	91.8	828.3	175.5	1098.3
DHANBAD	9.5	73.8	981.3	176.2	1240.7
DUMKA	12.0	70.8	1440.3	368.2	1891.3
EAST SINGBHUM	0.0	426.0	1558.8	161.7	2146.5
GARHWA	7.5	3.0	419.4	22.6	452.5
GIRIDIH	4.4	62.6	753.9	163.3	984.2
GODDA	1.4	26.6	680.9	203.3	912.2

Districts	Winter	Pre-Monsoon	SW Monsoon	Post-Monsoon	Annual
GUMLA	0.0	16.3	1045.2	58.3	1119.8
HAZARIBAG	11.2	38.5	1058.8	98.0	1206.5
JAMTARA			918.7		
KHUNTI	1.5	0.0	938.5	44.1	984.1
KODERMA	0.9	10.6	794.5	44.7	850.7
LATEHAR	27.1	19.1	1070.4	76.9	1193.5
LOHARDAGA	7.9	22.7	1155.6	86.1	1272.3
PAKUR	1.3	77.3	1278.4	198.8	1555.8
PALAMU	15.1	9.2	765.1	14.1	803.5
RAMGARH			1477.9		
RANCHI	0.2	33.2	1047.3	70.0	1150.7
SAHIBGANJ	0.0	186.0	1331.4	127.6	1645.0
SERAIKELA-KHARSAWAN	0.0	151.5	1051.1	126.8	1329.4
SIMDEGA	0.0	6.2	1431.5	37.4	1475.1
WEST SINGBHUM	0.0	109.2	786.1	98.4	993.7
<b>KARNATAKA</b>					
BAGALKOTE	0.0	70.6	408.2	150.2	629.0
BALLARI	0.0	83.2	477.6	168.5	729.2
BELAGAVI	0.0	74.3	629.2	136.2	839.7
BENGALURU RURAL	0.9	256.9	639.6	362.5	1259.9
BENGALURU URBAN	0.5	257.9	699.4	286.2	1244.1
BIDAR	0.0	47.5	641.7	165.8	855.0
CHAMARAJANAGAR	0.0	267.3	420.2	237.1	924.5
CHIKABALLAPURA	0.6	237.3	408.3	312.6	958.8
CHIKKAMAGALURU	0.1	175.8	1199.0	131.1	1506.1
CHITRADURGA	0.0	53.5	333.3	196.2	583.0
DAKSHINA KANNADA	4.2	181.6	2662.6	242.1	3090.4
DAVANGERE	0.0	89.6	457.3	194.7	741.5
DHARWAD	0.0	92.2	393.8	94.6	580.7
GADAG	0.0	81.3	344.5	132.4	558.2

Districts	Winter	Pre-Monsoon	SW Monsoon	Post-Monsoon	Annual
HASSAN	8.0	223.5	541.9	131.0	904.4
HAVERI	0.0	118.1	466.2	173.9	758.2
KALABURGI	0.0	51.6	616.4	148.4	816.4
KODAGU	57.5	281.7	1822.6	126.3	2288.1
KOLAR	11.0	194.2	544.8	418.0	1168.0
KOPPAL	0.0	76.6	531.2	165.8	773.5
MANDYA	2.9	331.6	531.7	192.3	1058.4
MYSURU	8.8	328.8	546.4	139.8	1023.8
RAICHUR	0.0	50.7	516.5	200.3	767.5
RAMANAGARA	1.9	353.2	674.2	267.1	1296.3
SHIVAMOGGA	0.3	123.6	1253.6	95.3	1472.6
TUMAKURU	4.2	165.8	402.0	248.3	820.4
UDUPI	0.0	163.6	3587.1	342.9	4093.7
UTTARA KANNADA	0.0	114.0	2213.1	152.6	2479.7
VIJAYAPURA	0.0	53.5	431.4	157.0	641.9
YADGIR	0.0	20.9	528.7	173.4	723.0
<b>KERALA</b>					
ALAPUZHA	30.8	414.3	1587.0	484.8	2516.9
CANNUR	11.5	235.5	2301.3	246.1	2794.3
ERNAKULAM	16.8	435.3	2002.9	539.0	2994.1
IDUKKI	13.9	403.3	2059.0	493.4	2969.6
KASARGOD	18.1	87.3	2645.6	180.1	2931.1
KOLLAM	22.9	642.2	1355.5	950.0	2970.6
KOTTAYAM	28.0	502.4	1929.1	633.8	3093.3
KOZHIKODE	7.8	341.1	2521.6	271.5	3142.1
MALAPPURAM	4.0	178.8	1928.2	343.7	2454.8
PALAKKAD	0.0	250.9	1524.0	176.8	1951.7
PATHANAMTHITTA	30.9	674.6	1754.0	892.3	3351.8
THIRUVANANTHAPURAM	5.0	367.6	764.0	667.4	1804.0
THRISSUR	1.4	232.2	1876.0	316.5	2426.1

Districts	Winter	Pre-Monsoon	SW Monsoon	Post-Monsoon	Annual
WYNAD	14.5	293.4	1652.1	165.0	2125.1
<b>LAKSHADWEEP(UT)</b>					
LAKSHADWEEP	22.2	247.8	1108.3	360.7	1738.9
<b>MADHYA PRADESH</b>					
AGAR-MALWA	0.3	0.1	814.6	0.5	815.5
ALIRAJPUR	0.0	0.0	758.9	28.5	787.3
ANUPPUR	13.7	4.1	892.8	24.2	934.8
ASHOKNAGAR	1.8	40.8	806.8	0.0	849.3
BALAGHAT	10.5	8.2	847.3	49.4	915.4
BARWANI	0.0	0.0	622.0	23.9	645.9
BETUL	7.1	0.6	728.7	71.6	808.0
BHIND	27.9	11.2	445.9	7.8	492.8
BHOPAL	6.2	18.6	781.0	0.2	806.0
BURHANPUR	4.7	0.0	850.9	55.8	911.5
CHHATARPUR	1.7	5.7	669.5	0.0	677.0
CHHINDWARA	14.6	23.0	770.3	75.1	883.0
DAMOH	9.0	8.5	708.3	1.0	726.8
DATIA	26.8	28.2	529.8	1.0	585.8
DEWAS	0.7	6.0	797.8	5.7	810.2
DHAR	0.1	3.6	741.5	16.5	761.7
DINDORI	12.0	0.0	847.2	55.6	914.8
GUNA	13.7	14.7	778.5	1.5	808.3
GWALIOR	30.1	24.0	572.1	5.5	631.6
HARDA	6.0	0.0	659.9	9.9	675.8
HOSHANGABAD	10.4	9.1	1011.2	13.1	1043.8
INDORE	0.0	1.7	773.6	1.6	776.8
JABALPUR	28.4	25.7	838.2	10.2	902.5
JHABUA	0.0	0.5	838.1	7.1	845.6
KATNI	9.0	14.3	1090.5	2.0	1115.8
KHANDWA	0.0	1.7	942.8	33.3	977.8

Districts	Winter	Pre-Monsoon	SW Monsoon	Post-Monsoon	Annual
KHARGONE	0.0	0.2	720.1	55.2	775.5
MANDLA	9.8	13.3	905.3	15.7	944.1
MANDSAUR	0.5	5.3	662.5	0.5	668.7
MORENA	20.3	17.4	445.9	9.0	492.5
NARSINGHPUR	14.2	14.4	728.2	20.2	777.0
NEEMUCH	1.3	0.7	797.3	1.7	801.0
PANNA	4.8	10.6	842.0	0.0	857.3
RAISEN	12.8	12.3	882.4	19.9	927.5
RAJGARH	0.4	7.2	827.0	6.0	840.6
RATLAM	0.0	2.4	971.8	3.7	978.0
REWA	8.8	3.1	879.7	0.0	891.6
SAGAR	12.4	12.2	848.3	11.3	884.2
SATNA	5.6	4.7	729.1	3.9	743.3
SEHORE	3.3	5.1	892.5	4.6	905.5
SEONI	15.9	19.5	847.2	24.5	907.1
SHAHDOL	13.0	7.0	698.5	25.0	743.5
SHAJAPUR	0.0	3.2	649.0	11.0	663.2
SHEOPUR	5.8	19.1	404.6	6.5	436.0
SHIVPURI	19.5	4.5	497.4	1.8	523.1
SIDHI	10.2	9.8	722.4	5.6	748.0
SINGRAULI	13.3	31.5	810.5	11.6	866.9
TIKAMGARH	4.5	10.0	584.5	0.0	599.0
UJJAIN	0.0	30.2	774.5	9.4	814.1
UMARIA	20.7	45.8	657.1	5.0	728.6
VIDISHA	4.1	8.4	792.2	7.2	811.8
<b>MAHARASHTRA</b>					
AHMEDNAGAR	0.0	8.9	673.2	112.3	794.4
AKOLA	0.0	0.1	548.1	86.5	634.7
AMRAOTI	0.0	3.2	552.6	61.0	616.9
AURANGABAD	0.0	1.3	551.5	105.9	658.7

Districts	Winter	Pre-Monsoon	SW Monsoon	Post-Monsoon	Annual
BEED	0.0	8.6	637.4	124.7	770.6
BHANDARA	0.6	23.7	826.3	51.5	902.1
BULDHANA	0.3	1.2	656.7	57.2	715.4
CHANDRAPUR	0.0	39.1	768.3	50.1	857.5
DHULE	0.0	0.0	512.6	90.3	602.9
GADCHIROLI	0.0	20.2	1015.8	67.7	1103.6
GONDIA	2.6	24.5	780.3	48.9	856.2
HINGOLI	0.0	2.8	613.0	71.4	687.2
JALGAON	0.0	13.0	548.3	50.4	611.6
JALNA	0.0	2.8	583.3	98.9	685.0
KOLHAPUR	0.6	60.2	1492.3	173.9	1727.1
LATUR	0.0	15.4	763.3	95.5	874.2
MUMBAI CITY	0.0	0.0	2253.4	200.8	2454.2
MUMBAI SUBURBAN	0.0	3.5	2946.3	159.4	3109.2
NAGPUR	0.6	17.6	890.7	41.7	950.5
NANDED	0.0	12.1	634.7	65.0	711.8
NANDURBAR	0.0	0.0	734.2	62.5	796.7
NASHIK	0.0	12.9	1197.2	137.5	1347.6
OSMANABAD	0.0	17.6	782.1	180.6	980.3
PALGHAR	0.0	0.8	3024.0	181.1	3205.9
PARBHANI	0.0	1.9	595.4	94.0	691.3
PUNE	0.0	24.6	1302.9	130.6	1458.1
RAIGAD	0.0	22.2	3652.3	187.9	3862.5
RATNAGIRI	0.0	93.6	3434.9	167.1	3695.6
SANGLI	0.0	30.1	448.1	136.7	614.8
SATARA	0.0	43.0	835.4	137.2	1015.6
SHOLAPUR	0.0	9.9	590.2	164.4	764.4
SINDHUDURG	0.0	84.7	2915.3	202.9	3202.8
THANE	0.0	1.3	3243.8	205.1	3450.2
WARDHA	0.0	8.3	757.7	46.8	812.9

Districts	Winter	Pre-Monsoon	SW Monsoon	Post-Monsoon	Annual
WASHIM	0.0	1.3	592.3	84.6	678.2
YEOTMAL	0.0	4.4	562.2	52.2	618.8
<b>MANIPUR</b>					
BISHNUPUR					
CHANDEL					
CHURACHANDPUR					
IMPHAL EAST	27.3	572.1	1059.4	341.7	2000.5
IMPHAL WEST	13.6	847.5	2551.0	486.7	3898.8
SENAPATI	49.0		737.0		
TAMENGLONG					
THOUBAL		276.0	515.0		
UKHRUL					
<b>MEGHALAYA</b>					
EAST GARO HILLS	3.3	1523.4	3394.3	444.0	5365.0
EAST KHASI HILLS	215.0	1596.7	5348.5	519.5	7679.8
JAINTIA HILLS	8.0				
RI-BHOI	13.4	292.1	870.8	170.1	1346.3
SOUTH GARO HILLS	6.0	510.0			
WEST GARO HILLS	1.0	661.7	1295.5	198.2	2156.4
WEST KHASI HILLS	9.0				
<b>MIZORAM</b>					
AIZWAL	16.4	752.2	1726.3	410.0	2904.8
CHAMPHAI					
CHHIMTUIPUI					
KOLASIB					
LAWNGTLAI					
LUNGLEI	0.0	496.3	4276.5	222.5	4995.3
MAMIT					
SAIHA	0.0	212.0			
SERCHHIP	0.0	586.4	2468.4	530.5	3585.3

Districts	Winter	Pre-Monsoon	SW Monsoon	Post-Monsoon	Annual
<b>NAGALAND</b>					
DIMAPUR	0.7	428.4	1542.5	176.8	2148.4
KEPHIRE	0.0	250.0			
KOHIMA	2.1	428.3	1354.5	215.9	2000.8
LONGLENG					
MOKOKCHUNG					
MON		584.2	1495.3		
PAREN					
PHEK	6.4	270.7	856.6		
TUENSANG					
WOKHA	2.0	519.0	418.0		
ZUNHEBOTO					
<b>ODISHA</b>					
ANGUL	6.7	65.4	773.0	144.3	989.4
BALASORE	0.0	323.2	966.9	308.9	1599.1
BARGARH	4.9	24.0	859.9	61.0	949.7
BHADRAK	0.0	88.4	809.2	320.6	1218.1
BOLANGIR	0.6	10.6	779.6	71.5	862.2
BOUDHGORH	0.0	5.1	980.2	168.9	1154.2
CUTTACK	0.0	60.1	1100.1	297.8	1458.0
DEOGARH	0.3	105.1	1329.3	67.1	1501.8
DHENKANAL	0.0	107.2	820.4	229.1	1156.7
GAJAPATI	0.0	238.3	922.1	271.2	1431.6
GANJAM	0.0	149.2	949.0	265.2	1363.4
JAGATSINGHPUR	0.0	59.4	1109.7	534.4	1703.5
JAJPUR	0.0	149.0	811.9	361.7	1322.6
JHARSUGUDA	10.7	71.5	1159.1	90.8	1332.2
KALAHANDI	0.0	45.4	1192.1	120.6	1358.0
KANDHAMAL	0.0	65.3	879.3	239.1	1183.8
KENDRAPARA	0.0	112.5	991.7	416.1	1520.4

Districts	Winter	Pre-Monsoon	SW Monsoon	Post-Monsoon	Annual
KEONJHARGARH	1.8	184.1	987.9	204.0	1377.9
KHURDA	3.4	70.8	970.3	319.1	1363.5
KORAPUT	0.0	94.7	1231.5	240.2	1566.4
MALKANGIRI	0.0	47.0	1933.8	120.0	2100.8
MAYURBHANJ	1.4	201.5	1041.1	260.1	1504.2
NAWAPARA	0.0	1.2	840.5	114.7	956.4
NAWARANGPUR	0.0	76.7	1288.2	103.0	1467.8
NAYAGARH	0.0	91.2	873.8	230.1	1195.0
PURI	0.0	42.1	1035.1	505.0	1582.2
RAYAGADA	0.0	112.1	1082.9	224.4	1419.4
SAMBALPUR	15.5	57.8	1163.2	63.5	1300.0
SONEPUR	0.0	7.4	928.9	127.8	1064.1
SUNDARGARH	2.0	58.1	1192.2	70.1	1322.4
<b>PONDICHERRY (UT)</b>					
KARAikal	180.1	205.3	238.0	1197.0	1820.4
PUDUCHERRY	105.9	9.9	473.3	862.6	1451.7
<b>PUNJAB</b>					
AMRITSAR	44.7	67.0	459.2	14.0	584.9
BARNALA		19.0	276.3	17.5	
BHATINDA	11.6	13.7	310.7	20.7	356.6
FARIDKOT		29.7	273.6	25.4	
FATEHGARH SAHIB	76.0	31.5	419.8	6.3	533.5
FEROZEPUR	9.2	14.9	59.8	10.3	94.2
GURDASPUR	115.1	78.6	1009.3	79.6	1282.5
HOSHIARPUR	64.3	32.8	407.5	23.4	527.9
JALANDHAR	34.3	65.5	343.4	22.4	465.6
KAPURTHALA	27.9	75.1	607.2	28.0	738.3
LUDHIANA	39.2	49.7	463.2	24.7	576.8
MANSA		1.0	220.7	16.5	
MOGA	16.4	18.3	476.6	23.0	534.3

Districts	Winter	Pre-Monsoon	SW Monsoon	Post-Monsoon	Annual
MUKTSAR	5.3	19.9	286.0	18.5	329.7
NAWANSHAHAR	93.9	105.7	793.8	30.9	1024.3
PATIALA	59.3	37.1	435.4	14.0	545.7
ROPAR	132.3	81.3	805.6	36.0	1055.2
SANGRUR	43.8	31.6	209.6	15.4	300.3
SAS NAGAR (MOHALI)	121.0	33.0	493.9	22.5	670.4
TARN TARAN	56.0	22.0	172.0	25.5	275.5
<b>RAJASTHAN</b>					
AJMER	8.5	43.3	486.7	1.7	540.2
ALWAR	22.8	38.6	300.3	2.6	364.4
BANSWARA	0.0	7.4	892.1	6.1	905.6
BARAN	2.6	9.6	531.8	7.3	551.3
BARMER	2.6	13.6	465.9	1.3	483.4
BHARATPUR	21.4	25.3	321.6	1.1	369.4
BHILWARA	5.3	39.8	558.8	0.0	603.8
BIKANER	1.6	31.7	212.5	4.6	250.4
BUNDI	4.7	22.8	451.8	7.5	486.8
CHITTORGARH	4.5	25.3	688.2	6.8	724.7
CHURU	20.7	50.0	280.0	6.7	357.4
DAUSA	14.6	34.0	323.4	3.8	375.8
DHOLPUR	14.3	25.7	344.5	0.8	385.4
DUNGARPUR	0.0	0.3	825.1	6.3	831.8
HANUMANGARH	7.0	20.6	210.6	3.2	241.4
JAIPUR	20.9	16.7	342.9	4.7	385.2
JAISALMER	3.1	41.4	226.1	2.5	273.1
JALORE	4.8	13.7	892.8	0.3	911.7
JHALAWAR	2.0	10.9	799.0	2.5	814.4
JHUNJHUNU	14.3	33.8	253.1	7.8	309.1
JODHPUR	9.3	65.3	400.5	0.4	475.5
KARAULI	14.5	13.5	319.5	0.0	347.5

Districts	Winter	Pre-Monsoon	SW Monsoon	Post-Monsoon	Annual
KOTA	0.4	6.5	465.5	2.1	474.5
NAGAUR	14.3	26.7	366.6	0.4	408.0
PALI	4.0	32.6	785.5	0.6	822.7
PRATAPGARH	0.8	15.4	1090.8	8.6	1115.6
RAJSAMAND	0.0	1.8	728.1	0.7	730.6
SAWAI MADHOPUR	12.3	13.9	394.2	11.6	432.0
SIKAR	1.4	28.1	296.1	2.9	328.5
SIROHI	0.0	13.4	1815.5	3.3	1832.3
SRI GANGANAGAR	5.7	15.1	147.5	5.4	173.6
TONK	13.5	28.3	418.0	4.9	464.8
UDAIPUR	2.7	11.4	810.6	0.7	825.3
<b>SIKKIM</b>					
EAST SIKKIM	16.7	694.0	1479.1	89.9	2279.6
NORTH SIKKIM	36.3	765.0	2175.4	243.7	3220.3
SOUTH SIKKIM	5.6	445.9	1452.3	82.2	1986.0
WEST SIKKIM			2125.1	75.4	
<b>TAMILNADU</b>					
ARIYALUR	108.3	43.7	549.4	491.8	1193.1
CHENNAI	4.5	1.8	449.8	937.8	1393.8
COIMBATORE	10.4	170.5	510.0	182.5	873.4
CUDDALORE	114.4	23.3	467.3	775.8	1380.8
DHARMAPURI	8.4	241.0	402.4	254.7	906.3
DINDIGUL	38.9	151.4	410.1	325.1	925.6
ERODE	10.8	258.4	311.1	196.4	776.7
KANCHEEPURAM	16.4	14.4	493.9	672.5	1197.2
KANYAKUMARI	2.1	152.4	410.8	611.2	1176.5
KARUR	17.2	127.7	336.1	234.3	715.3
KRISHNAGIRI	5.7	285.1	525.1	329.7	1145.6
MADURAI	33.3	177.3	407.5	286.5	904.5
NAGAPATTINAM	146.3	51.4	299.0	1132.3	1628.9

Districts	Winter	Pre-Monsoon	SW Monsoon	Post-Monsoon	Annual
NAMAKKAL	6.3	141.7	379.1	256.6	783.6
NILGIRIS	58.1	329.2	731.5	350.3	1469.2
PERAMBALUR	24.3	122.1	552.3	306.8	1005.4
PUDUKKOTTAI	55.2	54.4	407.3	207.5	724.3
RAMANATHAPURAM	67.0	69.3	211.2	259.1	606.6
SALEM	12.2	167.8	484.6	341.9	1006.6
SIVAGANGA	74.7	107.3	526.3	259.2	967.5
THANJAVUR	103.4	60.4	479.5	433.7	1077.0
THENI	22.3	147.0	366.5	280.7	816.5
TIRUNELVELI	70.9	178.0	212.7	665.4	1127.0
TIRUPPUR	7.6	106.2	310.4	255.6	679.8
TIRUVALLUR	6.0	15.9	503.3	677.9	1203.1
TIRUVANNAMALAI	47.0	57.5	621.9	524.9	1251.4
TIRUVARUR	125.1	30.5	390.5	701.8	1247.9
TOOTHUKUDI	18.8	36.7	105.5	353.6	514.5
TRICHY	24.7	107.8	333.8	223.7	689.9
VELLORE	23.1	106.9	573.6	338.8	1042.5
VILLUPURAM	40.2	49.8	441.2	535.7	1066.9
VIRUDHUNAGAR	29.4	144.8	293.5	332.3	800.0
<b>TELANGANA</b>					
ADILABAD	0.0	41.5	720.5	83.9	845.9
HYDERABAD	0.0	63.6	708.2	248.4	1020.2
KARIMNAGAR	0.0	12.7	599.9	125.6	738.2
KHAMMAM	0.0	75.3	880.9	72.7	1028.8
MAHBUBNAGAR	0.0	37.8	509.0	163.5	710.3
MEDAK	0.0	18.3	632.1	101.9	752.3
NALGONDA	0.0	20.0	527.4	106.9	654.3
NIZAMABAD	0.0	19.6	691.7	119.6	830.9
RANGAREDDY	0.0	34.1	570.7	169.5	774.3
WARANGAL	0.0	26.0	823.9	122.3	972.2

Districts	Winter	Pre-Monsoon	SW Monsoon	Post-Monsoon	Annual
<b>TRIPURA</b>					
DHALAI	24.2	940.7	1643.3	617.6	3225.8
NORTH TRIPURA	5.3	1162.4	2033.9	434.7	3636.2
SOUTH TRIPURA	16.1	648.4	1824.3	456.8	2945.7
WEST TRIPURA	33.8	869.6	2135.8	355.2	3394.4
<b>UTTAR PRADESH</b>					
AGRA	12.4	32.6	274.2	3.0	322.2
ALIGARH	24.6	59.3	558.3	5.4	647.6
ALLAHABAD	0.2	5.9	685.7	0.4	692.2
AMBEDKAR NAGAR	6.0	41.3	735.7	0.0	783.0
AMETHI	2.5	9.0	369.3	1.0	381.8
AURAIYA	5.0	19.0	309.5	0.0	333.5
AZAMGARH	8.3	22.3	912.7	0.5	943.9
BADAUN	29.0	39.4	571.0	0.0	639.5
BAGHPAT	68.5	38.9	553.5	10.4	671.3
BAHRAICH	22.0	129.0	930.4	12.8	1094.2
BALLIA	6.3	46.8	539.0	2.8	594.9
BALRAMPUR	7.0	19.5	606.3	15.9	648.6
BANDA	0.0	15.4	492.9	0.0	508.3
BARABANKI	8.3	19.3	813.4	0.0	841.0
BAREILLY	38.3	20.4	863.6	4.5	926.7
BASTI	18.2	70.9	805.2	14.3	908.6
BIJNOR	51.8	30.9	966.8	5.2	1054.8
BULANDSHAHAR	25.8	17.5	503.6	1.3	548.2
CHANDAULI	1.0	0.0	444.4	0.0	445.4
DEORIA	6.5	58.9	537.6	0.0	603.0
ETAH	16.4	27.0	482.4	0.0	525.8
ETAWAH	8.0	20.0	367.7	0.0	395.7
FAIZABAD	14.8	8.4	593.3	0.0	616.4
FARRUKHABAD	6.7	33.7	608.3	0.0	648.7

Districts	Winter	Pre-Monsoon	SW Monsoon	Post-Monsoon	Annual
FATEHPUR	7.2	53.5	473.4	0.0	534.0
FIROZABAD	13.8	22.2	618.1	1.3	655.4
GAUTAM BUDDHA NAGAR	4.0	10.0	290.1	1.0	305.1
GHAZIABAD	22.7	16.9	348.8	4.5	392.8
GHAZIPUR	0.0	40.0	650.3	5.9	696.2
GONDA	10.5	49.0	617.3	0.0	676.8
GORAKHPUR	6.5	56.9	952.2	7.0	1022.5
HAMIRPUR	8.0	19.3	340.3	12.3	380.0
HARDOI	19.8	19.5	520.7	0.2	560.1
JALAUN	22.2	20.2	319.3	0.0	361.7
JAUNPUR	3.9	7.6	398.7	0.9	411.0
JHANSI	4.9	7.4	452.9	3.3	468.5
JYOTIBA PHULE NAGAR	23.5	43.0	748.5	1.1	816.1
KANNAUJ	24.0	58.0	649.7	0.0	731.7
KANPUR CITY	15.1	17.2	457.4	0.3	490.0
KANPUR DEHAT	7.0	15.2	335.3	0.0	357.5
KANSHIRAM NAGAR	31.0	39.0	637.0	0.0	707.0
KAUSHAMBI	0.0	2.4	576.1	0.0	578.5
KHERI	38.5	74.6	932.7	0.0	1045.8
KUSHI NAGAR	2.5	33.8	421.7	0.0	458.0
LALITPUR	8.0	8.0	658.0	0.0	674.0
LUCKNOW	7.9	5.5	654.1	5.0	672.5
MAHAMAYA NAGAR	20.0	12.0	260.5	0.0	292.5
MAHARAJGANJ	5.8	80.7	857.5	2.5	946.5
MAHOBA	0.0	16.4	480.1	0.0	496.5
MAINPURI	9.1	17.9	569.4	0.0	596.4
MATHURA	1.0	2.0	260.7	0.0	263.7
MAU	10.0	14.0	378.2	0.0	402.2
MEERUT	47.8	36.5	511.5	7.1	602.9
MIRZAPUR	0.5	15.5	550.4	0.0	566.4

Districts	Winter	Pre-Monsoon	SW Monsoon	Post-Monsoon	Annual
MORADABAD	25.0	19.2	892.2	4.2	940.6
MUZAFFARNAGAR	51.9	20.9	477.3	5.2	555.3
PILIBHIT	15.4	2.4	446.7	0.7	465.1
PRATAPGARH	1.7	9.7	827.9	2.7	841.9
RAE BAREILLY	5.3	5.0	421.8	0.0	432.1
RAMPUR	12.0	21.8	484.9	0.7	519.5
SAHARANPUR	51.7	16.7	690.4	2.7	761.4
SAHUJI MAHARAJ NAGAR	0.0	1.5	832.9	0.0	834.4
SANT KABIR NAGAR	5.0	104.0	1047.0	0.0	1156.0
SANT RAVIDAS NAGAR	22.0	0.0	428.0	2.0	452.0
SHAHJAHANPUR	21.9	42.4	508.1	0.0	572.4
SHRAWASTI NAGAR		23.0	981.7	40.1	
SIDDHARTH NAGAR	0.0	12.2	1144.7	2.1	1159.0
SITAPUR	15.0	41.3	585.0	0.0	641.2
SONBHADRA	6.0	17.8	704.0	18.5	746.2
SULTANPUR	16.5	10.0	521.6	0.1	548.2
UNNAO	16.3	19.8	424.8	0.4	461.2
VARANASI	4.9	11.9	745.1	3.7	765.4
<b>UTTARAKHAND</b>					
ALMORA	31.1	149.6	997.5	6.1	1184.2
BAGESHWAR	14.8	150.0	1129.2	6.8	1300.9
CHAMOLI	49.3	290.1	1242.1	22.5	1604.0
CHAMPAWAT	36.0	92.0	1270.9	6.0	1404.9
DEHRADUN	52.3	155.6	1718.6	23.7	1950.2
GARHWAL PAURI	37.8	92.4	898.3	15.0	1043.4
GARHWAL TEHRI	80.8	161.9	787.9	27.2	1057.8
HARDWAR	35.4	79.5	927.1	13.7	1055.7
NAINITAL	64.6	199.5	1750.8	3.5	2018.3
PITHORAGARH	42.5	276.8	1488.3	34.6	1842.2
RUDRAPRAYAG	43.4	427.5	1492.0	37.4	2000.3

Districts	Winter	Pre-Monsoon	SW Monsoon	Post-Monsoon	Annual
UDHAM SINGH NAGAR	25.1	18.0	946.7	1.8	991.6
UTTARKASHI	77.0	288.1	951.5	37.3	1354.0
<b>WEST BENGAL</b>					
BANKURA	0.0	121.1	1379.5	279.6	1780.2
BIRBHAM	4.6	193.6	1048.9	221.7	1468.9
BURDWAN	1.2	232.2	1151.1	283.7	1668.2
COOCH BEHAR	0.1	643.6	2286.9	188.1	3118.6
DARJEELING	5.5	416.5	2590.0	71.4	3083.3
EAST MIDNAPORE	0.0	166.8	1094.0	270.4	1531.2
HOOGHLY	0.0	150.9	1029.1	257.4	1437.4
HOWRAH	0.1	148.2	1241.7	269.3	1659.3
JALPAIGURI	2.8	472.6	2964.2	208.5	3648.0
KOLKATA	0.1	185.3	1429.3	305.6	1920.3
MALDA	0.9	217.8	1209.8	149.6	1578.1
MURSHIDABAD	2.7	200.5	858.2	125.6	1187.0
NADIA	0.0	160.9	973.8	200.2	1334.9
NORTH 24 PARGANAS	0.0	137.0	1256.5	356.3	1749.8
NORTH DINAJPUR	3.4	300.4	1298.5	257.2	1859.5
PURULIA	0.1	172.6	1200.9	192.2	1565.8
SOUTH 24 PARGANAS	0.1	140.0	1173.3	361.8	1675.2
SOUTH DINAJPUR	1.6	200.9	966.9	75.7	1245.0
WEST MIDNAPORE	5.0	170.5	1131.8	244.9	1552.1

Table 23: % Departure of District-wise seasonal and annual rainfall – 2017

Districts	Winter	Pre-Monsoon	SW Monsoon	Post-Monsoon	Annual
<b>A &amp; N ISLAND</b>					
NICOBAR	301%	3%	-24%	12%	12%
NORTH & MIDDLE ANDAMAN	46%	-27%	-21%	-9%	-18%
SOUTH ANDAMAN	111%	-4%	10%	5%	9%
<b>ANDHRA PRADESH</b>					
ANANTAPUR	-96%	-27%	19%	34%	15%
CHITTOOR	1%	-11%	47%	16%	27%
CUDDAPAH	-65%	-27%	34%	8%	19%
EAST GODAVARI	-100%	-71%	14%	-55%	-13%
GUNTUR	-100%	-39%	18%	-57%	-9%
KRISHNA	-100%	-53%	1%	-47%	-16%
KURNOOL	-100%	-37%	13%	25%	9%
NELLORE	-76%	-59%	50%	-36%	-11%
PRAKASAM	-98%	-30%	20%	-70%	-24%
SRIKAKULAM	-100%	-20%	23%	-15%	7%
VISHAKHAPATNAM	-99%	-52%	8%	-50%	-16%
VIZIANAGARAM	-99%	-32%	9%	-23%	5%
WEST GODAVARI	-100%	-57%	3%	-55%	-17%
<b>ARUNACHAL PRADESH</b>					
ANJAW	41%	35%			
CHANGLANG	-82%	-51%	-39%	-66%	-49%
DIBANG VALLEY	-6%	11%	-40%	-36%	-17%
EAST KAMENG	-95%	16%	-42%	-87%	-36%
EAST SIANG	-44%	69%	3%	23%	14%
KURUNG KUMEY					
LOHIT	1%	11%	-11%	17%	-2%

Districts	Winter	Pre-Monsoon	SW Monsoon	Post-Monsoon	Annual
LOWER DIBANG VALLEY	-38%	88%	209%	16%	119%
LOWER SUBANSIRI					
PAPUMPARA	-43%	1%	9%	39%	8%
TAWANG	-42%	-14%	-74%		
TIRAP	-98%	-7%	-42%	-37%	-35%
UPPER SIANG	-32%	28%	4%	72%	15%
UPPER SUBANSIRI	-30%	25%	62%	-6%	42%
WEST KAMENG	-78%	-58%	-57%	-77%	-59%
WEST SIANG	-20%	16%	10%	36%	12%
<b>ASSAM</b>					
BAKSA	59%	-20%	-42%	-64%	-38%
BARPETA	12%	0%	-7%	22%	-4%
BONGAIGAON	23%	-2%	15%	55%	14%
CACHAR	-39%	26%	-3%	107%	13%
CHIRANG	-34%	39%	56%	72%	52%
DARRANG					
DHEMAJI	-6%	14%	1%		
DHUBRI	-59%	37%	-21%	-9%	-8%
DIBRUGARH	20%	5%	-22%	8%	-12%
GOALPARA	-30%	10%	10%	0%	9%
GOLAGHAT	7%	26%	1%	12%	9%
HAILAKANDI	17%	27%	-7%	38%	7%
JORHAT	-39%	7%	-8%	17%	-3%
KAMRUP (RURAL)	9%	39%	-4%	-10%	8%
KAMRUP METRO.	-68%	6%	-5%	-13%	-4%
KARBI ANGLONG	-82%	48%	1%	10%	10%
KARIMGANJ	34%	55%	23%	81%	38%
KOKRAJHAR	-99%	21%	4%	70%	10%
LAKHIMPUR	-33%	36%	17%	98%	25%
MORIGAON	-85%	23%	-22%	12%	-12%

Districts	Winter	Pre-Monsoon	SW Monsoon	Post-Monsoon	Annual
N. C. HILLS	-33%	9%	26%	59%	22%
NAGAON	-63%	20%	-22%	-10%	-13%
NALBARI	8%	-5%	-17%	6%	-12%
SHONITPUR	62%	-1%	9%	-17%	5%
SIBSAGAR	-34%	19%	-5%	21%	2%
TINSUKIA	11%	22%	-14%	67%	1%
UDALGURI	152%	-13%	-12%	37%	-6%
<b>BIHAR</b>					
ARARIA	-100%	-3%	4%	-25%	0%
ARWAL	-100%	23%	-33%	-100%	-37%
AURANGABAD	-100%	16%	1%	-92%	-7%
BANKA	-100%	54%	11%	36%	14%
BEGUSARAI	-100%	26%	-17%	0%	-14%
BHABUA	-100%	-95%	-17%	-100%	-26%
BHAGALPUR	-86%	54%	0%	163%	17%
BHOJPUR	-100%	-14%	-41%	-96%	-44%
BUXAR	-100%	179%	-12%	-59%	-11%
DARBHANGA	-100%	135%	14%	-98%	13%
EAST CHAMPARAN	-86%	71%	-22%	-100%	-23%
GAYA	-98%	-17%	-16%	-92%	-23%
GOPALGANJ	-92%	53%	-15%	-93%	-18%
JAHANABAD	-100%	-50%	-12%	-100%	-21%
JAMUI	-100%	99%	-22%	184%	-2%
KATIHKAR	-100%	48%	-6%	175%	9%
KHAGARIA	-100%	23%	-29%	8%	-24%
KISHANGANJ	-100%	21%	16%	-19%	14%
LAKHISARAI	-100%	-58%	-25%	56%	-23%
MADHEPURA	-100%	71%	-20%	-33%	-14%
MADHUBANI	-98%	74%	6%	-92%	3%
MONGHYR	-100%	13%	-26%	42%	-20%

Districts	Winter	Pre-Monsoon	SW Monsoon	Post-Monsoon	Annual
MUZAFFARPUR	-99%	60%	-24%	-98%	-25%
NALANDA	-100%	-49%	-24%	-81%	-30%
NAWADA	-100%	-69%	-30%	-61%	-35%
PATNA	-100%	20%	-30%	-71%	-32%
PURNEA	-73%	148%	-9%	49%	11%
ROHTAS	-98%	-11%	-1%	-89%	-9%
SAHARSA	-100%	30%	-28%	-72%	-26%
SAMASTIPUR	-100%	117%	6%	-61%	6%
SARAN	-100%	56%	-17%	-100%	-21%
SHEIKHPURA	-100%	32%	-27%	-43%	-27%
SHEOHAR	-100%	61%	-16%	-100%	-16%
SITAMARHI	-100%	12%	-19%	-98%	-22%
SIWAN	-99%	140%	-43%	-99%	-39%
SUPAUL	-99%	158%	4%	-61%	13%
VAISHALI	-100%	109%	-28%	-100%	-29%
WEST CHAMPARAN	-87%	170%	41%	-83%	40%
<b>CHANDIGARH (UT)</b>					
CHANDIGARH	67%	-51%	-11%	-77%	-12%
<b>CHHATTISGARH</b>					
BALOD	-100%	37%	34%	-65%	27%
BALODA BAZAR	-100%	-84%	-35%	-53%	-38%
BALRAMPUR	-96%	-97%	-19%	-70%	-25%
BASTAR	-100%	-34%	13%	3%	6%
BEMETARA	-95%	-88%	10%	-30%	2%
BIJAPUR	-100%	-47%	-18%	-6%	-19%
BILASPUR	-66%	-61%	-18%	-53%	-24%
DANTEWADA	-100%	68%	-4%	-23%	-5%
DHAMTARI	-98%	9%	2%	4%	1%
DURG	-82%	13%	-27%	3%	-25%
GARIABAND	-100%	-74%	-16%	16%	-17%

Districts	Winter	Pre-Monsoon	SW Monsoon	Post-Monsoon	Annual
JANJGIR	-100%	-78%	-22%	-33%	-25%
JASHPUR	-98%	-63%	-11%	-69%	-19%
KABIRDHAM	-100%	62%	50%	-43%	39%
KANKER	-100%	-100%	-11%	29%	-15%
KONDAGAON	-100%	-38%	-10%	92%	-5%
KORBA	-83%	-64%	-15%	-61%	-20%
KORIYA	-87%	-88%	-36%	-49%	-38%
MAHASAMUND	-100%	-100%	-13%	-21%	-17%
MUNGELI	-79%	-95%	-28%	-100%	-36%
NARAYANPUR	-100%	-50%	-22%	-38%	-25%
RAIGARH	-100%	-89%	-15%	-22%	-20%
RAIPUR	-76%	-69%	-25%	0%	-26%
RAJNANDGAON	-100%	-23%	-30%	-39%	-32%
SUKMA	-100%	-100%	39%	73%	36%
SURAJPUR	-100%	-95%	-4%	-83%	-11%
SURGUJA	-74%	-92%	9%	-43%	0%
<b>DADARA &amp; NAGAR HAVELI</b>					
DADARA & NAGAR HAVELI		-79%	41%		
<b>DAMAN &amp; DIU</b>					
DAMAN			14%		
DIU	-100%	-100%	61%	-25%	55%
<b>DELHI</b>					
CENTRAL DELHI	-42%	-40%	-8%	-86%	-15%
EAST DELHI	-2%				
NEW DELHI	-3%	73%	10%	-78%	9%
NORTH DELHI	-18%	-22%	-18%	-83%	-22%
NORTH EAST DELHI	-8%	-31%	-59%	-100%	-57%
NORTH WEST DELHI	28%	-53%	-34%	-91%	-35%
SOUTH DELHI	13%	154%	-28%	-80%	-18%

Districts	Winter	Pre-Monsoon	SW Monsoon	Post-Monsoon	Annual
SOUTH WEST DELHI	27%	5%	-33%	-84%	-31%
WEST DELHI	28%		-21%	-86%	
<b>GOA</b>					
NORTH GOA	-100%	-45%	-13%	-17%	-14%
SOUTH GOA	-100%	-42%	-15%	-25%	-16%
<b>GUJARAT</b>					
AHMEDABAD	-100%	-97%	16%	-89%	10%
AMRELI	-100%	-86%	7%	-18%	5%
ANAND	-100%	-84%	-11%	-95%	-16%
ARAVALLI	-100%	-100%	10%	-70%	6%
BANASKANTHA	-100%	-93%	102%	-98%	90%
BHARUCH	-100%	-100%	-5%	-14%	-6%
BHavnagar	-100%	-100%	7%	-23%	4%
BOTAD	-100%	-100%	39%	-85%	28%
CHHOTA UDEPUR	-100%	-100%	-22%	-58%	-24%
DAHOD	-100%	-85%	-24%	-82%	-28%
DANGS	-100%	-100%	-9%	109%	-5%
DEVBHOOMI DWARKA	-100%	-100%	50%	-100%	39%
GANDHINAGAR	-100%	-94%	68%	-75%	60%
GIR SOMNATH	-100%	-100%	32%	-45%	28%
JAMNAGAR	-100%	-100%	31%	-100%	22%
JUNAGADH	-100%	-100%	9%	-76%	5%
KHEDA	-100%	-100%	4%	-88%	0%
KUTCH	-82%	-100%	36%	-99%	27%
MAHISAGAR	-100%	-100%	-7%	-91%	-11%
MEHSANA	-100%	-100%	29%	-99%	22%
MORBI	-100%	-100%	94%	-95%	84%
NARMADA	-100%	-100%	-15%	13%	-14%
NAVSARI	-100%	-100%	-10%	43%	-9%
PANCHMAHAL	-100%	-100%	-12%	-76%	-15%

Districts	Winter	Pre-Monsoon	SW Monsoon	Post-Monsoon	Annual
PATAN	-100%	-100%	81%	-88%	73%
PORBANDAR	-100%	-100%	8%	-100%	1%
RAJKOT	-100%	-67%	42%	-99%	32%
SABARKANTHA	-100%	-100%	27%	-79%	22%
SURAT	-100%	-99%	-7%	74%	-5%
SURENDRANAGAR	-100%	-100%	70%	-95%	59%
TAPI	-100%	-100%	-35%	145%	-31%
VADODARA	-100%	-96%	-37%	-82%	-40%
VALSAD	-100%	-91%	18%	190%	22%
<b>HARYANA</b>					
AMBALA	47%	-29%	-31%	-87%	-29%
BHIWANI	-34%	-26%	-30%	-47%	-30%
FARIDABAD	-43%	33%	-1%	-82%	-4%
FATEHABAD	-27%	-85%	-51%	-72%	-54%
GURGAON	32%	-23%	-46%	-94%	-43%
HISAR	-1%	-64%	-24%	-77%	-28%
JHAJJAR	-19%	-50%	-6%	-94%	-12%
JIND	31%	-53%	-21%	-77%	-22%
KAITHAL	61%	-71%	7%	-85%	2%
KARNAL	29%	-43%	-3%	-84%	-8%
KURUKSHETRA	4%	-60%	-22%	-86%	-26%
MAHENDRAGARH	-24%	33%	-20%	-94%	-20%
MEWAT	37%	6%	-19%	-78%	-20%
PALWAL	-4%	10%	-34%	-83%	-34%
PANCHKULA	5%	-72%	-57%	-64%	-54%
PANIPAT	12%	-47%	-40%	-88%	-40%
REWARI	117%	52%	-16%	-89%	-12%
ROHTAK	-32%	-68%	-50%	-88%	-52%
SIRSA	-56%	-78%	-29%	-64%	-38%
SONEPAT	17%	-37%	-25%	-94%	-27%

Districts	Winter	Pre-Monsoon	SW Monsoon	Post-Monsoon	Annual
YAMUNA NAGAR	17%	-18%	-4%	-82%	-8%
<b>HIMACHAL PRADESH</b>					
BILASPUR	65%	23%	8%	-38%	13%
CHAMBA	16%	14%	-51%	-44%	-35%
HAMIRPUR	19%	4%	0%	-30%	0%
KANGRA	-11%	-20%	3%	-21%	-1%
KINNAUR	-17%	-20%	-39%	-49%	-29%
KULLU	44%	9%	11%	-34%	12%
LAHAUL & SPITI	-9%	-37%	-70%	-57%	-45%
MANDI	21%	10%	9%	-34%	8%
SHIMLA	0%	32%	2%	-64%	3%
SIRMAUR	14%	55%	-8%	-73%	-7%
SOLAN	91%	22%	-17%	-67%	-5%
UNA	16%	22%	18%	-43%	14%
<b>JAMMU &amp; KASHMIR</b>					
ANANTNAG	119%	28%	3%	-29%	30%
BADGAM	100%	-2%	-28%	-40%	4%
BANDIPORE			67%	-31%	
BARAMULA	71%	-12%	65%	-33%	22%
DODA	65%	-35%	3%	-28%	-1%
GANDERBAL	135%	16%	51%	-10%	44%
JAMMU	77%	-32%	-5%	-25%	-1%
KARGIL		14%	-5%	-61%	
KATHUA	16%	40%	13%	48%	16%
KISTWAR					
KULGAM	212%	-1%	3%	-3%	35%
KUPWARA	78%	-17%	-36%	-49%	-8%
LADAKH (LEH)	354%	87%	-18%	-88%	59%
POONCH					
PULWAMA	227%	33%	36%	43%	70%

Districts	Winter	Pre-Monsoon	SW Monsoon	Post-Monsoon	Annual
RAJOURI	77%	43%	-23%	2%	0%
RAMBAN	82%	9%	3%	-26%	21%
REASI	54%	2%	49%	26%	44%
SAMBA	7%	-62%	-32%	-43%	-33%
SHOPIAN			8%	-4%	
SRINAGAR	189%	38%	13%	-44%	46%
UDHAMPUR	107%	-27%	-45%	-43%	-25%
<b>JHARKHAND</b>					
BOKARO	-89%	-8%	2%	-20%	-2%
CHATRA	-77%	-36%	-32%	-53%	-34%
DEOGHAR	-89%	29%	-15%	97%	-5%
DHANBAD	-68%	-16%	-13%	52%	-8%
DUMKA	-60%	-37%	31%	159%	37%
EAST SINGBHUM	-100%	268%	47%	88%	66%
GARHWA	-71%	-89%	-55%	-63%	-57%
GIRIDIH	-80%	-13%	-29%	74%	-21%
GODDA	-93%	-69%	-28%	117%	-20%
GUMLA	-100%	-82%	-13%	-35%	-21%
HAZARIBAG	-62%	-38%	5%	-1%	1%
JAMTARA			-23%		
KHUNTI	-97%	-100%	-25%	-55%	-34%
KODERMA	-97%	-79%	-15%	-56%	-24%
LATEHAR	-23%	-63%	5%	-7%	0%
LOHARDAGA	-77%	-71%	15%	9%	6%
PAKUR	-95%	-43%	-1%	22%	-4%
PALAMU	-50%	-72%	-21%	-76%	-27%
RAMGARH			40%		
RANCHI	-99%	-65%	-10%	-30%	-18%
SAHIBGANJ	-100%	55%	2%	11%	6%
SERAIKELA-KHARSAWAN	-100%	55%	-7%	45%	-2%

Districts	Winter	Pre-Monsoon	SW Monsoon	Post-Monsoon	Annual
SIMDEGA	-100%	-92%	4%	-52%	-6%
WEST SINGBHUM	-100%	5%	-28%	25%	-24%
<b>KARNATAKA</b>					
BAGALKOTE	-100%	-17%	12%	4%	5%
BALLARI	-100%	-4%	27%	7%	17%
BELAGAVI	-100%	-33%	10%	-11%	0%
BENGALURU RURAL	-88%	88%	42%	51%	51%
BENGALURU URBAN	-94%	68%	47%	24%	43%
BIDAR	-100%	-25%	-8%	38%	-4%
CHAMARAJANAGAR	-100%	25%	31%	-3%	17%
CHIKABALLAPURA	-91%	126%	-1%	39%	28%
CHIKKAMAGALURU	-96%	-1%	-28%	-45%	-28%
CHITRADURGA	-100%	-44%	23%	23%	10%
DAKSHINA KANNADA	61%	-20%	-21%	-28%	-21%
DAVANGERE	-100%	-21%	19%	10%	10%
DHARWAD	-100%	-32%	-19%	-43%	-27%
GADAG	-100%	-25%	-6%	-18%	-13%
HASSAN	112%	33%	-6%	-41%	-6%
HAVERI	-100%	-6%	-6%	2%	-4%
KALABURGI	-100%	-17%	-1%	14%	-1%
KODAGU	646%	8%	-16%	-57%	-17%
KOLAR	53%	72%	42%	83%	60%
KOPPAL	-100%	6%	39%	17%	29%
MANDYA	-48%	110%	86%	-10%	60%
MYSURU	46%	69%	59%	-35%	35%
RAICHUR	-100%	-19%	12%	45%	15%
RAMANAGARA	-70%	96%	48%	10%	47%
SHIVAMOGGA	-72%	1%	-17%	-50%	-19%
TUMAKURU	-21%	29%	12%	21%	17%
UDUPI	-100%	-28%	-5%	8%	-5%

Districts	Winter	Pre-Monsoon	SW Monsoon	Post-Monsoon	Annual
UTTARA KANNADA	-100%	-18%	-19%	-27%	-19%
VIJAYAPURA	-100%	-25%	-1%	9%	-2%
YADGIR	-100%	-67%	-13%	13%	-13%
<b>KERALA</b>					
ALAPUZHA	-32%	-13%	-9%	-15%	-11%
CANNUR	154%	-22%	-14%	-29%	-16%
ERNAKULAM	-47%	-2%	-3%	10%	-1%
IDUKKI	-61%	-5%	-10%	-13%	-10%
KASARGOD	448%	-68%	-12%	-47%	-19%
KOLLAM	-55%	37%	2%	49%	19%
KOTTAYAM	-26%	9%	2%	18%	6%
KOZHIKODE	26%	-3%	-3%	-36%	-7%
MALAPPURAM	-28%	-44%	-6%	-23%	-13%
PALAKKAD	-99%	-10%	-3%	-59%	-15%
PATHANAMTHITTA	-52%	22%	2%	43%	13%
THIRUVANANTHAPURAM	-88%	0%	-12%	28%	0%
THRISSUR	-87%	-40%	-15%	-33%	-21%
WYNAD	11%	7%	-37%	-50%	-35%
<b>LAKSHADWEEP(UT)</b>					
LAKSHADWEEP	-38%	7%	11%	8%	9%
<b>MADHYA PRADESH</b>					
AGAR-MALWA	-98%	-99%	-7%	-99%	-14%
ALIRAJPUR	-100%	-100%	-5%	-39%	-9%
ANUPPUR	-75%	-93%	-24%	-66%	-31%
ASHOKNAGAR	-87%	641%	-7%	-100%	-8%
BALAGHAT	-71%	-72%	-37%	-40%	-38%
BARWANI	-100%	-100%	-2%	-54%	-8%
BETUL	-56%	-97%	-21%	-2%	-21%
BHIND	59%	11%	-35%	-84%	-35%
BHOPAL	-67%	-1%	-22%	-99%	-26%

Districts	Winter	Pre-Monsoon	SW Monsoon	Post-Monsoon	Annual
BURHANPUR	-33%	-100%	9%	-23%	3%
CHHATARPUR	-94%	-60%	-32%	-99%	-37%
CHHINDWARA	-55%	-33%	-13%	4%	-14%
DAMOH	-75%	-61%	-34%	-98%	-38%
DATIA	52%	88%	-32%	-98%	-32%
DEWAS	-94%	-47%	-16%	-90%	-21%
DHAR	-97%	-43%	-10%	-66%	-14%
DINDORI	-69%	-100%	-30%	-13%	-32%
GUNA	-29%	-17%	-17%	-97%	-21%
GWALIOR	30%	38%	-28%	-90%	-29%
HARDA	-61%	-100%	-37%	-84%	-40%
HOSHANGABAD	-48%	-55%	-22%	-79%	-25%
INDORE	-100%	-85%	-8%	-97%	-15%
JABALPUR	-4%	13%	-23%	-80%	-24%
JHABUA	-100%	-95%	12%	-87%	4%
KATNI	-73%	-2%	4%	-95%	-2%
KHANDWA	-100%	-90%	11%	-45%	4%
KHARGONE	-100%	-98%	-5%	10%	-6%
MANDLA	-79%	-67%	-27%	-76%	-32%
MANDSAUR	-93%	-54%	-15%	-99%	-21%
MORENA	6%	20%	-37%	-75%	-37%
NARSINGHPUR	-34%	4%	-32%	-54%	-32%
NEEMUCH	-82%	-94%	7%	-96%	-2%
PANNA	-87%	-31%	-21%	-100%	-27%
RAISEN	-34%	-16%	-21%	-61%	-23%
RAJGARH	-97%	-39%	-7%	-88%	-13%
RATLAM	-100%	-74%	12%	-94%	3%
REWA	-73%	-83%	-9%	-100%	-17%
SAGAR	-59%	-37%	-22%	-79%	-26%
SATNA	-86%	-74%	-24%	-91%	-30%

Districts	Winter	Pre-Monsoon	SW Monsoon	Post-Monsoon	Annual
SEHORE	-79%	-59%	-16%	-92%	-21%
SEONI	-57%	-54%	-18%	-67%	-24%
SHAHDOL	-69%	-73%	-30%	-47%	-33%
SHAJAPUR	-100%	-75%	-26%	-78%	-30%
SHEOPUR	-56%	44%	-44%	-83%	-45%
SHIVPURI	-2%	-65%	-36%	-96%	-39%
SIDHI	-71%	-60%	-29%	-89%	-34%
SINGRAULI	-42%	97%	-3%	-77%	-6%
TIKAMGARH	-83%	-11%	-31%	-100%	-36%
UJJAIN	-100%	268%	-7%	-83%	-10%
UMARIA	-57%	45%	-40%	-92%	-41%
VIDISHA	-81%	-23%	-21%	-85%	-25%
<b>MAHARASHTRA</b>					
AHMEDNAGAR	-100%	-70%	54%	8%	39%
AKOLA	-99%	-99%	-22%	13%	-22%
AMRAOTI	-100%	-82%	-30%	-20%	-31%
AURANGABAD	-100%	-94%	-7%	12%	-8%
BEED	-100%	-72%	12%	20%	9%
BHANDARA	-98%	-40%	-27%	-41%	-30%
BULDHANA	-96%	-93%	2%	-24%	-4%
CHANDRAPUR	-100%	6%	-32%	-40%	-33%
DHULE	-100%	-100%	-2%	39%	-1%
GADCHIROLI	-100%	-53%	-22%	-22%	-24%
GONDIA	-90%	-28%	-37%	-40%	-38%
HINGOLI	-100%	-90%	-28%	-24%	-30%
JALGAON	-100%	-2%	-15%	-28%	-16%
JALNA	-100%	-89%	-4%	6%	-6%
KOLHAPUR	-65%	-34%	-14%	7%	-13%
LATUR	-100%	-62%	1%	-12%	-4%
MUMBAI CITY	-100%	-100%	10%	132%	14%

Districts	Winter	Pre-Monsoon	SW Monsoon	Post-Monsoon	Annual
MUMBAI SUBURBAN	-100%	-83%	32%	61%	32%
NAGPUR	-98%	-52%	-4%	-50%	-11%
NANDED	-100%	-63%	-22%	-36%	-26%
NANDURBAR	-100%	-100%	-11%	25%	-11%
NASHIK	-100%	-38%	31%	45%	31%
OSMANABAD	-100%	-53%	25%	61%	26%
PALGHAR	-100%	-95%	25%	83%	26%
PARBHANI	-100%	-94%	-21%	-7%	-23%
PUNE	-100%	-33%	51%	11%	44%
RAIGAD	-100%	0%	17%	36%	18%
RATNAGIRI	-100%	165%	5%	-4%	6%
SANGLI	-100%	-63%	-12%	-2%	-16%
SATARA	-100%	-20%	15%	3%	11%
SHOLAPUR	-100%	-77%	24%	31%	18%
SINDHUDURG	-100%	33%	-4%	11%	-2%
THANE	-100%	-91%	33%	107%	35%
WARDHA	-100%	-78%	-14%	-47%	-21%
WASHIM	-100%	-94%	-28%	6%	-28%
YEOTMAL	-100%	-86%	-34%	-38%	-37%
<b>MANIPUR</b>					
BISHNUPUR					
CHANDEL					
CHURACHANDPUR					
IMPHAL EAST	-43%	30%	-9%	81%	9%
IMPHAL WEST	-74%	176%	163%	145%	155%
SENAPATI	13%		-42%		
TAMENGLONG					
THOUBAL		-1%	-38%		
UKHRUL					
<b>MEGHALAYA</b>					

Districts	Winter	Pre-Monsoon	SW Monsoon	Post-Monsoon	Annual
EAST GARO HILLS	-85%	131%	103%	121%	110%
EAST KHASI HILLS	444%	36%	16%	58%	25%
JAINTIA HILLS	-90%				
RI-BHOI	-57%	-35%	-41%	6%	-36%
SOUTH GARO HILLS	-66%	-12%			
WEST GARO HILLS	-94%	14%	-23%	9%	-12%
WEST KHASI HILLS	-82%				
<b>MIZORAM</b>					
AIZWAL	-64%	17%	-3%	22%	3%
CHAMPHAI					
CHHIMTUIPUI					
KOLASIB					
LAWNGTLAI					
LUNGLEI	-100%	-4%	129%	-30%	83%
MAMIT					
SAIHA	-100%	-59%			
SERCHHIP	-100%	7%	50%	106%	43%
<b>NAGALAND</b>					
DIMAPUR	-96%	49%	89%	-4%	65%
KEPHIRE	-100%	-47%			
KOHIMA	-95%	39%	4%	28%	10%
LONGLENG					
MOKOKCHUNG					
MON		54%	81%		
PAREN					
PHEK	-84%	-12%	-35%		
TUENSANG					
WOKHA	-97%	-8%	-75%		
ZUNHEBOTO					
ODISHA					

Districts	Winter	Pre-Monsoon	SW Monsoon	Post-Monsoon	Annual
ANGUL	-74%	-41%	-30%	24%	-27%
BALASORE	-99%	48%	-18%	31%	-5%
BARGARH	-79%	-54%	-24%	-3%	-25%
BHADRAK	-100%	-55%	-24%	61%	-19%
BOLANGIR	-98%	-87%	-34%	-20%	-37%
BOUDHGARH	-100%	-96%	-13%	10%	-20%
CUTTACK	-100%	-59%	-5%	76%	-4%
DEOGARH	-99%	54%	-2%	-7%	-2%
DHENIKANAL	-99%	-24%	-28%	47%	-21%
GAJAPATI	-100%	-15%	-1%	31%	-2%
GANJAM	-100%	-5%	14%	-5%	5%
JAGATSINGHPUR	-100%	-68%	-1%	142%	9%
JAJPUR	-100%	-14%	-30%	108%	-14%
JHARSUGUDA	-72%	-3%	-10%	12%	-10%
KALAHANDI	-100%	-47%	-1%	33%	-3%
KANDHAMAL	-100%	-51%	-22%	56%	-18%
KENDRAPARA	-100%	-28%	-9%	63%	-1%
KEONJHARGARH	-96%	-2%	-6%	42%	-4%
KHURDA	-91%	-44%	-11%	45%	-7%
KORAPUT	-100%	-40%	-2%	31%	-3%
MALKANGIRI	-100%	-56%	46%	-10%	34%
MAYURBHANJ	-96%	-8%	-17%	75%	-9%
NAWAPARA	-100%	-98%	-17%	41%	-20%
NAWARANGPUR	-100%	-56%	-4%	-16%	-12%
NAYAGARH	-100%	-21%	-20%	13%	-18%
PURI	-100%	-59%	1%	101%	12%
RAYAGADA	-100%	-41%	13%	58%	7%
SAMBALPUR	-52%	-15%	-15%	-12%	-15%
SONEPUR	-100%	-88%	-25%	86%	-24%
SUNDARGARH	-94%	-19%	1%	9%	-2%

Districts	Winter	Pre-Monsoon	SW Monsoon	Post-Monsoon	Annual
<b>PONDICHERRY (UT)</b>					
KARAikal	87%	208%	-19%	14%	21%
PUDUCHERRY	182%	-86%	23%	2%	9%
<b>PUNJAB</b>					
AMRITSAR	-25%	-9%	-15%	-73%	-19%
BARNALA		-39%	-22%	-44%	
BHATINDA	-60%	-55%	-3%	-24%	-13%
FARIDKOT		-24%	-16%	20%	
FATEHGARH SAHIB	63%	-32%	-23%	-85%	-22%
FEROZEPUR	-70%	-68%	-83%	-62%	-79%
GURDASPUR	5%	-22%	22%	8%	15%
HOSHIARPUR	-18%	-57%	-43%	-62%	-43%
JALANDHAR	-40%	1%	-38%	-51%	-35%
KAPURTHALA	-43%	52%	44%	-41%	30%
LUDHIANA	-22%	-10%	-13%	-46%	-16%
MANSA		-96%	-34%	-39%	
MOGA	-53%	-55%	35%	-27%	16%
MUKTSAR	-82%	-45%	-8%	-17%	-17%
NAWANSHAHAR	19%	43%	1%	-52%	2%
PATIALA	15%	-19%	-29%	-65%	-27%
ROPAR	64%	-11%	11%	-36%	10%
SANGRUR	16%	-30%	-52%	-59%	-46%
SAS NAGAR (MOHALI)	108%	-51%	-23%	-53%	-18%
TARN Taran	54%	-50%	-49%	-20%	-39%
<b>RAJASTHAN</b>					
AJMER	49%	228%	13%	-88%	17%
ALWAR	15%	44%	-46%	-91%	-42%
BANSWARA	-100%	-4%	7%	-85%	3%
BARAN	-75%	-13%	-33%	-82%	-35%
BARMER	-10%	-7%	91%	-83%	80%

Districts	Winter	Pre-Monsoon	SW Monsoon	Post-Monsoon	Annual
BHARATPUR	18%	25%	-42%	-96%	-41%
BHILWARA	-39%	130%	-4%	-100%	-4%
BIKANER	-86%	32%	-7%	-50%	-9%
BUNDI	-48%	87%	-31%	-74%	-31%
CHITTORGARH	-23%	57%	-3%	-80%	-5%
CHURU	52%	81%	-11%	-55%	-3%
DAUSA	-7%	61%	-47%	-85%	-44%
DHOLPUR	-21%	42%	-47%	-98%	-47%
DUNGARPUR	-100%	-96%	29%	-79%	23%
HANUMANGARH	-57%	-13%	-17%	-66%	-20%
JAIPUR	47%	-21%	-35%	-73%	-33%
JAISALMER	-33%	228%	43%	-55%	51%
JALORE	66%	12%	126%	-98%	113%
JHALAWAR	-78%	-8%	-7%	-94%	-12%
JHunjhunu	-15%	6%	-38%	-65%	-36%
JODHPUR	55%	244%	46%	-95%	54%
KARAULI	-14%	-15%	-50%	-100%	-50%
KOTA	-96%	-48%	-38%	-95%	-41%
NAGAUR	49%	17%	5%	-97%	4%
PALI	-35%	116%	76%	-97%	69%
PRATAPGARH	-83%	23%	29%	-84%	22%
RAJSAMAND	-100%	-90%	44%	-97%	32%
SAWAI MADHOPUR	-11%	-11%	-41%	-58%	-40%
SIKAR	-91%	0%	-26%	-84%	-29%
SIROHI	-100%	-16%	109%	-86%	101%
SRI GANGANAGAR	-60%	-46%	-27%	-44%	-31%
TONK	31%	79%	-26%	-77%	-24%
UDAIPUR	-45%	-23%	37%	-98%	29%
<b>SIKKIM</b>					
EAST SIKKIM	-81%	31%	-16%	-53%	-12%

Districts	Winter	Pre-Monsoon	SW Monsoon	Post-Monsoon	Annual
NORTH SIKKIM	-77%	-4%	20%	-26%	4%
SOUTH SIKKIM	-94%	-16%	-18%	-57%	-23%
WEST SIKKIM			17%	-77%	
<b>TAMILNADU</b>					
ARIYALUR	233%	-57%	40%	-10%	11%
CHENNAI	-88%	-97%	2%	19%	5%
COIMBATORE	-49%	13%	169%	-45%	27%
CUDDALORE	159%	-71%	22%	11%	14%
DHARMAPURI	-54%	50%	2%	-23%	0%
DINDIGUL	26%	-10%	39%	-25%	-1%
ERODE	-33%	81%	35%	-38%	11%
KANCHEEPURAM	-43%	-78%	1%	5%	-2%
KANYAKUMARI	-95%	-47%	-14%	23%	-10%
KARUR	-2%	17%	57%	-26%	9%
KRISHNAGIRI	-47%	88%	32%	14%	35%
MADURAI	18%	22%	21%	-32%	-3%
NAGAPATTINAM	71%	-36%	5%	20%	17%
NAMAKKAL	-55%	-5%	12%	-12%	-1%
NILGIRIS	18%	40%	-4%	-27%	-4%
PERAMBALUR	13%	12%	90%	-30%	17%
PUDUKKOTTAI	67%	-44%	16%	-49%	-18%
RAMANATHAPURAM	31%	-40%	41%	-47%	-25%
SALEM	-24%	-2%	10%	-8%	1%
SIVAGANGA	168%	-11%	75%	-39%	11%
THANJAVUR	145%	-41%	51%	-21%	6%
THENI	-37%	-13%	131%	-22%	13%
TIRUNELVELI	2%	7%	49%	42%	33%
TIRUPPUR	-46%	-21%	100%	-19%	10%
TIRUVALLUR	-81%	-76%	11%	15%	6%
TIRUVANNAMALAI	78%	-42%	33%	18%	20%

Districts	Winter	Pre-Monsoon	SW Monsoon	Post-Monsoon	Annual
TIRUVARUR	108%	-69%	32%	-2%	6%
TOOTHUKUDI	-56%	-67%	41%	-17%	-22%
TRICHY	9%	-2%	14%	-43%	-16%
VELLORE	55%	0%	23%	-3%	11%
VILLUPURAM	43%	-35%	8%	7%	5%
VIRUDHUNAGAR	-31%	-10%	49%	-21%	-2%
<b>TELANGANA</b>					
ADILABAD	-100%	0%	-25%	-20%	-24%
HYDERABAD	-100%	-8%	10%	98%	20%
KARIMNAGAR	-100%	-75%	-25%	12%	-25%
KHAMMAM	-100%	-13%	2%	-47%	-6%
MAHBUBNAGAR	-100%	-33%	-9%	48%	-3%
MEDAK	-100%	-68%	-15%	-8%	-18%
NALGONDA	-100%	-62%	-5%	-26%	-14%
NIZAMABAD	-100%	-57%	-25%	5%	-24%
RANGAREDDY	-100%	-46%	-13%	44%	-8%
WARANGAL	-100%	-53%	3%	3%	-1%
<b>TRIPURA</b>					
DHALAI	-54%	20%	14%	161%	28%
NORTH TRIPURA	-90%	40%	33%	87%	38%
SOUTH TRIPURA	-58%	11%	12%	99%	19%
WEST TRIPURA	-10%	39%	53%	57%	48%
<b>UTTAR PRADESH</b>					
AGRA	-55%	47%	-60%	-92%	-58%
ALIGARH	-23%	77%	-15%	-89%	-16%
ALLAHABAD	-99%	-67%	-15%	-99%	-23%
AMBEDKAR NAGAR	-77%	27%	-19%	-100%	-23%
AMETHI	-89%	-68%	-56%	-98%	-60%
AURAIYA	-83%	-12%	-56%	-100%	-59%
AZAMGARH	-64%	-27%	-4%	-99%	-11%

Districts	Winter	Pre-Monsoon	SW Monsoon	Post-Monsoon	Annual
BADAUN	-2%	32%	-25%	-100%	-28%
BAGHPAT	104%	15%	2%	-69%	4%
BAHRAICH	-40%	137%	-6%	-80%	-5%
BALLIA	-67%	45%	-35%	-94%	-36%
BALRAMPUR	-80%	-65%	-43%	-81%	-48%
BANDA	-100%	-33%	-41%	-100%	-46%
BARABANKI	-74%	-39%	-13%	-100%	-20%
BAREILLY	-2%	-45%	1%	-93%	-7%
BASTI	-29%	91%	-15%	-75%	-15%
BIJNOR	-12%	-40%	6%	-91%	-3%
BULANDSHAHAR	-12%	-44%	-25%	-97%	-30%
CHANDAULI	-97%	-100%	-47%	-100%	-53%
DEORIA	-79%	41%	-43%	-100%	-45%
ETAH	-35%	4%	-22%	-100%	-26%
ETAWAH	-69%	-10%	-49%	-100%	-52%
FAIZABAD	-52%	-73%	-40%	-100%	-45%
FARRUKHABAD	-74%	31%	-18%	-100%	-24%
FATEHPUR	-76%	161%	-42%	-100%	-42%
FIROZABAD	-43%	3%	-9%	-97%	-14%
GAUTAM BUDDHA NAGAR	-86%	-57%	-49%	-98%	-54%
GHAZIABAD	-40%	-54%	-46%	-91%	-49%
GHAZIPUR	-100%	50%	-26%	-90%	-30%
GONDA	-60%	33%	-40%	-100%	-42%
GORAKHPUR	-78%	15%	-19%	-92%	-24%
HAMIRPUR	-71%	37%	-57%	-71%	-57%
HARDOI	-37%	-40%	-34%	-99%	-39%
JALAUN	-10%	28%	-59%	-100%	-58%
JAUNPUR	-85%	-68%	-54%	-98%	-58%
JHANSI	-80%	-60%	-46%	-94%	-50%

Districts	Winter	Pre-Monsoon	SW Monsoon	Post-Monsoon	Annual
JYOTIBA PHULE NAGAR	-39%	26%	-4%	-98%	-11%
KANNAUJ	-11%	101%	-16%	-100%	-19%
KANPUR CITY	-47%	5%	-34%	-99%	-39%
KANPUR DEHAT	-72%	5%	-56%	-100%	-58%
KANSHIRAM NAGAR	19%	34%	-9%	-100%	-14%
KAUSHAMBI	-100%	-87%	-25%	-100%	-33%
KHERI	2%	57%	1%	-100%	-4%
KUSHI NAGAR	-90%	-43%	-64%	-100%	-65%
LALITPUR	-74%	-52%	-30%	-100%	-35%
LUCKNOW	-74%	-77%	-15%	-92%	-24%
MAHAMAYA NAGAR	-9%	-52%	-58%	-100%	-59%
MAHARAJGANJ	-79%	25%	-29%	-97%	-32%
MAHOBA	-100%	22%	-38%	-100%	-42%
MAINPURI	-57%	-18%	-13%	-100%	-20%
MATHURA	-95%	-91%	-55%	-100%	-60%
MAU	-60%	-59%	-62%	-100%	-64%
MEERUT	15%	-8%	-34%	-88%	-34%
MIRZAPUR	-98%	-36%	-39%	-100%	-44%
MORADABAD	-44%	-43%	4%	-93%	-5%
MUZAFFARNAGAR	16%	-40%	-35%	-90%	-36%
PILIBHIT	-59%	-94%	-55%	-99%	-60%
PRATAPGARH	-93%	-49%	-3%	-94%	-11%
RAE BAREILLY	-77%	-70%	-44%	-100%	-49%
RAMPUR	-73%	-55%	-47%	-99%	-51%
SAHARANPUR	-3%	-65%	-14%	-95%	-21%
SAHUJI MAHARAJ NAGAR	-100%	-93%	-6%	-100%	-15%
SANT KABIR NAGAR	-80%	186%	6%	-100%	4%
SANT RAVIDAS NAGAR	-28%	-100%	-49%	-96%	-52%
SHAHJAHANPUR	-36%	12%	-41%	-100%	-43%

Districts	Winter	Pre-Monsoon	SW Monsoon	Post-Monsoon	Annual
SHRAWASTI NAGAR		-58%	-1%	-37%	
SIDDHARTH NAGAR	-100%	-67%	13%	-97%	1%
SITAPUR	-51%	16%	-32%	-100%	-36%
SONBHADRA	-81%	-37%	-23%	-61%	-27%
SULTANPUR	-25%	-64%	-38%	-99%	-42%
UNNAO	-46%	-7%	-46%	-99%	-49%
VARANASI	-85%	-54%	-19%	-93%	-26%
<b>UTTARAKHAND</b>					
ALMORA	-67%	25%	16%	-93%	2%
BAGESHWAR	-84%	25%	32%	-92%	12%
CHAMOLI	-64%	49%	45%	-71%	27%
CHAMPAWAT	-57%	-19%	-4%	-94%	-13%
DEHRADUN	-48%	25%	-5%	-75%	-8%
GARHWAL PAURI	-50%	-1%	-26%	-82%	-29%
GARHWAL TEHRI	-24%	13%	-25%	-69%	-24%
HARDWAR	-49%	23%	-4%	-72%	-8%
NAINITAL	-26%	77%	22%	-97%	16%
PITHORAGARH	-61%	35%	-12%	-64%	-12%
RUDRAPRAYAG	-71%	83%	-11%	-61%	-7%
UDHAM SINGH NAGAR	-49%	-69%	-15%	-98%	-25%
UTTARKASHI	-46%	22%	-17%	-62%	-17%
<b>WEST BENGAL</b>					
BANKURA	-100%	-3%	31%	125%	34%
BIRBHAM	-84%	48%	-5%	75%	5%
BURDWAN	-96%	70%	12%	142%	27%
COOCH BEHAR	-99%	25%	-16%	14%	-9%
DARJEELING	-93%	-8%	6%	-51%	-1%
EAST MIDNAPORE	-100%	-4%	-10%	13%	-8%
HOOGHLY	-100%	-19%	-4%	106%	1%
HOWRAH	-99%	-30%	3%	92%	4%

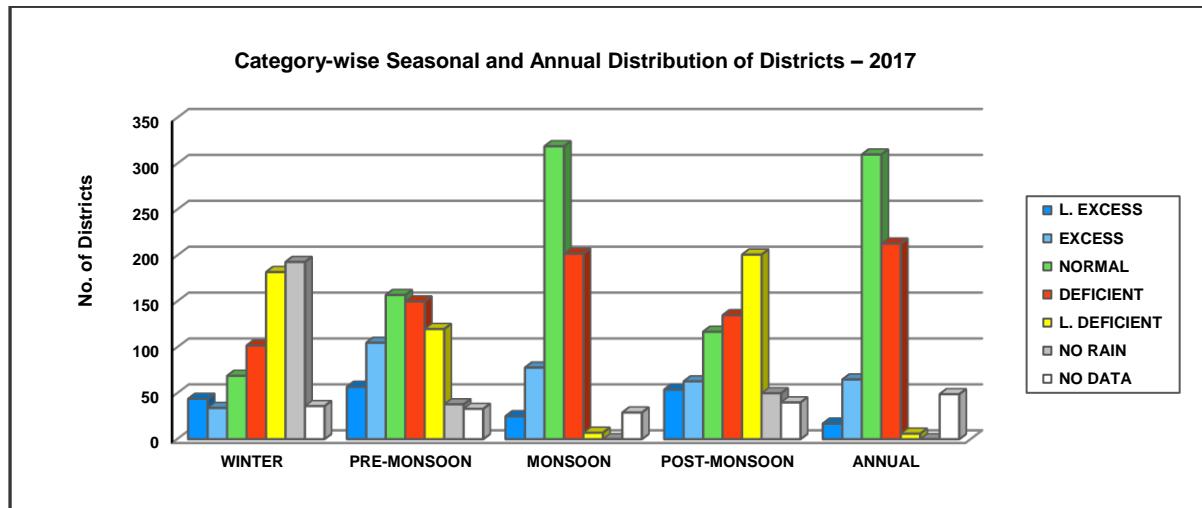
Districts	Winter	Pre-Monsoon	SW Monsoon	Post-Monsoon	Annual
JALPAIGURI	-90%	-5%	7%	13%	5%
KOLKATA	-99%	-7%	12%	62%	12%
MALDA	-96%	40%	8%	22%	11%
MURSHIDABAD	-91%	43%	-20%	-13%	-15%
NADIA	-100%	2%	2%	69%	6%
NORTH 24 PARGANAS	-100%	-30%	7%	125%	12%
NORTH DINAJPUR	-86%	45%	-7%	150%	8%
PURULIA	-99%	46%	10%	66%	15%
SOUTH 24 PARGANAS	-99%	-32%	-24%	25%	-20%
SOUTH DINAJPUR	-93%	-18%	-18%	-42%	-21%
WEST MIDNAPORE	-86%	-16%	-3%	89%	1%

### Category-wise Seasonal and Annual distribution of number of districts:

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 107. It may be observed that in SW Monsoon and annually, more than half the districts out of the 660 districts experienced excess or normal rainfall. During Annual and SW Monsoon season only 06 and 07 districts respectively remained in Large Deficient category of rainfall. During Winter Pre-Monsoon and Post-Monsoon seasons more than half the districts were in Deficient/ Large Deficient/ No Rain category of rainfall.

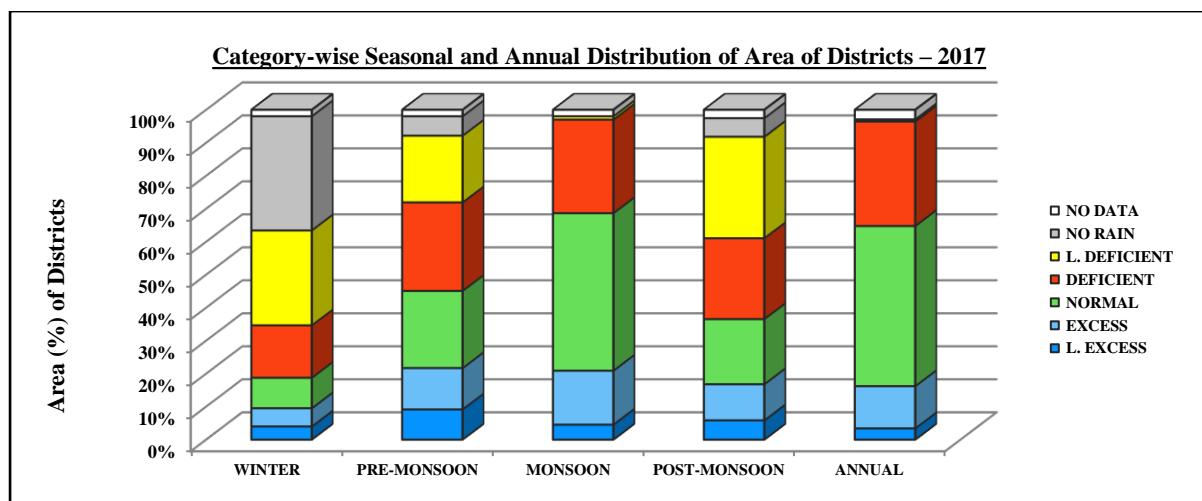
**Table 24: Category-wise Number of Districts - Seasonally and Annually - Year 2017**

CATEGORY	WINTER	PRE-MONSOON	SW MONSOON	POST-MONSOON	ANNUAL
L. EXCESS	44	57	25	54	17
EXCESS	34	105	78	63	65
NORMAL	69	157	319	117	310
DEFICIENT	102	150	202	135	213
L. DEFICIENT	182	120	7	201	6
NO RAIN	193	38	0	50	0
NO DATA	36	33	29	40	49



**Figure 107: Category-wise Seasonal and Annual Distribution of No. of Districts – 2017**

Distribution of districts of India in terms of their areas under different categories in the four seasons and for the year 2017 has been depicted in Figure 108.



**Figure 108: Category-wise distribution of Area of Districts – Seasonally and Annually – Year 2017**

### AREA (%) OF DISTRICTS UNDER RAINFALL DEFICIENCY – SW Monsoon 2017

Area (%) of the districts during SW Monsoon (June-September) under different categories of rainfall deficiency have been given below in tabular form in Table 25 and has been depicted in graphical form in Figure 109 as well. Rainfall data of about 2% area of districts was not available during the SW Monsoon season.

In all, there were 23 districts that recorded deficiency in rainfall of 50% or more but less than 75% during the SW Monsoon season. Two districts, namely, Wokha in Nagaland and Ferozepur in Punjab experienced rainfall deficiency of 75% or more.

**Table 25: Area (%) of Districts of the country under Rainfall Deficiency – SW Monsoon 2017**

Deficiency in Rainfall	Deficiency	% Area of Districts of India
< 26 %	No	78%
26 % or more but < 50 %	Moderate	17%
50 % or more	Severe	3%

It may be observed from Figures 12, 69 and 109 that more realistic distribution of area in different ranges of rainfall received is obtained when we consider smaller units of administrative boundaries like district than the Met. Subdivision or the state, as may be seen that 3% area of districts of the country exhibit 50% or more deficiency in rainfall where as states or Met. Subdivisions do not show any area in this range of rainfall.

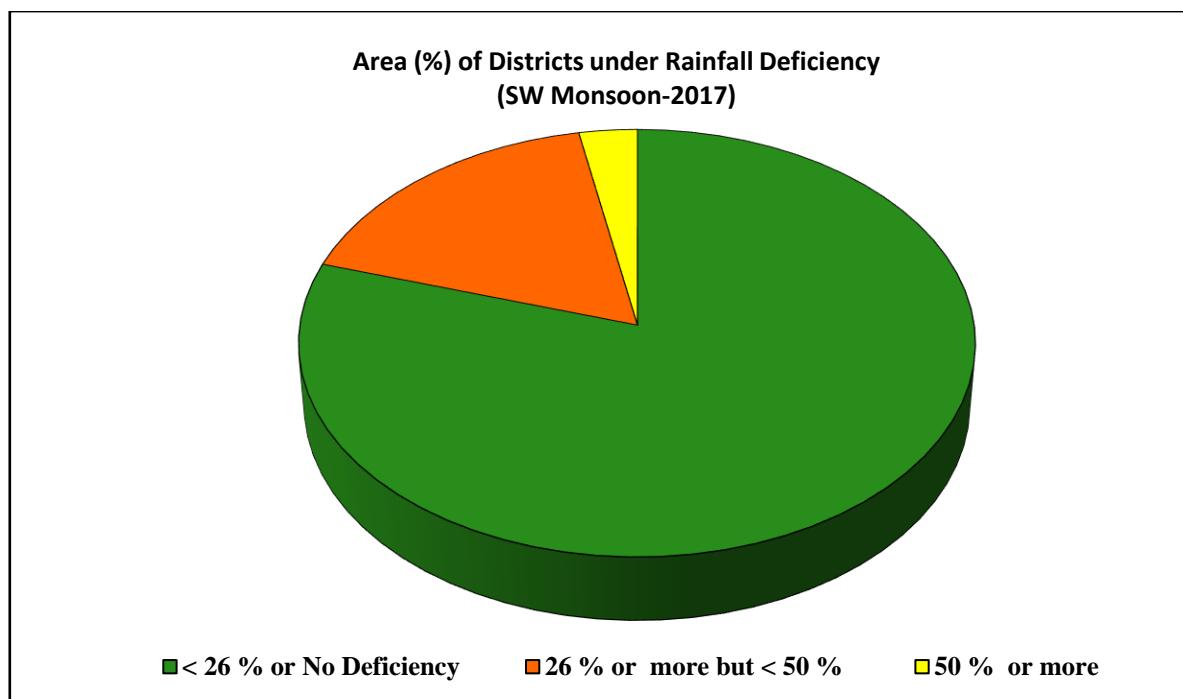


Figure 109: Area (%) of Districts under Rainfall Deficiency – SW Monsoon 2017

## DISTRICT-WISE MONTHLY RAINFALL STATISTICS

The district-wise observed monthly rainfall is given in Table 26. Also, the percent departure of observed monthly rainfall from their normals have been given in Table 27. 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 26: District-wise Monthly Rainfall (mm) – Year 2017

Districts	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
<b>A &amp; N ISLAND</b>												
NICOBAR	643.1	20.1	69.7	144.2	344.2	199.5	170.2	253.2	290.5	233.7	277.2	488.4
NORTH & MIDDLE ANDAMAN	71.2	0.0	0.0	74.8	220.1	306.5	400.9	464.0	321.2	242.6	133.2	147.8
SOUTH ANDAMAN	144.6	2.7	46.3	122.7	294.4	488.0	512.4	460.9	480.0	303.5	241.3	197.1
<b>ANDHRA PRADESH</b>												
ANANTAPUR	0.2	0.0	6.2	9.2	44.2	60.8	31.3	96.1	195.9	208.8	8.0	0.5
CHITTOOR	15.5	0.0	26.9	9.0	55.4	92.3	85.0	207.9	226.7	289.4	99.5	31.4
CUDDAPAH	1.5	0.0	5.6	8.2	36.8	97.0	39.4	224.7	181.9	221.7	36.4	1.0
EAST GODAVARI	0.0	0.0	10.0	7.9	14.3	225.5	232.5	183.5	163.4	121.2	4.5	0.0
GUNTUR	0.0	0.0	6.9	2.1	40.5	169.1	139.9	186.7	145.1	93.7	7.6	0.0
KRISHNA	0.0	0.0	8.4	0.4	25.1	176.6	217.6	210.4	101.4	111.2	15.6	1.0
KURNool	0.0	0.0	13.9	8.9	24.8	109.2	57.8	176.3	176.5	175.4	1.1	0.0
NELLORE	6.6	0.0	4.8	3.6	21.3	91.2	73.0	196.8	169.0	178.1	224.1	7.7
PRAKASAM	0.3	0.0	8.6	14.9	31.1	90.0	73.3	180.0	117.4	88.8	10.8	0.0
SRIKAKULAM	0.0	0.0	36.2	16.6	33.5	138.5	278.8	369.3	134.3	137.1	105.8	0.5

Districts	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
VISHAKHAPATNAM	0.0	0.0	15.6	19.3	42.0	203.6	126.5	251.8	149.2	127.1	6.1	0.0
VIZIANAGARAM	0.1	0.0	37.4	5.1	53.8	110.1	144.1	349.3	187.3	158.2	35.2	0.1
WEST GODAVARI	0.0	0.0	5.9	6.0	24.4	182.6	258.8	243.6	119.0	121.0	3.7	0.0
<b>ARUNACHAL PRADESH</b>												
ANJAW	10.2	163.2	364.8	431.2	343.0	199.6						
CHANGLANG	3.1	40.6	152.0	258.8	201.6	197.4	315.7	288.7	197.8	122.7	19.7	0.0
DIBANG VALLEY	22.0	202.0	468.0	410.0	186.0	69.0	37.0	339.0	196.6	168.0	14.0	1.0
EAST KAMENG	0.0	6.2	60.6	300.6	175.3	158.9	184.5	223.1	162.4	26.6	0.0	0.0
EAST SIANG	2.4	60.5	180.5	521.9	386.1	735.4	883.9	966.8	517.5	330.6	0.0	0.0
KURUNG KUMEY												
LOHIT	3.0	121.2	234.9	351.7	344.0	424.0	463.4	510.6	248.1	261.9	9.3	0.0
LOWER DIBANG VALLEY	22.8	124.2	363.6	860.1	569.1	865.8	727.8	1388.1	330.2	320.5	6.2	5.4
LOWER SUBANSIRI												
PAPUMPARA	3.1	54.7	85.1	337.6	370.7	654.4	931.6	475.6	390.9	324.2	15.5	0.4
TAWANG	6.0	40.0	117.0	223.0	121.0	84.0	65.0	284.0	209.0			0.0
TIRAP	0.8	1.8	189.2	220.2	321.6	221.8	382.6	417.8	369.1	170.8	8.0	0.0
UPPER SIANG	12.2	158.0	422.3	664.0	404.6	675.0	764.4	552.6	675.0	676.8	38.4	14.2
UPPER SUBANSIRI	1.0	52.2	131.6	94.2	183.2	345.2	518.6	228.2	188.2	95.0	0.4	7.0
WEST KAMENG	3.1	13.9	27.5	100.0	96.3	287.8	222.1	340.2	227.2	63.9	5.7	0.0
WEST SIANG	8.7	65.6	148.9	271.6	213.9	436.3	537.1	371.6	432.6	251.6	0.7	5.8
<b>ASSAM</b>												
BAKSA	2.7	56.5	60.0	217.2	219.9	484.8	207.6	406.0	318.4	61.8	1.6	0.0
BARPETA	0.0	41.5	56.8	352.3	215.1	542.6	391.0	679.9	645.8	204.4	10.1	0.0
BONGAIGAON	0.0	50.8	60.8	390.2	221.6	394.0	404.5	1083.8	766.2	304.6	4.0	0.0
CACHAR	0.0	38.5	318.7	408.6	306.2	584.2	480.0	564.5	200.3	362.7	10.2	101.0
CHIRANG	0.4	26.6	63.8	458.2	424.5	837.9	686.0	1198.8	858.0	316.2	25.4	0.0
DARRANG												0.0
DHEMAJI	2.0	70.0	90.0	285.0	281.0	486.0	704.0	446.0	419.0	215.0		1.0
DHUBRI	0.8	8.2	86.4	445.1	270.6	457.1	304.6	353.6	399.3	161.9	0.0	0.0
DIBRUGARH	3.5	97.2	117.1	238.1	316.0	283.8	461.1	280.8	269.3	190.6	0.9	1.5
GOALPARA	0.8	22.4	89.6	332.4	292.4	424.2	467.7	394.7	598.4	184.5	0.7	0.0
GOLAGHAT	0.0	49.5	134.0	165.8	262.8	224.4	396.9	227.5	212.3	149.9	4.1	0.0
HAILAKANDI	0.0	57.5	239.3	464.6	283.5	593.4	287.6	473.8	149.2	176.9	7.4	87.5
JORHAT	0.3	35.7	116.5	205.1	282.3	204.0	483.5	216.3	290.1	168.6	21.8	0.0
KAMRUP (RURAL)	0.0	35.6	23.0	404.4	272.3	366.0	333.8	199.6	207.7	100.4	15.8	0.0
KAMRUP METRO.	0.0	10.4	62.8	301.5	168.4	348.7	374.5	211.6	153.5	111.2	1.6	0.1
KARBI ANGLONG	0.0	6.5	157.1	175.4	110.8	271.2	268.6	171.4	163.9	137.8	7.6	5.7
KARIMGANJ	0.0	64.8	401.1	779.8	550.2	910.5	545.9	768.6	415.7	463.3	28.9	122.5
KOKRAJHAR	0.0	0.2	89.9	412.2	374.6	505.7	586.9	1196.4	661.0	312.3	0.2	0.0
LAKHIMPUR	6.5	44.9	76.0	347.6	359.9	505.9	931.5	420.0	518.6	345.2	17.7	0.3
MORIGAON	0.0	6.6	24.6	220.4	170.8	246.0	231.0	370.8	105.0	145.4	20.2	0.0
N. C. HILLS	0.0	43.2	127.9	354.7	254.7	360.5	236.8	292.0	356.9	344.1	28.5	23.2
NAGAON	0.0	12.7	58.4	155.7	205.1	210.4	208.5	274.7	180.6	110.4	19.5	6.7
NALBARI	4.6	31.5	65.9	308.4	218.6	392.8	306.0	255.3	342.0	131.4	14.0	0.0
SHONITPUR	2.2	66.7	37.8	196.4	238.5	490.6	443.4	304.4	187.6	109.7	8.9	0.0
SIBSAGAR	0.0	35.0	106.6	199.4	243.4	251.4	419.2	181.8	261.9	148.9	5.1	0.0
TINSUKIA	5.7	88.7	128.8	285.2	343.7	301.3	466.3	311.5	315.4	266.3	4.6	0.3
UDALGURI	0.5	86.5	47.0	252.4	174.1	317.9	256.6	226.9	304.8	158.2	8.3	0.0
<b>BIHAR</b>												
ARARIA	0.0	0.0	49.0	18.9	93.9	143.4	320.9	741.4	199.0	72.2	0.0	0.0

Districts	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
ARWAL	0.0	0.0	4.3	8.4	11.4	20.3	292.9	101.4	113.1	0.0	0.0	0.0
AURANGABAD	0.0	0.0	4.2	3.4	24.7	41.8	467.6	262.4	95.9	4.7	0.0	0.0
BANKA	0.0	0.0	7.8	24.7	80.2	89.7	398.5	235.2	238.8	130.5	0.0	0.0
BEGUSARAI	0.0	0.0	20.7	16.9	62.5	53.5	314.0	289.6	109.0	73.0	0.0	0.0
BHABUA	0.0	0.0	1.4	0.0	0.4	53.0	424.4	294.4	55.6	0.0	0.0	0.0
BHAGALPUR	4.0	0.0	18.4	22.6	111.3	66.8	377.5	319.3	216.0	272.3	0.1	0.0
BHOJPUR	0.0	0.0	0.0	7.4	28.6	88.2	222.6	110.7	124.5	2.3	0.0	0.0
BUXAR	0.0	0.0	0.0	20.0	58.3	17.1	431.1	217.2	94.0	27.0	0.0	0.0
DARBHANGA	0.0	0.0	27.6	54.0	138.0	108.3	432.4	443.4	66.9	1.9	0.0	0.0
EAST CHAMPARAN	3.2	0.0	23.8	7.9	87.9	84.9	338.3	249.4	128.9	0.0	0.0	0.0
GAYA	0.6	0.0	11.7	0.0	15.5	28.4	324.1	281.6	101.2	5.0	0.3	0.0
GOPALGANJ	2.1	0.0	10.6	7.5	60.3	95.9	379.9	178.9	190.6	4.5	0.0	0.0
JAHANABAD	0.0	0.0	0.8	0.0	21.0	133.5	314.2	128.3	146.5	0.0	0.0	0.0
JAMUI	0.0	0.0	0.0	8.6	97.7	86.6	398.4	186.3	68.5	237.8	0.0	0.0
KATIHKAR	0.0	0.0	16.5	51.5	124.3	139.5	359.4	344.6	202.9	228.4	0.0	0.7
KHAGARIA	0.0	0.0	4.3	29.1	51.7	132.4	331.7	179.4	103.9	100.7	0.0	0.0
KISHANGANJ	0.0	0.0	66.3	6.3	200.2	170.8	623.0	1000.9	242.8	74.0	0.0	0.0
LAKHISARAI	0.0	0.0	0.0	0.0	29.1	92.7	296.4	224.4	114.2	130.9	0.0	0.0
MADHEPURA	0.0	0.0	59.5	28.2	128.5	143.6	408.2	246.9	120.5	61.7	0.0	0.0
MADHUBANI	0.3	0.0	27.5	53.7	126.3	98.6	416.2	471.0	132.9	7.2	0.0	0.0
MONGHYR	0.0	0.0	0.0	0.0	77.9	52.4	305.6	147.0	215.5	119.0	0.0	0.0
MUZAFFARPUR	0.1	0.0	13.7	5.3	100.3	67.9	375.4	225.4	80.9	1.5	0.0	0.0
NALANDA	0.0	0.0	2.1	0.0	19.9	34.1	356.1	183.1	93.5	11.9	0.0	0.0
NAWADA	0.0	0.0	2.0	0.0	13.2	28.5	332.4	213.9	53.7	28.9	0.0	0.0
PATNA	0.0	0.0	8.3	9.0	35.7	68.4	299.2	181.1	109.4	19.4	0.0	0.0
PURNEA	4.9	0.0	75.9	120.1	221.5	112.4	404.6	529.4	152.7	147.0	0.0	0.0
ROHTAS	0.5	0.0	2.9	0.8	22.0	49.6	474.5	266.4	35.9	6.3	0.4	0.0
SAHARSA	0.0	0.0	83.1	0.0	124.7	120.2	510.5	307.2	81.7	30.2	0.0	0.0
SAMASTIPUR	0.0	0.0	22.4	30.7	96.3	129.5	441.2	399.6	120.2	29.0	0.0	0.0
SARAN	0.0	0.0	6.0	9.1	68.2	85.7	407.3	234.1	80.7	0.0	0.0	0.0
SHEIKHPURA	0.0	0.0	0.3	0.0	67.4	87.8	285.6	183.7	72.4	39.7	0.0	0.0
SHEOHAR	0.0	0.0	34.4	0.0	138.0	115.4	353.8	309.2	131.0	0.0	0.0	0.0
SITAMARHI	0.0	0.0	11.8	51.1	57.1	110.8	325.2	365.7	79.6	1.9	0.0	0.0
SIWAN	0.2	0.0	12.3	11.6	88.2	61.3	260.5	171.6	81.9	0.5	0.0	0.0
SUPAUL	0.0	0.0	46.7	87.4	173.0	116.8	345.5	534.9	103.1	32.5	0.0	0.0
VAISHALI	0.0	0.0	14.0	14.4	73.3	99.2	367.8	209.8	62.3	0.0	0.0	0.0
WEST CHAMPARAN	3.7	0.0	95.2	38.0	102.9	91.0	443.2	937.7	329.9	13.3	0.0	0.0
<b>CHANDIGARH (UT)</b>												
CHANDIGARH	137.0	1.6	22.0	10.5	5.7	103.1	195.2	309.4	145.1	0.0	0.0	14.8
<b>CHHATTISGARH</b>												
BALOD	0.0	0.0	24.5	0.0	11.4	284.1	443.8	355.2	283.4	22.6	0.0	0.0
BALODA BAZAR	0.0	0.0	4.3	0.0	0.0	93.0	218.7	221.7	126.6	26.6	0.0	0.0
BALRAMPUR	1.0	0.0	0.0	0.0	1.0	38.0	467.2	288.0	134.2	20.0	0.0	0.0
BASTAR	0.0	0.0	1.9	13.4	78.6	268.0	441.6	421.9	221.3	136.4	0.0	0.0
BEMETARA	1.0	0.0	1.0	0.0	4.0	200.6	275.8	307.9	328.6	40.8	3.0	0.0
BIJAPUR	0.0	0.0	1.0	3.0	19.0	182.0	429.9	377.5	129.2	99.7	0.0	0.0
BILASPUR	3.1	8.6	3.6	0.2	15.1	164.6	267.1	288.1	161.3	32.4	0.8	0.0
DANTEWADA	0.0	0.0	0.0	0.0	40.0	248.2	324.1	515.9	105.1	81.8	0.0	0.0
DHAMTARI	0.0	0.2	22.6	0.0	20.8	169.6	304.4	319.2	277.2	67.8	0.0	0.0
DURG	1.8	0.0	11.4	0.0	18.2	124.4	192.8	278.6	151.4	66.4	0.0	0.0
GARIABAND	0.0	0.0	10.5	0.0	3.1	146.1	276.8	297.9	190.3	92.3	0.0	0.0

Districts	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
JANJGIR	0.0	0.0	0.0	0.0	7.0	211.3	357.9	212.8	159.1	37.8	0.0	0.0
JASHPUR	0.0	1.0	0.0	0.0	23.5	177.7	586.1	268.3	165.2	28.8	0.0	0.0
KABIRDHAM	0.0	0.0	0.0	0.0	62.6	182.6	366.9	658.0	130.5	47.6	0.0	0.0
KANKER	0.0	0.0	0.0	0.0	0.0	195.1	342.8	273.9	224.1	109.1	0.0	0.0
KONDAGAON	0.0	0.0	0.0	0.0	38.2	368.0	344.0	276.0	85.0	176.8	0.0	0.0
KORBA	5.3	0.0	0.0	0.0	13.3	137.0	463.6	303.4	249.7	30.3	1.0	0.0
KORIYA	0.0	2.9	0.0	0.0	2.3	97.6	355.1	142.7	130.6	21.2	0.0	0.0
MAHASAMUND	0.0	0.0	0.0	0.0	0.0	173.6	282.9	272.8	176.3	45.5	0.0	0.0
MUNGELI	5.6	1.8	0.0	0.0	2.2	176.0	239.9	303.6	61.6	0.0	0.0	0.0
NARAYANPUR	0.0	0.0	0.0	0.0	30.8	190.2	301.5	263.0	201.3	61.9	0.0	0.0
RAIGARH	0.0	0.0	0.0	0.0	4.5	203.7	332.9	223.8	208.2	47.2	0.3	0.0
RAIPUR	3.9	0.0	5.8	0.0	6.0	196.9	138.4	228.9	224.9	62.6	0.0	0.0
RAJNANDGAON	0.0	0.0	15.9	0.0	11.5	137.5	269.7	177.2	140.0	47.6	0.0	0.0
SUKMA	0.0	0.0	0.0	0.0	0.0	453.4	531.5	399.3	212.1	183.5	0.0	0.0
SURAJPUR	0.0	0.0	0.0	0.0	1.0	63.4	612.1	283.5	139.3	9.0	0.0	0.0
SURGUJA	5.9	3.8	1.2	0.0	2.7	213.7	695.2	315.2	172.2	43.0	0.7	0.0
<b>DADARA &amp; NAGAR HAVELI</b>												
DADARA & NAGAR HAVELI			0.0	0.0	1.9	748.7	1295.6	700.4	306.0	121.9		
<b>DAMAN &amp; DIU</b>												
DAMAN				0.0	0.0	675.6	1052.4	619.6	123.4	53.7	0.0	
DIU	0.0	0.0	0.0	0.0	0.0	168.1	549.0	275.0	49.7	27.4	0.0	8.2
<b>DELHI</b>												
CENTRAL DELHI	19.0	0.0	5.0	5.0	16.0	98.0	143.8	201.6	141.4	0.0	0.0	5.0
EAST DELHI	32.0	0.0										
NEW DELHI	31.6	0.0	11.0	27.4	36.7	193.5	188.0	163.9	155.5	0.0	0.4	7.3
NORTH DELHI	27.0	0.0	8.0	0.9	25.0	176.1	126.5	104.3	112.7	0.0	0.2	5.7
NORTH EAST DELHI	30.0	0.0	8.0	0.0	22.0	71.0	105.5	68.0	15.0	0.0	0.0	0.0
NORTH WEST DELHI	41.8	0.0	5.0	0.3	15.0	142.7	112.3	50.0	114.0	0.0	0.0	3.0
SOUTH DELHI	37.1	0.0	4.6	89.1	17.0	104.1	88.8	149.3	117.9	0.0	0.2	6.8
SOUTH WEST DELHI	41.5	0.0	15.3	17.7	12.6	65.6	98.0	156.6	104.2	0.0	0.1	5.4
WEST DELHI	42.0	0.0		10.0	16.5	54.0	145.5	154.0	147.0	0.0	0.0	5.0
<b>GOA</b>												
NORTH GOA	0.0	0.0	0.0	0.0	57.0	887.1	874.6	530.3	451.7	170.2	0.0	4.8
SOUTH GOA	0.0	0.0	0.0	0.0	51.3	735.4	797.3	493.2	373.6	129.9	1.1	11.5
<b>GUJARAT</b>												
AHMEDABAD	0.0	0.0	0.0	0.0	0.2	88.3	490.9	100.1	52.0	0.0	0.0	3.0
AMRELI	0.0	0.0	0.0	0.6	0.0	74.1	309.6	111.5	66.4	29.9	0.0	3.9
ANAND	0.0	0.0	0.0	0.0	0.9	95.6	376.8	168.7	59.3	0.0	0.0	1.8
ARAVALLI	0.0	0.0	0.0	0.0	0.0	61.2	618.7	151.2	56.0	0.0	0.0	8.8
BANASKANTHA	0.0	0.0	0.0	0.1	0.3	76.8	939.7	95.0	25.3	0.0	0.0	0.6
BHARUCH	0.0	0.0	0.0	0.0	0.0	181.5	265.2	234.7	62.5	21.6	0.0	6.3
BHAVNAGAR	0.0	0.0	0.0	0.0	0.0	72.6	222.5	210.0	63.0	22.3	0.0	5.7
BOTAD	0.0	0.0	0.0	0.0	0.0	72.3	340.3	196.0	63.8	0.0	0.0	6.3
CHHOTA UDEPUR	0.0	0.0	0.0	0.0	0.0	83.0	404.1	236.0	101.9	9.2	0.0	9.4
DAHOD	0.0	0.0	0.0	0.0	1.0	111.2	363.2	113.0	58.7	1.2	0.0	6.2
DANGS	0.0	0.0	0.0	0.0	0.0	289.7	955.0	361.7	187.0	114.0	0.0	56.7
DEVBHoomi DWARKA	0.0	0.0	0.0	0.0	0.0	110.2	280.7	222.7	6.6	0.0	0.0	0.0
GANDHINAGAR	0.0	0.0	0.0	0.0	0.5	70.9	889.2	144.8	94.9	0.0	0.0	6.9
GIR SOMNATH	0.0	0.0	0.0	0.0	0.0	99.5	582.5	276.3	74.1	19.8	0.0	4.6
JAMNAGAR	0.0	0.0	0.0	0.0	0.0	79.2	426.2	156.5	6.7	0.0	0.0	0.0

Districts	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
JUNAGADH	0.0	0.0	0.0	0.0	0.0	129.3	366.0	291.2	82.2	8.4	0.0	1.5
KHEDA	0.0	0.0	0.0	0.0	0.0	104.8	518.8	154.7	77.5	2.0	0.0	1.6
KUTCH	0.1	0.1	0.0	0.0	0.0	58.9	295.4	104.3	34.5	0.0	0.0	0.0
MAHISAGAR	0.0	0.0	0.0	0.0	0.0	132.2	473.3	95.3	45.7	0.0	0.0	3.0
MEHSANA	0.0	0.0	0.0	0.0	0.0	100.3	611.3	117.0	18.2	0.0	0.0	0.4
MORBI	0.0	0.0	0.0	0.0	0.0	61.8	676.2	197.4	16.2	0.0	0.0	1.2
NARMADA	0.0	0.0	0.0	0.0	0.0	205.2	421.1	252.3	61.5	25.3	0.0	15.4
NAVSARI	0.0	0.0	0.0	0.0	0.0	288.7	862.2	331.5	133.5	34.3	0.0	43.5
PANCHMAHAL	0.0	0.0	0.0	0.0	0.0	104.3	509.6	143.0	78.7	2.6	0.0	6.9
PATAN	0.0	0.0	0.0	0.0	0.0	89.1	721.6	98.3	20.8	0.0	0.0	2.2
PORBANDAR	0.0	0.0	0.0	0.0	0.0	167.0	201.0	210.3	76.0	0.0	0.0	0.0
RAJKOT	0.0	0.0	0.0	0.0	1.4	139.0	448.4	165.3	68.0	0.0	0.0	0.2
SABARKANTHA	0.0	0.0	0.0	0.0	0.0	98.2	657.8	173.2	34.7	0.0	0.0	5.6
SURAT	0.0	0.0	0.0	0.0	0.1	240.9	518.7	293.1	113.1	57.7	0.0	20.1
SURENDRANAGAR	0.0	0.0	0.0	0.0	0.0	93.2	584.5	141.7	18.6	0.0	0.0	1.6
TAPI	0.0	0.0	0.0	0.0	0.0	132.8	520.6	203.6	104.6	65.4	0.0	37.8
VADODARA	0.0	0.0	0.0	0.0	0.2	91.4	320.1	118.2	39.7	1.0	0.0	6.5
VALSAD	0.0	0.0	0.0	0.0	0.6	486.1	1278.1	570.4	211.9	89.3	0.0	69.5
<b>HARYANA</b>												
AMBALA	102.0	1.3	14.4	14.1	9.5	139.9	96.0	265.9	127.6	0.0	0.0	8.4
BHIWANI	16.6	0.0	6.5	6.5	5.3	103.1	70.9	44.0	27.3	0.0	8.8	2.4
FARIDABAD	16.3	0.0	14.3	4.0	31.0	129.7	150.0	36.6	279.1	0.0	0.6	5.0
FATEHABAD	20.2	0.0	2.4	1.4	1.2	47.6	24.7	22.7	43.0	0.0	1.8	4.0
GURGAON	28.8	0.0	2.4	2.8	15.8	97.3	61.2	33.4	65.0	0.0	0.0	1.3
HISAR	23.0	0.0	4.8	1.4	5.3	132.8	47.6	43.2	24.3	0.0	1.5	3.5
JHAJJAR	20.1	0.0	0.9	1.4	11.5	188.7	122.6	47.5	34.7	0.0	0.1	1.1
JIND	46.0	0.0	7.3	1.5	6.5	150.0	44.2	82.2	51.5	0.0	2.2	3.7
KAITHAL	51.9	1.0	1.8	0.5	5.5	118.3	46.8	124.9	121.7	0.0	0.0	3.5
KARNAL	66.5	0.0	9.8	2.7	11.0	169.1	82.0	108.4	197.8	0.0	0.7	6.4
KURUKSHETRA	49.7	0.3	9.5	6.3	0.9	131.5	47.1	104.4	158.9	0.0	0.0	5.5
MAHENDRAGARH	17.2	0.0	3.3	8.0	33.5	147.4	73.0	58.9	35.9	0.0	0.0	1.6
MEWAT	26.0	0.0	11.4	0.4	10.8	152.1	60.8	87.4	104.0	0.0	0.0	6.5
PALWAL	16.3	0.0	9.0	0.0	10.8	76.0	53.0	30.0	135.3	0.0	0.0	4.5
PANCHKULA	83.9	1.2	10.5	6.7	1.6	50.4	67.0	193.4	95.0	0.0	0.0	18.0
PANIPAT	40.4	0.2	8.0	0.7	8.3	94.3	67.8	71.6	81.7	0.0	0.0	4.0
REWARI	36.7	2.0	3.3	0.0	24.3	131.7	83.2	111.6	38.0	0.0	0.0	2.3
ROHTAK	24.6	0.0	8.8	0.6	5.7	128.2	30.8	43.9	52.1	0.0	0.5	2.7
SIRSA	10.0	0.0	1.5	0.0	4.5	79.7	13.0	15.3	63.6	0.0	4.7	3.0
SONEPAT	41.1	0.0	9.2	3.2	13.2	134.5	97.1	39.2	130.4	0.0	0.0	2.0
YAMUNA NAGAR	87.9	2.3	23.9	23.5	12.8	186.7	162.7	297.6	207.8	0.0	0.0	11.3
<b>HIMACHAL PRADESH</b>												
BILASPUR	193.8	19.9	47.9	54.3	47.0	99.7	169.7	513.3	168.2	0.1	0.2	42.9
CHAMBA	187.9	88.3	76.1	105.2	75.7	130.7	277.9	196.8	90.2	0.0	2.3	69.0
HAMIRPUR	148.0	12.4	40.1	42.1	52.1	137.3	302.5	547.0	87.6	0.0	0.0	60.2
KANGRA	114.3	30.9	36.6	45.5	54.6	220.3	637.4	636.3	134.3	2.3	0.3	80.3
KINNAUR	135.0	38.6	69.5	121.1	17.4	39.4	41.9	27.5	51.6	0.1	21.5	29.9
KULLU	186.8	77.6	106.9	109.2	96.5	146.1	218.9	106.2	106.4	1.0	19.0	44.9
LAHAUL & SPITI	163.2	81.2	57.5	140.0	41.6	62.4	19.6	29.5	26.9	0.0	12.7	49.6
MANDI	135.3	32.2	41.1	61.2	111.1	162.6	467.8	430.7	134.7	0.0	1.4	52.0
SHIMLA	119.5	19.9	59.7	77.5	118.9	146.1	189.2	183.3	126.8	0.0	2.4	24.8
SIRMAUR	117.4	10.2	38.9	41.2	66.7	257.4	276.1	386.8	291.7	0.0	0.0	23.4

Districts	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
SOLAN	252.9	10.0	37.8	52.2	80.1	184.1	207.5	306.7	133.6	0.0	0.6	28.4
UNA	94.2	12.2	19.6	42.5	41.2	126.7	224.7	588.9	79.0	0.0	0.8	40.4
<b>JAMMU &amp; KASHMIR</b>												
ANANTNAG	247.9	155.3	96.4	298.9	74.8	143.7	66.1	56.9	26.6	0.2	17.7	77.5
BADGAM	200.0	44.7	55.8	178.1	34.9	72.7	19.2	31.6	10.9	0.0	10.1	42.7
BANDIPORE						93.0	77.0	101.0	11.0	0.0	20.0	47.0
BARAMULA	383.6	83.7	118.2	217.2	58.2	150.2	124.2	73.2	60.5	0.7	12.2	97.4
DODA	310.2	153.4	83.8	157.6	47.0	192.8	160.4	75.4	24.2	0.2	10.8	112.2
GANDERBAL	171.4	123.8	111.8	140.2	48.0	108.2	81.8	69.9	18.6	0.0	9.8	84.2
JAMMU	170.3	47.8	34.2	48.9	16.6	196.0	282.6	295.9	45.1	0.0	3.2	58.5
KARGIL			4.4	72.0	0.0	4.0	39.0	3.6	0.4	0.0	0.0	21.6
KATHUA	132.8	34.6	40.2	44.2	24.8	144.8	336.4	566.8	57.2	0.0	0.5	93.5
KISTWAR												
KULGAM	296.3	161.2	86.5	242.1	36.2	144.6	49.6	62.2	20.4	0.0	16.6	74.9
KUPWARA	234.0	145.6	132.1	252.7	28.2	69.2	31.5	52.4	9.2	0.0	23.1	64.5
LADAKH (LEH)	12.5	57.5	0.8	42.8	2.9	18.7	6.2	6.0	1.6	0.0	0.0	1.8
POONCH												
PULWAMA	238.0	58.4	51.7	193.9	31.1	97.3	48.3	48.6	11.0	0.0	10.6	68.1
RAJOURI	174.0	49.0	32.8	92.4	34.8	122.1	108.0	223.4	48.8	0.0	15.2	56.4
RAMBAN	423.3	187.9	180.8	218.7	46.5	167.8	123.4	76.7	44.7	0.1	11.9	122.6
REASI	212.3	87.2	85.0	69.2	18.1	431.6	757.4	551.2	226.8	0.0	9.2	130.5
SAMBA	104.7	26.9	36.1	11.8	7.5	127.3	234.2	175.2	45.1	0.0	2.2	44.6
SHOPIAN						123.0	78.0	57.0	29.0	0.0	38.0	58.6
SRINAGAR	220.0	142.3	80.8	232.9	42.5	97.5	50.8	40.0	19.9	0.0	12.9	45.5
UDHAMPUR	321.2	153.5	104.0	55.1	15.6	197.0	373.9	158.7	23.0	2.7	3.7	66.9
<b>JHARKHAND</b>												
BOKARO	2.9	0.0	3.0	12.5	54.3	120.5	589.6	260.5	100.3	77.2	1.1	0.0
CHATRA	8.7	0.0	8.3	0.0	14.1	71.0	348.1	209.3	76.9	32.0	0.0	0.0
DEOGHAR	2.7	0.0	3.9	0.0	87.9	89.8	441.9	163.5	133.1	174.7	0.4	0.4
DHANBAD	9.5	0.0	10.6	17.6	45.6	123.3	560.3	174.6	123.1	176.2	0.0	0.0
DUMKA	12.0	0.0	0.0	0.0	70.8	116.0	651.6	348.7	324.0	368.2	0.0	0.0
EAST SINGBHUM	0.0	0.0	15.1	17.8	393.2	131.4	682.3	467.4	277.8	151.5	10.1	0.1
GARHWA	7.3	0.2	3.0	0.0	0.0	12.4	171.0	165.6	70.4	19.2	3.4	0.0
GIRIDIH	4.4	0.0	7.6	3.7	51.3	91.6	413.4	141.8	107.1	163.3	0.0	0.0
GODDA	1.4	0.0	5.2	0.0	21.4	36.7	340.0	136.5	167.8	202.2	0.0	1.2
GUMLA	0.0	0.0	0.0	0.0	16.3	154.2	465.0	257.4	168.6	54.6	3.7	0.0
HAZARIBAG	11.2	0.0	0.0	0.0	38.5	121.4	645.6	173.9	118.0	98.0	0.0	0.0
JAMTARA					74.2	139.1	455.0	173.7	150.9	227.4		
KHUNTI	1.5	0.0	0.0	0.0	0.0	182.5	391.2	266.3	98.7	44.1	0.0	0.0
KODERMA	0.9	0.0	3.5	2.2	4.9	21.4	472.7	199.0	101.4	44.7	0.0	0.0
LATEHAR	27.1	0.0	0.0	0.0	19.1	70.6	638.9	233.1	127.8	76.9	0.0	0.0
LOHARDAGA	7.9	0.0	3.1	0.0	19.6	167.1	591.0	217.1	180.4	75.1	11.0	0.0
PAKUR	1.3	0.0	9.0	2.2	66.1	165.1	514.4	342.5	256.4	195.8	0.0	3.0
PALAMU	14.1	1.0	0.9	0.0	8.4	39.1	482.0	181.5	62.6	14.0	0.1	0.0
RAMGARH					26.8	210.8	863.4	243.7	160.0	94.6		
RANCHI	0.2	0.0	3.2	3.5	26.5	103.7	587.9	250.0	105.9	68.2	1.9	0.0
SAHIBGANJ	0.0	0.0	0.0	70.2	115.8	81.4	354.4	711.6	184.0	118.4	4.6	4.6
SERAIKELA-KHARSAWAN	0.0	0.0	0.0	31.4	120.1	119.4	539.3	304.8	87.5	124.1	2.7	0.0
SIMDEGA	0.0	0.0	0.6	0.0	5.6	326.6	474.5	422.8	207.7	37.4	0.0	0.0
WEST SINGBHUM	0.0	0.0	13.5	12.1	83.6	131.9	371.8	197.3	85.2	91.4	7.0	0.0

Districts	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
<b>KARNATAKA</b>												
BAGALKOTE	0.0	0.0	7.7	8.2	54.8	80.0	44.5	60.9	222.9	145.8	3.6	0.8
BALLARI	0.0	0.0	21.9	5.8	55.6	58.1	50.8	129.9	238.8	168.5	0.0	0.0
BELAGAVI	0.0	0.0	0.2	9.1	65.0	138.1	193.0	66.5	231.7	126.9	8.3	1.0
BENGALURU RURAL	0.9	0.0	12.4	36.9	207.6	27.6	36.1	199.1	376.8	335.0	16.2	11.3
BENGALURU URBAN	0.5	0.0	27.4	26.0	204.6	32.0	41.1	231.7	394.5	259.7	15.1	11.5
BIDAR	0.0	0.0	35.4	1.5	10.6	212.0	75.9	221.8	132.1	136.8	29.0	0.0
CHAMARAJANAGAR	0.0	0.0	26.0	34.6	206.6	12.3	26.1	146.8	235.0	180.5	35.0	21.6
CHIKABALLAPURA	0.6	0.0	45.2	44.9	147.2	44.1	32.8	100.1	231.3	284.9	23.7	4.0
CHIKKAMAGALURU	0.1	0.0	20.9	26.0	128.8	279.8	352.3	357.8	209.1	112.4	18.0	0.7
CHITRADURGA	0.0	0.0	1.1	11.3	41.1	35.1	47.2	68.0	183.0	194.3	1.8	0.1
DAKSHINA KANNADA	4.2	0.0	6.6	23.8	151.1	843.9	737.3	737.9	343.6	194.9	37.6	9.5
DAVANGERE	0.0	0.0	2.0	11.2	76.4	53.0	71.6	99.6	233.0	193.6	1.0	0.0
DHARWAD	0.0	0.0	4.0	10.3	78.0	58.1	109.8	43.7	182.1	87.6	7.0	0.1
GADAG	0.0	0.0	2.6	5.7	73.0	34.3	41.7	74.4	194.1	121.6	8.7	2.1
HASSAN	8.0	0.0	18.4	51.1	154.0	80.7	103.2	139.6	218.4	108.3	13.7	8.9
HAVERI	0.0	0.0	1.4	43.7	73.0	54.6	124.3	70.3	217.0	169.4	4.5	0.0
KALABURGI	0.0	0.0	16.6	9.2	25.7	229.5	57.5	137.7	191.7	148.1	0.3	0.0
KODAGU	57.5	0.0	13.5	91.5	176.7	402.4	523.7	556.1	340.4	90.2	12.3	23.8
KOLAR	11.0	0.0	24.9	32.6	136.8	93.9	37.3	137.2	276.5	365.7	44.0	8.4
KOPPAL	0.0	0.0	26.3	13.3	37.0	134.7	38.0	124.4	234.1	165.7	0.0	0.0
MANDYA	2.9	0.0	24.7	71.5	235.4	27.0	25.7	161.4	317.7	158.0	18.1	16.2
MYSURU	8.8	0.0	20.2	91.8	216.8	44.2	62.0	155.3	285.0	106.8	3.6	29.4
RAICHUR	0.0	0.0	17.3	1.7	31.7	89.7	18.2	144.0	264.6	200.3	0.0	0.0
RAMANAGARA	1.9	0.0	30.3	39.0	283.9	32.5	23.9	212.8	405.0	229.4	24.7	13.0
SHIVAMOGGA	0.3	0.0	5.3	10.6	107.7	355.0	418.4	303.5	176.7	80.5	14.0	0.7
TUMAKURU	4.2	0.0	9.2	22.4	134.2	40.5	33.0	90.7	237.7	235.2	11.9	1.2
UDUPI	0.0	0.0	0.0	4.5	159.1	1192.4	1150.2	864.6	379.9	301.5	27.5	14.0
UTTARA KANNADA	0.0	0.0	1.4	4.5	108.1	699.3	743.6	488.6	281.6	140.8	8.0	3.8
VIJAYAPURA	0.0	0.0	6.0	7.2	40.3	120.7	33.6	104.1	173.0	152.9	0.0	4.1
YADGIR	0.0	0.0	1.7	5.3	14.0	163.7	32.6	119.0	213.4	173.4	0.0	0.0
<b>KERALA</b>												
ALAPUZHA	29.9	0.9	86.2	40.3	287.9	544.7	280.4	323.5	438.5	226.2	195.2	63.5
CANNUR	11.5	0.0	6.1	48.2	181.2	694.3	623.6	553.0	430.4	170.9	69.4	5.9
ERNAKULAM	16.8	0.0	97.9	31.4	306.0	706.3	435.4	415.8	445.3	293.0	217.8	28.1
IDUKKI	12.8	1.1	122.2	71.1	210.0	517.9	293.4	713.1	534.5	285.3	117.1	91.0
KASARGOD	18.1	0.0	0.0	15.5	71.8	858.7	752.8	702.8	331.4	126.2	39.5	14.4
KOLLAM	21.5	1.3	147.6	137.7	356.8	532.5	128.5	282.4	412.2	322.5	369.0	258.5
KOTTAYAM	27.8	0.2	128.3	58.2	315.9	654.0	342.3	450.3	482.4	287.3	267.4	79.1
KOZHIKODE	7.7	0.1	21.3	68.1	251.8	822.5	662.9	544.6	491.6	216.2	46.1	9.1
MALAPPURAM	4.0	0.0	29.4	26.6	122.9	568.8	427.0	459.7	472.7	211.1	95.6	37.1
PALAKKAD	0.0	0.0	83.1	28.3	139.5	433.2	317.2	398.0	375.6	102.8	35.2	38.9
PATHANAMTHITTA	30.9	0.0	314.5	100.0	260.1	553.7	204.8	454.3	541.2	427.0	389.3	76.0
THIRUVANANTHAPURA M	5.0	0.0	85.0	54.2	228.3	318.8	52.9	123.0	269.3	241.4	274.7	151.2
THRISSUR	1.4	0.0	43.6	12.9	175.7	674.8	419.3	427.2	354.7	188.0	113.0	15.5
WYNAD	14.5	0.0	49.7	60.9	182.8	343.2	419.6	435.0	454.2	118.5	37.5	9.1
<b>LAKSHADWEEP(UT)</b>												
LAKSHADWEEP	21.3	0.9	100.2	1.8	145.7	521.9	164.2	206.2	216.0	137.1	63.5	160.1
<b>MADHYA PRADESH</b>												
AGAR-MALWA	0.3	0.0	0.0	0.0	0.1	107.9	309.9	201.8	195.0	0.0	0.0	0.5



Districts	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
AHMEDNAGAR	0.0	0.0	0.0	0.0	8.9	177.0	80.5	225.2	190.5	111.6	0.4	0.3
AKOLA	0.0	0.0	0.1	0.0	0.0	125.2	168.0	156.2	98.7	86.5	0.0	0.0
AMRAOTI	0.0	0.0	0.0	0.0	3.2	103.1	190.3	150.2	109.1	58.7	2.3	0.0
AURANGABAD	0.0	0.0	0.0	0.0	1.3	137.6	79.8	157.2	176.9	105.3	0.4	0.2
BEED	0.0	0.0	5.7	0.0	2.9	169.1	76.7	237.0	154.6	112.0	0.0	12.7
BHANDARA	0.6	0.0	10.1	0.0	13.6	111.5	304.2	293.7	117.0	51.5	0.0	0.0
BULDHANA	0.3	0.0	1.2	0.0	0.0	179.3	144.9	155.9	176.6	56.8	0.4	0.0
CHANDRAPUR	0.0	0.0	23.5	0.0	15.5	133.0	308.1	183.9	143.4	50.1	0.0	0.0
DHULE	0.0	0.0	0.0	0.0	0.0	108.3	135.8	162.9	105.6	76.0	0.0	14.3
GADCHIROLI	0.0	0.0	15.4	0.0	4.8	136.1	467.4	259.9	152.4	67.7	0.0	0.0
GONDIA	2.1	0.5	6.3	0.0	18.2	108.3	333.4	240.9	97.6	48.9	0.0	0.0
HINGOLI	0.0	0.0	0.0	0.0	2.8	231.0	99.4	220.2	62.4	71.4	0.0	0.0
JALGAON	0.0	0.0	0.0	0.0	13.0	118.3	158.6	149.9	121.5	44.7	5.6	0.1
JALNA	0.0	0.0	0.0	0.0	2.8	154.7	61.0	199.2	168.3	98.9	0.0	0.0
KOLHAPUR	0.6	0.0	0.0	0.1	60.1	310.6	613.5	210.3	358.0	166.2	5.4	2.4
LATUR	0.0	0.0	10.7	0.0	4.7	207.3	86.8	311.6	157.7	95.5	0.0	0.0
MUMBAI CITY	0.0	0.0	0.0	0.0	0.0	559.0	523.6	651.8	519.0	96.0	0.0	104.8
MUMBAI SUBURBAN	0.0	0.0	0.0	0.0	3.5	523.2	869.6	950.3	603.2	83.6	0.0	75.8
NAGPUR	0.6	0.0	1.2	0.0	16.4	140.3	236.2	345.4	168.8	41.7	0.0	0.0
NANDED	0.0	0.0	6.2	0.0	5.9	182.6	123.2	253.8	75.1	65.0	0.0	0.0
NANDURBAR	0.0	0.0	0.0	0.0	0.0	141.8	339.2	153.5	99.8	35.7	0.0	26.8
NASHIK	0.0	0.0	0.0	0.0	12.9	221.0	580.8	260.8	134.6	121.1	2.0	14.4
OSMANABAD	0.0	0.0	12.4	0.0	5.2	259.2	52.8	237.2	232.9	155.8	20.0	4.8
PALGHAR	0.0	0.0	0.0	0.0	0.8	715.7	1238.7	698.1	371.5	120.3	0.0	60.8
PARBHANI	0.0	0.0	1.9	0.0	0.0	152.8	72.6	242.9	127.0	94.0	0.0	0.0
PUNE	0.0	0.0	0.0	0.0	24.6	289.1	512.5	290.2	211.0	116.0	13.9	0.7
RAIGAD	0.0	0.0	0.0	0.0	22.2	920.0	1256.8	903.7	571.9	158.2	0.4	29.3
RATNAGIRI	0.0	0.0	0.0	0.0	93.6	948.0	1094.0	688.1	704.7	155.2	2.1	9.8
SANGLI	0.0	0.0	0.0	4.6	25.5	82.7	93.6	52.5	219.3	129.2	7.0	0.5
SATARA	0.0	0.0	0.0	4.3	38.7	142.3	293.2	126.3	273.5	123.2	10.6	3.4
SHOLAPUR	0.0	0.0	3.4	0.1	6.3	211.4	24.9	159.0	194.9	160.7	2.4	1.3
SINDHUDURG	0.0	0.0	0.0	0.0	84.7	858.6	914.3	557.2	585.2	183.7	0.0	19.2
THANE	0.0	0.0	0.0	0.0	1.3	681.4	1153.8	950.5	458.1	182.5	0.0	22.7
WARDHA	0.0	0.0	0.3	0.0	8.1	211.2	219.0	162.5	165.0	46.8	0.0	0.0
WASHIM	0.0	0.0	1.3	0.0	0.0	207.2	178.2	109.8	97.2	84.6	0.0	0.0
YEOTMAL	0.0	0.0	0.0	0.0	4.4	178.8	150.1	132.8	100.5	52.2	0.0	0.0
<b>MANIPUR</b>												
BISHNUPUR												
CHANDEL		0.0	14.0									
CHURACHANDPUR												
IMPHAL EAST	7.2	20.1	212.2	209.0	150.9	275.2	358.2	124.3	301.7	234.9	3.6	103.2
IMPHAL WEST	0.0	13.6	178.2	479.7	189.6	546.9	690.3	803.3	510.5	382.6	2.0	102.1
SENAPATI	0.0	49.0	117.0	138.0		75.0	95.0	259.0	308.0			
TAMENGLONG												
THOUBAL		11.0	111.0	92.0	73.0	53.0	49.0	97.0	316.0			
UKHRUL												
<b>MEGHALAYA</b>												
EAST GARO HILLS	0.0	3.3	187.3	638.5	697.6	602.6	864.4	1173.7	753.6	425.2	16.0	2.8
EAST KHASI HILLS	0.6	214.4	313.4	887.4	395.9	1537.9	1433.0	1523.6	854.0	471.9	11.8	35.8
JAINTIA HILLS	8.0	0.0			433.0	2015.0		1612.0				
RI-BHOI	12.5	0.9	76.1	93.5	122.5	219.9	157.1	326.5	167.3	142.6	26.1	1.4

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SOUTH GARO HILLS	4.0	2.0	249.0	185.0	76.0							
WEST GARO HILLS	1.0	0.0	96.7	289.8	275.2	342.5	268.8	298.2	386.0	198.2	0.0	0.0
WEST KHASI HILLS	2.0	7.0	13.0									
<b>MIZORAM</b>												
AIZWAL	1.0	15.4	109.9	389.5	252.9	616.3	352.0	527.7	230.4	338.3	8.9	62.9
CHAMPHAI												
CHHIMTUUIPUI												
KOLASIB												
LAWNGTLAI												
LUNGLEI	0.0	0.0	109.5	237.8	149.0	1036.0	1102.0	1496.0	642.5	199.1	7.1	16.3
MAMIT												
SAIHA	0.0	0.0	44.0	121.0	47.0	154.0						
SERCHHIP	0.0	0.0	104.4	334.2	147.8	715.3	346.8	823.2	583.1	393.8	41.4	95.3
<b>NAGALAND</b>												
DIMAPUR	0.4	0.4	90.7	226.0	111.7	345.5	470.7	492.5	233.9	128.8	16.4	31.6
KEPHIRE	0.0	0.0	87.0	119.8	43.2	215.0	164.8	134.0				
KOHIMA	1.6	0.5	99.2	127.4	201.7	308.2	475.0	242.5	328.8	178.6	5.4	31.9
LONGLENG												
MOKOKCHUNG												
MON	2.0		115.2	184.2	284.8	307.2	425.0	442.5	320.6		8.0	
PAREN												
PHEK	5.5	0.9	83.0	110.7	77.0	250.9	158.0	266.7	181.0	187.2	10.0	
TUENSANG												
WOKHA	0.0	2.0	94.0	227.0	198.0	193.0	137.0	35.0	53.0			
ZUNHEBOTO												
<b>ODISHA</b>												
ANGUL	6.7	0.0	20.8	1.2	43.4	198.3	218.1	197.4	159.3	126.3	17.9	0.0
BALASORE	0.0	0.0	114.7	28.5	180.1	148.1	350.4	247.4	221.0	251.5	50.5	6.9
BARGARH	4.9	0.0	10.5	0.0	13.6	249.1	254.2	239.3	117.3	59.7	1.3	0.0
BHADRAK	0.0	0.0	44.1	7.3	37.0	169.3	269.3	229.9	140.7	251.7	54.6	14.3
BOLANGIR	0.6	0.0	3.2	1.1	6.3	182.6	238.3	218.6	140.1	70.4	1.1	0.0
BOUDHGARH	0.0	0.0	3.7	0.0	1.3	304.6	282.0	191.4	202.2	152.9	16.0	0.0
CUTTACK	0.0	0.0	45.9	1.1	13.2	125.7	408.0	312.8	253.7	219.2	58.4	20.3
DEOGARH	0.3	0.0	44.1	0.3	60.6	276.6	446.1	382.4	224.2	54.5	12.5	0.0
DHENKANAL	0.0	0.0	29.5	7.5	70.2	147.0	210.9	245.8	216.7	181.0	48.1	0.0
GAJAPATI	0.0	0.0	76.5	32.5	129.3	209.3	269.9	296.4	146.4	198.1	73.1	0.0
GANJAM	0.0	0.0	64.6	32.0	52.5	223.1	288.7	251.5	185.7	192.4	71.8	1.0
JAGATSINGHPUR	0.0	0.0	42.3	0.3	16.8	149.9	362.0	403.5	194.3	315.3	144.2	75.0
JAJPUR	0.0	0.0	61.3	2.9	84.8	187.7	226.7	275.6	121.9	267.6	79.5	14.7
JHARSUGUDA	10.7	0.0	6.0	2.0	63.5	209.4	413.6	300.0	236.1	90.7	0.1	0.0
KALAHANDI	0.0	0.0	22.0	2.1	21.2	191.4	466.7	349.6	184.3	119.6	1.0	0.0
KANDHAMAL	0.0	0.0	25.0	1.6	38.7	221.4	195.0	253.4	209.5	203.5	35.6	0.0
KENDRAPARA	0.0	0.0	78.7	1.0	32.9	145.1	322.9	370.9	152.8	244.5	129.1	42.5
KEONJHARGARH	1.8	0.0	36.7	14.9	132.4	183.4	349.6	266.5	188.5	179.0	24.9	0.1
KHURDA	3.4	0.0	40.3	11.4	19.0	155.2	338.8	245.0	231.3	240.3	63.9	14.9
KORAPUT	0.0	0.0	8.8	15.3	70.6	225.4	417.8	397.4	191.0	231.8	8.5	0.0
MALKANGIRI	0.0	0.0	6.4	8.0	32.6	294.8	514.0	718.0	407.0	120.0	0.0	0.0
MAYURBHANJ	1.4	0.0	49.8	20.6	131.1	173.4	372.9	313.8	180.9	220.1	39.3	0.8
NAWAPARA	0.0	0.0	0.0	0.0	1.2	193.7	160.9	268.2	217.6	114.7	0.0	0.0
NAWARANGPUR	0.0	0.0	10.4	15.1	51.1	246.3	440.0	424.2	177.6	100.7	2.2	0.0
NAYAGARH	0.0	0.0	55.8	9.5	25.9	127.3	320.1	242.7	183.7	175.1	53.3	1.6

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PURI	0.0	0.0	22.1	7.8	12.3	176.0	351.1	308.7	199.3	320.2	107.0	77.9
RAYAGADA	0.0	0.0	39.7	5.3	67.2	223.9	375.0	296.1	187.9	191.7	32.7	0.0
SAMBALPUR	15.5	0.0	15.7	0.8	41.3	307.9	411.7	267.2	176.5	55.1	8.4	0.0
SONEPUR	0.0	0.0	2.1	0.0	5.4	264.2	315.7	192.4	156.7	124.2	3.6	0.0
SUNDARGARH	2.0	0.0	1.5	3.0	53.6	225.9	521.5	268.2	176.6	66.8	3.3	0.0
<b>PONDICHERRY (UT)</b>												
KARAikal	180.1	0.0	186.0	0.0	19.3	52.8	22.5	62.6	100.1	247.6	674.2	275.2
PUDUCHERRY	105.9	0.0	8.3	0.0	1.6	59.8	135.3	193.4	84.8	262.4	437.0	163.2
<b>PUNJAB</b>												
AMRITSAR	43.3	1.4	17.3	23.0	26.8	139.0	187.8	112.2	20.3	0.0	1.4	12.6
BARNALA	21.0		9.0	10.0	0.0	172.0	15.0	42.3	47.0	0.0	10.0	7.5
BHATINDA	11.6	0.0	2.7	9.7	1.3	141.8	32.5	101.7	34.8	0.0	13.0	7.7
FARIDKOT	13.5		0.0	29.7	0.0	132.2	28.6	12.2	100.6	0.0	7.1	18.3
FATEHGARH SAHIB	76.0	0.0	18.0	4.7	8.8	66.4	134.9	65.2	153.3	0.0	0.0	6.3
FEROZEPUR	9.0	0.2	5.8	6.6	2.6	27.2	12.3	8.0	12.3	0.0	2.8	7.5
GURDASPUR	104.9	10.2	33.5	22.3	22.8	138.9	307.4	428.7	134.3	0.0	0.9	78.6
HOSHIARPUR	50.9	13.4	9.0	9.1	14.7	77.7	155.7	130.6	43.5	0.0	0.9	22.5
JALANDHAR	31.0	3.3	22.1	17.7	25.7	87.1	76.2	161.5	18.5	0.0	6.1	16.3
KAPURTHALA	26.9	1.0	22.8	7.1	45.2	184.4	202.1	194.0	26.7	0.0	12.3	15.8
LUDHIANA	36.1	3.1	26.9	10.7	12.2	106.8	92.1	153.4	111.0	0.0	6.9	17.8
MANSA	26.3		0.0	1.0	0.0	86.3	53.0	56.2	25.2	0.0	11.6	4.9
MOGA	16.4	0.0	9.0	9.3	0.0	166.2	44.8	124.0	141.6	0.0	17.2	5.8
MUKTSAR	5.3	0.0	12.4	6.2	1.3	179.7	15.2	33.2	57.9	0.0	7.6	10.9
NAWANSHAHAR	92.2	1.7	29.4	20.3	56.0	122.4	247.4	258.8	165.3	0.0	2.6	28.3
PATIALA	58.4	0.9	20.3	13.5	3.2	87.7	80.5	147.0	120.1	0.0	0.3	13.8
ROPAR	127.4	4.9	23.3	26.0	32.0	140.6	165.1	353.9	146.0	0.0	0.0	36.0
SANGRUR	41.0	2.8	14.1	8.6	8.9	76.8	44.9	54.4	33.5	0.0	4.3	11.1
SAS NAGAR (MOHALI)	121.0	0.0	19.0	13.0	1.0	110.1	77.0	183.8	123.0	0.0	0.0	22.5
TARN Taran	51.0	5.0	3.5	3.5	15.0	72.0	54.0	46.0	0.0	0.0	5.0	20.5
<b>RAJASTHAN</b>												
AJMER	8.5	0.0	8.8	0.4	34.1	128.9	190.5	138.9	28.4	0.0	0.0	1.7
ALWAR	22.8	0.0	8.9	0.6	29.2	69.1	98.0	101.6	31.6	0.0	0.0	2.6
BANSWARA	0.0	0.0	0.0	0.0	7.4	99.9	462.3	222.9	107.1	0.0	0.0	6.1
BARAN	2.6	0.0	6.5	0.0	3.1	54.0	229.1	152.5	96.1	0.0	2.3	5.0
BARMER	2.6	0.0	0.1	1.8	11.7	63.6	351.0	34.6	16.7	0.0	0.0	1.3
BHARATPUR	21.4	0.0	8.6	0.0	16.7	71.3	120.0	90.8	39.5	0.0	0.0	1.1
BHILWARA	5.3	0.0	18.7	0.0	21.1	99.1	265.6	152.4	41.8	0.0	0.0	0.0
BIKANER	0.2	1.4	0.0	6.7	24.9	87.3	46.7	41.8	36.6	0.0	1.3	3.3
BUNDI	4.7	0.0	11.0	0.0	11.8	92.0	146.2	188.0	25.7	0.0	0.0	7.5
CHITTORGARH	4.5	0.0	6.8	4.4	14.0	80.6	419.0	134.7	53.8	0.0	0.0	6.8
CHURU	20.7	0.0	0.5	3.7	45.8	77.5	106.5	67.6	28.3	0.0	4.2	2.4
DAUSA	14.6	0.0	10.0	0.0	24.0	82.8	96.0	109.0	35.6	0.0	0.0	3.8
DHOLPUR	14.3	0.0	17.9	0.8	7.0	46.8	105.8	145.8	46.0	0.0	0.0	0.8
DUNGARPUR	0.0	0.0	0.0	0.0	0.3	79.1	433.8	227.3	85.0	0.0	0.0	6.3
HANUMANGARH	7.0	0.0	0.0	2.4	18.1	85.3	52.9	35.3	37.1	0.0	0.0	3.2
JAIPUR	20.9	0.0	5.0	0.4	11.4	89.5	126.4	99.6	27.3	0.0	0.0	4.7
JAISALMER	3.1	0.0	10.2	4.7	26.5	44.7	160.1	20.5	0.7	0.0	0.0	2.5
JALORE	4.8	0.0	0.0	0.0	13.7	83.4	757.4	38.1	14.0	0.0	0.0	0.3
JHALAWAR	2.0	0.0	1.0	0.0	9.9	104.5	430.8	162.0	101.7	0.0	0.0	2.5
JHUNJHUNU	14.3	0.0	0.2	7.2	26.4	87.0	94.8	52.5	18.8	0.0	4.5	3.3
JODHPUR	9.3	0.0	15.9	4.3	45.1	107.5	230.4	42.6	20.0	0.0	0.0	0.4



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ADILABAD	0.0	0.0	15.2	3.5	22.9	244.5	118.9	272.1	84.9	75.9	8.0	0.0
HYDERABAD	0.0	0.0	2.5	18.5	42.6	163.3	138.8	250.5	155.7	248.4	0.0	0.0
KARIMNAGAR	0.0	0.0	3.6	1.8	7.2	197.9	148.8	177.3	75.8	123.0	2.5	0.0
KHAMMAM	0.0	0.0	16.1	0.8	58.4	258.0	231.9	275.9	115.0	72.0	0.7	0.0
MAHBUBNAGAR	0.0	0.0	8.2	6.2	23.4	155.1	85.3	124.1	144.5	162.9	0.6	0.0
MEDAK	0.0	0.0	13.3	0.0	4.9	202.5	147.0	214.6	68.1	101.9	0.0	0.0
NALGONDA	0.0	0.0	0.6	7.3	12.1	146.0	96.3	131.1	154.0	106.3	0.6	0.0
NIZAMABAD	0.0	0.0	9.7	0.1	9.8	204.9	154.2	264.7	67.9	118.1	1.5	0.0
RANGAREDDY	0.0	0.0	2.0	5.8	26.2	179.4	118.7	140.3	132.3	169.5	0.0	0.0
WARANGAL	0.0	0.0	5.6	1.0	19.5	225.5	197.4	241.1	159.9	121.3	1.0	0.0
<b>TRIPURA</b>												
DHALAI	0.0	24.2	247.7	491.9	201.2	599.9	246.1	508.8	288.6	493.1	2.0	122.5
NORTH TRIPURA	0.0	5.3	209.4	507.8	445.2	790.7	322.1	612.8	308.4	331.8	2.5	100.4
SOUTH TRIPURA	0.0	16.1	144.9	348.3	155.2	461.1	513.2	434.9	415.2	362.9	2.5	91.4
WEST TRIPURA	0.0	33.8	230.8	403.8	235.0	710.4	552.4	481.3	391.8	269.5	3.3	82.4
<b>UTTAR PRADESH</b>												
AGRA	12.4	0.0	11.1	1.6	20.0	43.3	82.0	70.9	78.1	0.0	0.0	3.0
ALIGARH	24.6	0.0	31.3	0.0	28.0	193.3	117.9	86.6	160.6	0.0	0.0	5.4
ALLAHABAD	0.2	0.0	0.1	1.2	4.7	40.2	466.7	117.8	60.9	0.4	0.0	0.0
AMBEDKAR NAGAR	6.0	0.0	0.0	1.0	40.3	51.4	401.9	142.1	140.3	0.0	0.0	0.0
AMETHI	2.5	0.0	0.0	0.0	9.0	44.7	160.9	66.5	97.2	1.0	0.0	0.0
AURAIYA	5.0	0.0	2.0	2.0	15.0	69.0	85.5	112.8	42.2	0.0	0.0	0.0
AZAMGARH	8.3	0.0	0.0	6.6	15.7	62.3	497.0	253.0	100.5	0.5	0.0	0.0
BADAUN	29.0	0.0	24.8	0.4	14.2	65.4	224.8	148.9	132.0	0.0	0.0	0.0
BAGHPAT	68.5	0.0	14.7	1.3	22.9	139.5	159.7	89.3	165.0	0.0	0.0	10.4
BAHRAICH	21.7	0.3	37.9	16.1	75.1	117.2	393.9	287.6	131.8	12.8	0.0	0.0
BALLIA	6.3	0.0	6.1	0.0	40.7	53.6	252.5	161.7	71.2	2.8	0.0	0.0
BALRAMPUR	7.0	0.0	6.0	0.0	13.5	50.2	243.3	260.0	52.8	15.9	0.0	0.0
BANDA	0.0	0.0	1.9	0.0	13.5	35.5	237.0	161.0	59.4	0.0	0.0	0.0
BARABANKI	8.3	0.0	10.7	0.6	8.0	29.9	387.8	243.5	152.3	0.0	0.0	0.0
BAREILLY	37.5	0.8	14.1	0.4	5.9	52.0	414.6	163.9	233.1	3.9	0.0	0.6
BASTI	18.2	0.0	2.5	1.1	67.3	53.9	396.2	215.5	139.7	14.3	0.0	0.0
BIJNOR	43.3	8.6	1.5	2.8	26.7	130.2	333.4	191.9	311.5	0.0	0.0	5.2
BULANDSHAHAR	25.8	0.0	4.5	5.0	8.0	98.7	98.2	108.4	198.3	0.0	0.0	1.3
CHANDAULI	1.0	0.0	0.0	0.0	0.0	13.0	315.6	102.4	13.4	0.0	0.0	0.0
DEORIA	6.5	0.0	0.5	0.4	58.0	62.0	231.1	181.0	63.5	0.0	0.0	0.0
ETAH	16.4	0.0	14.7	0.0	12.3	127.4	150.7	118.4	86.0	0.0	0.0	0.0
ETAWAH	8.0	0.0	8.5	0.0	11.5	55.9	126.3	137.9	47.6	0.0	0.0	0.0
FAIZABAD	14.8	0.0	0.0	1.0	7.4	37.1	267.8	142.9	145.5	0.0	0.0	0.0
FARRUKHABAD	6.7	0.0	17.1	0.0	16.6	76.9	203.9	192.6	134.8	0.0	0.0	0.0
FATEHPUR	7.2	0.0	0.0	5.4	48.1	6.5	265.2	152.5	49.2	0.0	0.0	0.0
FIROZABAD	13.8	0.0	13.5	0.0	8.8	59.5	185.0	227.7	146.0	0.0	0.0	1.3
GAUTAM BUDDHA NAGAR	4.0	0.0	7.0	0.0	3.0	69.0	28.0	42.0	151.1	0.0	0.0	1.0
GAZIABAD	22.7	0.0	10.3	0.0	6.6	65.4	42.7	104.9	135.9	0.0	0.0	4.5
GHAZIPUR	0.0	0.0	0.7	4.9	34.5	25.9	384.0	142.7	97.7	5.9	0.0	0.0
GONDA	10.5	0.0	6.0	0.0	43.0	47.7	332.2	164.3	73.1	0.0	0.0	0.0
GORAKHPUR	6.5	0.0	2.7	1.2	53.0	110.3	412.0	300.3	129.7	7.0	0.0	0.0
HAMIRPUR	8.0	0.0	1.0	0.0	18.3	29.1	178.5	84.5	48.3	12.0	0.0	0.3
HARDOI	18.8	1.0	10.1	0.2	9.1	53.3	251.7	157.2	58.4	0.0	0.0	0.2
JALAUN	22.2	0.0	0.3	0.0	19.9	64.5	117.5	103.7	33.7	0.0	0.0	0.0

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JAUNPUR	3.9	0.0	0.0	0.0	7.6	21.5	206.3	105.9	65.0	0.9	0.0	0.0
JHANSI	4.9	0.0	0.8	0.0	6.7	97.5	149.4	145.9	60.2	2.8	0.0	0.5
JYOTIBA PHULE NAGAR	23.5	0.0	16.5	0.5	26.0	49.5	280.5	185.5	233.0	0.0	0.0	1.1
KANNAUJ	24.0	0.0	14.0	0.0	44.0	64.1	289.2	197.5	99.0	0.0	0.0	0.0
KANPUR CITY	15.1	0.0	1.2	2.4	13.5	24.0	252.5	139.6	41.4	0.0	0.0	0.3
KANPUR DEHAT	7.0	0.0	0.0	0.0	15.2	25.6	161.8	119.4	28.5	0.0	0.0	0.0
KANSHIRAM NAGAR	29.0	2.0	6.0	0.0	33.0	226.0	251.0	80.0	80.0	0.0	0.0	0.0
KAUSHAMBI	0.0	0.0	0.0	0.0	2.4	33.7	312.7	151.1	78.7	0.0	0.0	0.0
KHERI	38.5	0.0	11.0	0.0	63.7	87.9	366.0	330.2	148.7	0.0	0.0	0.0
KUSHI NAGAR	2.5	0.0	1.0	1.0	31.8	47.4	244.3	96.3	33.8	0.0	0.0	0.0
LALITPUR	0.0	8.0	6.5	0.0	1.5	135.5	287.5	64.0	171.0	0.0	0.0	0.0
LUCKNOW	7.9	0.0	2.7	0.0	2.8	48.8	298.0	247.9	59.3	4.7	0.0	0.3
MAHAMAYA NAGAR	20.0	0.0	12.0	0.0	0.0	98.5	57.0	46.0	59.0	0.0	0.0	0.0
MAHARAJGANJ	5.8	0.0	1.0	11.0	68.7	51.0	273.5	449.8	83.3	2.5	0.0	0.0
MAHOBA	0.0	0.0	0.0	0.0	16.4	65.0	222.2	143.1	49.8	0.0	0.0	0.0
MAINPURI	9.1	0.0	8.9	0.0	9.0	38.9	269.0	130.4	131.1	0.0	0.0	0.0
MATHURA	1.0	0.0	0.0	0.0	2.0	30.8	133.5	60.0	36.5	0.0	0.0	0.0
MAU	10.0	0.0	0.0	2.5	11.5	12.0	208.0	129.7	28.5	0.0	0.0	0.0
MEERUT	47.8	0.0	7.0	11.1	18.5	92.7	126.1	90.1	202.6	0.0	0.0	7.1
MIRZAPUR	0.5	0.0	0.0	0.0	15.5	39.9	395.4	100.5	14.6	0.0	0.0	0.0
MORADABAD	24.8	0.3	7.3	4.8	7.0	88.6	350.8	207.7	245.2	3.0	0.0	1.2
MUZAFFARNAGAR	51.3	0.6	5.0	0.7	15.2	57.6	63.9	149.8	206.0	0.0	0.0	5.2
PILIBHIT	14.4	1.0	1.0	0.0	1.4	13.6	143.9	177.4	111.8	0.0	0.0	0.7
PRATAPGARH	1.7	0.0	0.0	0.0	9.7	41.7	520.7	189.4	76.2	2.7	0.0	0.0
RAE BAREILLY	5.3	0.0	0.4	0.0	4.6	29.9	211.1	131.8	49.0	0.0	0.0	0.0
RAMPUR	12.0	0.0	8.6	0.0	13.2	45.8	189.6	123.0	126.5	0.0	0.0	0.7
SAHARANPUR	48.3	3.3	6.7	9.0	1.0	184.1	132.3	182.0	192.0	0.0	0.0	2.7
SAHUJI MAHARAJ NAGAR	0.0	0.0	0.0	0.0	1.5	74.5	439.7	192.3	126.5	0.0	0.0	0.0
SANT KABIR NAGAR	5.0	0.0	0.0	10.0	94.0	56.0	491.0	295.0	205.0	0.0	0.0	0.0
SANT RAVIDAS NAGAR	22.0	0.0	0.0	0.0	0.0	3.0	246.0	126.0	53.0	2.0	0.0	0.0
SHAHJAHANPUR	21.4	0.5	8.9	0.0	33.5	46.6	150.0	165.8	145.7	0.0	0.0	0.0
SHRAWASTI NAGAR		0.0	0.0	23.0	106.0	321.8	466.9	87.0	40.1	0.0	0.0	0.0
SIDDHARTH NAGAR	0.0	0.0	1.0	0.0	11.2	29.4	325.8	555.6	233.9	2.1	0.0	0.0
SITAPUR	15.0	0.0	6.5	6.3	28.5	69.0	263.3	153.5	99.2	0.0	0.0	0.0
SONBHADRA	6.0	0.0	1.2	0.0	16.6	39.8	552.4	74.3	37.4	18.5	0.0	0.0
SULTANPUR	16.5	0.0	2.2	4.0	3.8	68.1	260.7	114.0	78.9	0.1	0.0	0.0
UNNAO	16.3	0.0	0.0	0.0	19.8	53.3	238.1	77.5	56.0	0.0	0.0	0.4
VARANASI	4.9	0.0	1.2	1.3	9.4	47.9	456.8	146.0	94.3	3.7	0.0	0.0
<b>UTTARAKHAND</b>												
ALMORA	26.0	5.1	15.6	24.1	109.9	133.6	451.6	196.7	215.6	0.1	0.0	6.0
BAGESHWAR	14.8	0.0	19.5	33.2	97.4	135.5	547.8	298.2	147.7	1.0	0.0	5.8
CHAMOLI	29.0	20.4	70.7	103.0	116.4	206.6	446.4	388.4	200.9	1.0	0.9	20.7
CHAMPAWAT	29.0	7.0	12.0	16.5	63.5	143.0	551.5	411.9	164.5	2.0	0.0	4.0
DEHRADUN	41.6	10.7	36.1	37.8	81.8	390.5	603.5	460.1	264.5	0.0	0.1	23.6
GARHWAL PAURI	34.4	3.4	22.8	19.0	50.6	102.6	278.3	348.6	168.8	0.0	0.3	14.7
GARHWAL TEHRI	58.2	22.6	43.9	44.0	74.0	135.8	294.8	164.4	192.9	0.0	0.4	26.8
HARDWAR	27.7	7.7	24.8	46.1	8.6	170.3	112.0	290.9	354.0	0.0	0.0	13.7
NAINITAL	51.1	13.5	21.9	15.6	162.0	176.3	654.7	506.8	413.1	0.0	0.0	3.5
PITHORAGARH	27.2	15.3	57.1	85.9	133.7	180.9	642.6	532.0	132.8	19.3	0.2	15.1
RUDRAPRAYAG	34.5	8.9	81.3	113.6	232.6	263.7	530.4	413.6	284.4	0.3	0.0	37.0

Districts	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
UDHAM SINGH NAGAR	24.4	0 .7	3 .4	1 .9	12.7	68.3	360.3	302.1	216.0	0 .0	0 .0	1 .8
UTTARKASHI	52.2	24.8	75.9	58.8	153.4	178.2	426.7	179.9	166.8	0 .0	0 .2	37.1
<b>WEST BENGAL</b>												
BANKURA	0 .0	0 .0	16.9	27.9	76.3	228.8	634.2	330.4	186.1	249.1	25.3	5 .2
BIRBHUM	4 .6	0 .0	4 .8	28.0	160.8	156.6	487.1	238.6	166.5	214.5	2 .5	4 .7
BURDWAN	1 .2	0 .0	32.6	28.3	171.2	255.8	464.1	252.9	178.2	260.1	14.5	9 .1
COOCH BEHAR	0 .1	0 .0	67.8	198.1	377.7	422.2	411.6	1100.6	352.5	188.1	0 .0	0 .0
DARJEELING	0 .9	4 .6	79.1	61.3	276.1	531.0	760.2	767.9	531.0	63.8	7 .6	0 .0
EAST MIDNAPORE	0 .0	0 .0	58.7	19.0	89.1	158.0	484.5	223.8	227.7	216.2	32.2	22.0
HOOGHLY	0 .0	0 .0	23.9	11.8	115.2	186.6	434.6	227.0	180.8	212.4	25.2	19.9
HOWRAH	0 .1	0 .0	71.5	11.3	65.4	174.7	629.6	281.8	155.5	223.1	32.3	14.0
JALPAIGURI	1 .9	0 .8	83.8	101.3	287.4	631.0	569.7	1167.3	596.1	204.4	2 .8	1 .2
KOLKATA	0 .1	0 .0	138.9	4 .5	41.9	240.0	621.5	385.9	181.9	247.2	41.7	16.7
MALDA	0 .9	0 .0	12.4	94.8	110.6	76 .5	352.6	580.5	200.1	143.9	0 .0	5 .7
MURSHIDABAD	2 .7	0 .0	16.7	53.6	130.3	134.4	336.7	224.0	163.1	108.7	0 .9	16.1
NADIA	0 .0	0 .0	12.4	12.2	136.3	221.3	404.2	200.9	147.4	155.2	23.6	21.5
NORTH 24 PARGANAS	0 .0	0 .0	44.2	5 .2	87.6	258.6	502.3	257.2	238.4	288.5	39.0	28.8
NORTH DINAJPUR	3 .4	0 .0	35.5	143.5	121.4	169.1	395.8	605.3	128.3	257.2	0 .0	0 .0
PURULIA	0 .1	0 .0	13.6	43.7	115.3	186.2	568.2	249.6	197.0	180.5	10.6	1 .1
SOUTH 24 PARGANAS	0 .0	0 .1	69.8	27.3	42.9	149.2	540.4	276.1	207.5	310.3	26.7	24.8
SOUTH DINAJPUR	1 .6	0 .0	40.9	91.5	68.5	150.3	161.2	522.0	133.4	75.7	0 .0	0 .0
WEST MIDNAPORE	5 .0	0 .0	43.9	17.4	109.2	205.5	411.7	311.9	202.7	203.4	32.1	9 .3

**Table 27: % Departure of District-wise Monthly Rainfall - Year 2017**

DISTRICTS	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
LOHIT	-93%	50%	33%	-2%	12%	-5%	-30%	19%	-21%	57%	-73%	-100%
LOWER DIBANG VALLEY	-73%	-19%	20%	124%	112%	131%	168%	765%	24%	92%	-90%	-90%
LOWER SUBANSIRI												
PAPUMPARA	-91%	-19%	-20%	49%	-18%	2%	53%	-6%	-21%	51%	-19%	-96%
TAWANG	-83%	-8%	99%	66%	-65%	-87%	-91%	-51%	-57%			-100%
TIRAP	-98%	-98%	34%	-31%	-2%	-64%	-55%	-17%	-12%	-22%	-81%	-100%
UPPER SIANG	-84%	-11%	16%	67%	-1%	-16%	17%	32%	-2%	155%	-56%	-80%
UPPER SUBANSIRI	-96%	8%	54%	-7%	30%	51%	139%	25%	18%	25%	-98%	-40%
WEST KAMENG	-91%	-68%	-53%	-26%	-72%	-57%	-70%	-41%	-54%	-73%	-86%	-100%
WEST SIANG	-67%	-2%	94%	18%	-11%	5%	-9%	19%	49%	98%	-98%	-80%
<b>ASSAM</b>												
BAKSA	-73%	110%	11%	24%	-44%	-30%	-73%	-23%	-31%	-57%	-92%	-100%
BARPETA	-100%	54%	5%	101%	-45%	-22%	-48%	29%	40%	44%	-51%	-100%
BONGAIGAON	-100%	63%	6%	113%	-50%	-37%	-48%	123%	89%	81%	-79%	-100%
CACHAR	-100%	-23%	89%	56%	-21%	10%	-9%	20%	-44%	99%	-71%	786%
CHIRANG	-96%	-15%	11%	150%	-4%	34%	-12%	146%	111%	88%	36%	-100%
DARRANG												-100%
DHEMAJI	-93%	44%	17%	72%	-15%	-8%	16%	-5%	-1%	53%		-95%
DHUBRI	-92%	-30%	85%	202%	-31%	-24%	-45%	-16%	17%	4%	-100%	-100%
DIBRUGARH	-88%	83%	-2%	4%	8%	-29%	-11%	-31%	-17%	39%	-96%	-92%
GOALPARA	-94%	10%	75%	69%	-27%	-25%	-7%	18%	96%	17%	-97%	-100%
GOLAGHAT	-100%	68%	106%	22%	7%	-12%	26%	-16%	1%	45%	-79%	-100%
HAILAKANDI	-100%	37%	93%	94%	-32%	26%	-33%	16%	-53%	17%	-80%	861%
JORHAT	-99%	-3%	45%	0%	2%	-29%	24%	-38%	6%	39%	-15%	-100%
KAMRUP (RURAL)	-100%	71%	-61%	167%	-7%	0%	-3%	-20%	10%	-6%	5%	-100%
KAMRUP METRO.	-100%	-50%	7%	99%	-43%	-5%	9%	-15%	-19%	4%	-89%	-99%
KARBAL ANGLONG	-100%	-73%	192%	65%	-21%	21%	13%	-22%	-10%	38%	-71%	-49%
KARIMGANJ	-100%	84%	136%	129%	-9%	41%	-16%	75%	-1%	93%	-67%	828%
KOKRAJHAR	-100%	-99%	96%	90%	-19%	-38%	-32%	77%	43%	96%	-99%	-100%
LAKHIMPUR	-77%	-8%	-1%	110%	8%	-4%	54%	-10%	22%	146%	-23%	-98%
MORIGAON	-100%	-73%	-52%	89%	1%	-21%	-38%	20%	-53%	22%	2%	-100%
N. C. HILLS	-100%	-9%	-20%	71%	-17%	10%	-12%	45%	89%	75%	-32%	107%
NAGAON	-100%	-44%	21%	21%	20%	-26%	-36%	-7%	-17%	-8%	-10%	-38%
NALBARI	-69%	69%	16%	67%	-43%	-29%	-35%	-21%	55%	19%	-35%	-100%
SHONITPUR	-89%	189%	-24%	36%	-16%	35%	15%	-10%	-18%	0%	-57%	-100%
SIBSAGAR	-100%	5%	36%	58%	-5%	-2%	12%	-47%	33%	55%	-75%	-100%
TINSUKIA	-79%	52%	-2%	32%	26%	-22%	-10%	-20%	-4%	124%	-82%	-99%
UDALGURI	-96%	304%	-12%	50%	-46%	-24%	-26%	-17%	38%	66%	-52%	-100%
<b>BIHAR</b>												
ARARIA	-100%	-100%	218%	-49%	-18%	-47%	-28%	110%	-28%	-14%	-100%	-100%
ARWAL	-100%	-100%	-17%	162%	2%	-82%	19%	-59%	-38%	-100%	-100%	-100%
AURANGABAD	-100%	-100%	-46%	-40%	71%	-66%	61%	3%	-50%	-89%	-100%	-100%
BANKA	-100%	-100%	-33%	57%	75%	-35%	47%	-3%	11%	54%	-100%	-100%
BEGUSARAI	-100%	-100%	57%	-3%	28%	-65%	6%	13%	-49%	16%	-100%	-100%
BHABUA	-100%	-100%	-86%	-100%	-98%	-60%	36%	-2%	-78%	-100%	-100%	-100%
BHAGALPUR	-78%	-100%	80%	-3%	70%	-66%	30%	22%	-5%	208%	-99%	-100%
BHOJPUR	-100%	-100%	-100%	-28%	15%	-19%	-33%	-60%	-39%	-95%	-100%	-100%
BUXAR	-100%	-100%	-100%	441%	231%	-85%	50%	-17%	-53%	-50%	-100%	-100%
DARBHANGA	-100%	-100%	124%	154%	130%	-31%	46%	56%	-64%	-97%	-100%	-100%
EAST CHAMPARAN	-75%	-100%	205%	-40%	79%	-48%	-5%	-16%	-38%	-100%	-100%	-100%
GAYA	-96%	-100%	34%	-100%	-14%	-78%	9%	4%	-44%	-91%	-97%	-100%

DISTRICTS	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
GOPALGANJ	-86%	-100%	51%	-40%	91%	-38%	23%	-41%	-14%	-92%	-100%	-100%
JAHANABAD	-100%	-100%	-89%	-100%	-9%	19%	23%	-50%	-25%	-100%	-100%	-100%
JAMUI	-100%	-100%	-100%	-9%	178%	-47%	28%	-26%	-69%	235%	-100%	-100%
KATIHAR	-100%	-100%	80%	109%	29%	-34%	0%	28%	-25%	208%	-100%	-84%
KHAGARIA	-100%	-100%	-45%	89%	12%	-28%	7%	-40%	-61%	23%	-100%	-100%
KISHANGANJ	-100%	-100%	279%	-88%	29%	-54%	8%	116%	-30%	-8%	-100%	-100%
LAKHISARAI	-100%	-100%	-100%	-100%	-35%	-44%	-3%	-17%	-51%	83%	-100%	-100%
MADHEPURA	-100%	-100%	383%	-5%	52%	-33%	8%	-19%	-54%	-13%	-100%	-100%
MADHUBANI	-97%	-100%	195%	74%	59%	-47%	11%	53%	-31%	-90%	-100%	-100%
MONGHYR	-100%	-100%	-100%	-100%	73%	-68%	0%	-46%	-7%	67%	-100%	-100%
MUZAFFARPUR	-99%	-100%	87%	-60%	86%	-58%	15%	-23%	-60%	-98%	-100%	-100%
NALANDA	-100%	-100%	-77%	-100%	-29%	-73%	26%	-30%	-54%	-76%	-100%	-100%
NAWADA	-100%	-100%	-79%	-100%	-61%	-79%	10%	-23%	-71%	-54%	-100%	-100%
PATNA	-100%	-100%	-14%	10%	35%	-45%	-10%	-32%	-50%	-65%	-100%	-100%
PURNEA	-47%	-100%	488%	256%	82%	-54%	-7%	56%	-48%	76%	-100%	-100%
ROHTAS	-96%	-100%	-68%	-86%	59%	-45%	72%	-4%	-81%	-85%	-97%	-100%
SAHARSA	-100%	-100%	549%	-100%	16%	-52%	-1%	-13%	-72%	-68%	-100%	-100%
SAMASTIPUR	-100%	-100%	106%	102%	126%	-27%	40%	38%	-51%	-55%	-100%	-100%
SARAN	-100%	-100%	-29%	-2%	92%	-36%	22%	-20%	-62%	-100%	-100%	-100%
SHEIKHPURA	-100%	-100%	-96%	-100%	101%	-39%	-2%	-24%	-62%	-32%	-100%	-100%
SHEOHAR	-100%	-100%	247%	-100%	93%	-42%	-11%	1%	-27%	-100%	-100%	-100%
SITAMARHI	-100%	-100%	19%	100%	-20%	-45%	-18%	19%	-56%	-97%	-100%	-100%
SIWAN	-99%	-100%	27%	21%	221%	-55%	-23%	-40%	-66%	-99%	-100%	-100%
SUPAUL	-99%	-100%	268%	280%	108%	-42%	-8%	98%	-51%	-57%	-100%	-100%
VAISHALI	-100%	-100%	94%	-1%	174%	-28%	-2%	-26%	-72%	-100%	-100%	-100%
WEST CHAMPARAN	-80%	-100%	644%	107%	83%	-60%	-1%	168%	32%	-80%	-100%	-100%
<b>CHANDIGARH (UT)</b>												
CHANDIGARH	209%	-96%	-34%	-29%	-81%	-14%	-31%	8%	-6%	-100%	-100%	-37%
<b>CHHATTISGARH</b>												
BALOD	-100%	-100%	108%	-100%	43%	64%	37%	11%	41%	-61%	-100%	-100%
BALODA BAZAR	-100%	-100%	-64%	-100%	-100%	-42%	-39%	-30%	-31%	-44%	-100%	-100%
BALRAMPUR	-93%	-100%	-100%	-100%	-90%	-79%	30%	-21%	-43%	-64%	-100%	-100%
BASTAR	-100%	-100%	-90%	-75%	9%	11%	22%	14%	0%	37%	-100%	-100%
BEMETARA	-91%	-100%	-92%	-100%	-79%	15%	-18%	-2%	7.8%	-15%	-52%	-100%
BIJAPUR	-100%	-100%	-92%	-84%	53%	-7%	-6%	-22%	-44%	7%	-100%	-100%
BILASPUR	-82%	-49%	-79%	-99%	-7%	-2%	-25%	-19%	-19%	-37%	-91%	-100%
DANTEWADA	-100%	-100%	-100%	-100%	257%	39%	-27%	23%	-47%	-18%	-100%	-100%
DHAMTARI	-100%	-98%	9.8%	-100%	21%	7%	-15%	-2%	33%	17%	-100%	-100%
DURG	-64%	-100%	-3%	-100%	128%	-28%	-41%	-13%	-25%	15%	-100%	-100%
GARIABAND	-100%	-100%	-13%	-100%	-8.8%	-21%	-21%	-13%	-11%	4.2%	-100%	-100%
JANJGIR	-100%	-100%	-100%	-100%	-3.8%	26%	-9%	-49%	-29%	-14%	-100%	-100%
JASHPUR	-100%	-95%	-100%	-100%	-2.6%	-28%	37%	-36%	-36%	-62%	-100%	-100%
KABIRDHAM	-100%	-100%	-100%	-100%	268%	37%	26%	127%	-26%	-23%	-100%	-100%
KANKER	-100%	-100%	-100%	-100%	-100%	3%	-6%	-30%	1%	54%	-100%	-100%
KONDAGAON	-100%	-100%	-100%	-100%	43%	90%	-6%	-30%	-64%	120%	-100%	-100%
KORBA	-68%	-100%	-100%	-100%	0%	-33%	1%	-34%	4%	-42%	-96%	-100%
KORIYA	-100%	-59%	-100%	-100%	-60%	-39%	-9%	-63%	-37%	-28%	-100%	-100%
MAHASAMUND	-100%	-100%	-100%	-100%	-100%	1%	-15%	-20%	-12%	-9%	-100%	-100%
MUNGELI	-68%	-89%	-100%	-100%	-8.6%	4%	-33%	-14%	-69%	-100%	-100%	-100%
NARAYANPUR	-100%	-100%	-100%	-100%	2.6%	0%	-25%	-38%	-5%	-27%	-100%	-100%
RAIGARH	-100%	-100%	-100%	-100%	-7.6%	13%	-11%	-37%	-11%	-5%	-95%	-100%

DISTRICTS	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
RAIPUR	-44%	-100%	-58%	-100%	-63%	15%	-61%	-30%	13%	29%	-100%	-100%
RAJNANDGAON	-100%	-100%	25%	-100%	-27%	-17%	-20%	-46%	-32%	-21%	-100%	-100%
SUKMA	-100%	-100%	-100%	-100%	-100%	149%	37%	11%	-1%	103%	-100%	-100%
SURAJPUR	-100%	-100%	-100%	-100%	-86%	-66%	61%	-22%	-35%	-77%	-100%	-100%
SURGUJA	-72%	-76%	-93%	-100%	-87%	-9%	66%	-20%	-27%	-30%	-92%	-100%
<b>DADARA &amp; NAGAR HAVELI</b>												
DADARA & NAGAR HAVELI			-100%	-100%	-79%	114%	56%	11%	-13%	204%		
<b>DAMAN &amp; DIU</b>												
DAMAN				-100%	-100%	93%	26%	-2%	-65%	34%	-100%	
DIU	-100%	-100%	-100%	-100%	-100%	0%	95%	106%	-22%	-16%	-100%	811%
<b>DELHI</b>												
CENTRAL DELHI	16%	-100%	-67%	-44%	-17%	64%	-35%	-18%	28%	-100%	-100%	-42%
EAST DELHI	95%	-100%										
NEW DELHI	93%	-100%	-28%	208%	90%	224%	-15%	-33%	41%	-100%	-93%	-15%
NORTH DELHI	64%	-100%	-48%	-90%	30%	194%	-43%	-58%	2%	-100%	-96%	-34%
NORTH EAST DELHI	83%	-100%	-48%	-100%	14%	19%	-52%	-72%	-86%	-100%	-100%	-100%
NORTH WEST DELHI	155%	-100%	-67%	-96%	-22%	139%	-49%	-80%	3%	-100%	-100%	-65%
SOUTH DELHI	126%	-100%	-70%	901%	-12%	74%	-60%	-39%	7%	-100%	-97%	-21%
SOUTH WEST DELHI	153%	-100%	0%	99%	-35%	10%	-56%	-36%	-5%	-100%	-98%	-37%
WEST DELHI	156%	-100%		12%	-15%	-10%	-34%	-37%	33%	-100%	-100%	-42%
<b>GOA</b>												
NORTH GOA	-100%	-100%	-100%	-100%	-40%	-7%	-26%	-27%	55%	3%	-100%	-57%
SOUTH GOA	-100%	-100%	-100%	-100%	-37%	-15%	-23%	-23%	39%	-11%	-97%	26%
<b>GUJARAT</b>												
AHMEDABAD	-100%	-100%	-100%	-100%	-97%	-7%	118%	-50%	-53%	-100%	-100%	58%
AMRELI	-100%	-100%	-100%	192%	-100%	-29%	62%	-14%	-33%	24%	-100%	180%
ANAND	-100%	-100%	-100%	-100%	-76%	-20%	36%	-35%	-55%	-100%	-100%	-26%
ARAVALLI	-100%	-100%	-100%	-100%	-100%	-36%	108%	-44%	-61%	-100%	-100%	342%
BANASKANTHA	-100%	-100%	-100%	-84%	-91%	21%	327%	-48%	-74%	-100%	-100%	-43%
BHARUCH	-100%	-100%	-100%	-100%	-100%	34%	-6%	6%	-57%	-5%	-100%	387%
BHAVNAGAR	-100%	-100%	-100%	-100%	-100%	-39%	28%	53%	-39%	-5%	-100%	615%
BOTAD	-100%	-100%	-100%	-100%	-100%	-15%	92%	41%	-22%	-100%	-100%	468%
CHHOTA UDEPUR	-100%	-100%	-100%	-100%	-100%	-41%	12%	-34%	-50%	-67%	-100%	260%
DAHOD	-100%	-100%	-100%	-100%	-78%	0%	28%	-61%	-65%	-96%	-100%	130%
DANGS	-100%	-100%	-100%	-100%	-100%	12%	27%	-39%	-49%	73%	-100%	2261%
DEVBHOOMI DWARKA	-100%	-100%	-100%	-100%	-100%	30%	48%	131%	-85%	-100%	-100%	-100%
GANDHINAGAR	-100%	-100%	-100%	-100%	-93%	-2%	217%	-35%	-32%	-100%	-100%	165%
GIR SOMNATH	-100%	-100%	-100%	-100%	-100%	-49%	84%	60%	-23%	-27%	-100%	557%
JAMNAGAR	-100%	-100%	-100%	-100%	-100%	-15%	110%	12%	-91%	-100%	-100%	-100%
JUNAGADH	-100%	-100%	-100%	-100%	-100%	-32%	7%	80%	-17%	-70%	-100%	275%
KHEDA	-100%	-100%	-100%	-100%	-100%	-6%	77%	-41%	-49%	-89%	-100%	7%
KUTCH	-78%	-85%	-100%	-100%	-100%	31%	95%	0%	-43%	-100%	-99%	-100%
MAHISAGAR	-100%	-100%	-100%	-100%	-100%	37%	71%	-66%	-69%	-100%	-100%	329%
MEHSANA	-100%	-100%	-100%	-100%	-100%	36%	146%	-44%	-86%	-100%	-100%	-80%
MORBI	-100%	-100%	-100%	-100%	-100%	-34%	266%	38%	-77%	-100%	-100%	200%
NARMADA	-100%	-100%	-100%	-100%	-100%	25%	4%	-28%	-66%	-4%	-100%	862%
NAVSARI	-100%	-100%	-100%	-100%	-100%	-5%	18%	-32%	-53%	-18%	-100%	2803%
PANCHMAHAL	-100%	-100%	-100%	-100%	-100%	-15%	57%	-57%	-53%	-90%	-100%	212%
PATAN	-100%	-100%	-100%	-100%	-100%	57%	250%	-41%	-75%	-100%	-100%	68%
PORBANDAR	-100%	-100%	-100%	-100%	-100%	10%	-16%	52%	2%	-100%	-100%	-100%
RAJKOT	-100%	-100%	-100%	-100%	-55%	34%	95%	10%	-27%	-100%	-100%	-90%

DISTRICTS	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
SABARKANTHA	-100%	-100%	-100%	-100%	-100%	16 %	133%	-31%	-75%	-100%	-100%	213 %
SURAT	-100%	-100%	-100%	-100%	-99%	8 %	5 %	-10%	-46%	82 %	-100%	1338%
SURENDRANAGAR	-100%	-100%	-100%	-100%	-100%	-4 %	253%	-2 %	-78%	-100%	-100%	96 %
TAPI	-100%	-100%	-100%	-100%	-100%	-43%	-9 %	-54%	-55%	134 %	-100%	1120%
VADODARA	-100%	-100%	-100%	-100%	-95 %	-34%	-1 %	-60%	-74%	-96%	-100%	183 %
VALSAD	-100%	-100%	-100%	-100%	-90 %	28 %	53 %	-2 %	-40%	104 %	-100%	11486%
<b>HARYANA</b>												
AMBALA	162 %	-96%	-43%	84 %	-54 %	33 %	-69%	-18%	-28%	-100%	-100%	-60 %
BHIWANI	14 %	-100%	-20%	19 %	-52 %	219%	-45%	-67%	-51%	-100%	110 %	-34 %
FARIDABAD	-1 %	-100%	38 %	-63%	93 %	207%	-26%	-84%	129%	-100%	-90%	-25 %
FATEHABAD	21 %	-100%	-79%	-79%	-92 %	52 %	-76%	-76%	-17%	-100%	-49%	-20 %
GURGAON	182 %	-100%	-66%	-56%	14 %	156%	-64%	-82%	-19%	-100%	-100%	-69 %
HISAR	109 %	-100%	-51%	-81%	-64 %	278%	-60%	-62%	-58%	-100%	-66%	-13 %
JHAJJAR	62 %	-100%	-91%	-81%	9 %	448%	-23%	-69%	-52%	-100%	-96%	-77 %
JIND	180 %	-100%	-41%	-72%	-56 %	269%	-69%	-44%	-40%	-100%	-58%	-24 %
KAITHAL	193 %	-93%	-86%	-91%	-35 %	180%	-64%	-11%	66 %	-100%	-100%	-29 %
KARNAL	120 %	-100%	-49%	-70%	-16 %	180%	-59%	-52%	109 %	-100%	-88%	-48 %
KURUKSHETRA	73 %	-98%	-56%	-36%	-91 %	98 %	-77%	-49%	74 %	-100%	-100%	-46 %
MAHENDRAGARH	45 %	-100%	-65%	51 %	77 %	239%	-53%	-59%	-32%	-100%	-100%	-77 %
MEWAT	177 %	-100%	81 %	-92%	10 %	268%	-64%	-55%	5 %	-100%	-100%	27 %
PALWAL	79 %	-100%	53 %	-100%	40 %	170%	-67%	-83%	56 %	-100%	-100%	41 %
PANCHKULA	92 %	-97%	-62%	-41%	-94 %	-52%	-80%	-44%	-45%	-100%	-100%	-4 %
PANIPAT	96 %	-99%	-36%	-92%	-16 %	71 %	-62%	-65%	-6 %	-100%	-100%	-47 %
REWARI	303 %	-77%	-37%	-100%	146 %	298%	-45%	-39%	-45%	-100%	-100%	-39 %
ROHTAK	27 %	-100%	-50%	-94%	-71 %	159%	-84%	-78%	-24%	-100%	-91%	-66 %
SIRSA	-9 %	-100%	-85%	-100%	-63 %	246%	-87%	-81%	69 %	-100%	-5 %	7 %
SONEPAT	112 %	-100%	-36%	-67%	-21 %	191%	-50%	-81%	53 %	-100%	-100%	-75 %
YAMUNA NAGAR	107 %	-93%	-25%	56 %	-52 %	58 %	-47%	-9 %	44 %	-100%	-100%	-47 %
<b>HIMACHAL PRADESH</b>												
BILASPUR	210 %	-70%	-11%	108 %	14 %	-7 %	-46%	69 %	9 %	-99%	-98%	50 %
CHAMBA	49 %	-22%	-37%	106 %	42 %	-1 %	-51%	-59%	-60%	-100%	-89%	23 %
HAMIRPUR	103 %	-80%	-32%	55 %	22 %	-4 %	-21%	40 %	-45%	-100%	-100%	94 %
KANGRA	38 %	-61%	-57%	14 %	21 %	51 %	9 %	3 %	-43%	-95%	-98%	97 %
KINNAUR	32 %	-64%	-39%	56 %	-75 %	6 %	-44%	-66%	-27%	-99%	23 %	-39 %
KULLU	115 %	-20%	-21%	37 %	34 %	77 %	18 %	-36%	23 %	-97%	-19%	6 %
LAHAUL & SPITI	23 %	-41%	-67%	29 %	-55 %	19 %	-88%	-79%	-74%	-100%	-57%	-20 %
MANDI	90 %	-52%	-50%	27 %	73 %	2 %	14 %	16 %	-11%	-100%	-91%	68 %
SHIMLA	73 %	-72%	-25%	60 %	83 %	40 %	-17%	-3 %	12 %	-100%	-83%	-12 %
SIRMAUR	101 %	-81%	-8 %	102 %	109 %	83 %	-46%	-20%	53 %	-100%	-100%	-31 %
SOLAN	253 %	-85%	-40%	87 %	64 %	41 %	-44%	-8 %	-21%	-100%	-96%	-11 %
UNA	103 %	-73%	-52%	147 %	54 %	87 %	-34%	90 %	-45%	-100%	-95%	67 %
<b>JAMMU &amp; KASHMIR</b>												
ANANTNAG	198 %	54 %	-37%	164 %	-26 %	120 %	-24%	-31%	-47%	-99%	-54%	40 %
BADGAM	253 %	-32%	-48%	102 %	-56 %	106 %	-65%	-43%	-73%	-100%	-64%	52 %
BANDIPORE						202%	67 %	75 %	-68%	-100%	-25%	44 %
BARAMULA	230 %	-47%	-38%	49 %	-48 %	148 %	74 %	5 %	32 %	-99%	-66%	21 %
DODA	160 %	-5 %	-61%	24 %	-53 %	166 %	10 %	-40%	-75%	-99%	-77%	33 %
GANDERBAL	202 %	80 %	8 %	62 %	-29 %	189 %	47 %	15 %	-39%	-100%	-66%	90 %
JAMMU	202 %	-28%	-50%	31 %	-59 %	207 %	-23%	-9 %	-58%	-100%	-80%	69 %
KARGIL					-82%	265 %	-100%	-27%	236 %	-85%	-95%	-100%
KATHUA	55 %	-41%	-11%	121 %	98 %	132 %	-13%	40 %	-55%	-100%	-94%	260 %

DISTRICTS	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
KISTWAR												
KULGAM	290%	128%	-34%	85%	-66%	248%	-38%	-21%	-70%	-100%	-40%	168%
KUPWARA	169%	15%	-45%	63%	-72%	17%	-64%	-30%	-71%	-100%	-56%	-5%
LADAKH (LEH)	54%	687%	-91%	434%	-64%	391%	-53%	-58%	-82%	-100%	-100%	-56%
POONCH												
PULWAMA	460%	21%	-33%	168%	-46%	281%	14%	3%	-69%	-100%	-18%	223%
RAJOURI	193%	-27%	-46%	292%	27%	163%	-57%	-12%	-51%	-100%	35%	183%
RAMBAN	193%	-2%	-15%	94%	-45%	173%	-7%	-36%	-49%	-99%	-73%	26%
REASI	109%	-6%	0%	59%	-55%	419%	72%	-1%	-6%	-100%	-25%	129%
SAMBA	86%	-60%	-48%	-68%	-81%	99%	-36%	-46%	-58%	-100%	-86%	28%
SHOPIAN						188%	-8%	-38%	-37%	-100%	33%	47%
SRINAGAR	288%	107%	-22%	168%	-38%	161%	-9%	-34%	-35%	-100%	-55%	3%
UDHAMPUR	196%	28%	-23%	-14%	-62%	115%	-27%	-71%	-90%	-94%	-85%	11%
<b>JHARKHAND</b>												
BOKARO	-76%	-100%	-84%	-34%	42%	-36%	91%	-13%	-60%	-1%	-92%	-100%
CHATRA	-55%	-100%	-26%	-100%	-21%	-55%	3%	-31%	-67%	-43%	-100%	-100%
DEOGHAR	-80%	-100%	-59%	-100%	83%	-48%	51%	-39%	-45%	128%	-96%	-88%
DHANBAD	-21%	-100%	-46%	-3%	-8%	-39%	65%	-44%	-55%	77%	-100%	-100%
DUMKA	-22%	-100%	-100%	-100%	3%	-43%	99%	15%	23%	196%	-100%	-100%
EAST SINGBHUM	-100%	-100%	-27%	-44%	521%	-42%	132%	49%	23%	121%	-19%	-98%
GARHWA	-54%	-98%	-72%	-100%	-100%	-90%	-41%	-43%	-69%	-63%	31%	-100%
GIRIDIH	-62%	-100%	-45%	-79%	26%	-56%	21%	-49%	-55%	103%	-100%	-100%
GODDA	-88%	-100%	-52%	-100%	-61%	-79%	15%	-46%	-25%	157%	-100%	-84%
GUMLA	-100%	-100%	-100%	-100%	-65%	-33%	25%	-25%	-33%	-20%	-71%	-100%
HAZARIBAG	-21%	-100%	-100%	-100%	8%	-31%	103%	-40%	-47%	20%	-100%	-100%
JAMTARA					12%	-34%	31%	-49%	-49%	78%		
KHUNTI	-93%	-100%	-100%	-100%	-100%	-25%	3%	-26%	-63%	-38%	-100%	-100%
KODERMA	-96%	-100%	-73%	-78%	-83%	-88%	75%	-26%	-53%	-48%	-100%	-100%
LATEHAR	63%	-100%	-100%	-100%	-16%	-58%	88%	-19%	-43%	15%	-100%	-100%
LOHARDAGA	-44%	-100%	-85%	-100%	-50%	-10%	98%	-25%	-22%	30%	-16%	-100%
PAKUR	-91%	-100%	-41%	-94%	-23%	-28%	36%	1%	-25%	36%	-100%	-51%
PALAMU	-19%	-92%	-92%	-100%	-45%	-72%	57%	-39%	-73%	-70%	-99%	-100%
RAMGARH					-43%	2%	167%	-15%	-32%	37%		
RANCHI	-99%	-100%	-85%	-85%	-45%	-52%	65%	-27%	-56%	-13%	-84%	-100%
SAHIBGANJ	-100%	-100%	-100%	219%	36%	-68%	-11%	131%	-45%	19%	-54%	19%
SERAIKELA-KHARSAWAN	-100%	-100%	-100%	29%	134%	-50%	67%	-5%	-65%	73%	-74%	-100%
SIMDEGA	-100%	-100%	-96%	-100%	-84%	37%	3%	4%	-26%	-36%	-100%	-100%
WEST SINGBHUM	-100%	-100%	-42%	-49%	47%	-37%	18%	-42%	-62%	44%	-29%	-100%
<b>KARNATAKA</b>												
BAGALKOTE	-100%	-100%	70%	-65%	-4%	0%	-40%	-16%	63%	29%	-86%	-88%
BALLARI	-100%	-100%	653%	-78%	-4%	-20%	-34%	46%	74%	45%	-100%	-100%
BELAGAVI	-100%	-100%	-97%	-70%	-13%	6%	-5%	-48%	105%	9%	-73%	-81%
BENGALURU RURAL	-47%	-100%	63%	2%	123%	-61%	-61%	69%	120%	95%	-71%	-16%
BENGALURU URBAN	-78%	-100%	234%	-34%	93%	-57%	-55%	80%	118%	63%	-72%	-36%
BIDAR	-100%	-100%	251%	-93%	-66%	55%	-60%	13%	-23%	46%	39%	-100%
CHAMARAJANAGAR	-100%	-100%	97%	-50%	57%	-80%	-62%	122%	89%	14%	-44%	-11%
CHIKABALLAPURA	-70%	-100%	451%	65%	112%	-31%	-63%	-5%	51%	82%	-55%	-74%
CHIKKAMAGALURU	-91%	-100%	74%	-57%	22%	-29%	-47%	-16%	19%	-33%	-69%	-95%
CHITRADURGA	-100%	-100%	-75%	-56%	-37%	-31%	-16%	15%	73%	67%	-95%	-99%
DAKSHINA KANNADA	120%	-100%	4%	-40%	-16%	-14%	-40%	-11%	10%	-18%	-54%	-39%
DAVANGERE	-100%	-100%	-53%	-68%	3%	-33%	-30%	15%	100%	56%	-98%	-100%

DISTRICTS	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
DHARWAD	-100%	-100%	-42%	-78%	- 6 %	-49%	-26%	-57%	52%	-27%	-82%	- 9 8 %
GADAG	-100%	-100%	-33%	-83%	2 %	-60%	-41%	- 1 %	41%	0 %	-74%	- 7 2 %
HASSAN	519%	-100%	7 2 %	- 7 %	5 1 %	-35%	-49%	7 %	89%	-31%	-75%	- 1 8 %
HAVERI	-100%	-100%	-65%	0 %	- 7 %	-52%	-27%	-37%	118%	4 2 %	-90%	-100%
KALABURGI	-100%	-100%	168%	-53%	- 2 9 %	103%	-63%	-18%	4 %	4 1 %	-99%	-100%
KODAGU	1542%	-100%	-27%	2 %	1 6 %	-26%	-41%	2 %	61%	-55%	-83%	3 6 %
KOLAR	308%	-100%	139%	17%	8 4 %	48%	-51%	50%	82%	147%	-25%	- 6 1 %
KOPPAL	-100%	-100%	950%	-30%	- 2 7 %	86%	-50%	40%	61%	53%	-100%	- 9 9 %
MANDYA	5 2 %	-100%	224%	5 8 %	124%	-45%	-48%	174%	148%	3 %	-61%	1 6 %
mysuru	250%	-100%	7 7 %	5 6 %	7 4 %	-45%	-33%	140%	167%	-30%	-93%	1 2 4 %
RAICHUR	-100%	-100%	322%	-90%	- 2 2 %	10%	-84%	18%	7 9 %	8 1 %	-100%	-100%
RAMANAGARA	2 5 %	-100%	197%	-18%	132%	-56%	-72%	96%	116%	3 2 %	-54%	- 1 3 %
SHIVAMOGGA	-4 9 %	-100%	-16%	-72%	3 7 %	2 %	-33%	-25%	2 7 %	-41%	-69%	- 9 1 %
TUMAKURU	7 7 %	-100%	2 9 %	-34%	5 4 %	-34%	-53%	14%	60%	5 8 %	-75%	- 8 8 %
UDUPI	-100%	-100%	-100%	-85%	- 1 8 %	10%	-16%	- 4 %	-6 %	3 5 %	-63%	- 2 6 %
UTTARA KANNADA	-100%	-100%	-48%	-80%	- 5 %	-6 %	-29%	-27%	9 %	-9 %	-82%	- 6 6 %
VIJAYAPURA	-100%	-100%	16 %	-64%	-13 %	28%	-63%	14 %	9 %	37 %	-100%	- 4 1 %
YADGIR	-100%	-100%	-68%	-74%	-62 %	40%	-79%	-26%	19%	4 1 %	-100%	-100%
<b>KERALA</b>												
ALAPUZHA	7 1 %	-97%	9 1 %	-70%	- 4 %	-8 %	-47%	- 6 %	58%	-32%	4 %	2 3 %
CANNUR	358%	-100%	-20%	-17%	-23 %	-19%	-41%	2 %	95%	-26%	-24%	- 7 6 %
ERNAKULAM	2 8 %	-100%	214%	-72%	2 %	1 %	-35%	4 %	50%	-2 %	50%	- 3 7 %
IDUKKI	- 4 %	-95%	180%	-53%	-10 %	-21%	-63%	35 %	73%	-17%	-32%	8 9 %
KASARGOD	687%	-100%	-100%	-67%	-67 %	-14%	-32%	10 %	26%	-46%	-53%	- 2 2 %
KOLLAM	2 3 %	-96%	136%	-13%	4 4 %	16%	-68%	9 %	89%	-11%	67 %	3 7 4 %
KOTTAYAM	114%	-99%	203%	-57%	1 2 %	1 %	-42%	17 %	78%	-9 %	51 %	9 2 %
KOZHIKODE	235%	-97%	4 1 %	-16%	- 2 %	-8 %	-31%	9 %	96%	-17%	-65%	- 7 0 %
MALAPPURAM	137%	-100%	131%	-69%	-44 %	-14%	-46%	16 %	124%	-27%	-29%	6 3 %
PALAKKAD	-9 9 %	-100%	269%	-71%	-12 %	-7 %	-47%	19 %	110%	-61%	-75%	5 2 %
PATHANAMTHITTA	5 6 %	-100%	326%	-46%	-12 %	-1 %	-62%	29 %	103%	19 %	82 %	4 8 %
THIRUVANANTHAPURAM	-7 4 %	-100%	140%	-54%	5 %	-6 %	-77%	-13%	67 %	-10%	4 3 %	1 4 1 %
THRISUR	-5 8 %	-100%	156%	-84%	-39 %	-5 %	-46%	-3 %	28 %	-37%	-18%	- 5 6 %
WYNAD	202%	-100%	184%	-27%	5 %	-51%	-62%	-27%	97 %	-44%	-60%	- 6 5 %
<b>LAKSHADWEEP(UT)</b>												
LAKSHADWEEP	2 %	-94%	749%	-96%	-15 %	58%	-43%	- 5 %	32%	-13%	-46%	1 7 2 %
<b>MADHYA PRADESH</b>												
AGAR-MALWA	-9 7 %	-100%	-100%	-100%	-9 9 %	13 %	4 %	-36%	20 %	-100%	-100%	- 9 4 %
ALIRAJPUR	-100%	-100%	-100%	-100%	-100%	27 %	32 %	-25%	-60%	-58%	-100%	2 1 3 %
ANUPPUR	-9 6 %	-49%	-90%	-100%	-9 0 %	-5 %	-39%	-8 %	-42%	-49%	-100%	-100%
ASHOKNAGAR	-7 6 %	-100%	108%	-100%	1817%	156%	-39%	-51%	6 9 %	-100%	-100%	-100%
BALAGHAT	-6 3 %	-82%	-94%	-100%	8 %	-43%	-39%	-42%	-16%	-12%	-100%	-100%
BARWANI	-100%	-100%	-100%	-100%	-100%	18 %	19 %	-21%	-20%	-64%	-100%	8 9 %
BETUL	-8 3 %	-31%	-94%	-100%	-100%	-11%	1 %	-55%	-9 %	4 5 %	-99%	-100%
BHIND	168%	-100%	-88%	-100%	132%	2 5 %	-17%	-66%	-30%	-100%	-100%	1 3 %
BHOPAL	-7 1 %	-60%	-85%	-100%	8 1 %	-8 %	-1 %	-65%	13 %	-100%	-100%	- 9 8 %
BURHANPUR	-2 7 %	-43%	-100%	-100%	-100%	-5 %	9 %	-19%	6 9 %	2 2 %	-100%	-100%
CHHATARPUR	-9 8 %	-89%	-83%	-100%	-100%	-11 %	-12%	4 %	-64%	-40%	-99%	-100%
CHHINDWARA	-4 9 %	-62%	-100%	-100%	161%	-11%	-13%	-29%	12 %	5 5 %	-52%	-100%
DAMOH	-8 8 %	-61%	-77%	-100%	1 3 %	12 %	-5 %	-81%	-18%	-97%	-100%	-100%
DATIA	195%	-100%	-79%	-100%	311%	6 2 %	-6 %	-67%	-42%	-100%	-100%	- 8 7 %
DEWAS	-9 1 %	-100%	-100%	-100%	-100%	-3 %	15 %	-22%	-40%	16 %	-84%	-100%

DISTRICTS	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
DHAR	-96%	-100%	-100%	-100%	-12%	11%	-11%	-15%	-18%	-64%	-100%	38%
DINDORI	-59%	-79%	-100%	-100%	-100%	-46%	-9%	-37%	-43%	49%	-100%	-100%
GUNA	-50%	8%	53%	-100%	-42%	45%	11%	-65%	-5%	-97%	-100%	-95%
GWALIOR	108%	-100%	-10%	-99%	131%	4%	-58%	6%	-52%	-100%	-100%	-34%
HARDA	-100%	-3%	-100%	-100%	-100%	-13%	-12%	-71%	-28%	-73%	-100%	-100%
HOSHANGABAD	-86%	5%	-100%	-100%	12%	-41%	14%	-37%	-40%	-65%	-100%	-100%
INDORE	-100%	-100%	-100%	-100%	-80%	18%	0%	-17%	-22%	-98%	-100%	-88%
JABALPUR	-55%	77%	-67%	-100%	188%	2%	3%	-50%	-30%	-69%	-100%	-100%
JHABUA	-100%	-100%	-100%	-100%	-94%	6%	77%	-41%	3%	-91%	-100%	2%
KATNI	-70%	-78%	-45%	-100%	182%	7%	89%	-54%	-37%	-94%	-100%	-100%
KHANDWA	-100%	-100%	-100%	-100%	-83%	19%	31%	-8%	4%	-6%	-100%	-100%
KHARGONE	-100%	-100%	-100%	-86%	-100%	-22%	20%	-13%	-15%	74%	-100%	-96%
MANDLA	-88%	-70%	-99%	-100%	73%	-9%	-14%	-57%	-7%	-61%	-100%	-100%
MANDSAUR	-90%	-100%	-100%	-100%	46%	10%	31%	-53%	-44%	-100%	-100%	-85%
MORENA	74%	-100%	25%	-100%	65%	31%	-30%	-51%	-47%	-100%	-100%	40%
NARSINGHPUR	-94%	28%	-97%	-100%	137%	0%	-16%	-65%	-14%	-33%	-100%	-100%
NEEMUCH	-70%	-100%	-82%	-100%	-100%	43%	46%	-30%	-23%	-100%	-100%	-52%
PANNA	-96%	-75%	-100%	-100%	157%	-55%	33%	-42%	-59%	-100%	-100%	-100%
RAISEN	-72%	6%	-86%	-100%	79%	41%	3%	-67%	-11%	-64%	-19%	-100%
RAJGARH	-100%	-90%	-91%	-100%	21%	21%	43%	-52%	-23%	-80%	-100%	-93%
RATLAM	-100%	-100%	-100%	-100%	-52%	10%	42%	7%	-31%	-96%	-100%	-71%
REWA	-74%	-70%	-100%	-100%	-33%	8%	80%	-61%	-67%	-100%	-100%	-100%
SAGAR	-96%	-5%	-89%	-100%	61%	17%	0%	-69%	11%	-66%	-100%	-100%
SATNA	-90%	-80%	-66%	-100%	-68%	-15%	38%	-60%	-63%	-88%	-100%	-100%
SEHORE	-81%	-76%	-100%	-100%	-27%	30%	-8%	-44%	-6%	-86%	-100%	-100%
SEONI	-65%	-49%	-100%	-100%	98%	8%	-8%	-48%	-10%	-45%	-98%	-100%
SHAHDOL	-74%	-63%	-54%	-100%	-87%	-17%	-47%	-1%	-64%	-21%	-100%	-100%
SHAJAPUR	-100%	-100%	-100%	-100%	-54%	54%	-21%	-71%	7%	-69%	-89%	-92%
SHEOPUR	-41%	-100%	147%	-100%	25%	-13%	-46%	-44%	-61%	-100%	-100%	18%
SHIVPURI	50%	-100%	-65%	-100%	-53%	24%	-48%	-66%	11%	-100%	-100%	-77%
SIDHI	-60%	-86%	-88%	-100%	-11%	-52%	36%	-54%	-71%	-84%	-100%	-100%
SINGRAULI	-42%	-42%	-4%	-100%	400%	-13%	41%	-54%	18%	-70%	-100%	-100%
TIKAMGARH	-93%	-58%	111%	-100%	-90%	79%	-24%	-68%	-25%	-100%	-100%	-100%
UJJAIN	-100%	-100%	-100%	400%	385%	-3%	17%	-30%	-9%	-85%	-100%	-46%
UMARIA	-61%	-53%	-79%	-100%	437%	-27%	5%	-66%	-68%	-87%	-100%	-100%
VIDISHA	-98%	-53%	-100%	-100%	90%	40%	-6%	-71%	18%	-70%	-100%	-100%
<b>MAHARASHTRA</b>												
AHMEDNAGAR	-100%	-100%	-100%	-100%	-59%	69%	-21%	145%	37%	51%	-98%	-96%
AKOLA	-100%	-99%	-99%	-100%	-100%	-12%	-26%	-24%	-23%	64%	-100%	-100%
AMRAOTI	-100%	-100%	-100%	-100%	-49%	-25%	-25%	-38%	-28%	11%	-85%	-100%
AURANGABAD	-100%	-100%	-100%	-100%	-92%	6%	-49%	0%	18%	78%	-99%	-98%
BEED	-100%	-100%	49%	-100%	-85%	32%	-44%	73%	-8%	57%	-100%	25%
BHANDARA	-96%	-100%	-43%	-100%	19%	-34%	-19%	-25%	-42%	-17%	-100%	-100%
BULDHANA	-94%	-100%	-80%	-100%	-100%	28%	-24%	-20%	47%	8%	-98%	-100%
CHANDRAPUR	-100%	-100%	61%	-100%	34%	-26%	-18%	-51%	-29%	-23%	-100%	-100%
DHULE	-100%	-100%	-100%	-100%	-100%	-8%	-20%	24%	0%	75%	-100%	191%
GADCHIROLI	-100%	-100%	10%	-100%	-72%	-35%	3%	-41%	-23%	-2%	-100%	-100%
GONDIA	-86%	-96%	-61%	-100%	117%	-38%	-20%	-43%	-54%	-17%	-100%	-100%
HINGOLI	-100%	-100%	-100%	-100%	-79%	25%	-59%	-14%	-62%	8%	-100%	-100%
JALGAON	-100%	-100%	-100%	-100%	73%	-10%	-17%	-23%	-1%	-3%	-67%	-99%
JALNA	-100%	-100%	-100%	-100%	-84%	11%	-63%	25%	18%	62%	-100%	-100%



DISTRICTS	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
DIMAPUR	-98%	-91%	59%	190%	-26%	69%	151%	81%	55%	3%	-62%	94%
KEPHIRE	-100%	-100%	32%	-32%	-81%	-39%	-63%	-62%				
KOHIMA	-87%	-98%	78%	42%	25%	0%	30%	-36%	27%	37%	-83%	423%
LONGLENG												
MOKOKCHUNG												
MON	-85%		139%	34%	47%	13%	55%	149%	215%		-60%	
PAREN												
PHEK	-55%	-97%	49%	23%	-52%	-19%	-57%	-29%	-30%	44%	-69%	
TUENSANG												
WOKHA	-100%	-95%	-3%	57%	-39%	-54%	-72%	-93%	-81%			
ZUNHEBOTO												
<b>ODISHA</b>												
ANGUL	-2%	-100%	-17%	-96%	-22%	-4%	-32%	-44%	-30%	29%	22%	-100%
BALASORE	-99%	-100%	199%	-52%	49%	-43%	22%	-26%	-25%	32%	30%	5%
BARGARH	-44%	-100%	-42%	-100%	-30%	32%	-30%	-33%	-46%	17%	-82%	-100%
BHADRAK	-100%	-100%	17%	-86%	-64%	-23%	0%	-35%	-38%	58%	55%	249%
BOLANGIR	-95%	-100%	-84%	-95%	-83%	-9%	-38%	-40%	-36%	1%	-92%	-100%
BOUDHGARH	-100%	-100%	-87%	-100%	-98%	53%	-12%	-49%	-12%	33%	-53%	-100%
CUTTACK	-100%	-100%	59%	-98%	-82%	-45%	21%	-11%	4%	76%	45%	350%
DEOGARH	-97%	-100%	120%	-98%	87%	22%	7%	-18%	-11%	-6%	39%	-100%
DHENKANAL	-99%	-100%	-6%	-81%	-1%	-35%	-33%	-33%	-7%	44%	89%	-100%
GAJAPATI	-100%	-100%	19%	-59%	-6%	4%	12%	14%	-35%	40%	21%	-100%
GANJAM	-100%	-100%	113%	-23%	-38%	41%	32%	3%	-12%	-3%	1%	-89%
JAGATSINGHPUR	-100%	-100%	20%	-99%	-84%	-37%	26%	12%	-18%	117%	114%	815%
JAJPUR	-100%	-100%	83%	-94%	-8%	-25%	-20%	-24%	-53%	99%	136%	149%
JHARSUGUDA	-35%	-100%	-68%	-89%	74%	-7%	3%	-28%	-1%	42%	-99%	-100%
KALAHANDI	-100%	-100%	44%	-92%	-52%	-19%	27%	-6%	-20%	65%	-93%	-100%
KANDHAMAL	-100%	-100%	-16%	-96%	-43%	11%	-39%	-32%	-9%	78%	4%	-100%
KENDRAPARA	-100%	-100%	111%	-96%	-64%	-29%	25%	2%	-42%	36%	84%	673%
KEONJHARGARH	-89%	-100%	-1%	-70%	31%	-21%	26%	-17%	-16%	58%	1%	-98%
KHURDA	-67%	-100%	50%	-63%	-72%	-17%	9%	-28%	-8%	43%	40%	129%
KORAPUT	-100%	-100%	-46%	-71%	-21%	12%	9%	-3%	-29%	57%	-74%	-100%
MALKANGIRI	-100%	-100%	-38%	-77%	-47%	42%	18%	60%	76%	3%	-100%	-100%
MAYURBHANJ	-87%	-100%	4%	-66%	19%	-38%	15%	-16%	-35%	85%	66%	-87%
NAWAPARA	-100%	-100%	-100%	-100%	-96%	6%	-54%	-11%	18%	89%	-100%	-100%
NAWARANGPUR	-100%	-100%	-28%	-72%	-51%	2%	2%	-2%	-27%	-2%	-88%	-100%
NAYAGARH	-100%	-100%	113%	-77%	-46%	-40%	3%	-26%	-24%	15%	11%	-42%
PURI	-100%	-100%	17%	-56%	-81%	4%	31%	-6%	-22%	73%	90%	728%
RAYAGADA	-100%	-100%	3%	-91%	-29%	29%	19%	11%	-9%	75%	13%	-100%
SAMBALPUR	28%	-100%	-22%	-95%	27%	36%	-2%	-42%	-30%	-5%	-6%	-100%
SONEPUR	-100%	-100%	-89%	-100%	-82%	48%	-17%	-56%	-38%	118%	-47%	-100%
SUNDARGARH	-90%	-100%	-92%	-79%	35%	4%	42%	-28%	-19%	33%	-63%	-100%
<b>PONDICHERRY (UT)</b>												
KARAikal	238%	-100%	988%	-100%	-41%	6%	-62%	-24%	-1%	-10%	42%	-8%
PUDUCHERRY	492%	-100%	-50%	-100%	-96%	28%	60%	51%	-33%	-3%	19%	-20%
<b>PUNJAB</b>												
AMRITSAR	42%	-95%	-51%	10%	57%	222%	-11%	-42%	-77%	-100%	-82%	-16%
BARNALA	43%		-10%	-13%	-100%	468%	-88%	-64%	-40%	-100%	156%	-16%
BHATINDA	0%	-100%	-79%	22%	-86%	323%	-70%	-12%	-44%	-100%	381%	42%
FARIDKOT	-16%		-100%	267%	-100%	267%	-76%	-88%	54%	-100%	87%	144%
FATEHGHAR SAHIB	205%	-100%	-20%	-53%	-36%	46%	-39%	-63%	44%	-100%	-100%	-63%

DISTRICTS	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
FEROZEPUR	-42%	-99%	-73%	-29%	-83%	-13%	-90%	-94%	-82%	-100%	-44%	-23%
GURDASPUR	75%	-80%	-38%	-13%	7%	143%	-5%	34%	6%	-100%	-91%	205%
HOSHIARPUR	33%	-66%	-77%	-43%	-28%	4%	-44%	-46%	-65%	-100%	-91%	12%
JALANDHAR	8%	-88%	-28%	29%	27%	80%	-63%	-14%	-83%	-100%	-16%	-2%
KAPURTHALA	-2%	-95%	-11%	-25%	220%	397%	22%	42%	-68%	-100%	127%	49%
LUDHIANA	48%	-88%	1%	-12%	-27%	109%	-55%	-14%	9%	-100%	27%	21%
MANSA	114%		-100%	-86%	-100%	185%	-52%	-54%	-64%	-100%	383%	-22%
MOGA	-23%	-100%	-40%	-4%	-100%	393%	-64%	-7%	122%	-100%	455%	-23%
MUKTSAR	-68%	-100%	-32%	-11%	-88%	476%	-87%	-69%	-4%	-100%	117%	46%
NAWANSHAHAR	138%	-96%	-24%	28%	192%	43%	-20%	2%	19%	-100%	-75%	14%
PATIALA	119%	-96%	-3%	45%	-79%	60%	-66%	-29%	4%	-100%	-94%	-5%
ROPAR	206%	-87%	-54%	77%	25%	115%	-43%	40%	22%	-100%	-100%	56%
SANGRUR	124%	-85%	-12%	-17%	-52%	71%	-72%	-63%	-61%	-100%	-9%	-14%
SAS NAGAR (MOHALI)	262%	-100%	-36%	-6%	-96%	60%	-68%	-15%	5%	-100%	-100%	9%
TARN TARAN	183%	-73%	-84%	-66%	21%	206%	-60%	-59%	-100%	-100%	11%	116%
<b>RAJASTHAN</b>												
AJMER	129%	-100%	319%	-80%	283%	196%	11%	-10%	-53%	-100%	-100%	14%
ALWAR	137%	-100%	59%	-89%	85%	56%	-50%	-52%	-69%	-100%	-100%	-45%
BANSWARA	-100%	-100%	-100%	-100%	41%	2%	63%	-26%	-27%	-100%	-100%	92%
BARAN	-63%	-100%	132%	-100%	-52%	-26%	-22%	-50%	-20%	-100%	-77%	16%
BARMER	118%	-100%	-97%	-44%	29%	132%	296%	-60%	-59%	-100%	-100%	218%
BHARATPUR	131%	-100%	62%	-100%	49%	76%	-35%	-60%	-62%	-100%	-100%	-72%
BHILWARA	9%	-100%	379%	-100%	103%	65%	24%	-30%	-53%	-100%	-100%	-100%
BIKANER	-96%	-81%	-99%	64%	74%	199%	-45%	-44%	-7%	-100%	-48%	38%
BUNDI	-17%	-100%	233%	-100%	79%	48%	-43%	-20%	-75%	-100%	-100%	108%
CHITTORGARH	4%	-100%	153%	34%	39%	13%	68%	-50%	-55%	-100%	-100%	184%
CHURU	234%	-100%	-93%	-24%	180%	106%	-16%	-34%	-41%	-100%	77%	2%
DAUSA	68%	-100%	138%	-100%	87%	58%	-59%	-52%	-62%	-100%	-100%	-7%
DHOLPUR	67%	-100%	155%	-67%	-19%	-14%	-50%	-45%	-61%	-100%	-100%	-84%
DUNGARPUR	-100%	-100%	-100%	-100%	-93%	3%	90%	2%	-23%	-100%	-100%	135%
HANUMANGARH	-7%	-100%	-100%	-50%	40%	165%	-49%	-58%	11%	-100%	-100%	34%
JAIPUR	212%	-100%	106%	-91%	-24%	72%	-39%	-48%	-63%	-100%	-100%	79%
JAISALMER	82%	-100%	364%	23%	301%	131%	170%	-64%	-97%	-100%	-100%	154%
JALORE	167%	-100%	-100%	-100%	67%	142%	370%	-71%	-79%	-100%	-100%	-68%
JHALAWAR	-71%	-100%	-71%	-100%	41%	24%	51%	-52%	-32%	-100%	-100%	-55%
JHUNJHUNU	86%	-100%	-96%	44%	27%	65%	-38%	-64%	-69%	-100%	29%	-39%
JODHPUR	220%	-100%	488%	-17%	306%	285%	110%	-55%	-53%	-100%	-100%	-60%
KARAULI	59%	-100%	-100%	-100%	36%	65%	-52%	-61%	-73%	-100%	-100%	-100%
KOTA	-94%	-100%	55%	-100%	-78%	13%	-38%	-34%	-73%	-100%	-100%	-39%
NAGAUR	249%	-100%	-15%	-100%	59%	203%	1%	-49%	-28%	-100%	-100%	-86%
PALI	8%	-100%	-100%	-100%	243%	224%	197%	-27%	-86%	-100%	-100%	-50%
PRATAPGARH	-78%	-100%	-100%	-100%	166%	-11%	121%	5%	-62%	-100%	-100%	187%
RAJSAMAND	-100%	-100%	-98%	-100%	-86%	69%	139%	-26%	-29%	-100%	-100%	-77%
SAWAI MADHOPUR	68%	-100%	73%	-61%	-21%	70%	-43%	-52%	-67%	-100%	-89%	209%
SIKAR	-80%	-100%	-38%	-100%	34%	80%	-32%	-49%	-48%	-100%	-54%	-66%
SIROHI	-100%	-100%	-68%	-100%	23%	24%	372%	-67%	-63%	-100%	-100%	97%
SRI GANGANAGAR	-40%	-74%	-99%	-38%	-8%	82%	-52%	-73%	43%	-100%	-7%	-23%
TONK	171%	-100%	134%	-44%	101%	85%	-30%	-31%	-82%	-100%	-100%	65%
UDAIPUR	-5%	-100%	-94%	-100%	35%	32%	138%	-23%	-40%	-100%	-100%	-73%
<b>SIKKIM</b>												
EAST SIKKIM	-77%	-84%	82%	52%	8%	-31%	-5%	-9%	-23%	-46%	-65%	-100%







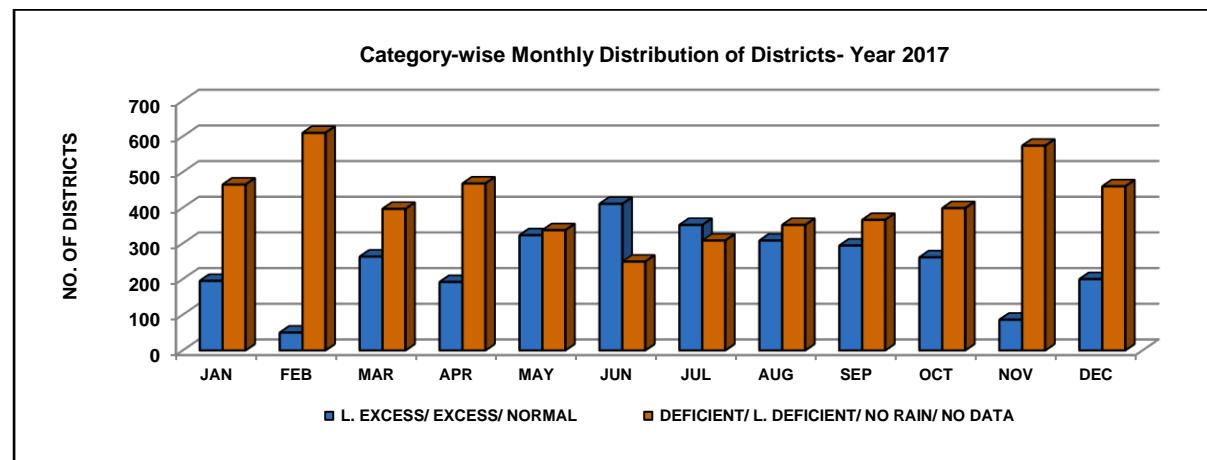
DISTRICTS	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
NORTH 24 PARGANAS	-100%	-100%	46%	-90%	-23%	-5%	58%	-15%	-15%	120%	79%	406%
NORTH DINAJPUR	-84%	-100%	344%	302%	-26%	-46%	8%	97%	-68%	184%	-100%	-100%
PURULIA	-99%	-100%	-45%	21%	101%	-16%	90%	-19%	-26%	97%	-36%	-86%
SOUTH 24 PARGANAS	-100%	-99%	84%	-35%	-66%	-53%	17%	-34%	-42%	42%	-57%	156%
SOUTH DINAJPUR	-83%	-100%	115%	55%	-59%	-48%	-56%	110%	-52%	-33%	-100%	-100%
WEST MIDNAPORE	-59%	-100%	13%	-69%	1%	-16%	25%	-1%	-27%	91%	80%	75%

### Categorywise monthly distribution of number of Districts:

The statistics and chart for categorywise distribution of districts for different months have been given at Table 28 and Figure 110 respectively.

**Table 28: Category-wise Number of Districts - Monthly - Year 2017**

CATEGORY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
L. EXCESS	124	17	136	81	118	126	71	69	73	83	24	110
EXCESS	32	11	47	54	84	98	91	60	79	83	26	37
NORMAL	39	22	80	57	121	187	190	179	142	95	36	53
DEFICIENT	57	32	108	68	144	170	203	252	226	71	63	65
L. DEFICIENT	152	120	118	130	111	54	77	73	110	93	156	101
NO RAIN	224	425	141	241	55	0	0	0	1	201	318	257
NO DATA	32	33	30	29	27	25	28	27	29	34	37	37



**Figure 110: Monthly Distribution of no. of Districts in different categories – 2017**

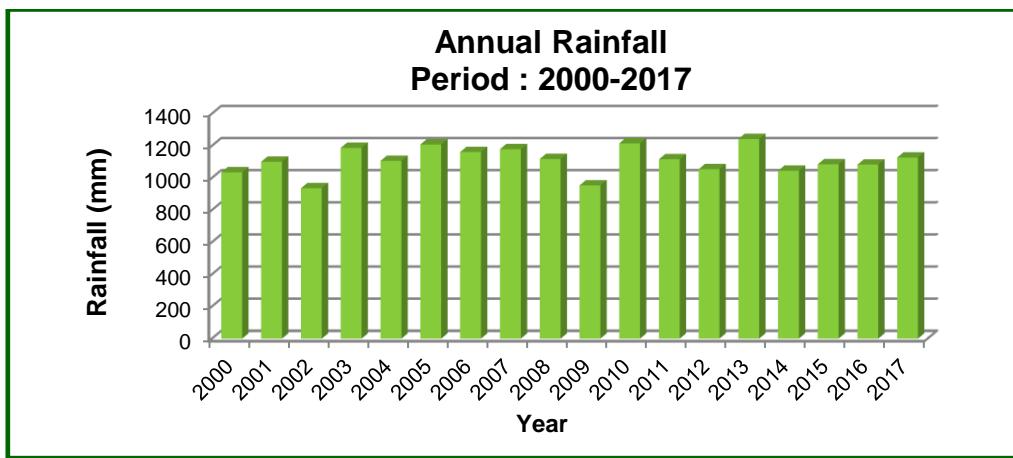
### ANNUAL AND SW MONSOON RAINFALL FROM 2000 TO 2017

The annual and SW Monsoon rainfall and their departure from normal rainfall from the years 2000 to 2017 are shown in Table 29 and Figure 111 through Figure 114. During last 18 years, the country received annual rainfall of 5% or less of its normal rainfall. It was with positive departure only during 4 years and in rest of the years, it was with negative departure. During the years 2000, 2002, 2009, 2012 and 2014, the rainfall departure were more than 10% towards negative side. The maximum negative departure was 21% in the year 2002. Almost similar situation was observed during SW

Monsoon season where in the negative departure of more than 10% were observed during the years 2000, 2002, 2009, 2014 and 2015. The % departure was -5% in the SW monsoon, 2017.

**Table 29: SW Monsoon and Annual Rainfall (2000-2017)**

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%



**Figure 111: Annual Rainfall 2000-2017**

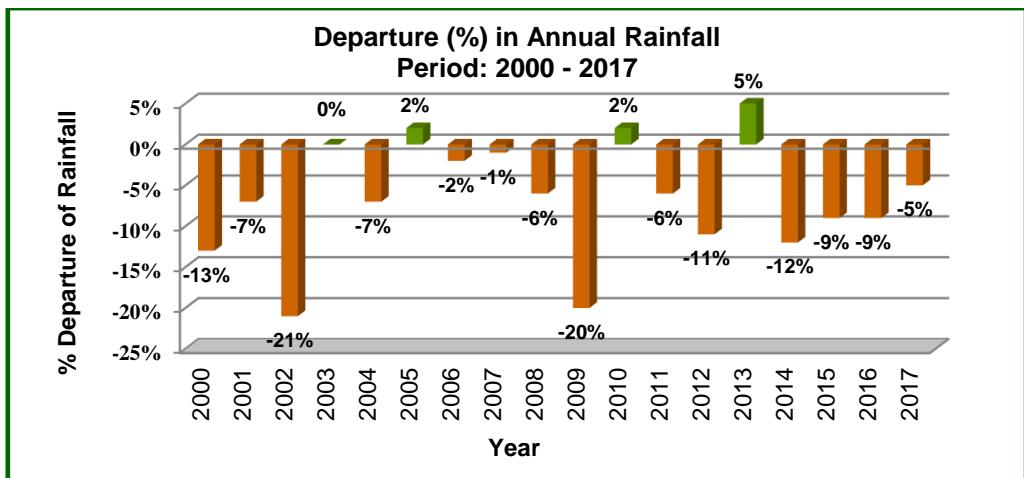


Figure 112: % Departure of Annual Rainfall 2000 – 2017

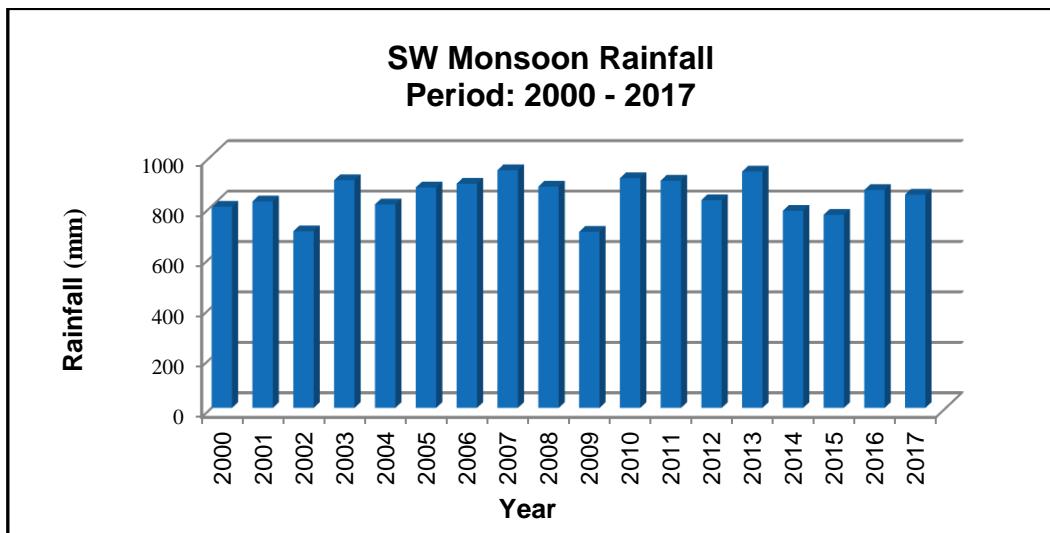


Figure 113: SW Monsoon Rainfall 2000-2017

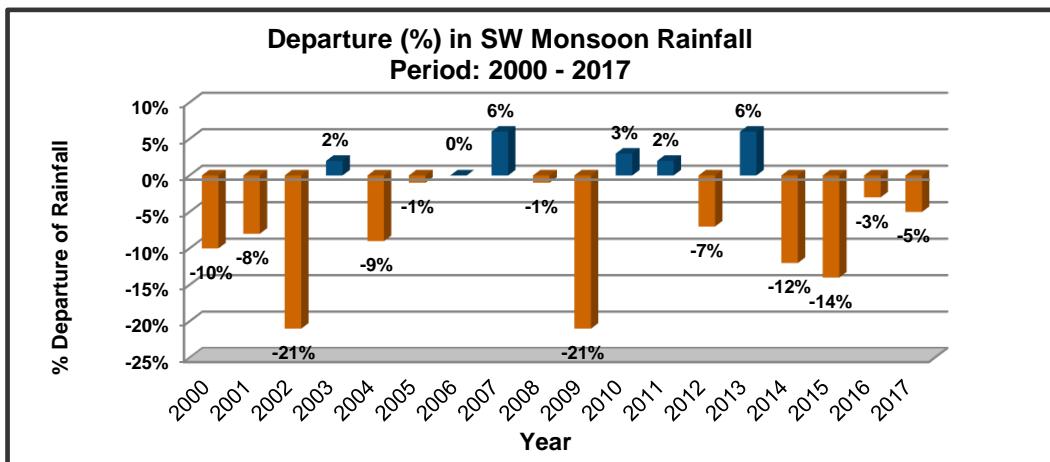


Figure 114: % Departure of SW Monsoon Rainfall 2000 - 2017

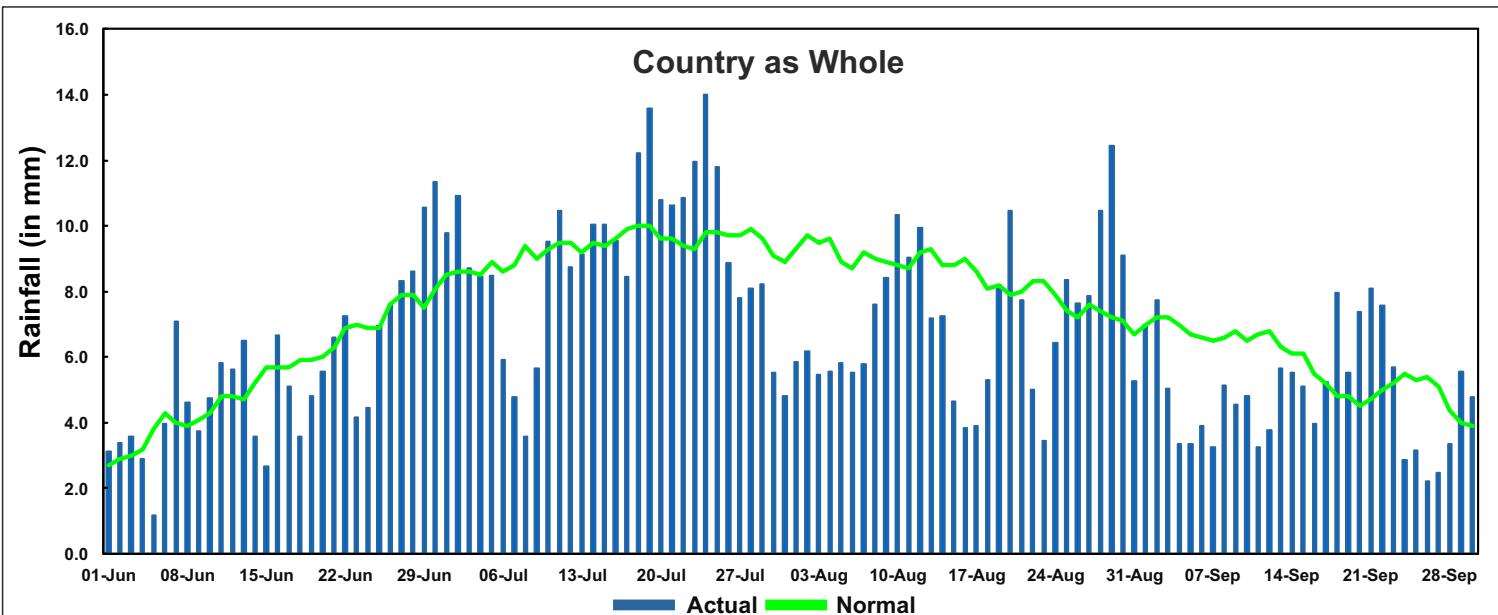
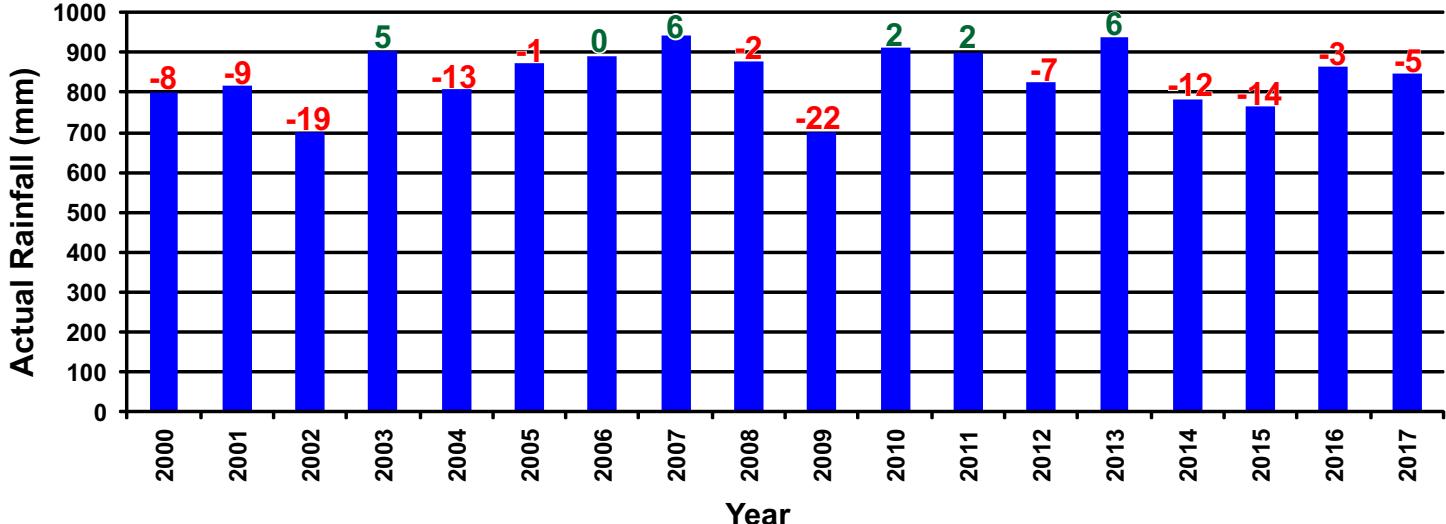
## SALIENT FEATURES OF RAINFALL DURING 2017

1. The country received actual annual rainfall of 1127 mm which was 95% of its long period average (LPA) rainfall.
2. The country received actual SW Monsoon season (June to September) rainfall of 845.9 mm which was also 95% of its long period average (LPA) rainfall.
3. The rainfall for the country as whole during Pre-monsoon, Post-monsoon and Winter season was 129.5 mm, 112.4 mm & 39.4 mm which was 98%, 88% & 95% of LPA respectively.
4. The seasonal rainfall for the country as a whole was less than the normal value in all the four seasons.
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 554.1 mm, 919.5 mm, 718.8 mm, 1409.0 mm which was 90%, 94%, 100%, 98% of LPA respectively.
  - b. **Month Wise:** The actual rainfall for the country as a whole during June, July, August & September was 172.5 mm, 290.5 mm, 229.6 mm, 153.3 mm which was 95%, 100%, 88% and 88% of LPA respectively.
  - c. **Met Sub Division Wise:**
    - i. Out of 36 met sub divisions, 5 met sub divisions received Excess rainfall, 25 met sub divisions received Normal rainfall and 6 met sub divisions received Deficient rainfall.
    - ii. Based on met sub division wise rainfall, 18% area received Excess rainfall, 65% area received Normal rainfall and 17% area received deficient rainfall.
  - d. **District Wise:** Out of 631 districts for which rainfall statistics was prepared, 25 districts received Large Excess rainfall, 78 districts received Excess rainfall, 319 districts received Normal category of rainfall, 202 districts received Deficient rainfall, 7 districts received Large Deficient rainfall.

6. The rainfall deficiency for the country as a whole was maximum (12%) during Post-Monsoon season.
7. Annual and seasonal rainfall was less than the normal value for all the four homogeneous region and country as a whole except North West India in Winter season, East & North East India in Pre-Monsoon & Post-Monsoon season and south Peninsula in SW Monsoon season, in which rainfall was equal to or greater than the normal value.
8. In the four meteorological homogeneous regions, highest positive departure of 33% was experienced in North West India during winter season, whereas highest negative departure of 82% was observed in Central India during winter season.
9. Month wise, maximum positive departure of 107% was recorded in North West India in the month of January, whereas the maximum negative departure of 98% was recorded in the month of October in NW India.
10. Met sub-division-wise Annual and Seasonal rainfall distribution:
  - a. **Annual:** Konkan & Goa received highest rainfall of 3443.4 mm and West Rajasthan received lowest annual rainfall of 408.3 mm.
  - b. **SW Monsoon season:**
    - i. Konkan & Goa received highest rainfall of 3213.8 mm and Haryana, Chandigarh & Delhi received lowest rainfall of 359.4 mm.
    - ii. West Uttar Pradesh recorded highest deficiency of 30% whereas highest positive departure of 39% was recorded in West Rajasthan.
11. Annually, the District of East Khasi Hills in Meghalaya received the highest rainfall of 7679.8 mm whereas the District Ferozepur in Punjab received the lowest rainfall of 94.2 mm.



**Southwest Monsoon Rainfall  
Period 2000 - 2017**



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