

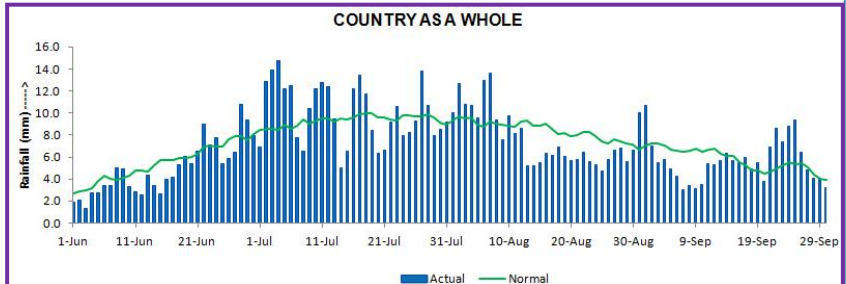
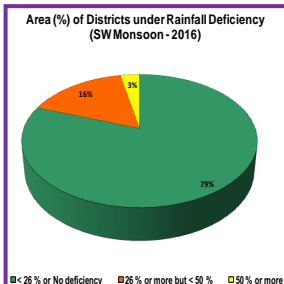
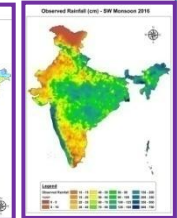
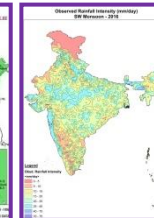
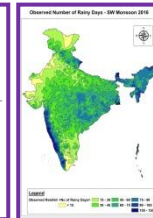
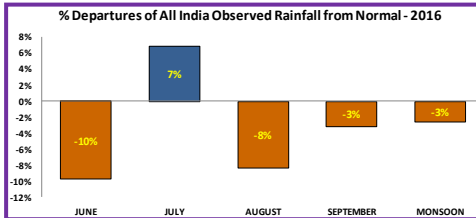
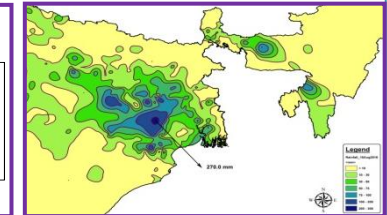
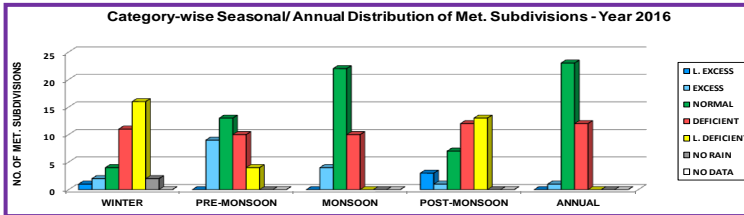
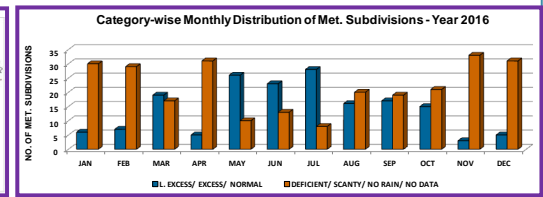
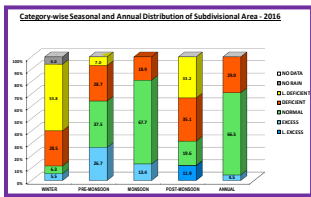


भारत के वर्षा आंकड़े

Rainfall Statistics of India - 2016

by

एम. के. पुरोहित एवं डॉ. (श्रीमती) सुरिंदर कौर
M. K. Purohit and Dr. (Mrs.) Surinder Kaur





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Foreword

Rainfall is the primary source of water and is of great importance for India's Economy, specially its agriculture industry. It is highly variable over space and time, leads to flood and drought every year on 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. Keeping in view the usefulness of rainfall statistics, the publication of rainfall statistics on annual basis was started 2012 onwards

It gives me great pleasure to present the '**Rainfall Statistics of India – 2016**' 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 and prepares the rainfall statistics, both in tabular as well as in 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, like on weekly, monthly, seasonal and annual basis. Besides this, the hydromet division of IMD also monitors the sub-divisional rainfall on daily basis during the monsoon season. Although, the current real-time rainfall products are uploaded on IMD website, the updated statistics is in most demand by various users. Hope, this publication containing updated rainfall statistics for the year 2016 would be useful for the users. Based upon the feed back from users, new information like rainfall analysis of prominent heavy rainfall events and rainfall intensity maps were added to the publication last year. This year, graphical and tabular products providing information on number of heavy rainfall events in various categories of rainfall also have been added in the publication. Besides, salient features of rainfall patterns during the year have also been given to facilitate the user to have a quick glance of distinguishable rainfall features.

We are thankful to Shri Rameshwar Ram, Shri Manvir Singh and Shri Ashok Kumar of Rainfall Monitoring unit of Hydromet Division, New Delhi for their whole hearted contribution in bringing out this publication.

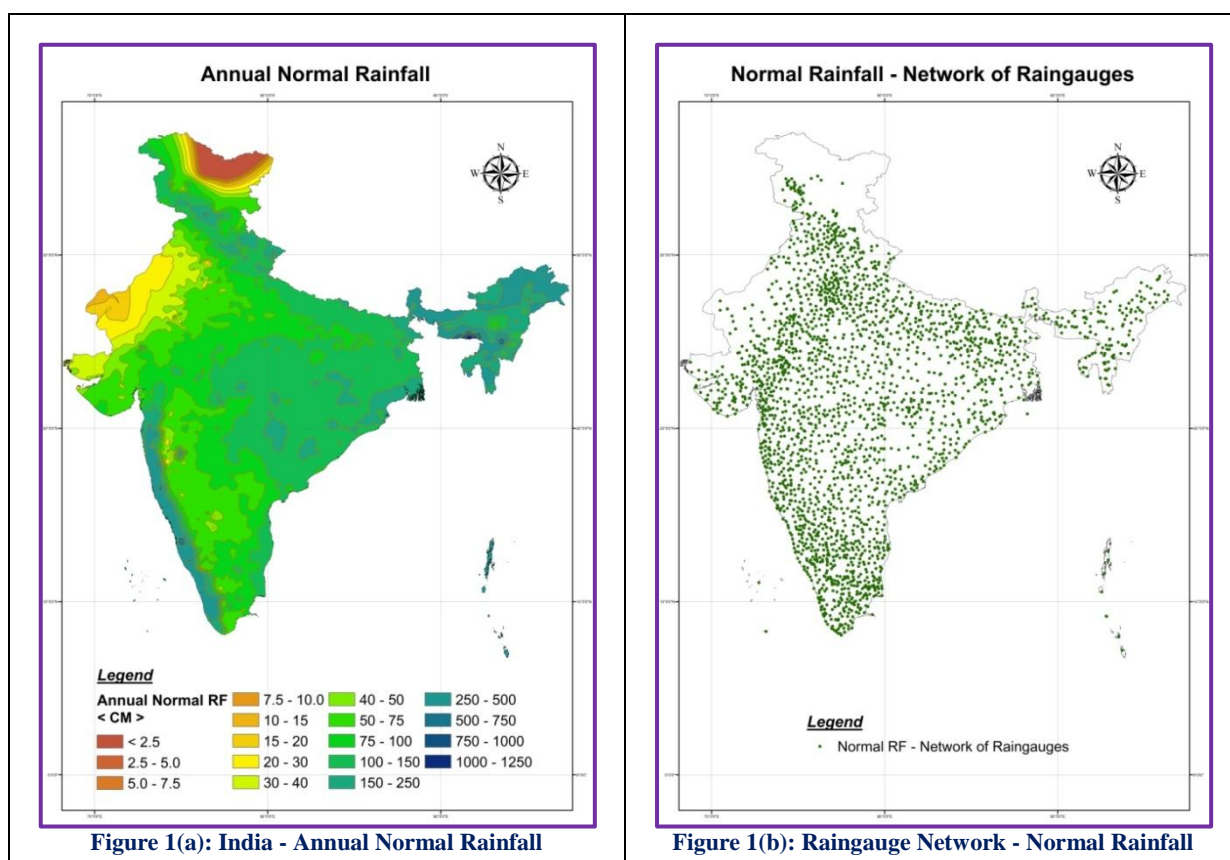
M. K. Purohit
Dr. (Mrs.) Surinder Kaur

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INTRODUCTION







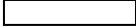
Rainfall is highly variable in time and space. Over 75% of the annual rainfall is received in the four rainy months of June to September only thereby leading to large variations on temporal scale. The average annual rainfall is 119 cm, but it has great spatial variations. The areas on the Western Ghats 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 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 Meteorological Subdivisions, all States and UTs and 641 Districts of India. The statistics is provided on monthly, 4 seasons i.e. Winter (Jan-Feb), Pre-Monsoon (Mar-May), Monsoon (may be referred as South West 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 departures of rainfall from Rainfall Normals, besides these

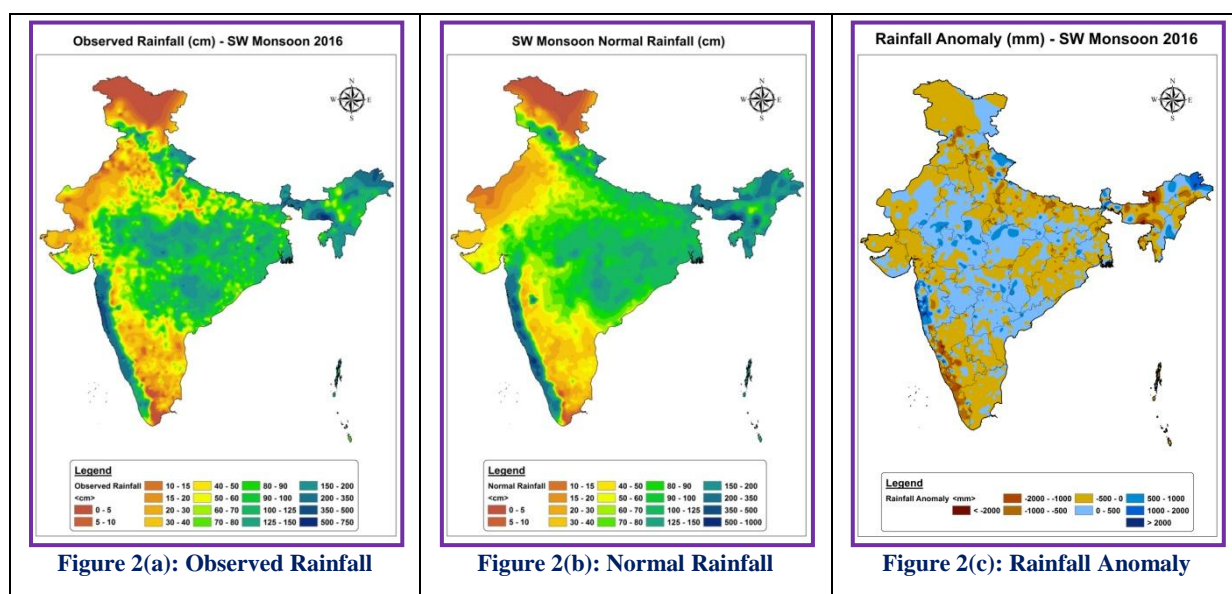
statistics, have been color coded as per their categories. Following is the list of categories, their corresponding ranges and color codes.

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

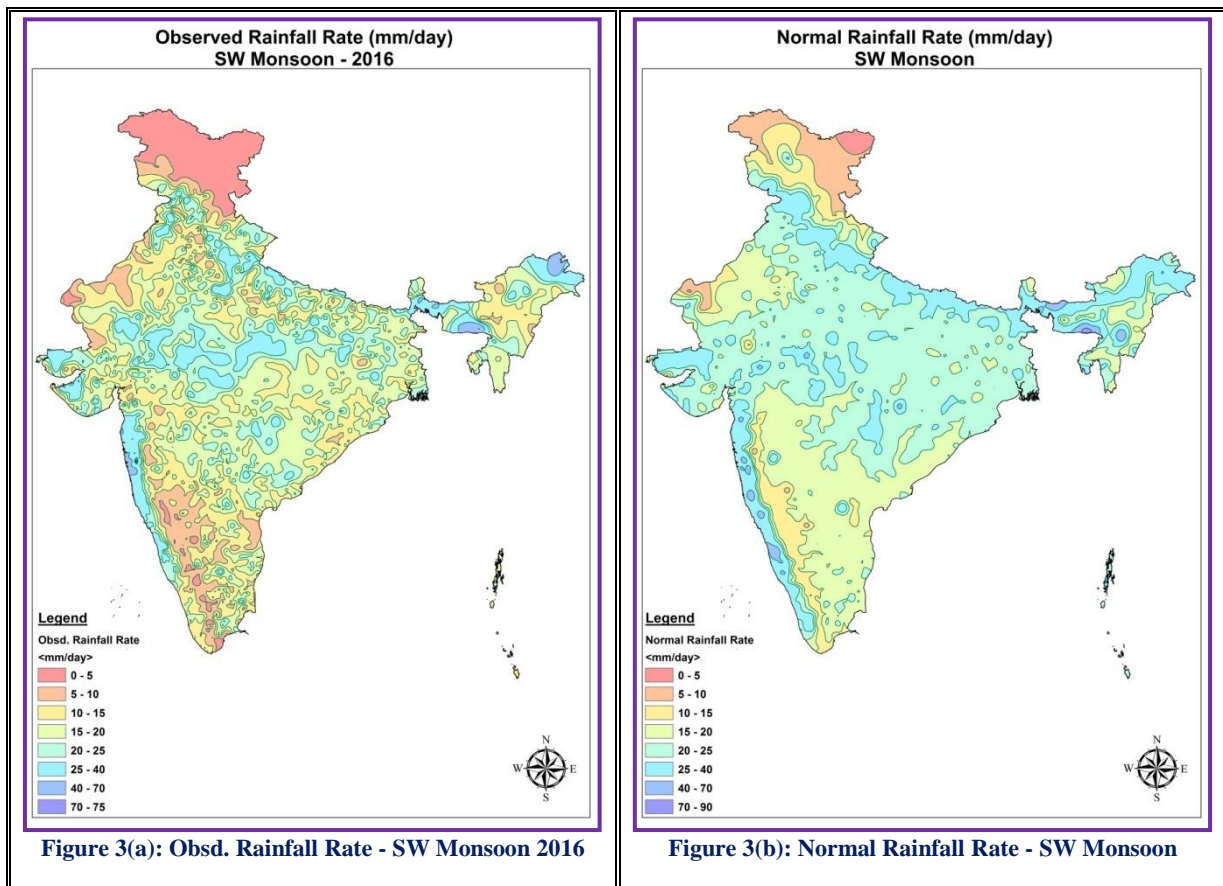
SALIENT FEATURES OF RAINFALL 2016

1. The country received annual rainfall of 91% of its normal rainfall of 118.7 cm and, during SW monsoon season, 97% of its normal rainfall of 89 cm. During SW monsoon season, country experienced deficiency in rainfall as compared to its normal rainfall during the months of June (10%), August (8%) and September (3%). However, in July, it was 7% more than its normal rainfall.
2. The country was at maximum deficiency in rainfall of 57% during winter season. It did not receive rainfall more than or equal to normal in any season.
3. All the four meteorologically homogeneous regions received less than their normal rainfall during monsoon season and also annually, except for Central India, which received 6% and 3% more than its normal rainfall during monsoon season and for the year respectively.
4. All the four meteorologically homogeneous regions and the country received less rains than their normal rainfall during winter season and post monsoon season. In Pre-monsoon season also, only NW India and E & NE India received rainfall more than their normals and remained respectively at 2% and 6% excess in rainfall from their normals.
5. In the four meteorologically homogeneous regions, highest positive departure of 6% was experienced in Central India during monsoon season and E & NE India during pre-monsoon season, where as highest negative departure of 74% was observed in NW India during post-monsoon season.
6. The country received maximum rainfall in the month of July as 309.2 mm and minimum in the month of November as 7.7 mm. However, on comparing with normals, it is observed that the maximum positive departure is of 9% from its normal rainfall in the month of May where as the maximum negative departure of rainfall was of 74% in the month of November.
7. Regionwise monthly rainfall - maximum positive departure of 25% was recorded in South Peninsula in the month of May and June, where as the maximum negative departure was of 100% in the month of November in NW India. However, the highest rainfall of 431.3 mm was recorded in the month of July in E & NE India and the least rainfall recorded was 0.0 mm in the month of November in NW India.
8. Subdivisionwise Seasonal & Annual rainfall – During the year 2016, Konkan & Goa received highest rainfall of 3663.9 mm and West Rajasthan received lowest rainfall of 347.0 mm. During the monsoon season, Konkan & Goa received highest rainfall of 3551.0 mm and Tamilnadu & Pondicherry received lowest rainfall of 253.9 mm. During South-West Monsoon season, none of the 36 meteorological subdivisions recorded the rainfall that is less than 50% of its normal, with highest deficiency in rainfall of 34% in Kerala.

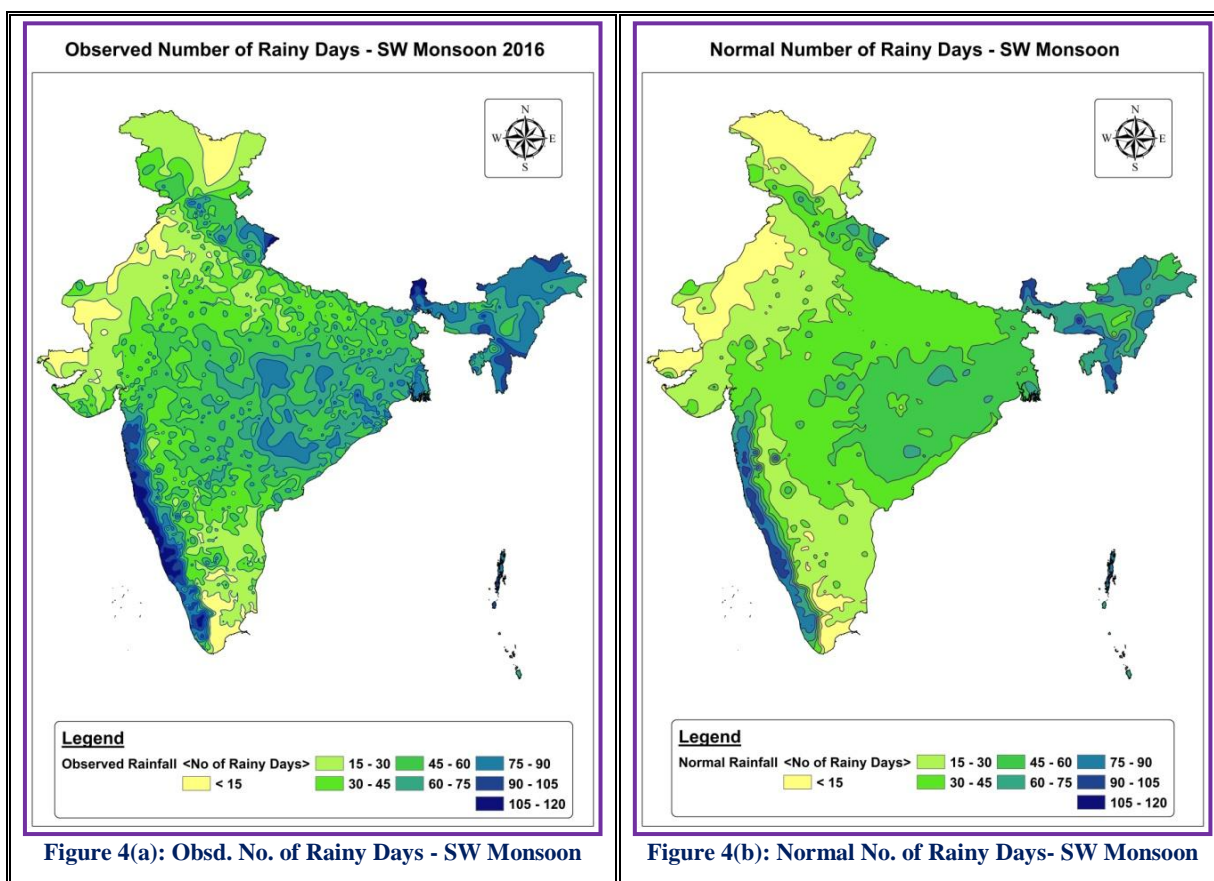
9. Annually, the District of East Khasi Hills in Meghalaya received the highest rainfall of 6526.2 mm where as the District Ladakh (Leh) in Jammu & Kashmir received the lowest rainfall of 20.8 mm.
10. Rainfall deficiency of 50% or more was experienced in 3% area of the districts of India. 16% area of districts was under rainfall deficiency between 25% and 50% where as 79% area of the districts of India was with less than or equal to 25% rainfall deficiency or without any deficiency in rainfall. Data of 2% area of districts of India was not available.
11. During the South-West Monsoon season, rainfall deficiency of 75% or more was experienced in 2 districts, namely, Laul & Spiti in Himachal Pradesh and Toothukudi in Tamilnadu. 27 districts of India out of 625 districts whose data was received during SW monsoon season, recorded deficiency in rainfall of 50% or more but less than 75%.
12. Mawsynram which lies in the heaviest rainfall region recorded the heaviest one day rainfall of 549.2 mm on 19th Jul 2016, where as least of the one day heaviest rainfall of 57.9 mm in a met. subdivision was recorded at Amini station in Lakshdweep. However, even in the months of highest 1-day rainfall, as many as 15 met.-subdivisions as a whole remained in Deficient/ Large Deficient rainfall category.
13. The spatial distribution of observed rainfall, normal rainfall and rainfall anomalies in SW Monsoon 2016 have been depicted in Figure 2(a), Figure 2(b) and Figure 2(c) respectively. High positive rainfall anomalies are observed in Konkan & Goa and North-East region of Arunachal Pradesh. Negative rainfall anomalies are observed over some parts of Himachal Pradesh, Uttarakhand, Uttar Pradesh, Western parts of Arunachal Pradesh, Kerala and over some parts of Madhya Maharashtra, Coastal Karnataka and South Interior Karnataka.



14. The maps depicting rainfall rate per day for observed rainfall in SW Monsoon season 2016 and the normal rainfall for SW monsoon season are shown in Figure 3(a) and Figure 3(b) respectively. For computation of rainfall rate, the days that recorded any amount of rainfall have been considered as Rainy Days. It may be observed from the figures that during SW monsoon 2016, lower Western Ghats did not experience the rains, as intense as normally it occurs. Similarly, rainfall intensity in plains of Eastern India and Western J & K was also less as compared to the normal rainfall intensity in that area.
15. The maps depicting number of rainy days for SW Monsoon season 2016 and normal number of rainy days for SW monsoon season are shown in Figure 4(a) and Figure 4(b) respectively. It can be seen that the number of rainy days during monsoon 2016, are more in comparison to normal number of rainy days in the region of Odisha and its neighbourhood which is the passage of monsoon Lows/ Depressions and in the West coast of India.



16. It may be observed from [Table 7](#) that during Monsoon 2016, maximum number of average Extreme Heavy Rainfall events (≥ 21 cm per day) occurred in E & NE India, followed by Central India, NW India and South Peninsular India. The maximum number of average Very Heavy rainfall events (12 to 20 cm per day) occurred in Central India followed by E & NE India, NW India and South Peninsular India. The maximum number of average Heavy rainfall events (7 to 11 cm per day) occurred in E & NE India followed by Central India, South Peninsular India and NW India.
17. The temporal distribution of SW monsoon rainfall of the country at [Figure 16](#) shows that the rainfall was good throughout the season but there were two long deficient rainfall spells of more than 10 days.
18. It can be seen from temporal distribution of rainfall ([Figure 42](#) to [Figure 77](#)) that the Subdivisions of NW India experienced dry spells of rainfall starting from 3/4 September and till the end of September except for one or two days. The subdivisions of East and West M.P. experienced the extensive dry spells of rainfall during first two weeks of September. The subdivisions Madhya Maharashtra, Marathwada and Vidarbha experienced dry spells of rainfall from 2nd week of August to 2nd week of September except for a short spell of rainfall near the end of August. The subdivisions of Coastal Andhra Pradesh, Telangana, Rayalseema and Tamilnadu & Puducherry experienced dry spells of rainfall during the month of August, predominantly in the 2nd and 3rd weeks of the month. Kerala received less rainfall during the whole month of September, except for 15th and 16th.



SEASONAL & ANNUAL RAINFALL STATISTICS FOR THE COUNTRY & BROAD REGIONS

The country received annual rainfall of 91% of its normal rainfall of 118.7 cm and during SW monsoon season, 97% of its normal rainfall of 89 cm. The region-wise and the country's seasonal and annual actual observed rainfall are given at **Table 1**, and the percentage departures from normal rainfall are given at **Table 2**. It may be observed that South Peninsula as well as the country as a whole received less than its normal rainfall during all the seasons and also annually. Seasonally, all the regions and the country received less than its normal rainfall during all the seasons except that the NW India and E & NE India during Pre-Monsoon season and Central India during Monsoon season received slightly more rainfall than their normals. Annually, except for Central India, all the regions remained with deficient rainfall. The country was at maximum deficiency in rainfall of 22% during Post Monsoon season. Regionally, highest positive departure of 6% was observed in Central India and E & NE India during Monsoon and Pre-Monsoon seasons respectively.

Table 1: Region-wise seasonal and annual rainfall (mm) - Year 2016

REGIONS	WINTER	PRE-MONSOON	MONSOON	POST-MONSOON	ANNUAL
COUNTRY AS A WHOLE	17.9	130.3	864.4	70.6	1083.2
NORTH WEST INDIA	24.7	113.6	585.6	16.6	740.5
CENTRAL INDIA	8.2	32.5	1035.7	68.6	1145.0
SOUTH PENINSULA	5.1	109.8	660.3	109.7	884.9
EAST & NORTH EAST INDIA	41.2	393.8	1292.0	130.2	1857.2

Table 2: Percent Departures of region-wise seasonal and annual rainfall - Year 2016

REGIONS	WINTER	PRE-MONSOON	MONSOON	POST-MONSOON	ANNUAL
COUNTRY AS A WHOLE	-57%	-1%	-3%	-44%	-9%
NORTH WEST INDIA	-68%	2%	-5%	-74%	-15%
CENTRAL INDIA	-48%	-19%	6%	-14%	3%
SOUTH PENINSULA	-66%	-11%	-8%	-60%	-22%
EAST & NORTH EAST INDIA	-26%	6%	-10%	-24%	-9%

MONTHLY RAINFALL STATISTICS FOR THE COUNTRY & BROAD REGIONS

The observed monthly rainfall for the country as a whole and also for the four broad regions of the country are given at **Table 3** and the % departures from normal rainfall are given at **Table 4**. The country received maximum rainfall in the month of July as 309.2 mm and minimum in the month of November as 7.7 mm. However, on comparing with normals, it is observed that the maximum positive departure is of 9% from its normal rainfall in the month of May where as the maximum negative departure of rainfall was of 74% in the month of November. While, looking at the regions of India, it may be observed that, maximum positive departure of 25% was recorded in South Peninsula in the month of May and June, where as the maximum negative departure was of 100%, i.e. without any rains in the month of November in North West India. However, the highest rainfall of 431.3 mm was recorded in the month of August in E & NE India and the least rainfall recorded was 0.0 mm in the month of November in North West India.

Table 3: Region-wise monthly rainfall (mm) - Year 2016

REGIONS	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
COUNTRY AS A WHOLE	7.8	10.1	30.8	31.4	68.1	147.6	309.2	239.6	168.0	54.5	7.7	8.4
NORTH WEST INDIA	10.3	14.4	57.6	21.3	34.7	64.8	239.4	227.1	54.3	14.9	0.0	1.7
CENTRAL INDIA	4.4	3.8	10.9	2.5	19.1	137.3	382.9	320.9	194.6	66.7	1.7	0.2
SOUTH PENINSULA	3.5	1.6	5.9	7.3	96.6	199.1	193.3	108.7	159.2	54.8	17.3	37.6
EAST & NORTH EAST INDIA	15.5	25.7	51.6	141.7	200.5	265.5	431.3	253.3	341.9	104.5	23.3	2.4

It may be observed (**Table 4**) that, the country remained with rainfall deficiency for all the months except for the the months of March, May and July, when the rainfall was equal or slightly more than the normal rainfall.

Table 4: % Departures of region-wise monthly rainfall - Year 2016

REGIONS	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
COUNTRY AS A WHOLE	-59%	-55%	0%	-18%	9%	-10%	7%	-8%	-3%	-33%	-74%	-49%
NORTH WEST INDIA	-72%	-65%	20%	-30%	6%	-6%	10%	5%	-52%	-51%	-100%	-92%
CENTRAL INDIA	-45%	-52%	14%	-75%	-7%	-16%	18%	5%	7%	14%	-89%	-97%
SOUTH PENINSULA	-55%	-78%	-50%	-79%	25%	25%	-12%	-40%	2%	-65%	-80%	16%
EAST & NORTH EAST INDIA	-27%	-26%	-21%	21%	6%	-24%	-1%	-29%	15%	-20%	-12%	-82%

SOUTH WEST MONSOON – 2016

The rainfall statistics for monsoon months and season for the country is given at **Table 5**. Also, the monthly and seasonal observed and normal rainfall and, the percent departures of observed rainfall from their normal rainfall have been depicted in charts at **Figure 5** and **Figure 6** respectively. During the monsoon season, country was deficient in rainfall at -3% departure from Normal. It may

be observed that, the country was in rainfall deficiency for all the monsoon months except for the month of July.

Table 5: All India Rainfall - SW Monsoon 2016

RAINFALL (mm) FOR THE COUNTRY: SOUTH WEST MONSOON SEASON - 2016			
MONTH	OBSERVED	NORMAL	% DEPARTURES FROM NORMAL
JUNE	147.6	163.6	-10%
JULY	309.2	289.2	7%
AUGUST	239.6	261.3	-8%
SEPTEMBER	168.0	173.4	-3%
MONSOON	864.4	887.5	-3%

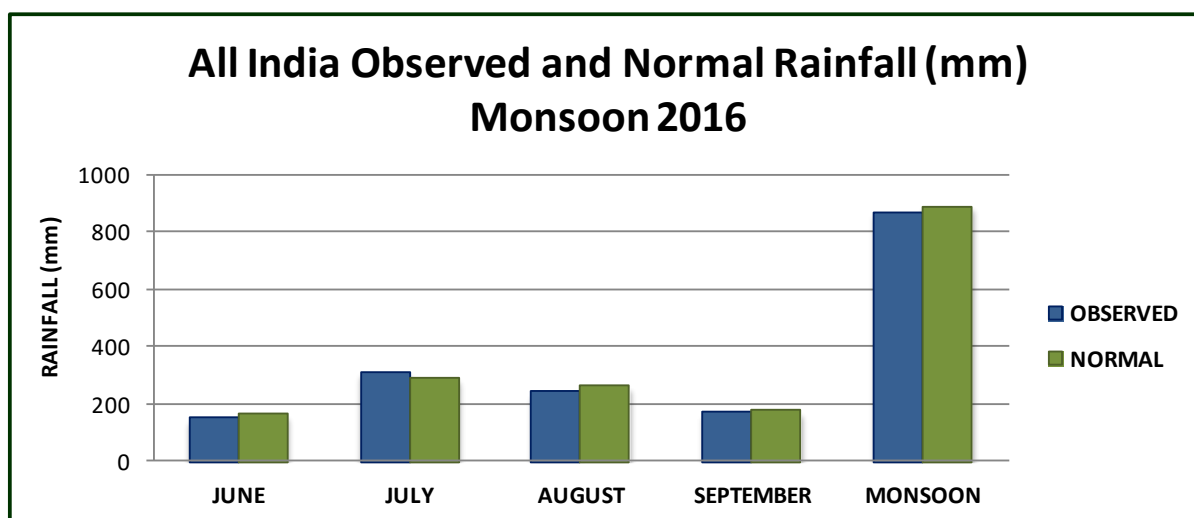


Figure 5: All India Rainfall – SW Monsoon 2016

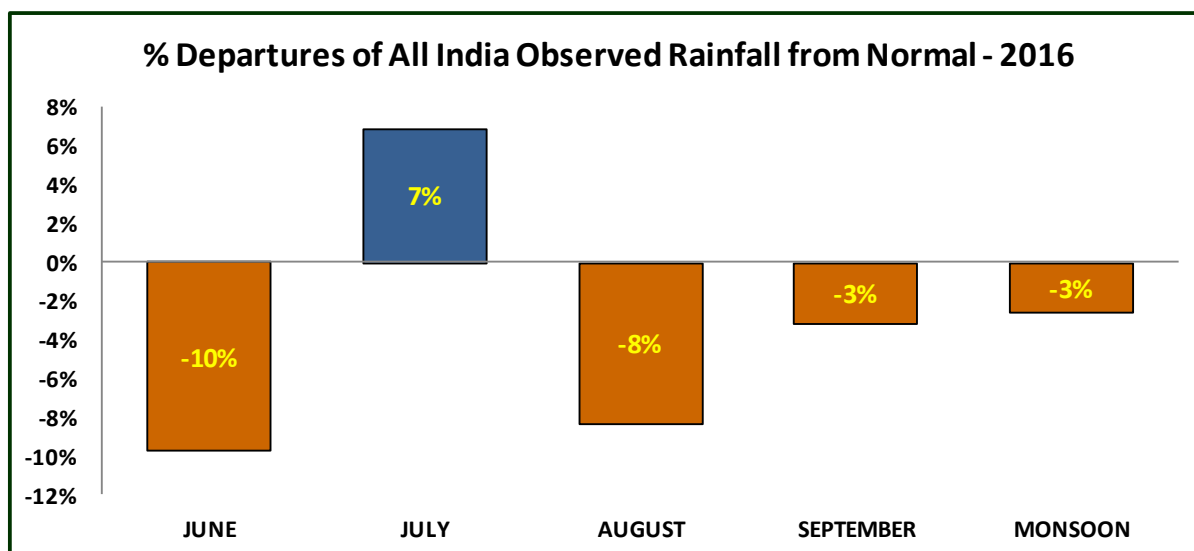


Figure 6: Percent Departures of All India Rainfall – SW Monsoon 2016

HEAVY RAINFALL STATISTICS – SW MONSOON 2016

The stations which recoded 1-day heavy rainfall during the South West monsoon season in each of the met. subdivision have been identified and heavy rainstorms for few selected dates during the season have been analysed.

STATIONS (SUBDIVISION-WISE) WITH HEAVIEST RAINFALL – SW MONSOON 2016

Heaviest rainfall recorded in a day during SW Monsoon season in each of the meteorological subdivision of India along with their date of observation have been given below in Table 6 in descending order of rainfall and has also been depicted on the map at Figure 7. It may be seen that Mawsynram which lies in the heaviest rainfall region recorded the heaviest one day rainfall of 549.2 mm on 19th Jul 2016, where as least of the one day heaviest rainfall of 57.9 mm in a met. subdivision was recorded at Amini station in Lakshdweep. From Figure 4, it may be seen that, even in the months of highest 1-day rainfall, as many as 15 met.-subdivisions as a whole remained in Deficient/ Large Deficient rainfall category.

Table 6: Heaviest One Day Rainfall in Met. Subdivisions of India - SW Monsoon 2016

Met. Subdivision	Station	District	Rainfall (mm)	Date of Obsn.
ASSAM & MEGHALAYA	MAWSYNRAM	EAST KHASI HILLS	549.2	19 Jul 2016
KONKAN & GOA	DAHANU - IMD OBSY	PALGHAR	528.6	21 Sep 2016
TELANGANA	ARMUR	NIZAMABAD	395.4	24 Sep 2016
HAR. CHD & DELHI	JAGADHARI	YAMUNA NAGAR	365.0	15 Jul 2016
GUJARAT REGION	DHARAMPUR	VALSAD	348.0	2 Aug 2016
SAURASHTRA & KUTCH	DHROL	JAMNAGAR	341.0	6 Aug 2016
EAST MADHYA PRADESH	MAIHAR	SATNA	340.0	7 Jul 2016
EAST RAJASTHAN	BEGU SR	CHITTORGARH	338.0	9 Aug 2016
SHWB & SIKKIM	GAJOLDOBA	JALPAIGURI	333.0	24 Jul 2016
ARUNACHAL PRADESH	ROING	LOWER DIBANG VALLEY	321.7	25 Jul 2016
UTTARAKHAND	ROORKEE	HARDWAR	318.0	17 Jul 2016
WEST UTTAR PRADESH	JALESAR	ETAH	310.0	17 Jul 2016
WEST MADHYA PRADESH	SAILANA	RATLAM	302.0	21 Aug 2016
VIDARBHA	BHAMRAGAD	GADCHIROLI	300.0	10 Jul 2016
MADHYA MAHARASHTRA	NANDURBAR	NANDURBAR	296.0	11 Jul 2016
WEST RAJASTHAN	BALI	PALI	293.0	10 Aug 2016
N. I. KARNATAKA	CHITTAPUR	GULBARGA	287.0	21 Jul 2016
EAST UTTAR PRADESH	KUNDA	PRATAPGARH	281.0	15 Aug 2016
JHARKHAND	JAMSHEDPUR AERO	EAST SINGBHUM	270.0	18 Aug 2016
KERALA	MANANTODDY	WYNAD	269.0	29 Jun 2016
S. I. KARNATAKA	HULIKAL ARG	SHIMOGA	261.0	29 Jun 2016
BIHAR	TEKARI	GAYA	260.4	6 Sep 2016
COASTAL KARNATAKA	KOLLUR	UDUPI	250.6	29 Jun 2016
ODISHA	SAMBALPUR	SAMBALPUR	240.3	4 Aug 2016
COASTAL ANDHRA PRADESH	JANGAMAHESWARAPURAM	GUNTUR	230.2	13 Sep 2016
RAYALASEEMA	DUVVUR	CUDDAPAH	224.6	30 Aug 2016
CHHATTISGARH	DONDILOHARA	BALOD	224.0	24 Jun 2016
HIMACHAL PRADESH	NADAUN	HAMIRPUR	217.0	12 Aug 2016
N M M T	SERCHIP(HYDRO)	SERCHHIP	200.0	4 Jul 2016
GANGETIC WEST BENGAL	PANAGARH (IAF)	BURDWAN	197.2	22 Aug 2016

Met. Subdivision	Station	District	Rainfall (mm)	Date of Obsn.
PUNJAB	SHAHPUR KANDI	GURDASPUR	197.0	7 Aug 2016
A & N ISLAND	PORT BLAIR	SOUTH ANDAMAN	196.5	7 Sep 2016
MARATHWADA	RENAPUR	LATUR	180.0	31 Jul 2016
JAMMU & KASHMIR	KATRA	REASI	175.2	7 Aug 2016
TAMILNADU & PONDICHERY	YERCAUD	SALEM	145.2	26 Jul 2016
LAKSHADWEEP	AMINI	LAKSHADWEEP	57.9	9 Jun 2016

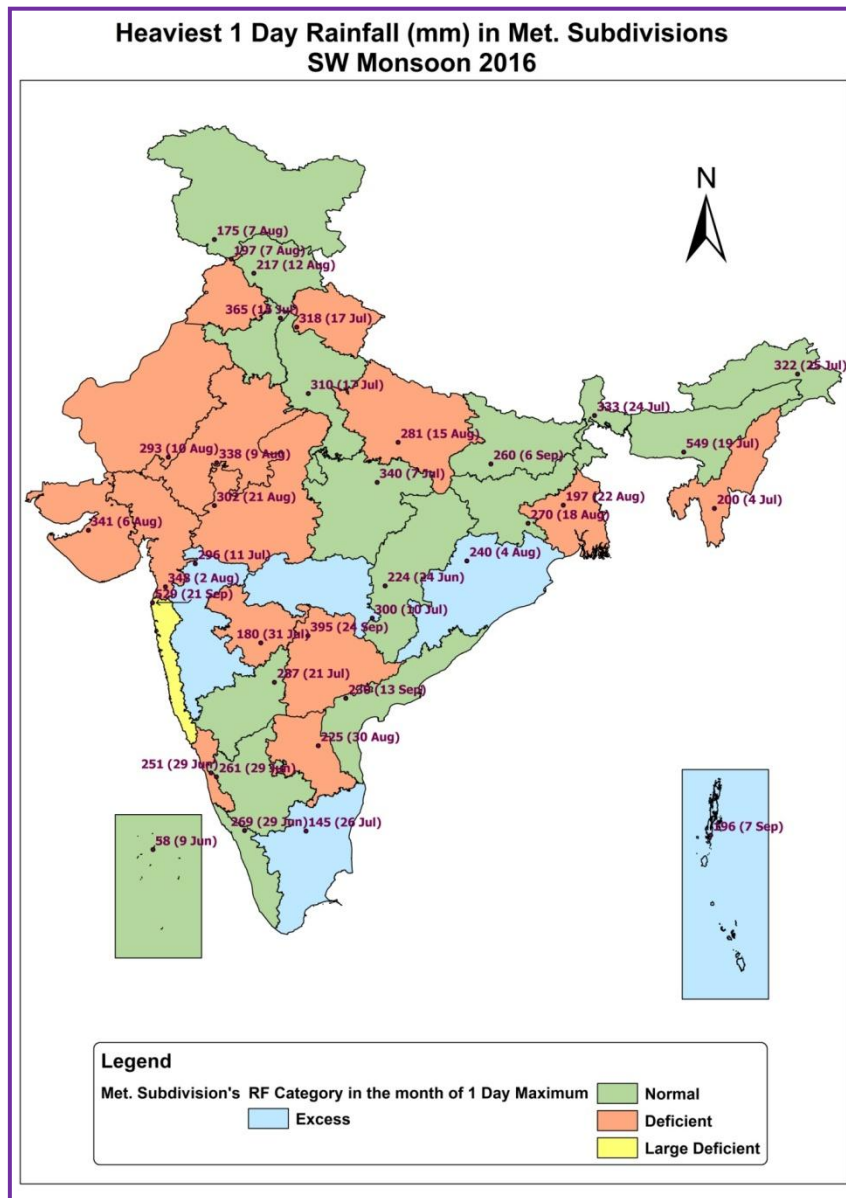


Figure 7: Heaviest 1 Day Rainfall (mm) in each Meteorological Subdivision of India

HIGH RAINFALL EVENTS IN DIFFERENT CATEGORIES OF RAINFALL

A statistics on high rainfall events during SW Monsoon season in different categories has been compiled and given below in tabular and graphical formats. **Table 7** gives the information at regional level and **Table 8** gives the statistics at subdivisional scale. The information has also been depicted on maps also at Figure 8(a) and Figure 8(b). It may be observed that during Monsoon 2016, maximum

number of average Extreme Heavy Rainfall events (≥ 21 cm per day) occurred in E & NE India, followed by Central India, NW India and South Peninsular India. The maximum number of average Very Heavy rainfall events (12 to 20 cm per day) occurred in Central India followed by E & NE India, NW India and South Peninsular India. The maximum number of average Heavy rainfall events (7 to 11 cm per day) occurred in E & NE India followed by Central India, South Peninsular India and NW India.

Table 7: High Rainfall Events at Regional Scale - SW Monsoon 2016

Region	Rainfall: 7 - 11 cm			Rainfall: 12 - 20 cm			Rainfall: 21 cm or more		
	Number of			Number of			Number of		
	Reporting Stations	Events	Average Events per station	Reporting Stations	Events	Average Events per station	Reporting Stations	Events	Average Events per station
CENTRAL INDIA	803	2614	3.26	348	776	2.23	72	104	1.44
E & NE INDIA	382	1349	3.53	182	385	2.12	32	66	2.06
NORTH WEST INDIA	529	1202	2.27	225	312	1.39	31	33	1.06
SOUTH PENINSULA	519	1226	2.36	156	212	1.36	15	15	1.00

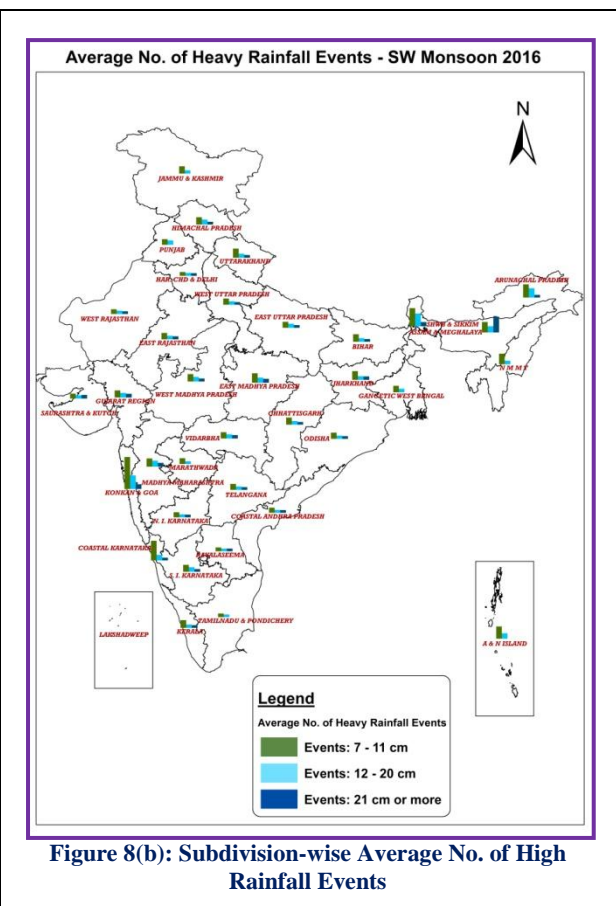
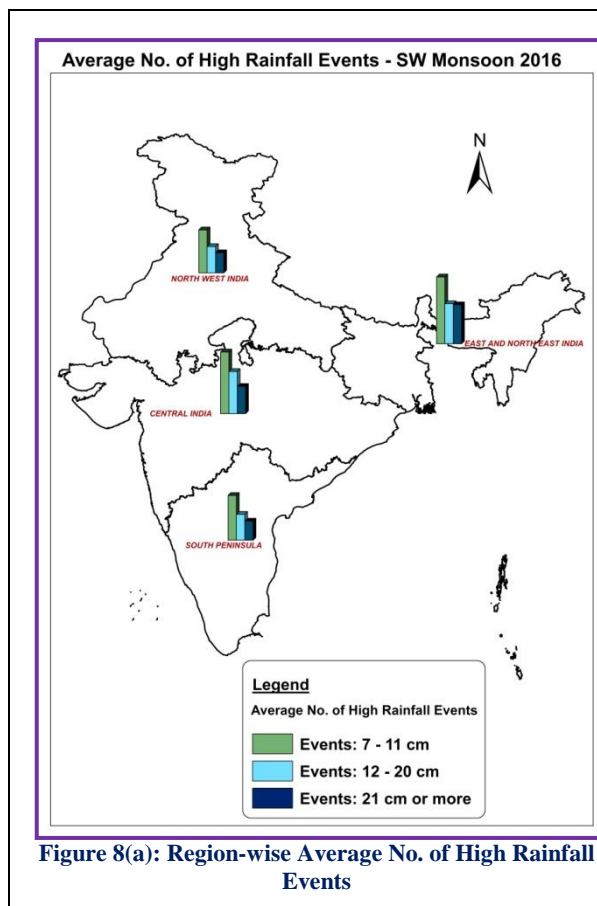


Table 8: High Rainfall Events at Met. Subdivisional Scale - SW Monsoon 2016

Met. Subdivision	Rainfall: 7 - 11 cm			Rainfall: 12 - 20 cm			Rainfall: 21 cm or more		
	Number of			Number of			Number of		
	Reporting Stations	Events	Events per station	Reporting Stations	Events	Events per station	Reporting Stations	Events	Events per station
A & N ISLAND	6	27	4.50	2	4	2.00	0	0	0.00
ARUNACHAL PRADESH	12	58	4.83	7	24	3.43	2	2	1.00
ASSAM & MEGHALAYA	63	244	3.87	26	60	2.31	5	29	5.80
BIHAR	108	298	2.76	39	52	1.33	5	5	1.00
CHHATTISGARH	40	105	2.63	15	20	1.33	2	2	1.00
COASTAL ANDHRA PRADESH	70	133	1.90	18	19	1.06	2	2	1.00
COASTAL KARNATAKA	32	230	7.19	23	47	2.04	2	2	1.00
EAST MADHYA PRADESH	49	170	3.47	26	49	1.88	7	10	1.43
EAST RAJASTHAN	178	415	2.33	81	106	1.31	18	20	1.11
EAST UTTAR PRADESH	99	218	2.20	41	61	1.49	3	3	1.00
GANGETIC WEST BENGAL	74	176	2.38	39	50	1.28	0	0	0.00
GUJARAT REGION	95	249	2.62	35	60	1.71	8	11	1.38
HAR. CHD & DELHI	46	66	1.43	10	11	1.10	2	2	1.00
HIMACHAL PRADESH	45	120	2.67	20	36	1.80	3	3	1.00
JAMMU & KASHMIR	6	16	2.67	5	6	1.20	0	0	0.00
JHARKHAND	63	201	3.19	30	40	1.33	4	5	1.25
KERALA	52	148	2.85	13	16	1.23	1	1	1.00
KONKAN & GOA	65	764	11.75	65	327	5.03	23	41	1.78
LAKSHADWEEP	0	0	0.00	0	0	0.00	0	0	0.00
MADHYA MAHARASHTRA	73	223	3.05	35	79	2.26	7	10	1.43
MARATHWADA	49	104	2.12	11	11	1.00	0	0	0.00
N M M T	15	58	3.87	10	13	1.30	0	0	0.00
N. I. KARNATAKA	34	64	1.88	8	9	1.13	1	1	1.00
ORISSA	184	416	2.26	54	63	1.17	1	1	1.00
PUNJAB	28	58	2.07	10	16	1.60	0	0	0.00
RAYALASEEMA	41	58	1.41	6	6	1.00	1	1	1.00
S. I. KARNATAKA	46	117	2.54	15	25	1.67	2	2	1.00
SAURASHTRA & KUTCH	59	107	1.81	19	23	1.21	6	8	1.33
SHWB & SIKKIM	47	314	6.68	31	146	4.71	16	25	1.56
TAMILNADU & PONDICHERY	87	118	1.36	8	8	1.00	0	0	0.00
TELANGANA	151	331	2.19	63	78	1.24	6	6	1.00
UTTARAKHAND	34	114	3.35	17	25	1.47	2	2	1.00
VIDARBHA	95	219	2.31	39	60	1.54	8	10	1.25
WEST MADHYA PRADESH	94	257	2.73	49	84	1.71	10	11	1.10
WEST RAJASTHAN	33	57	1.73	14	17	1.21	1	1	1.00
WEST UTTAR PRADESH	60	138	2.30	27	34	1.26	2	2	1.00

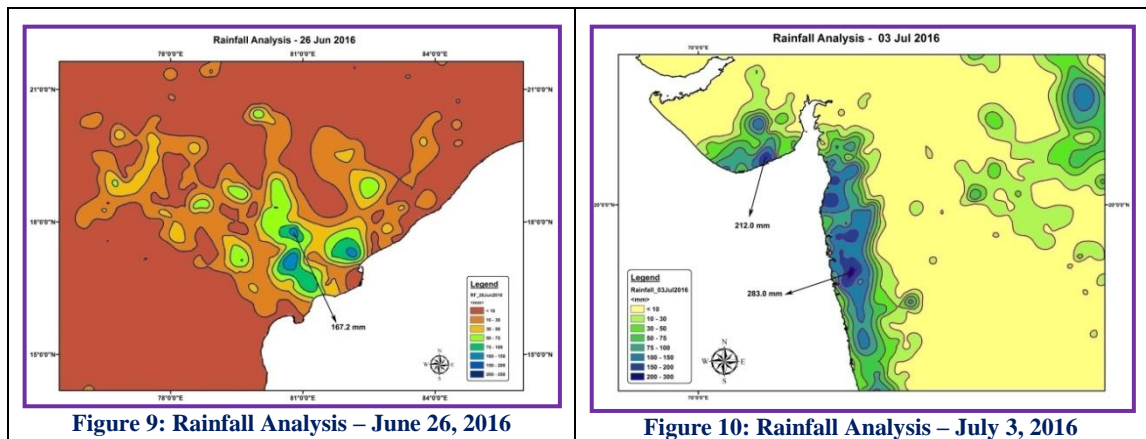
ANALYSIS OF FEW HEAVY RAINFALL EVENTS

Synoptic features of seven heavy rainfall events which were markedly prominent during the SW monsoon season have been briefly discussed along with the rainfall analysis.

(1) A rainfall low over coastal A. P. and Odisha - 26th June 2016

A low pressure area formed over the west central Bay of Bengal on 25th June. It moved over to west central and adjoining north west Bay of Bengal off south Odisha, north Andhra

Pradesh on 26th and 27th. It further moved over to Chhattisgarh and adjoining area of Odisha and Vidarbha by 28th evening and became less marked on 29th June.



(2) A Cyclonic Circulation over Saurashtra & Kutch and neighbourhood on 3rd Jul 2016

The last week of June, witnessed the formation of a Depression over northeast Arabian Sea and a low pressure area over west central and adjoining northwest Bay of Bengal. Aided with an active east-west trough and shear zone embedded with circulations enhanced the rainfall activity over northern plains and central India. With the strengthening of winds in the lower tropospheric levels in the first week of July and the formation of a short-lived Land Depression led to good rainfall in the SE Saurashtra & Kutch and the westward side of Western Ghats of Gujarat region and Konkan and Goa.

(3) Land Depression over Madhya Pradesh and neighbourhood on 7th Jul 2016

A low pressure area formed over westcentral and adjoining northwest Bay of Bengal and adjoining areas of north Andhra Pradesh-south Odisha coasts with an associated cyclonic circulation extending upto mid tropospheric levels on 30th June. It lay over north-west Bay of Bengal off Odisha coast on 1st July, over northwest Bay of Bengal and adjoining areas of Odisha and Gangetic West Bengal on 2nd, over Jharkhand and adjoining areas of Gangetic West Bengal & Odisha on 3rd and over southern parts of Bihar and neighbourhood on 4th with the associated cyclonic circulation extending upto upper tropospheric levels. It lay as a well marked low pressure area over east Uttar Pradesh and adjoining Bihar with the associated cyclonic circulation extending upto 7.6 kms a.s.l. on 5th. It concentrated into a **Depression** and lay over northeast Madhya Pradesh and neighbourhood centred nearly 30 kms to the east of Satna at 0300 UTC of 6th and persisted there at 1200 UTC. It persisted there and lay centred nearly 30 kms to the east of Satna at 0000 UTC of 7th. It weakened subsequently and lay as a well marked low pressure area over the same region on 7th. It lay as a low pressure area over the same region on 8th and became less marked on 9th.

(4) A Rainfall Low over Vidarbha on 10th Jul 2016

On 7th July well marked low pressure area (WML) lay over North East M.P. and neighbourhood with associated UAC. On 8th July it weakened as a LOPAR over the same area with associated UAC. On 9th July LOPAR over North East M.P. became less marked, however UAC lay over North East and central M.P. On 10th July UAC lay over West M.P. and neighbourhood. The system gave good rainfall over Vidharbha on 10th July.

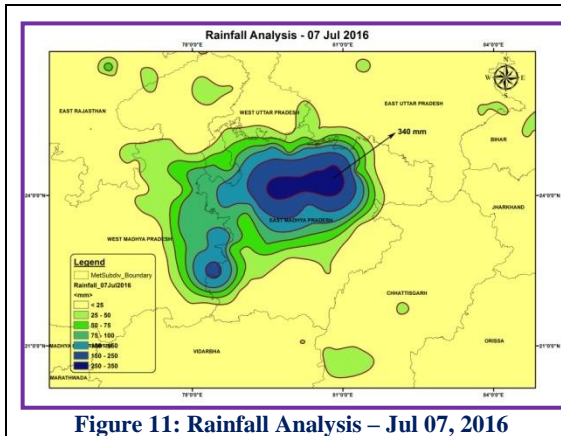


Figure 11: Rainfall Analysis – Jul 07, 2016

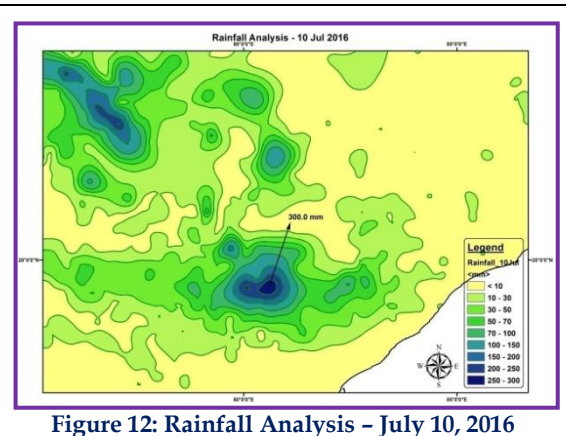


Figure 12: Rainfall Analysis – July 10, 2016

(5) A Deep Depression over Coastal areas of West Bengal and neighbourhood 11th Aug 2016

A low pressure area formed over NW Bay of Bengal and adjoining coastal areas of west Bengal in the early morning of 9th and lay as a well marked low pressure area over the same region on 9th morning hours. Associated cyclonic circulation extends upto 7.6 kms a.s.l. It concentrated into a **Depression** and lay over coastal areas of West Bengal & neighbourhood near Lat. 22.0° N/ Long. 88.5° E at 0900 UTC of 9th. It moved northeastwards and intensified into a **Deep Depression** over south Bangla Desh & neighbourhood and lay centred near Lat. 23.0° N/ Long. 89.4° E about 100 kms east northeast of Kolkata. at 0300 UTC of 10th. It moved north-northwestwards and lay centred over Bangla Desh and adjoining West Bengal near Lat. 23.4° N / Long. 89.1° E about 60 kms east of Krishnanagar at 1200 UTC of 10th. It moved west- northwestwards and lay over Gangetic West Bengal and adjoining Jharkhand, centred near Lat. 24.0° N / Long. 87.4° E about 240 kms northeast of Ranchi and 140 kms southeast of Bhagalpur at 0300 UTC of 11th. It moved west-northwestwards and weakened into a **Depression** and lay centred over Jharkhand and adjoining Gangetic West Bengal. It moved nearly westwards and lay over Jharkhand & neighbourhood near Lat. 24.0°N / Long. 84.5°E, at 0300 UTC 12th. It weakened and lay as a well marked low pressure area over south Bihar and neighbourhood on 13th.

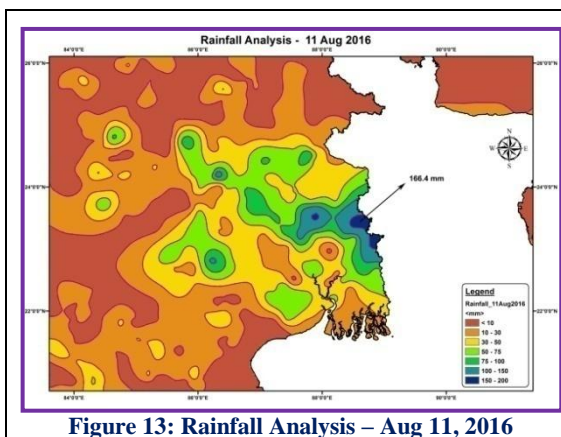


Figure 13: Rainfall Analysis – Aug 11, 2016

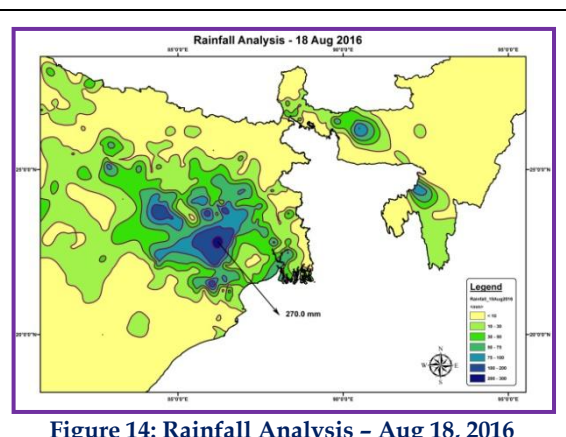


Figure 14: Rainfall Analysis – Aug 18, 2016

(6) A Deep Depression over Jharkhand on 18th Aug 2016

Deep Depression over laid centred at 0830 hours IST 18th August over Jharkhand and adjoining areas of north Chhattisgarh and south Bihar, near Lat. 24° N & Long. 85° E, about 100 km East of Daltonganj (Jharkhand). Deep Depression moved and laid centred at 0530 hours IST of 19th August over extreme south Uttar Pradesh and adjoining northeast Madhya Pradesh, near Lat. 25.0°N & Long. 82.7°E, about 200 km East-North-East of Satna. Deep Depression moved away on evening of 19th August.

REGION-WISE DAILY RAINFALL SERIES – SW MONSOON 2016

Daily SW-Monsoon rainfall for the country and its broad regions has been plotted against their normal rainfall, given below at Figure 16 through Figure 20. The temporal distribution of SW monsoon rainfall of the country at Figure 16 shows that the rainfall was good throughout the season but there were two long deficient rainfall spells of more than 10 days, may be due to the two dry spells, one in August in South Peninsula (Aug. 5-26) and another in September in NW India (Sept. 2-21). In the region of Central India, spells of high magnitude rainfall were observed during July and early August. In E & NE region, dry spells were more and of longer duration than the excess rainfall spells.

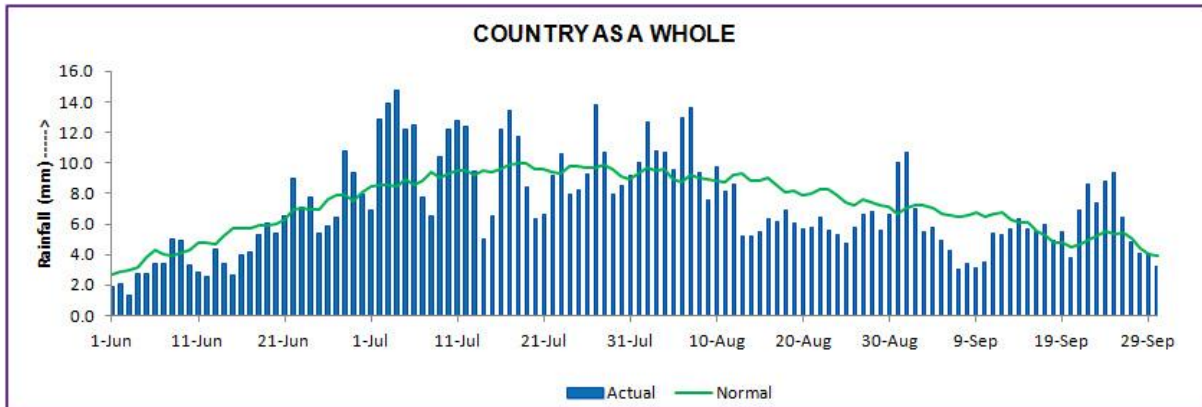


Figure 16: All India Rainfall - SW Monsoon Rainfall Distribution – 2016

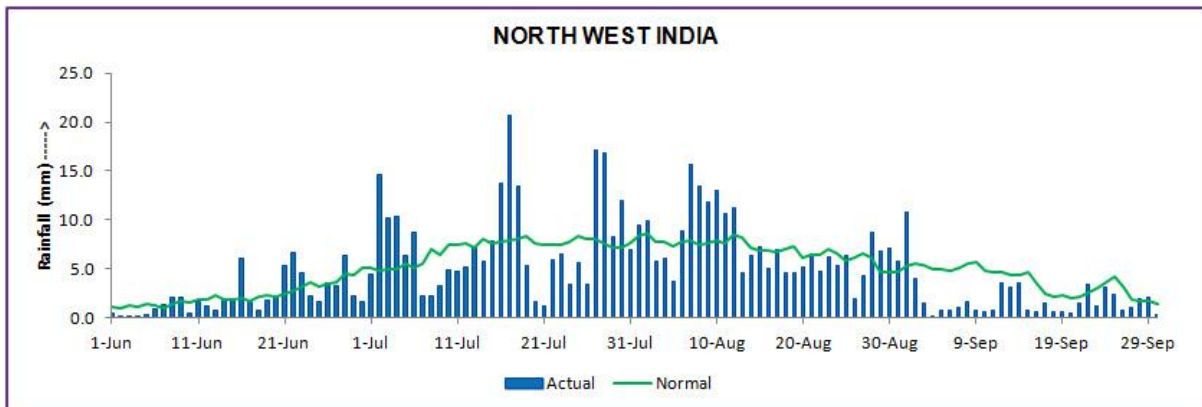


Figure 17: North West India - SW Monsoon Rainfall Distribution – 2016

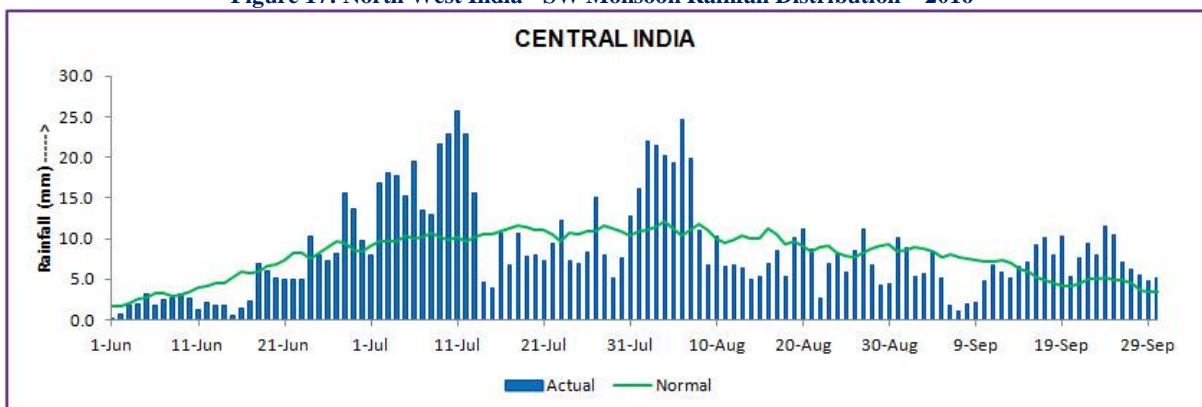


Figure 18: Central India - SW Monsoon Rainfall Distribution – 2016

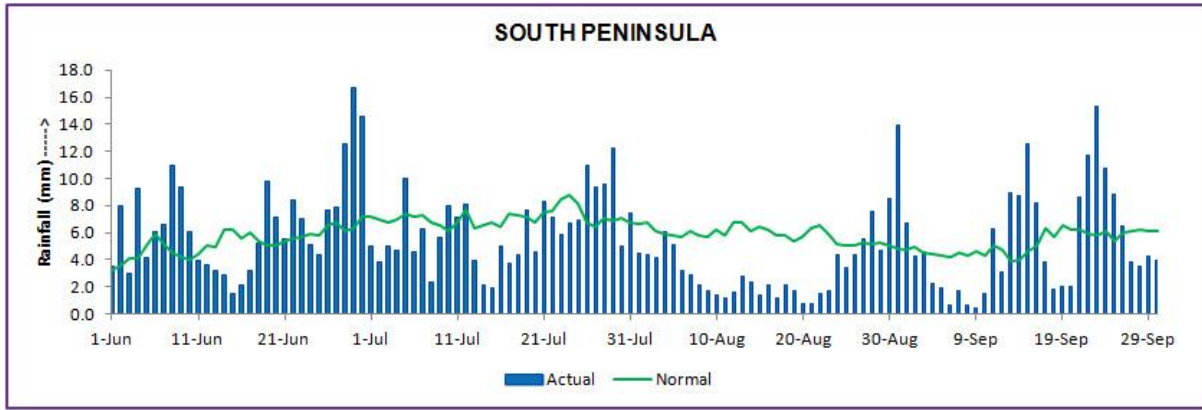


Figure 19: South Peninsula - SW Monsoon Rainfall Distribution – 2016

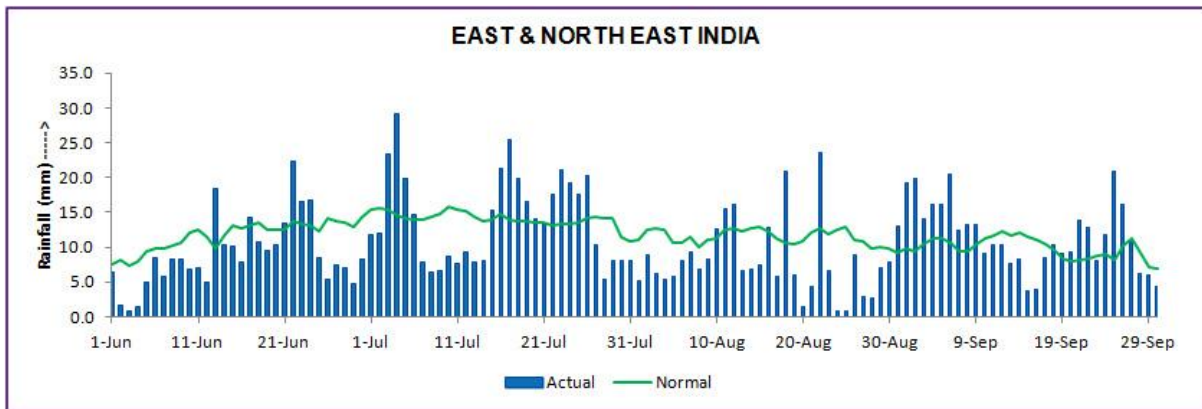


Figure 20: East & North East India - SW Monsoon Rainfall Distribution – 2016

SUBDIVISION-WISE SEASONAL & ANNUAL RAINFALL STATISTICS

Seasonal and annual observed rainfall statistics during the year 2016 for all the 36 meteorological subdivisions are given in Table 9 and Subdivisional percent departures of rainfall have been given in Table 10. It may be observed from annual rainfall that Konkan & Goa received highest rainfall of 3663.9 mm and West Rajasthan received lowest rainfall of 347.0 mm. During the monsoon season, Konkan & Goa received highest rainfall of 3551.0 mm and Tamilnadu & Pondicherry received lowest rainfall of 253.9 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 East Rajasthan which remained in Excess category. None of the subdivisions remained in Large Deficient category. During Monsoon season also, no subdivision remained in Large Deficient rainfall category. During South-West Monsoon season 2016, none of the 36 meteorological subdivisions recorded the rainfall that is less than 50% of its normal, with highest deficiency in rainfall of 34% in Kerala.

Table 9: Subdivision-wise seasonal and annual rainfall (mm) - Year 2016

METEOROLOGICAL SUBDIVISIONS	WINTER	PRE-MONSOON	MONSOON	POST-MONSOON	ANNUAL
A & N ISLAND	87.8	198.9	1562.6	1002.6	2851.9
ARUNACHAL PRADESH	102.6	740.4	1678.2	185.7	2706.9
ASSAM & MEGHALAYA	34.8	726.0	1323.9	182.1	2266.9
N M M T	42.0	478.7	1229.0	206.7	1956.4
SHWB & SIKKIM	27.9	434.0	2007.1	155.8	2624.8
GANGETIC WEST BENGAL	47.8	132.4	1157.8	89.0	1427.0
ODISHA	18.9	98.7	1031.5	104.4	1253.5
JHARKHAND	20.2	91.3	1107.0	45.6	1264.0

METEOROLOGICAL SUBDIVISIONS	WINTER	PRE-MONSOON	MONSOON	POST-MONSOON	ANNUAL
BIHAR	9.9	93.5	993.9	60.8	1158.0
EAST U.P.	6.6	48.8	790.3	25.9	871.7
WEST U.P.	4.0	39.2	640.1	9.6	692.8
UTTARAKHAND	34.6	155.0	1102.7	16.2	1308.6
HAR. CHD & DELHI	1.2	48.1	343.3	6.2	398.7
PUNJAB	12.5	60.2	367.9	3.4	444.0
HIMACHAL PRADESH	57.2	232.1	624.8	7.5	921.5
JAMMU & KASHMIR	78.8	331.8	482.7	9.4	902.8
WEST RAJASTHAN	1.7	11.1	316.1	18.1	347.0
EAST RAJASTHAN	1.0	13.3	813.7	32.6	860.6
WEST MADHYA PRADESH	5.3	12.4	1039.6	40.6	1098.0
EAST MADHYA PRADESH	22.3	35.6	1253.1	29.0	1340.0
GUJARAT REGION	0.0	1.0	696.9	66.9	764.9
SAURASHTRA & KUTCH	0.0	1.3	416.9	64.7	482.9
KONKAN & GOA	0.1	4.4	3551.0	108.5	3663.9
MADHYA MAHARASHTRA	0.7	16.2	824.9	64.4	906.3
MARATHWADA	3.1	20.1	824.8	100.9	949.0
VIDARBHA	5.9	37.5	1045.4	75.0	1163.8
CHHATTISGARH	9.8	48.5	1177.8	79.8	1315.8
COASTAL ANDHRA PRADESH	2.5	127.4	669.4	109.7	908.9
TELANGANA	1.4	70.9	899.8	71.3	1043.4
RAYALASEEMA	7.9	81.7	391.9	73.9	555.4
TAMILNADU & PONDICHERRY	3.3	111.9	253.9	166.0	535.0
COASTAL KARNATAKA	0.5	98.3	2423.5	97.5	2619.7
N. I. KARNATAKA	0.7	67.2	524.3	32.8	625.0
S. I. KARNATAKA	4.0	103.9	517.4	61.9	687.3
KERALA	19.3	314.2	1352.3	185.0	1870.9
LAKSHADWEEP	71.7	83.2	745.4	165.4	1065.7

Table 10: % Departures of subdivision-wise seasonal and annual rainfall - Year 2016

METEOROLOGICAL SUBDIVISIONS	WINTER	PRE-MONSOON	MONSOON	POST-MONSOON	ANNUAL
A & N ISLAND	6%	-57%	-7%	44%	-3%
ARUNACHAL PRADESH	-31%	-1%	-5%	-30%	-8%
ASSAM & MEGHALAYA	-26%	23%	-26%	-7%	-14%
N M M T	-4%	-3%	-18%	-15%	-14%
SHWB & SIKKIM	-54%	-5%	0%	-16%	-3%
GANGETIC WEST BENGAL	39%	-20%	-1%	-44%	-7%
ODISHA	-41%	-27%	-10%	-28%	-14%
JHARKHAND	-39%	15%	1%	-50%	-2%
BIHAR	-57%	21%	-3%	-22%	-4%
EAST U.P.	-77%	54%	-12%	-57%	-14%
WEST U.P.	-88%	35%	-17%	-82%	-22%
UTTARAKHAND	-67%	-1%	-10%	-82%	-17%
HAR. CHD & DELHI	-96%	41%	-26%	-79%	-29%
PUNJAB	-75%	13%	-25%	-92%	-30%
HIMACHAL PRADESH	-71%	-5%	-24%	-93%	-33%
JAMMU & KASHMIR	-63%	2%	-10%	-93%	-25%
WEST RAJASTHAN	-77%	-42%	20%	91%	16%
EAST RAJASTHAN	-90%	-23%	32%	18%	28%

METEOROLOGICAL SUBDIVISIONS	WINTER	PRE-MONSOON	MONSOON	POST-MONSOON	ANNUAL
WEST MADHYA PRADESH	-61%	-8%	19%	-24%	15%
EAST MADHYA PRADESH	-37%	42%	19%	-50%	15%
GUJARAT REGION	-100%	-85%	-24%	94%	-20%
SAURASHTRA & KUTCH	-100%	-67%	-13%	119%	-6%
KONKAN & GOA	-1%	-88%	22%	-27%	18%
MADHYA MAHARASHTRA	-63%	-57%	13%	-40%	3%
MARATHWADA	-54%	-34%	21%	-1%	16%
VIDARBHA	-66%	21%	10%	-8%	7%
CHHATTISGARH	-53%	4%	2%	2%	1%
COASTAL ANDHRA PRADESH	-87%	31%	15%	-67%	-11%
TELANGANA	-88%	25%	19%	-40%	11%
RAYALASEEMA	20%	0%	-2%	-66%	-21%
TAMILNADU & PONDICHERRY	-89%	-13%	-20%	-62%	-41%
COASTAL KARNATAKA	-48%	-45%	-21%	-63%	-26%
N. I. KARNATAKA	-82%	-21%	4%	-77%	-16%
S. I. KARNATAKA	-8%	-28%	-22%	-70%	-33%
KERALA	-20%	-17%	-34%	-62%	-36%
LAKSHADWEEP	102%	-64%	-25%	-50%	-33%

Annual rainfall statistics for the year 2016 show that, 23 meteorological subdivisions remained in Normal and 12 in Deficient category of rainfall. Only 1 subdivision remained in Excess category of rainfall. The categorywise statistics and chart for seasonal distribution of no. of meteorological subdivisions have been given in Table 11 and Figure 21 respectively.

Table 11: Categorywise number of Meteorological Subdivisions - seasonally and annually - Year 2016

CATEGORY	WINTER	PRE-MONSOON	MONSOON	POST-MONSOON	ANNUAL
L. EXCESS	1	0	0	3	0
EXCESS	2	9	4	1	1
NORMAL	4	13	22	7	23
DEFICIENT	11	10	10	12	12
L. DEFICIENT	16	4	0	13	0
NO RAIN	2	0	0	0	0
NO DATA	0	0	0	0	0

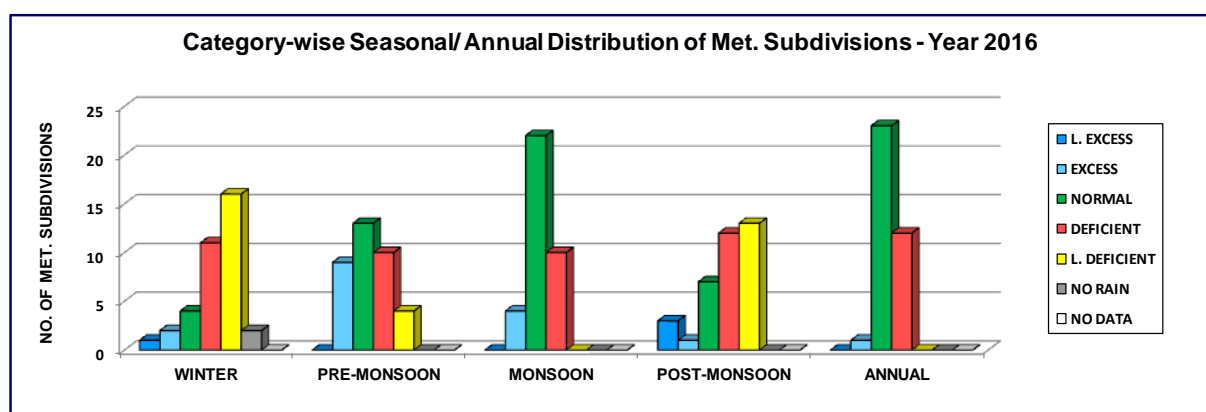


Figure 21: Categorywise distribution of Meteorological Subdivisions – seasonally and annually – Year 2016

Percent distribution of meteorological subdivisional area of the country under different categories in the four seasons and for the year has been depicted in Figure 22.

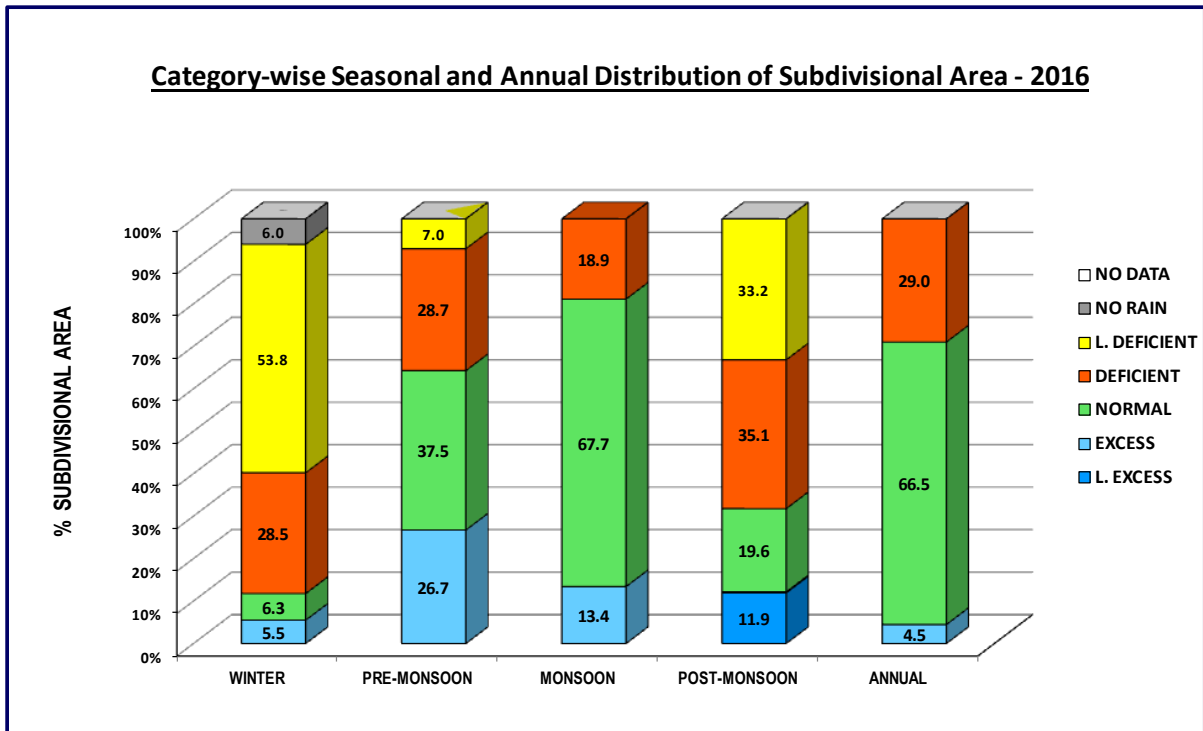


Figure 22: Categorywise distribution of Subdivisional Area – Year 2016

SUBDIVISIONAL AREA (%) UNDER RAINFALL DEFICIENCY – SW Monsoon 2016

Area (%) of the 36 meteorological subdivisions of India under different categories of rainfall deficiency during SW monsoon (June-September) have been given below in tabular form in [Table 12](#) and has been depicted in graphical form in [Figure 23](#) as well.

Table 12: Subdivisional Area (%) under Rainfall Deficiency - Monsoon 2016

Deficiency in Rainfall	% Area of Met. Subdivisions of India
< 26 % or No deficiency	94%
26 % or more but < 50 %	6%
50 % or more	0%

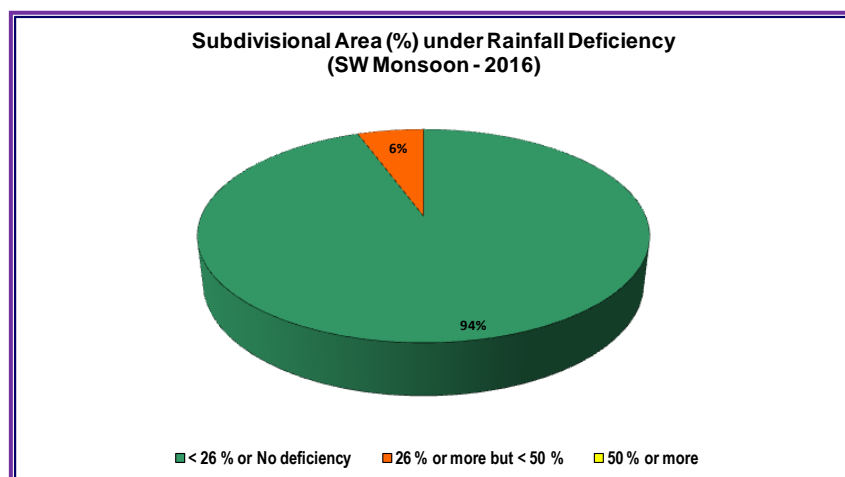


Figure 23: Subdivisional Area (%) under Rainfall Deficiency – SW Monsoon 2016

SUBDIVISION-WISE ANNUAL & SEASONAL RAINFALL MAPS

Subdivisionwise rainfall maps for the year 2016 and for the four seasons depicting the observed and normal rainfall values alongwith their percentage departures from normals with defined colors for different categories are given below at Figure 24 through Figure 28.

Bold figures on the map are the normal rainfall values where as small figures indicate the actual rainfall. Percentage departures of rainfall are shown within the brackets.

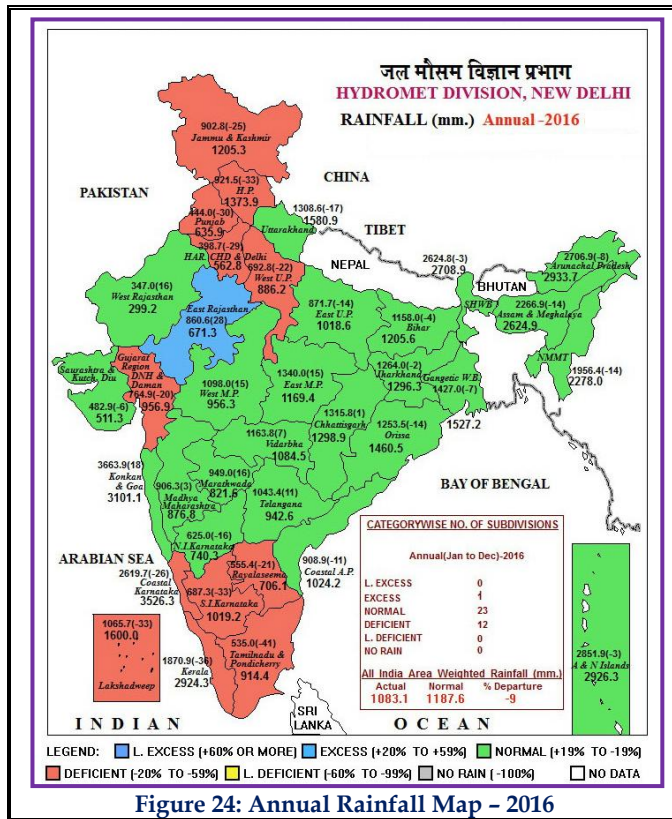


Figure 24: Annual Rainfall Map - 2016

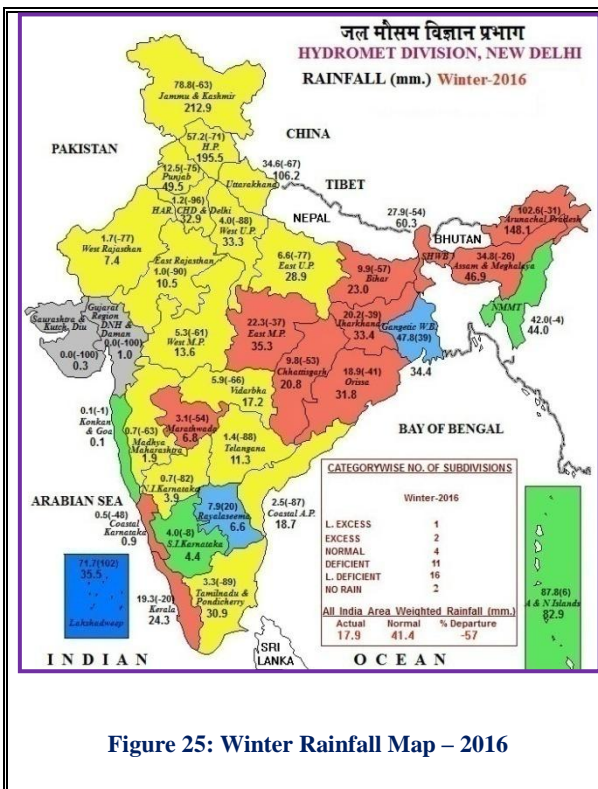


Figure 25: Winter Rainfall Map - 2016

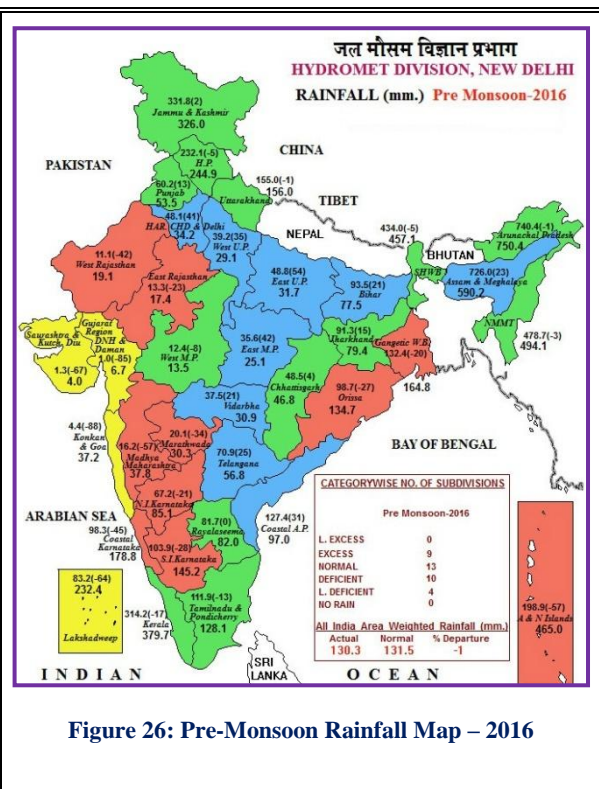


Figure 26: Pre-Monsoon Rainfall Map - 2016

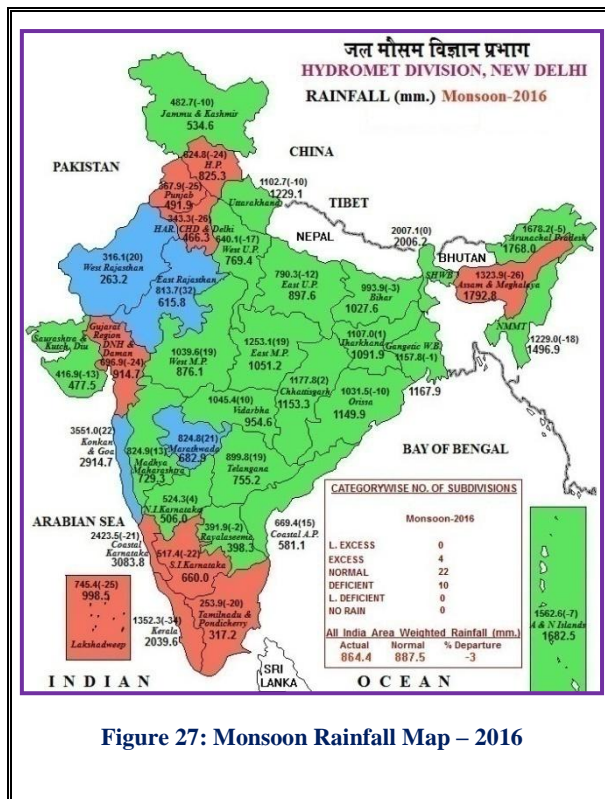


Figure 27: Monsoon Rainfall Map – 2016

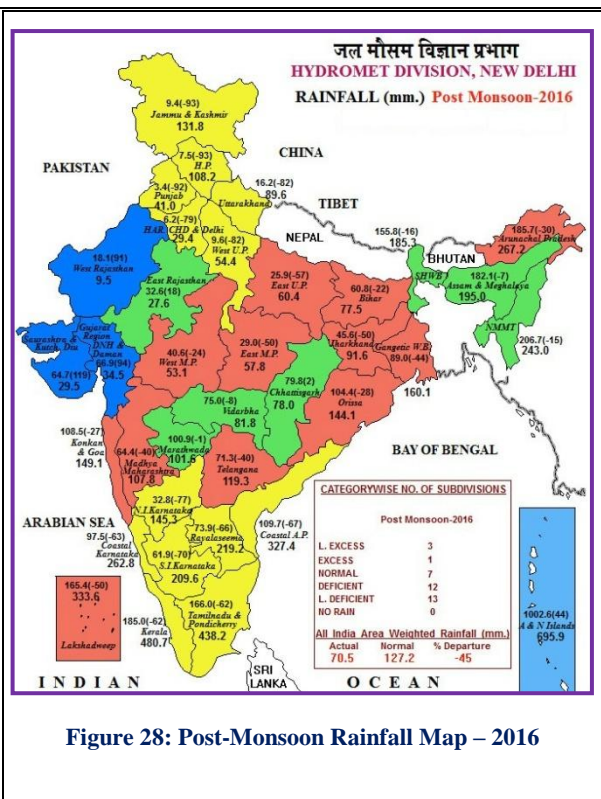


Figure 28: Post-Monsoon Rainfall Map – 2016

SUBDIVISION-WISE MONTHLY RAINFALL STATISTICS

Subdivisionwise monthly observed and percentage departures of sub-divisional monthly rainfall from their normal rainfall have been given in Table 13 and Table 14 respectively.

Table 13: Subdivision-wise monthly rainfall (mm) - Year 2016

METEOROLOGICAL SUBDIVISIONS	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
A & N ISLAND	72.0	15.8	5.4	2.4	191.1	429.4	301.2	227.7	604.3	287.2	181.7	533.7
ARUNACHAL PRADESH	29.4	73.2	128.4	333.1	278.9	379.4	620.1	145.7	532.9	172.7	8.4	4.6
ASSAM & MEGHALAYA	18.9	15.9	64.1	327.8	334.0	369.0	498.4	185.3	271.2	136.5	38.2	7.4
N M M T	8.5	33.5	57.6	135.4	285.7	287.8	326.2	319.0	296.0	114.7	90.3	1.7
SHWB & SIKKIM	20.7	7.1	98.9	101.4	233.7	570.8	732.1	209.9	494.3	155.6	0.0	0.3
GANGETIC WEST BENGAL	9.9	37.9	14.7	5.8	111.9	172.7	334.7	416.7	233.7	69.8	19.2	0.0
ODISHA	2.2	16.7	15.2	8.6	74.9	164.2	280.3	320.8	266.2	93.5	10.4	0.5
JHARKHAND	12.6	7.6	17.5	1.0	72.8	122.9	301.0	395.6	287.5	45.6	0.0	0.0
BIHAR	9.3	0.6	5.6	3.9	84.0	128.7	356.4	150.8	357.9	60.8	0.0	0.0
EAST U.P.	5.3	1.3	9.5	0.0	39.3	77.1	338.1	224.4	150.7	25.9	0.0	0.0
WEST U.P.	2.1	2.0	10.4	0.5	28.3	60.0	352.5	182.9	44.7	9.6	0.0	0.0
UTTARAKHAND	5.4	29.3	45.8	9.9	99.3	174.4	508.4	308.5	111.4	12.7	0.0	3.5
HAR. CHD & DELHI	0.0	1.1	20.7	0.6	26.7	35.8	159.8	133.0	14.8	5.2	0.0	1.0
PUNJAB	6.5	6.0	34.6	0.8	24.8	52.6	153.1	144.8	17.4	1.9	0.5	1.1
HIMACHAL PRADESH	18.7	38.4	114.4	47.5	70.2	101.3	194.0	272.7	56.8	5.3	0.0	2.2
JAMMU & KASHMIR	34.5	44.4	191.4	82.0	58.4	62.9	193.0	181.8	45.1	3.3	0.0	6.1
WEST RAJASTHAN	0.1	1.6	6.7	0.4	4.0	33.2	80.0	191.9	11.0	18.1	0.0	0.0
EAST RAJASTHAN	0.6	0.4	3.8	0.0	9.5	61.7	326.2	385.6	40.2	32.6	0.0	0.0
WEST MADHYA PRADESH	5.2	0.2	2.4	0.0	10.0	111.1	432.9	394.8	100.8	40.6	0.0	0.0
EAST MADHYA PRADESH	20.2	2.1	17.6	0.1	17.9	99.0	552.2	462.3	139.6	29.0	0.0	0.0
GUJARAT REGION	0.0	0.0	0.6	0.0	0.4	31.8	255.8	303.9	105.3	66.9	0.0	0.0

METEOROLOGICAL SUBDIVISIONS	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
SAURASHTRA & KUTCH	0.0	0.0	0.3	0.0	1.1	31.3	110.0	216.0	59.6	64.7	0.0	0.0
KONKAN & GOA	0.0	0.1	2.0	0.3	2.1	806.5	1327.3	817.0	600.2	106.3	2.0	0.1
MADHYA MAHARASHTRA	0.0	0.7	7.1	1.4	7.7	100.7	319.6	232.7	171.9	62.4	1.1	0.9
MARATHWADA	0.0	3.1	10.8	3.0	6.3	157.3	276.1	89.2	302.3	100.8	0.0	0.2
VIDARBHA	0.7	5.2	20.1	5.1	12.4	165.5	490.2	161.8	227.8	75.0	0.0	0.0
CHHATTISGARH	6.1	3.6	24.5	4.4	19.6	164.2	361.0	357.1	295.6	79.8	0.0	0.0
COASTAL ANDHRA PRADESH	1.6	0.9	3.6	3.0	120.8	189.1	131.5	124.4	224.4	59.7	13.1	36.9
TELANGANA	1.2	0.2	11.5	4.3	55.1	194.0	235.8	133.7	336.3	70.4	0.5	0.4
RAYALASEEMA	7.9	0.0	0.8	0.4	80.5	128.6	131.0	41.5	90.8	14.1	5.4	54.4
TAMILNADU & PONDICHERRY	2.5	0.8	3.1	6.3	102.5	63.0	86.8	55.1	49.0	65.8	33.8	66.5
COASTAL KARNATAKA	0.5	0.0	0.2	3.8	94.3	963.1	763.1	471.3	225.9	77.4	14.4	5.7
N. I. KARNATAKA	0.3	0.4	6.1	11.0	50.0	136.8	162.6	70.0	155.0	28.7	3.1	1.0
S. I. KARNATAKA	3.6	0.4	3.2	8.8	92.0	172.2	196.5	85.9	62.8	21.9	9.1	31.0
KERALA	3.0	16.4	22.4	33.3	258.4	595.7	441.5	231.0	84.1	105.1	57.9	22.0
LAKSHADWEEP	59.6	12.1	3.2	2.6	77.4	321.1	262.6	86.2	75.6	58.6	32.0	74.7

It may be observed (Table 14) that in the month of April, only one meteorological subdivision i.e. Assam & Meghalaya was with Large Excess category of rainfall and 31 meteorological subdivisions out of the 36 remained in Deficient/Large Deficient category, rest four were in the Normal category of rainfall. Particularly, all the meteorological subdivisions of Central India and South Peninsula remained Deficient or Large Deficient during the month of April. Similarly, in the month of November, each of the Large Excess, Excess or Normal rainfall categories had only one Met. Subdivision in it and that also from E & NE region only. Rest of the 33 met. Subdivisions belonging to Central India, NW India and South Peninsula remained in Deficient/ Large Deficient or No Rain category of rainfall. Gujarat region remained in Deficient/ Large Deficient or No Rain category of rainfall continuously for seven months from January to July in the year 2016.

Table 14: % Departures of subdivision-wise monthly rainfall - Year 2016

METEOROLOGICAL SUBDIVISIONS	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
A & N ISLAND	34%	-46%	-78%	-97%	-47%	-2%	-26%	-44%	40%	-3%	-28%	267%
ARUNACHAL PRADESH	-41%	-25%	-29%	19%	-4%	-24%	16%	-60%	43%	-6%	-82%	-88%
ASSAM & MEGHALAYA	15%	-48%	-17%	81%	1%	-27%	-10%	-55%	-17%	-12%	34%	-37%
N M M T	-38%	11%	-25%	-9%	7%	-30%	-21%	-16%	2%	-36%	78%	-86%
SHWB & SIKKIM	-22%	-79%	55%	-18%	-13%	18%	19%	-58%	21%	1%	-99%	-98%
GANGETIC WEST BENGAL	-27%	82%	-48%	-86%	18%	-29%	1%	33%	-16%	-46%	-18%	-100%
ODISHA	-79%	-21%	-44%	-77%	7%	-23%	-17%	-11%	12%	-16%	-62%	-90%
JHARKHAND	-22%	-56%	2%	-95%	66%	-38%	-10%	25%	18%	-39%	-100%	-100%
BIHAR	-30%	-94%	-44%	-76%	64%	-24%	4%	-48%	60%	-6%	-100%	-100%
EAST U.P.	-68%	-89%	5%	-99%	131%	-28%	13%	-24%	-24%	-47%	-100%	-100%
WEST U.P.	-89%	-87%	-8%	-90%	114%	-16%	37%	-37%	-70%	-77%	-100%	-100%
UTTARAKHAND	-90%	-46%	-20%	-70%	53%	4%	19%	-28%	-46%	-78%	-100%	-84%
HAR. CHD & DELHI	-99%	-92%	63%	-92%	91%	-22%	-4%	-23%	-82%	-71%	-99%	-86%
PUNJAB	-74%	-75%	37%	-94%	58%	18%	-18%	-15%	-81%	-92%	-91%	-92%
HIMACHAL PRADESH	-81%	-61%	0%	-27%	7%	6%	-37%	-4%	-59%	-88%	-100%	-95%
JAMMU & KASHMIR	-64%	-62%	26%	-16%	-24%	-2%	0%	-2%	-51%	-92%	-99%	-90%
WEST RAJASTHAN	-96%	-65%	76%	-91%	-64%	11%	-22%	115%	-73%	235%	-100%	-100%
EAST RAJASTHAN	-89%	-92%	2%	-100%	-12%	-1%	45%	69%	-60%	93%	-99%	-100%
WEST MADHYA PRADESH	-39%	-97%	-48%	-100%	45%	5%	48%	28%	-41%	18%	-100%	-100%

METEOROLOGICAL SUBDIVISIONS	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
EAST MADHYA PRADESH	1%	-86%	41%	-98%	152%	-26%	59%	25%	-30%	-23%	-100%	-100%
GUJARAT REGION	-100%	-100%	-46%	-100%	-92%	-76%	-25%	8%	-34%	186%	-99%	-100%
SAURASHTRA & KUTCH	-100%	-100%	-78%	-100%	-59%	-64%	-42%	71%	-22%	257%	-100%	-100%
KONKAN & GOA	-100%	891%	19622%	-90%	-94%	16%	19%	7%	74%	-12%	-91%	-98%
MADHYA MAHARASHTRA	-100%	-12%	162%	-84%	-70%	-31%	32%	23%	13%	-21%	-95%	-85%
MARATHWADA	-100%	5%	90%	-53%	-65%	10%	47%	-53%	84%	39%	-100%	-98%
VIDARBHA	-93%	-26%	67%	-34%	10%	-2%	57%	-47%	35%	26%	-100%	-100%
CHHATTISGARH	-42%	-65%	93%	-70%	-1%	-12%	-4%	-5%	37%	26%	-100%	-100%
COASTAL ANDHRA PRADESH	-80%	-92%	-67%	-86%	88%	82%	-18%	-21%	41%	-69%	-88%	34%
TELANGANA	-80%	-96%	22%	-74%	78%	43%	-1%	-39%	107%	-24%	-98%	-92%
RAYALASEEMA	164%	-100%	-87%	-98%	45%	90%	39%	-60%	-32%	-89%	-92%	130%
TAMILNADU & PONDICHERRY	-86%	-94%	-83%	-85%	52%	37%	28%	-37%	-58%	-63%	-80%	-24%
COASTAL KARNATAKA	-33%	-100%	-95%	-87%	-36%	11%	-34%	-38%	-25%	-59%	-76%	-58%
N. I. KARNATAKA	-86%	-77%	18%	-57%	-8%	31%	20%	-42%	6%	-74%	-88%	-83%
S. I. KARNATAKA	157%	-85%	-63%	-80%	-1%	22%	-9%	-47%	-55%	-85%	-82%	144%
KERALA	-66%	5%	-26%	-70%	8%	-8%	-39%	-45%	-66%	-64%	-62%	-41%
LAKSHADWEEP	187%	-18%	-73%	-95%	-55%	-3%	-9%	-60%	-54%	-63%	-73%	27%

The statistics and chart for monthly distribution of no. of meteorological subdivisions in different categories are given below in Table 15 and Figure 29 respectively.

Table 15: Categorywise monthly number of meteorological subdivisions - Year 2016

CATEGORY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
L. EXCESS	3	2	7	1	8	2	0	3	4	4	1	3
EXCESS	1	0	5	0	5	4	10	5	6	3	1	2
NORMAL	2	5	7	4	13	17	18	8	7	8	1	0
DEFICIENT	9	7	9	4	5	11	8	17	13	8	1	4
L. DEFICIENT	16	18	8	23	5	2	0	3	6	13	19	14
NO RAIN	5	4	0	4	0	0	0	0	0	0	13	13
NO DATA	0	0	0	0	0	0	0	0	0	0	0	0

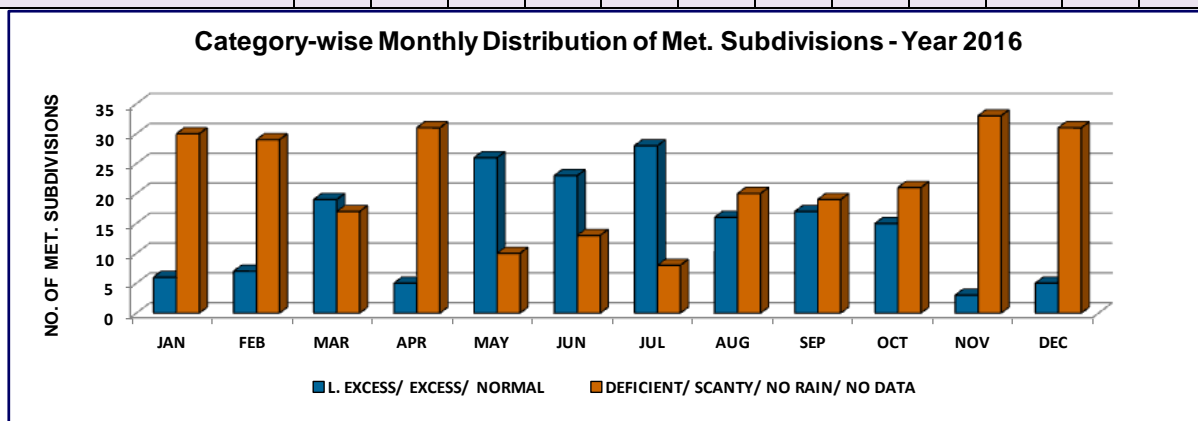


Figure 29: Categorywise distribution of Meteorological Subdivisions – Monthly - Year 2016

SUBDIVISION-WISE MONTHLY RAINFALL MAPS

Subdivision-wise rainfall maps depicting the monthly observed and normal rainfall, percent departures from the normal rainfall shaded with category-wise defined colors have been given at

Figure 30 through. Figure 41. Bold figures on the map are the normal rainfall values where as small figures indicate the actual rainfall. Percentage departures of rainfall are shown within the brackets.

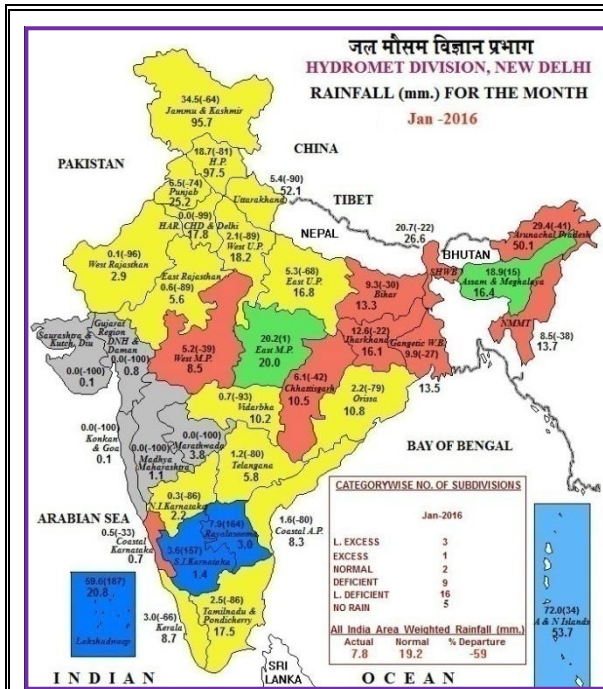


Figure 30: Rainfall map – January 2016

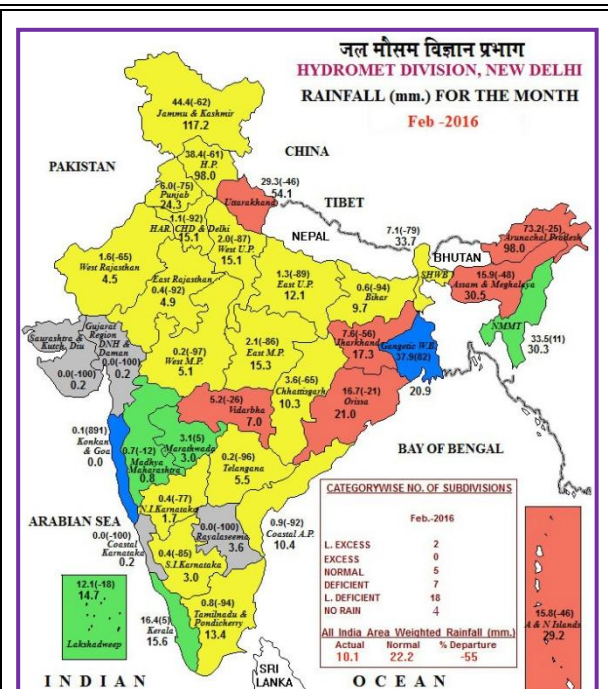


Figure 31: Rainfall map - February 2016

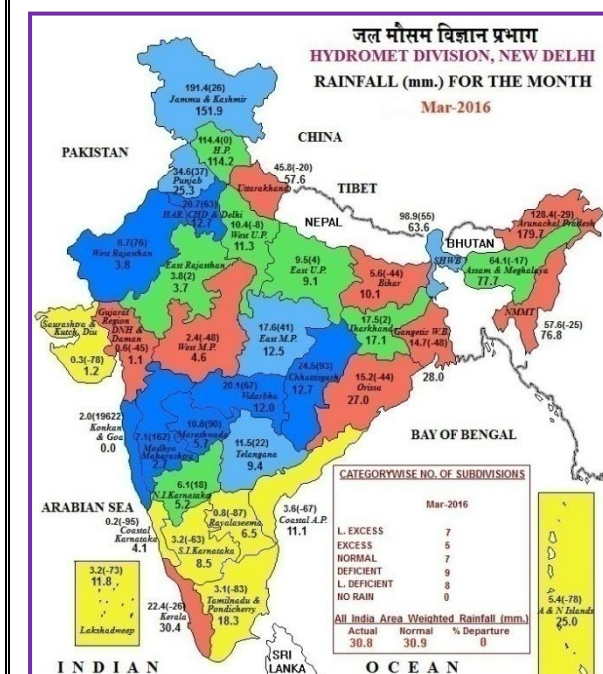


Figure 32: Rainfall map - March 2016

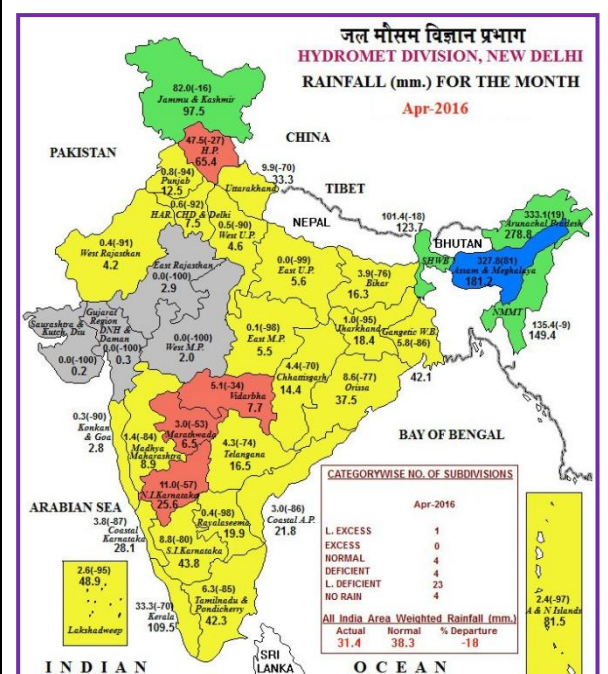


Figure 33: Rainfall map - April 2016

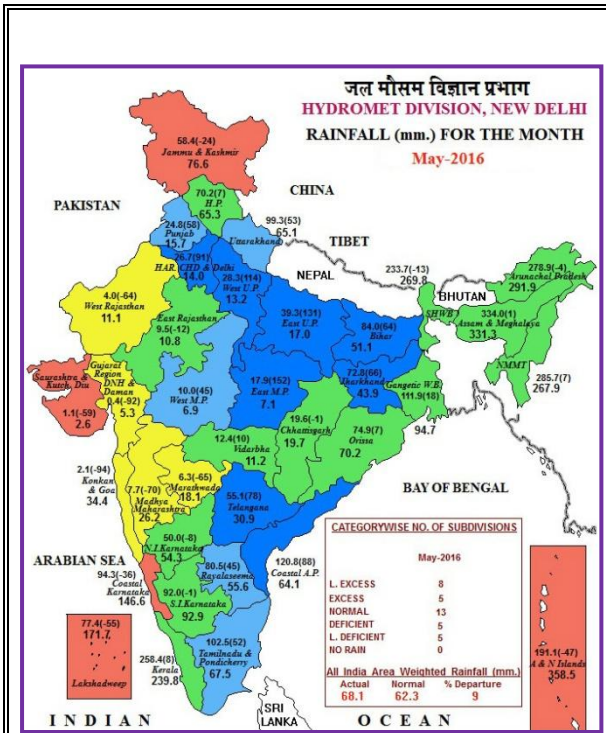


Figure 34: Rainfall map - May 2016

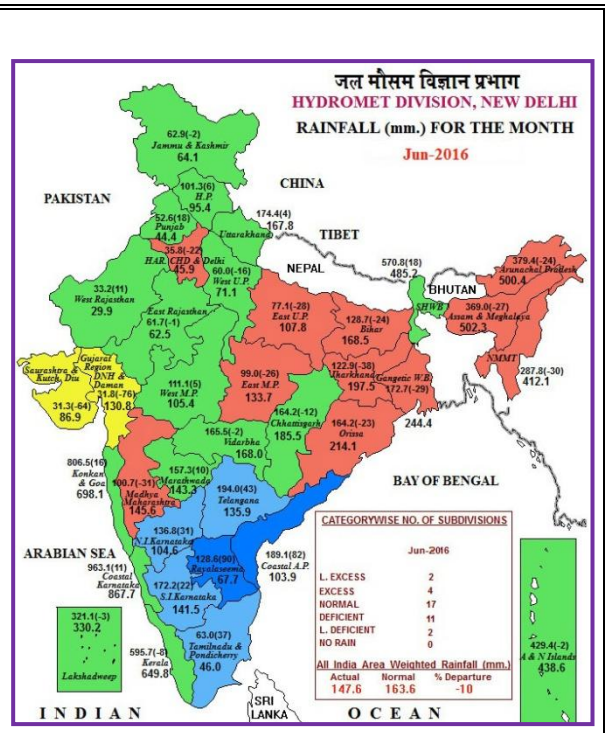


Figure 35: Rainfall map - June 2016

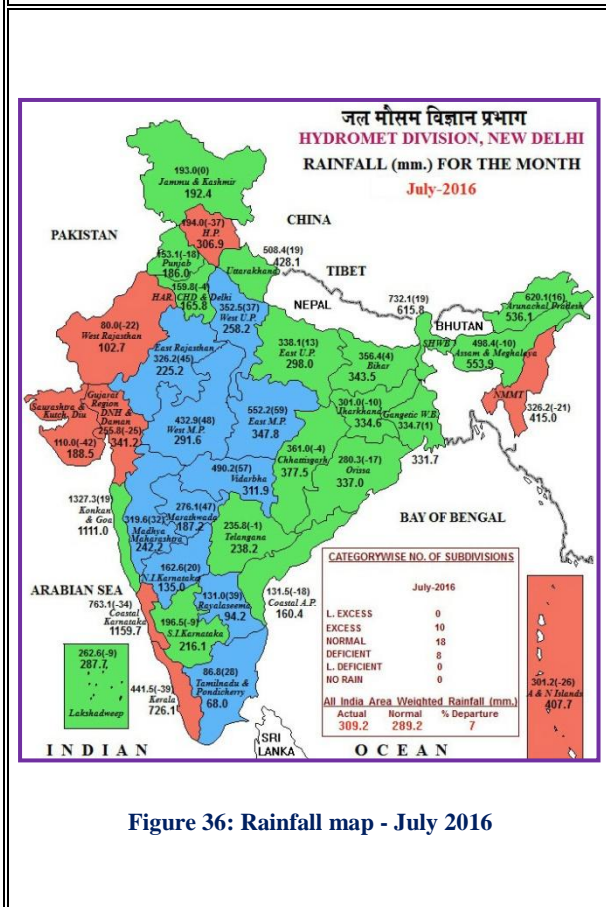


Figure 36: Rainfall map - July 2016

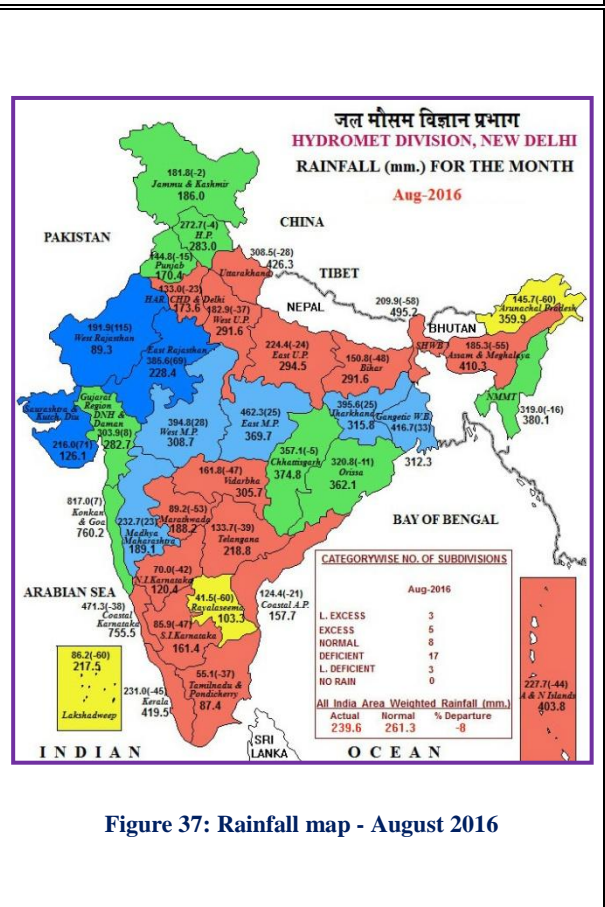


Figure 37: Rainfall map - August 2016

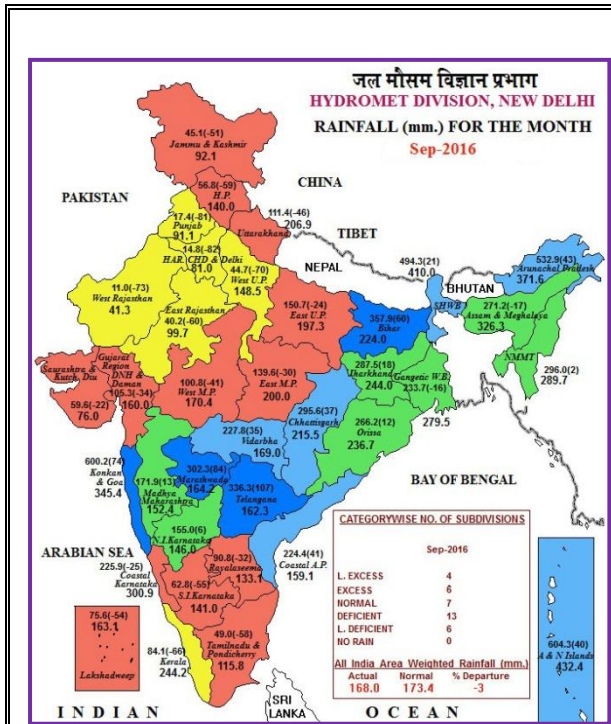


Figure 38: Rainfall map - September 2016

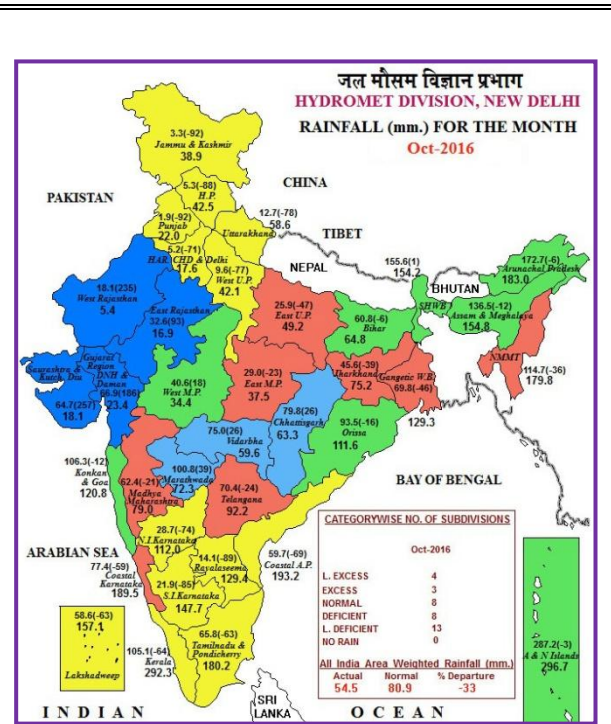


Figure 39: Rainfall map - October 2016

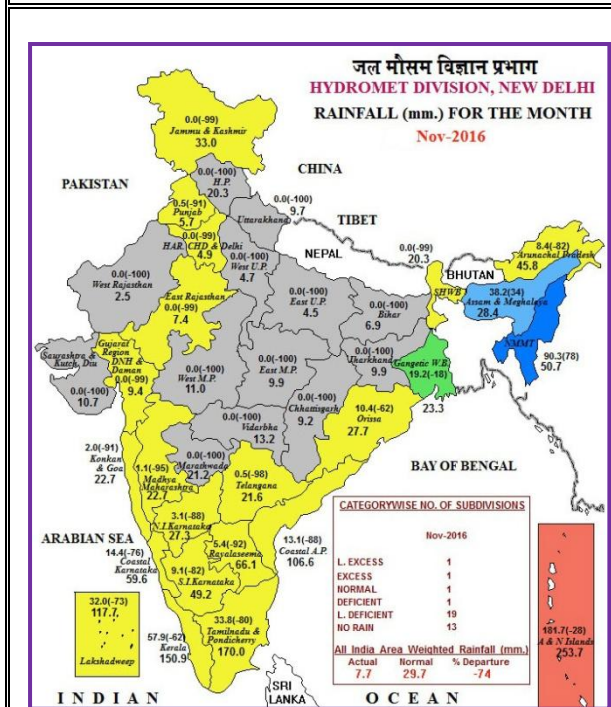


Figure 40: Rainfall map - November 2016

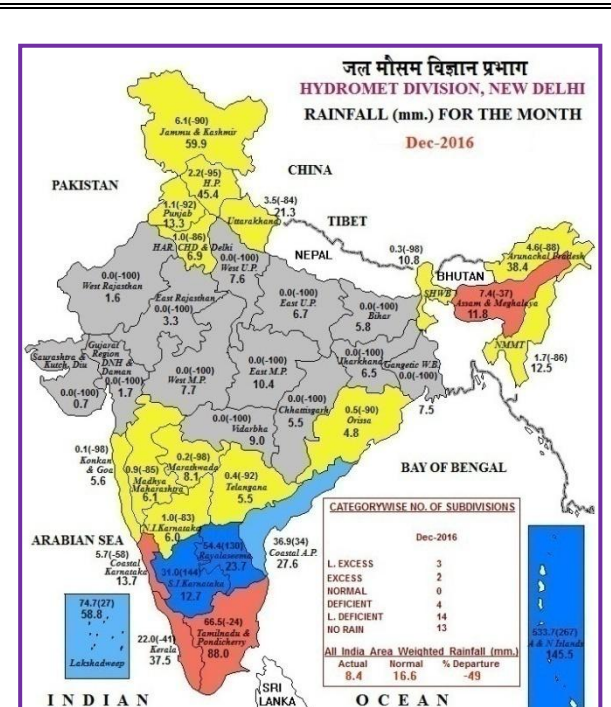


Figure 41: Rainfall map - December 2016

SUBDIVISION-WISE DAILY RAINFALL DISTRIBUTION – SW MONSOON 2016

Daily observed rainfall distributions for each of the 36 subdivisions along with their daily rainfall normals, region-wise, have been depicted in Figure 42 through Figure 77. It can be seen from the temporal distribution of rainfall that the Subdivisions of NW India experienced dry spells of rainfall starting from 3/4 Sept. till the end of Sept. except for one or two days. The subdivisions of East and West M.P. experienced the extensive dry spells of rainfall during first two weeks of September. The subdivisions Madhya Maharashtra, Marathwada and Vidarbha experienced dry spells of rainfall from 2nd week of Aug. to 2nd week of Sept. except for a short spell of rainfall near the end of Aug. The subdivisions of Coastal Andhra Pradesh, Telangana, Rayalseema and Tamilnadu & Puducherry experienced dry spells of rainfall during the month of Aug., predominantly in the 2nd and 3rd weeks of the month. Kerala received less rainfall during the whole month of Sept. except for 15th and 16th Sept.

REGION: NORTH WEST INDIA

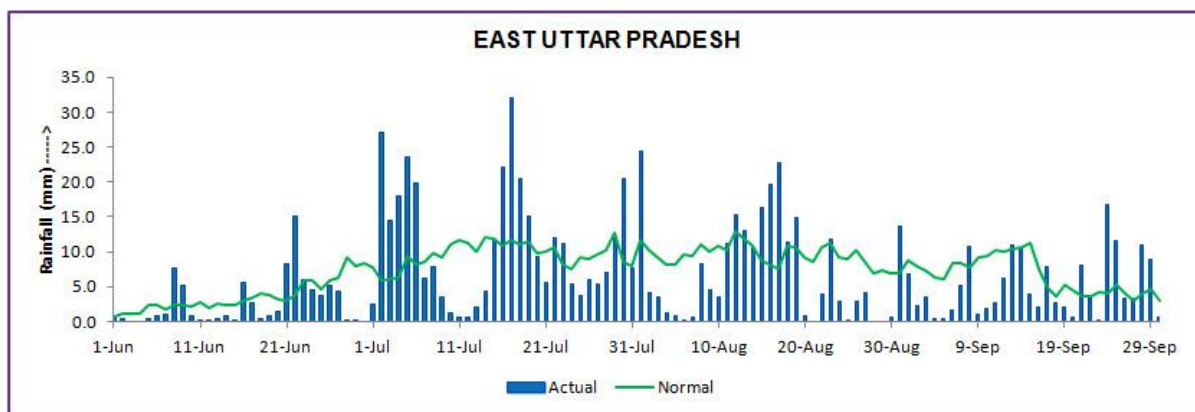


Figure 42: East Uttar Pradesh - Rainfall Distribution - SW Monsoon 2016

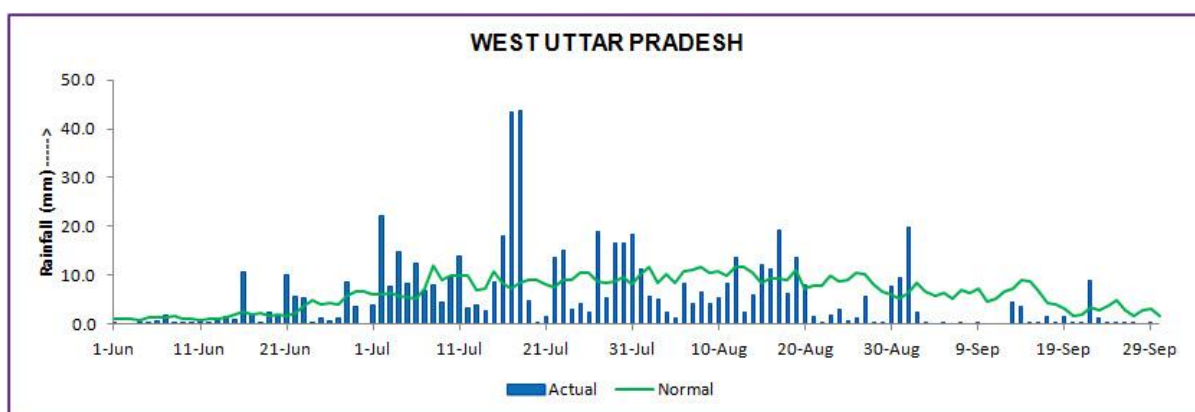


Figure 43: West Uttar Pradesh - Rainfall Distribution - SW Monsoon 2016

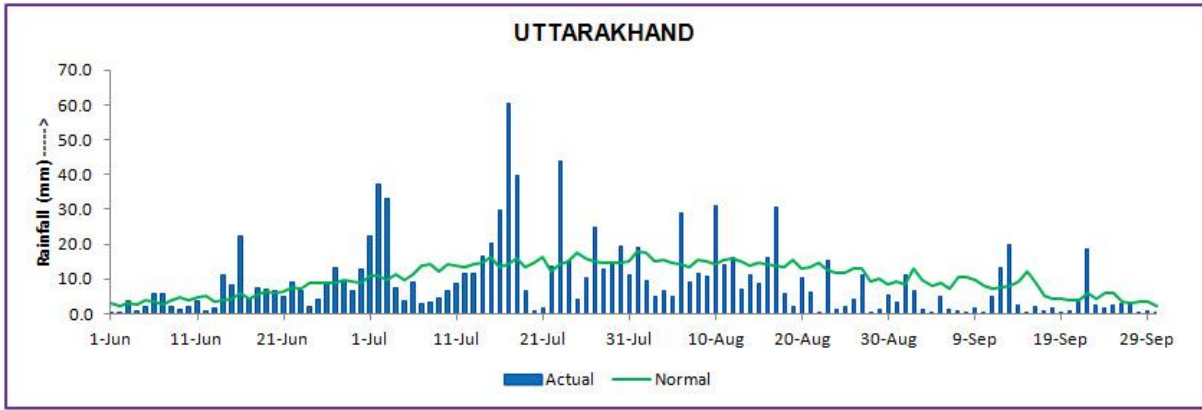


Figure 44: Uttarakhand - Rainfall Distribution - SW Monsoon 2016

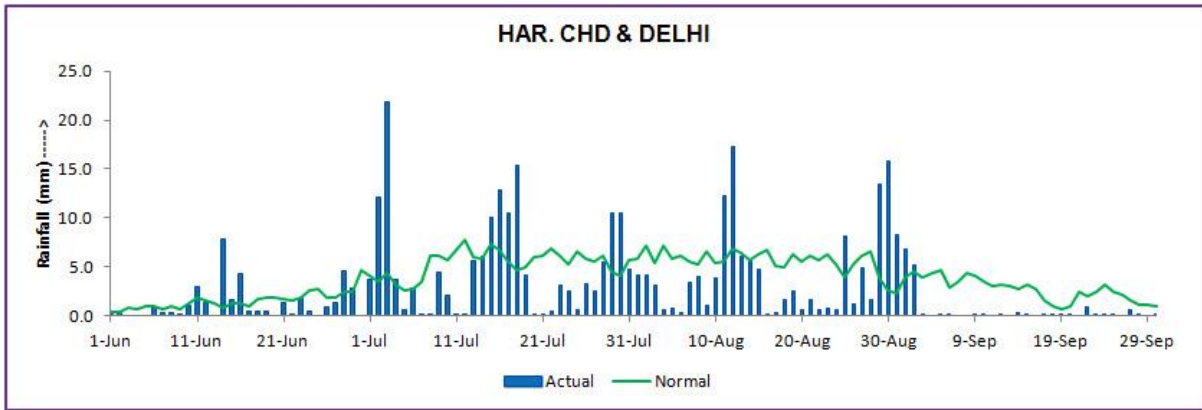


Figure 45: Haryana, Chandigarh & Delhi- Rainfall Distribution - SW Monsoon 2016

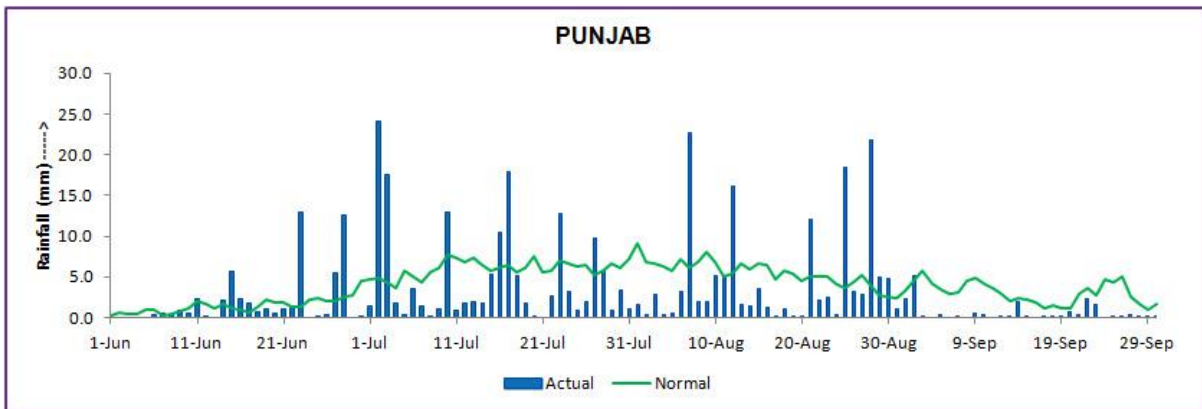


Figure 46: Punjab - Rainfall Distribution - SW Monsoon 2016

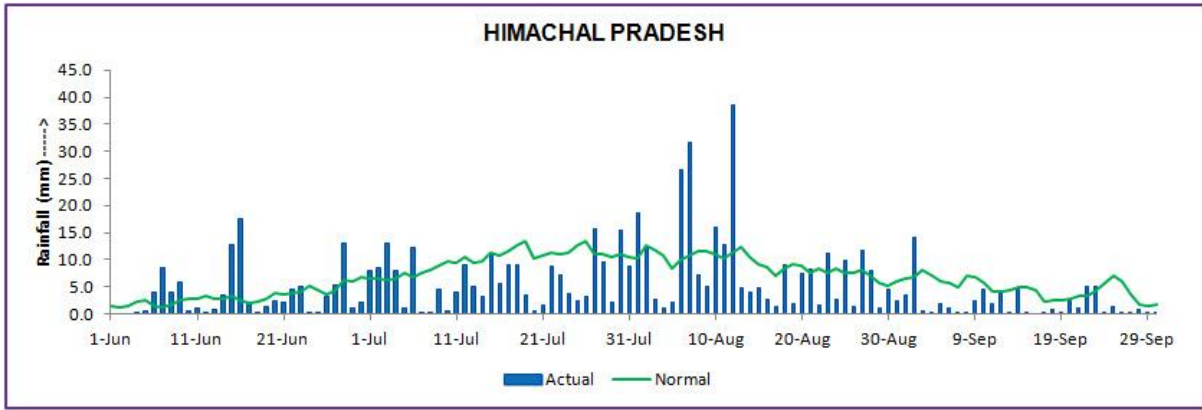


Figure 47: Himachal Pradesh - Rainfall Distribution - SW Monsoon 2016

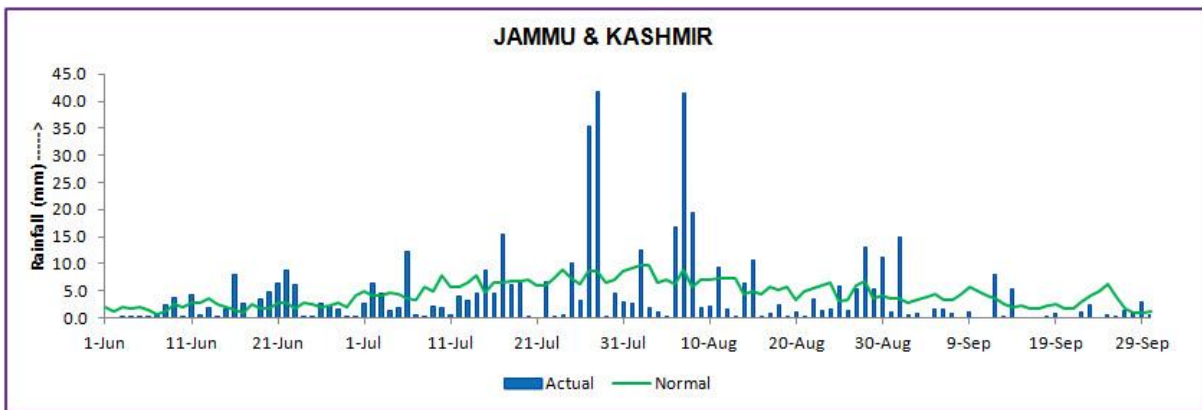


Figure 48: Jammu & Kashmir - Rainfall Distribution - SW Monsoon 2016

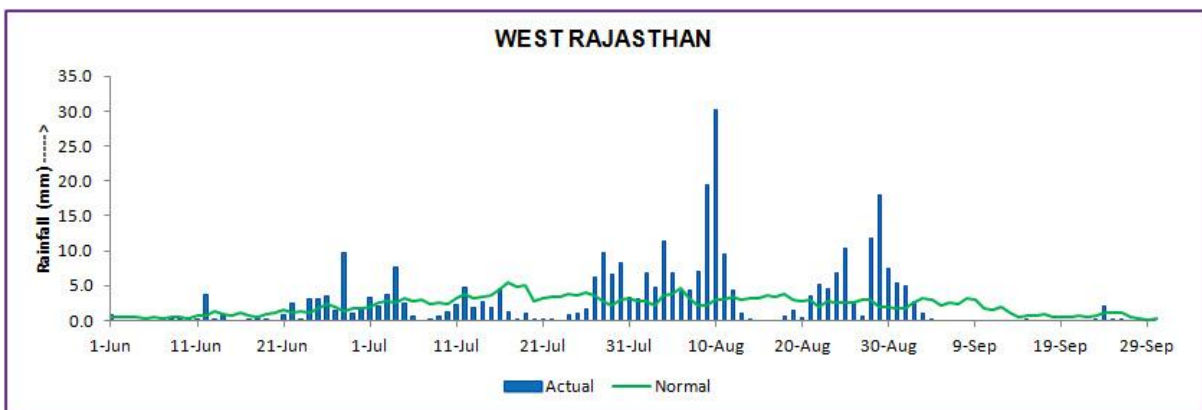


Figure 49: West Rajasthan - Rainfall Distribution - SW Monsoon 2016

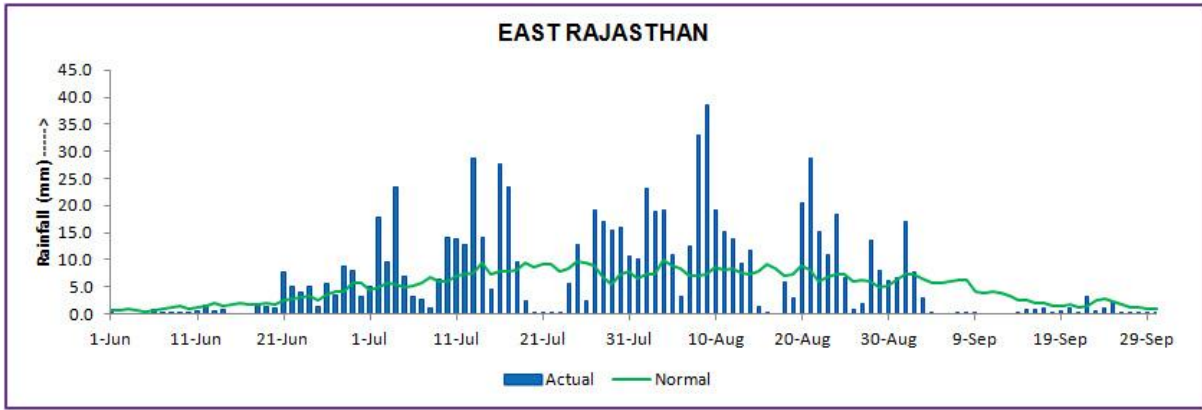


Figure 50: East Rajasthan - Rainfall Distribution - SW Monsoon 2016

REGION: CENTRAL INDIA

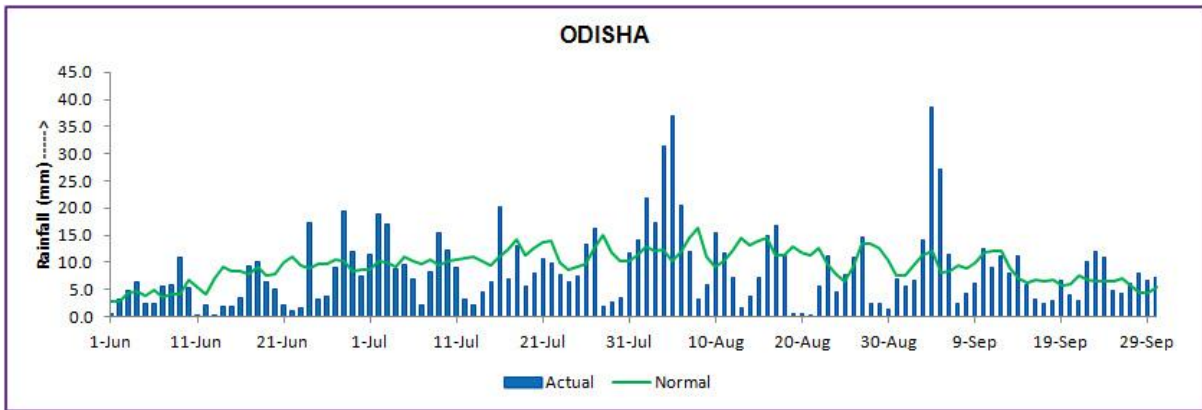


Figure 51: Odisha - Rainfall Distribution - SW Monsoon 2016

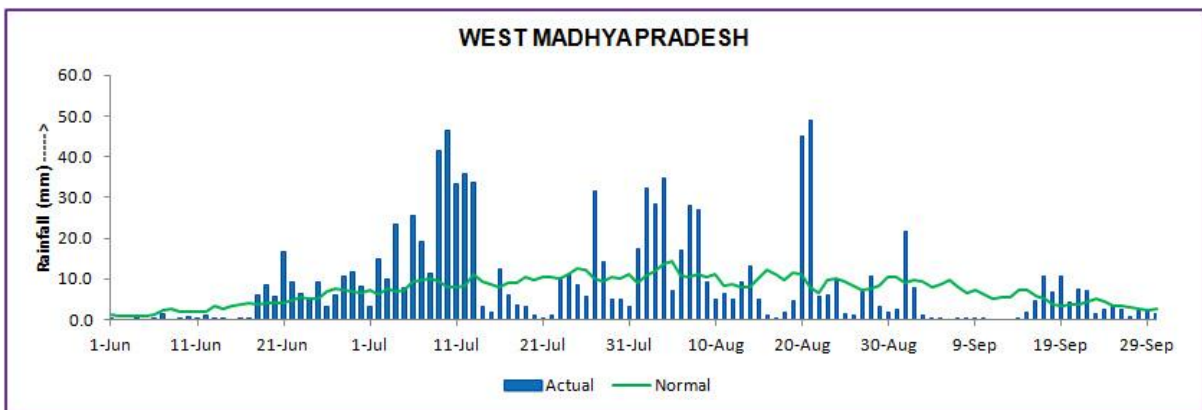


Figure 52: West Madhya Pradesh - Rainfall Distribution - SW Monsoon 2016

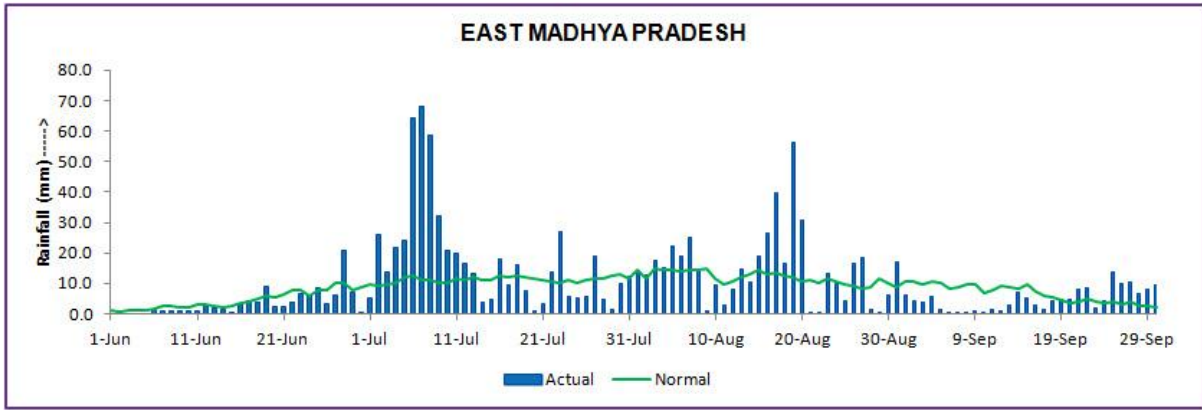


Figure 53: East Madhya Pradesh - Rainfall Distribution - SW Monsoon 2016

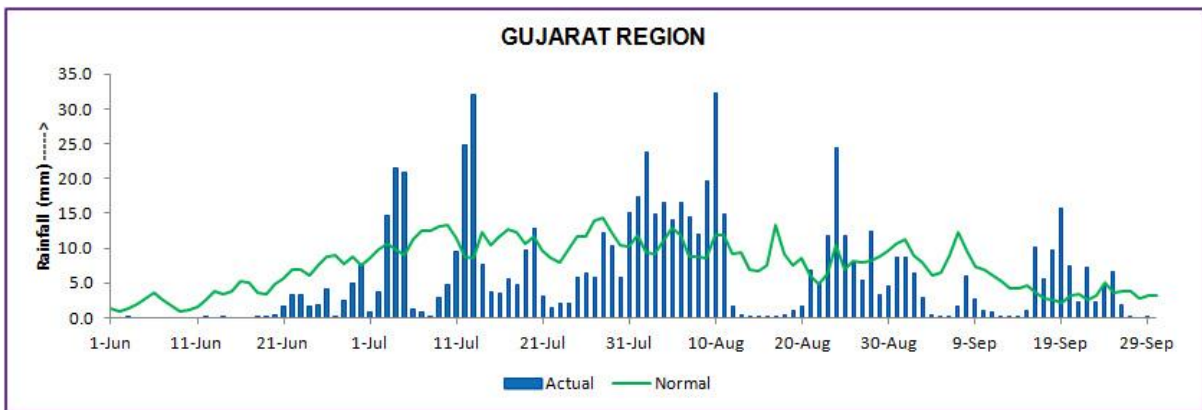


Figure 54: Gujarat Region - Rainfall Distribution - SW Monsoon 2016

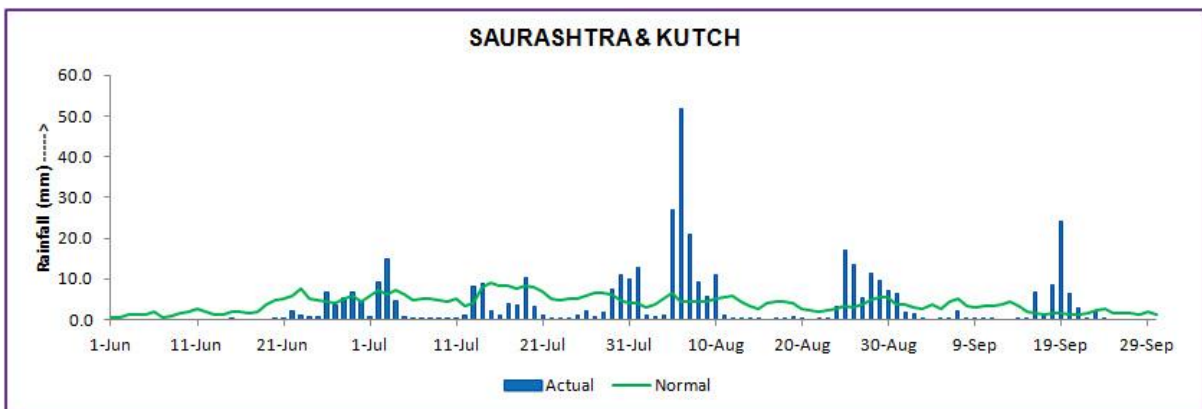


Figure 55: Saurashtra & Kutch - Rainfall Distribution - SW Monsoon 2016

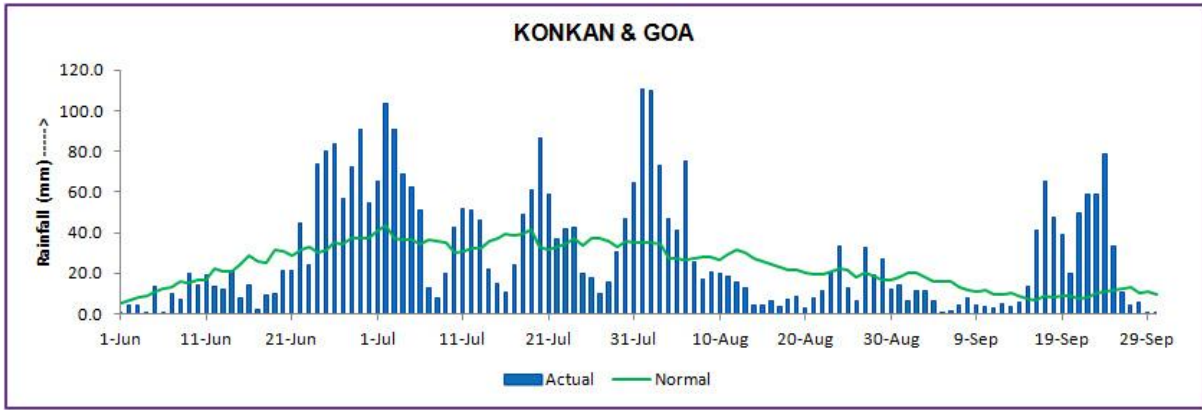


Figure 56: Konkan & Goa - Rainfall Distribution - SW Monsoon 2016

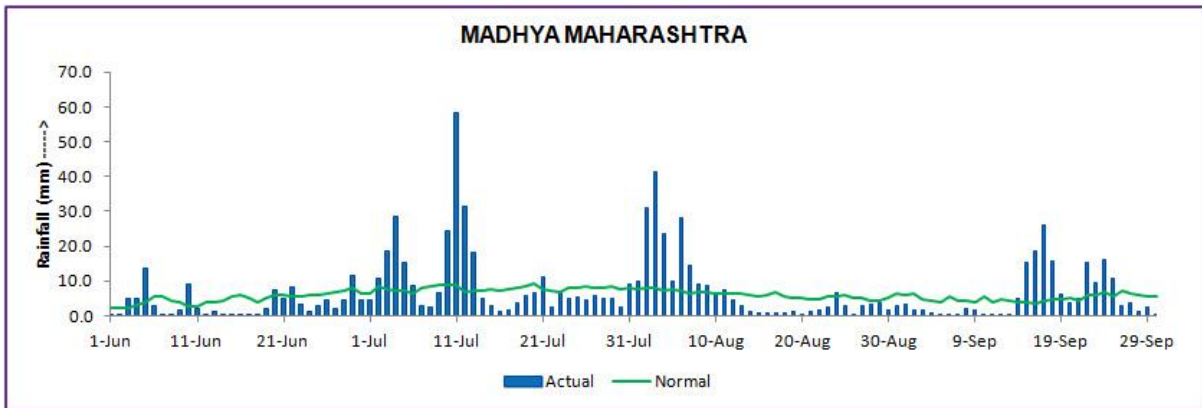


Figure 57: Madhya Maharashtra - Rainfall Distribution - SW Monsoon 2016

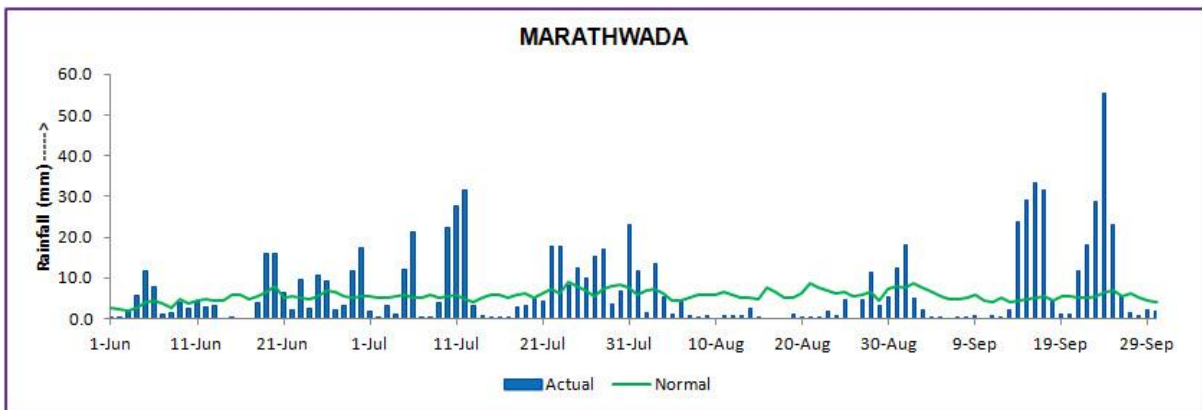


Figure 58: Marathwada - Rainfall Distribution - SW Monsoon 2016

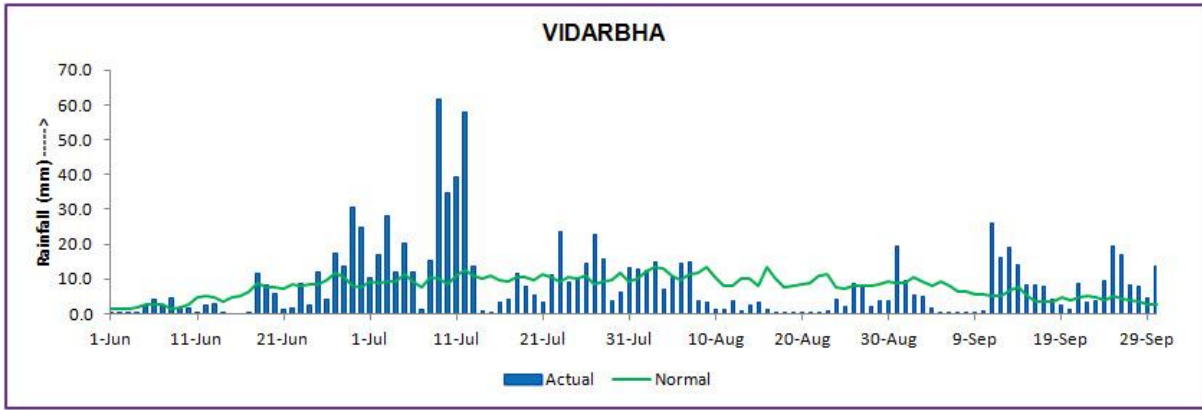


Figure 59: Vidarbha - Rainfall Distribution - SW Monsoon 2016

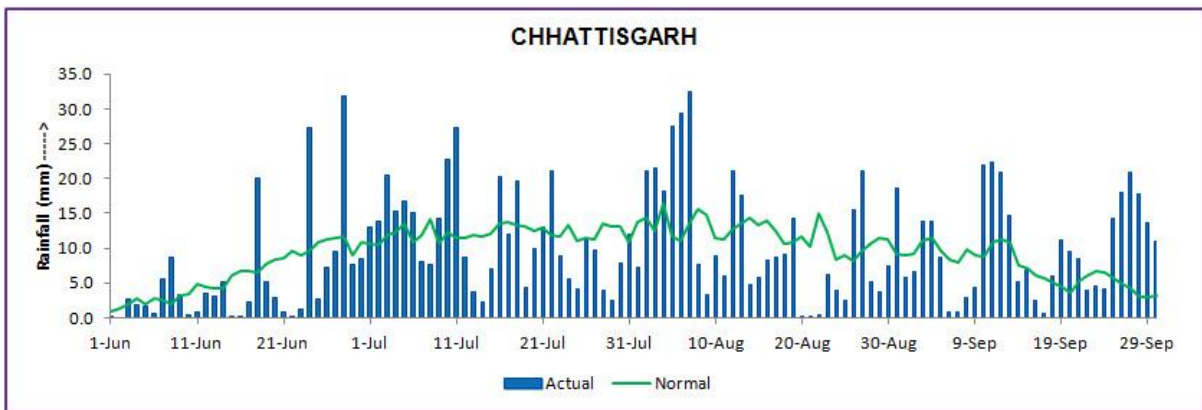


Figure 60: Chhattisgarh - Rainfall Distribution - SW Monsoon 2016

REGION: SOUTH PENINSULA

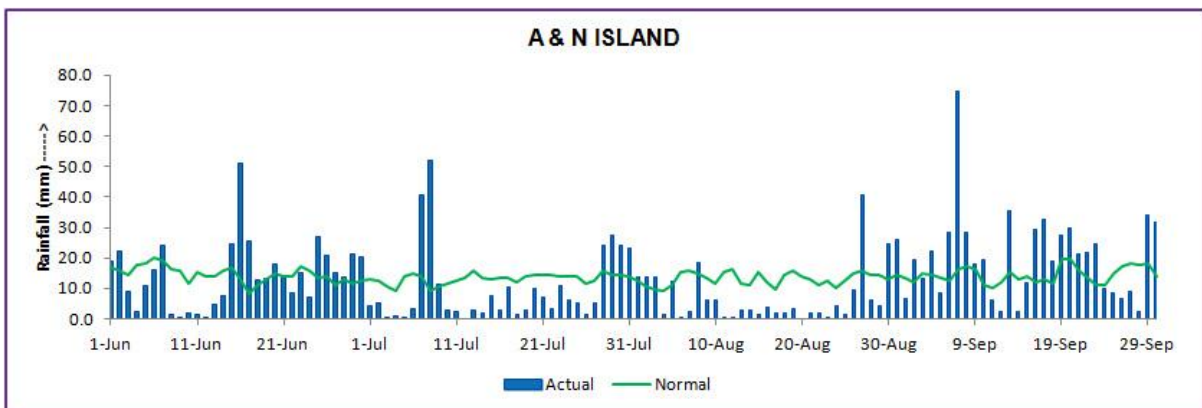


Figure 61: Andaman & Nicobar Islands - Rainfall Distribution - SW Monsoon 2016

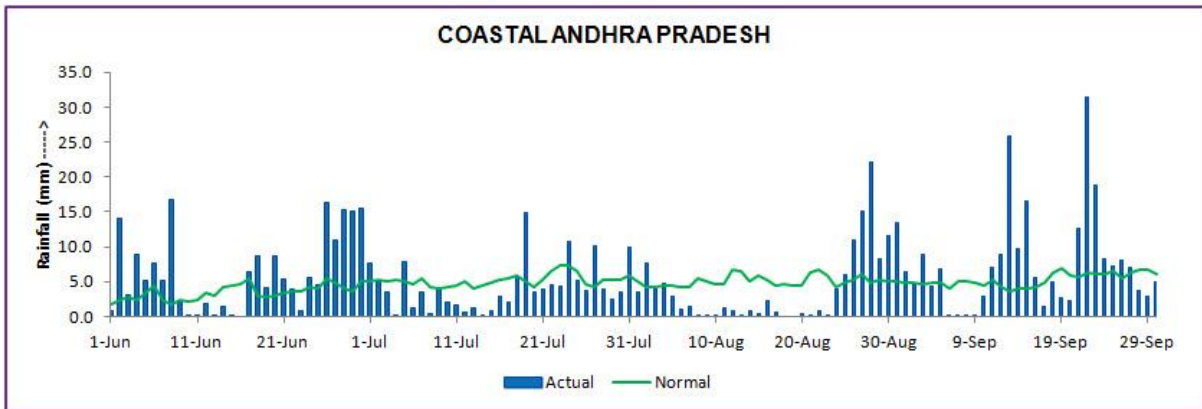


Figure 62: Coastal Andhra Pradesh - Rainfall Distribution - SW Monsoon 2016

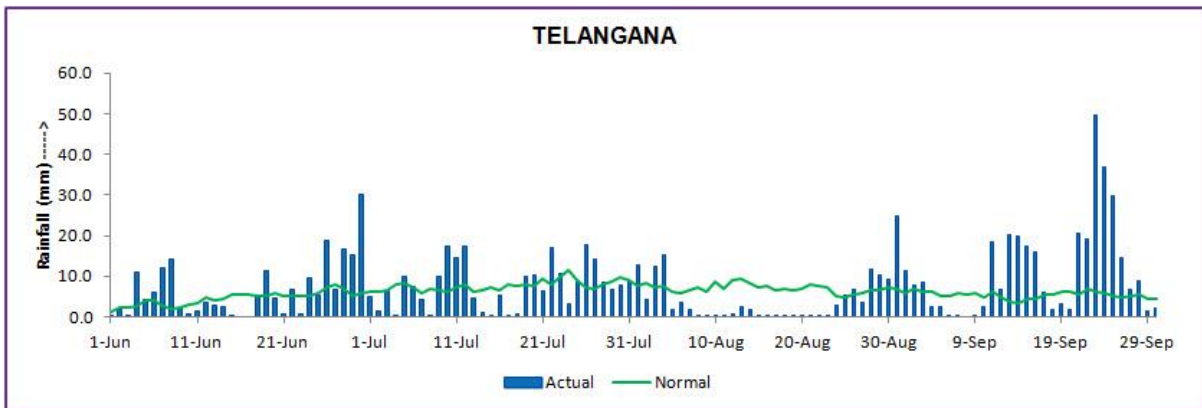


Figure 63: Telangana - Rainfall Distribution - SW Monsoon 2016

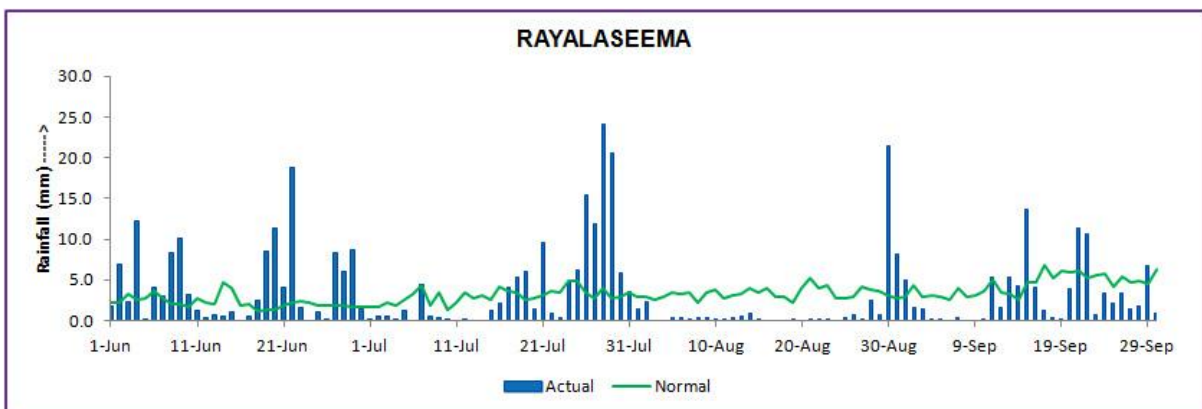


Figure 64: Rayalaseema - Rainfall Distribution - SW Monsoon 2016

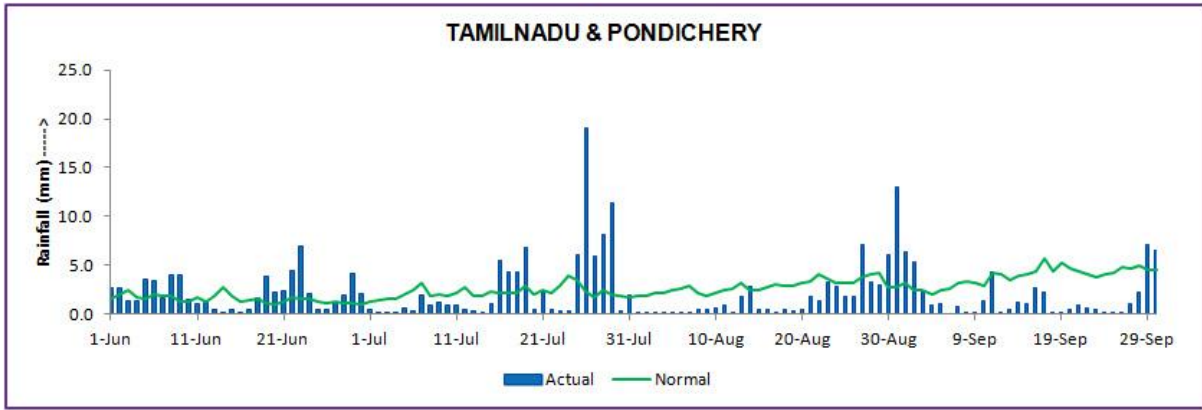


Figure 65: Tamilnadu & Pondichery - Rainfall Distribution - SW Monsoon 2016

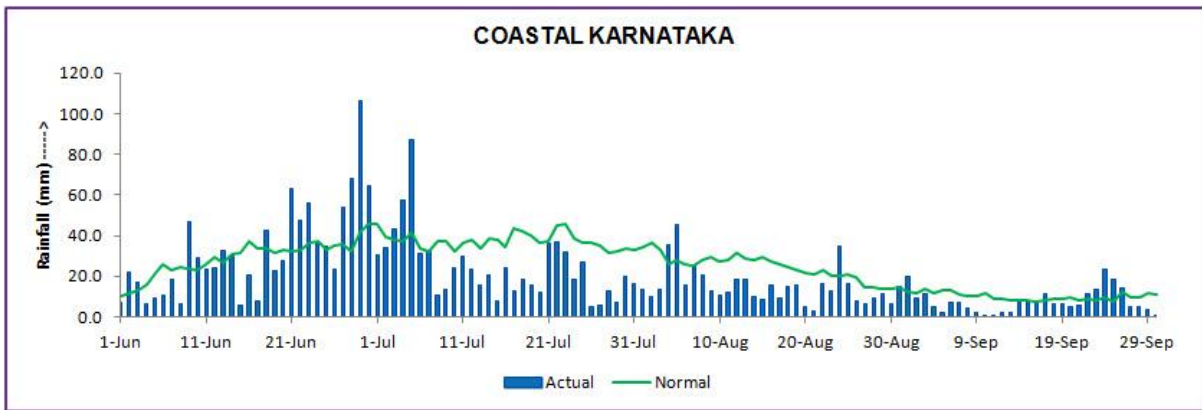


Figure 66: Coastal Karnataka - Rainfall Distribution - SW Monsoon 2016

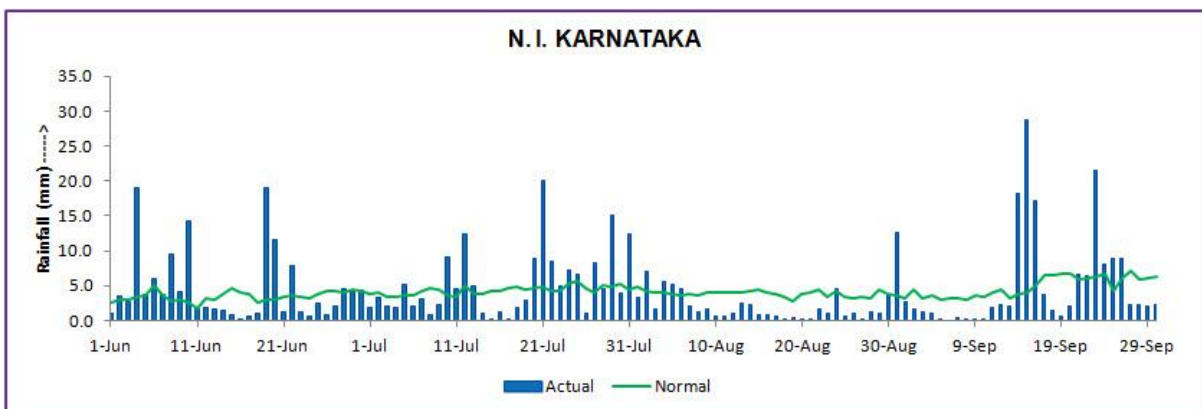


Figure 67: North Interior Karnataka - Rainfall Distribution - SW Monsoon 2016

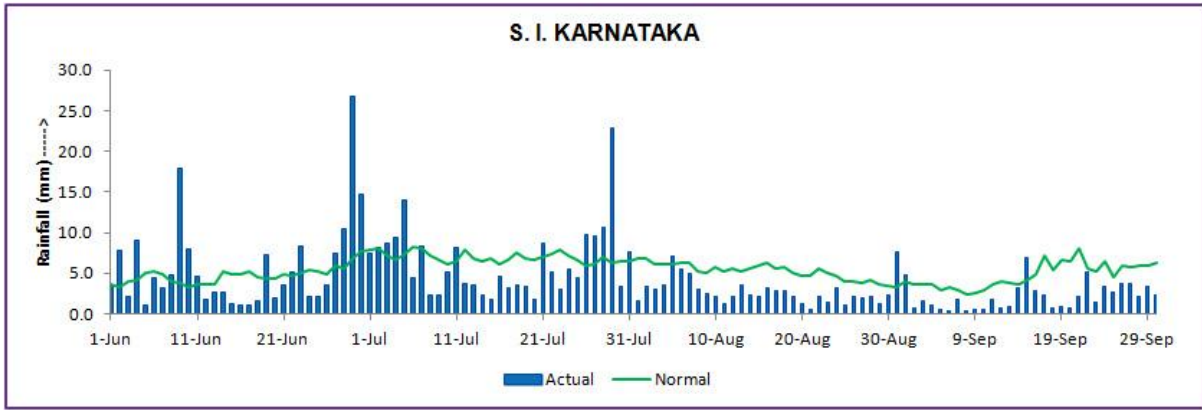


Figure 68: South Interior Karnataka - Rainfall Distribution - SW Monsoon 2016

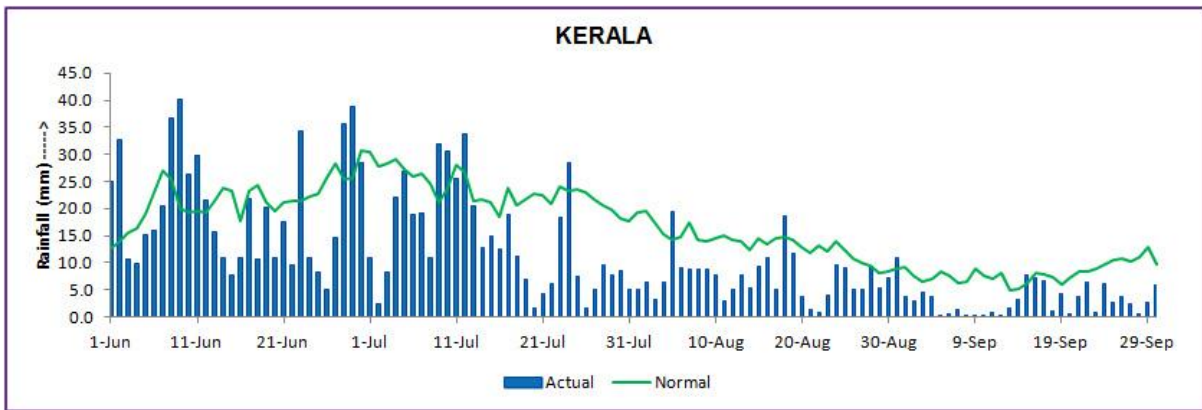


Figure 69: Kerala - Rainfall Distribution - SW Monsoon 2016

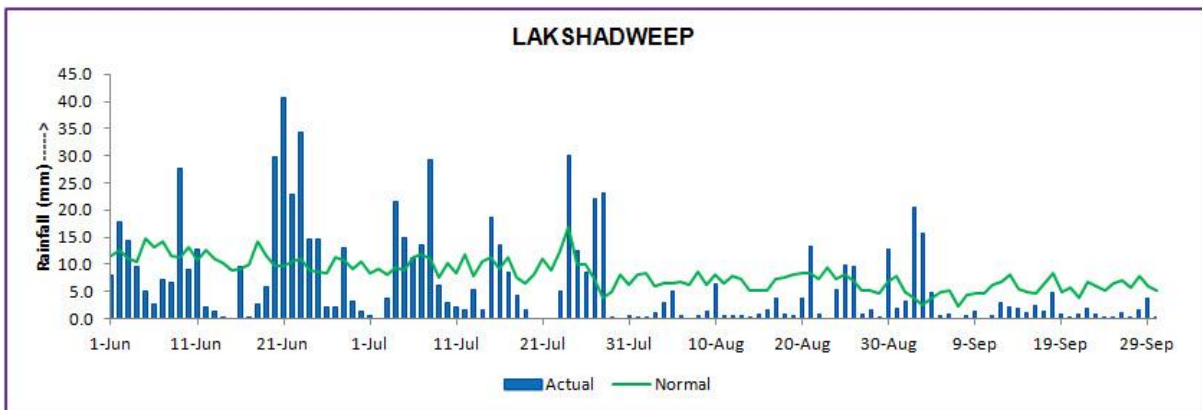


Figure 70: Lakshadweep - Rainfall Distribution - SW Monsoon 2016

REGION: EAST & NORTH EAST INDIA

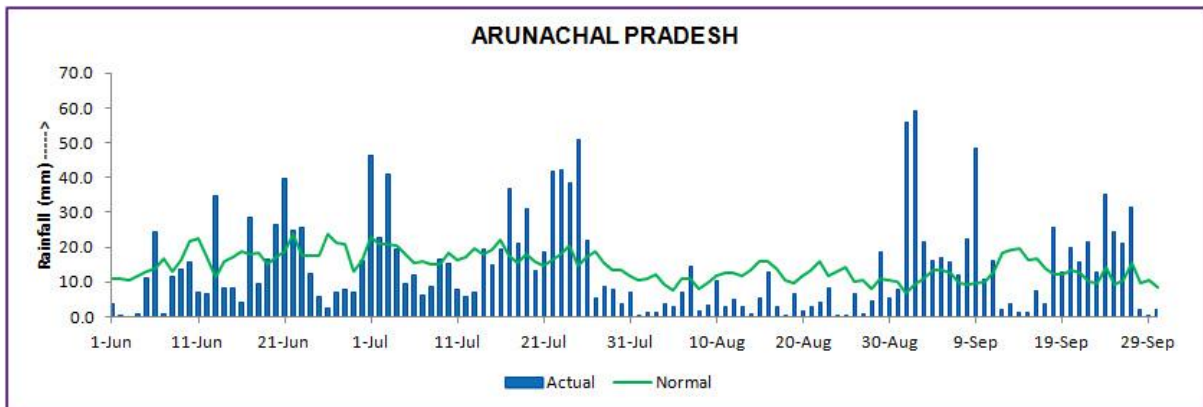


Figure 71: Arunachal Pradesh - Rainfall Distribution - SW Monsoon 2016

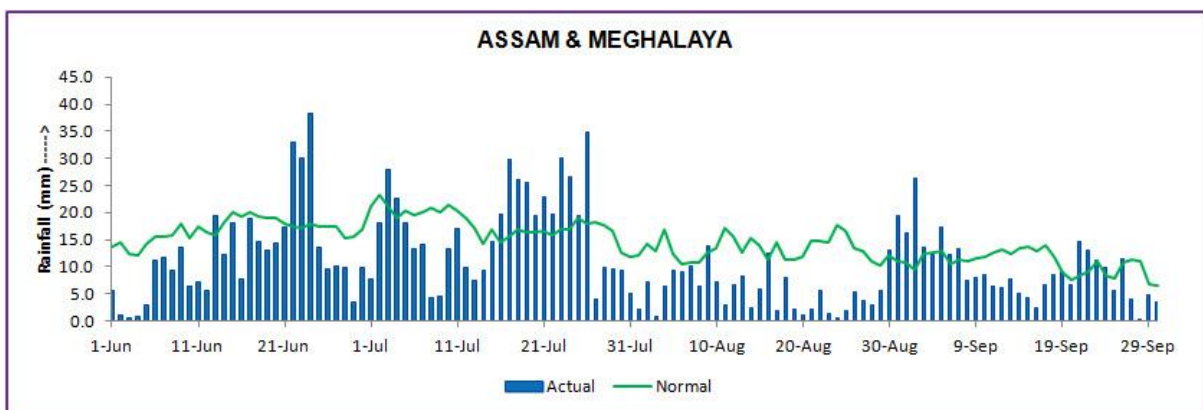


Figure 72: Assam & Meghalaya - Rainfall Distribution - SW Monsoon 2016

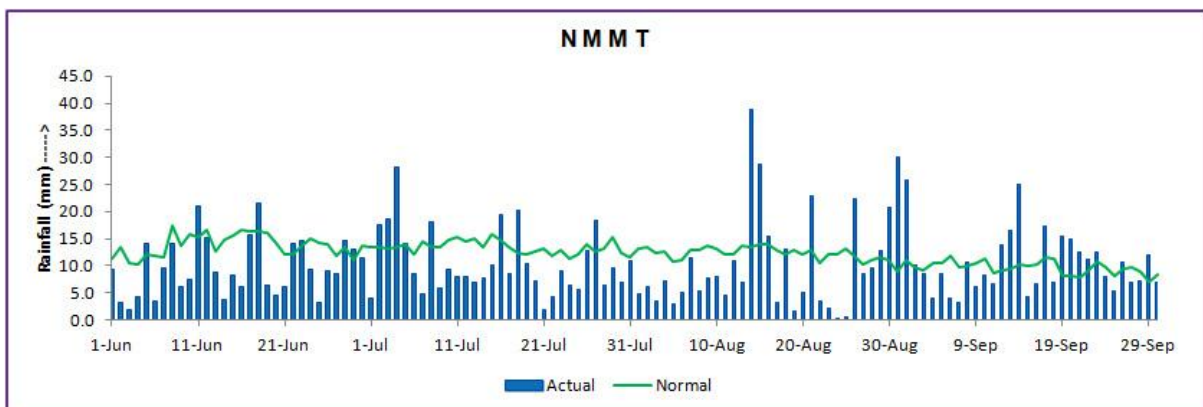


Figure 73: NMMT - Rainfall Distribution - SW Monsoon 2016

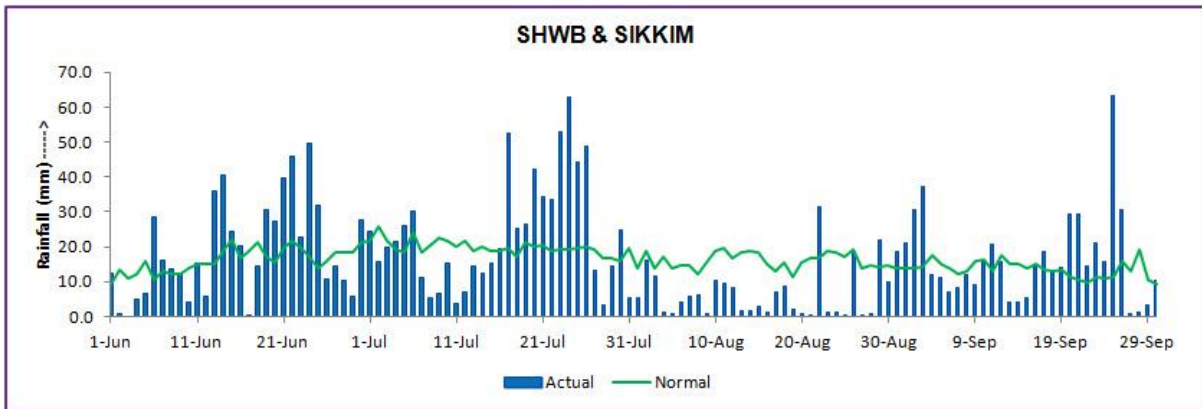


Figure 74: Sub Himalayan West Bengal & Sikkim - Rainfall Distribution - SW Monsoon 2016

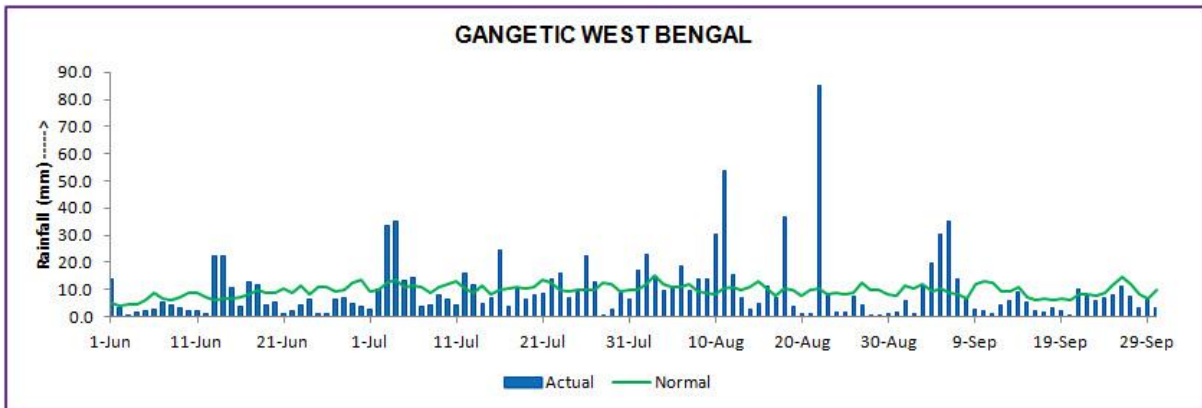


Figure 75: Gangetic West Bengal - Rainfall Distribution - SW Monsoon 2016

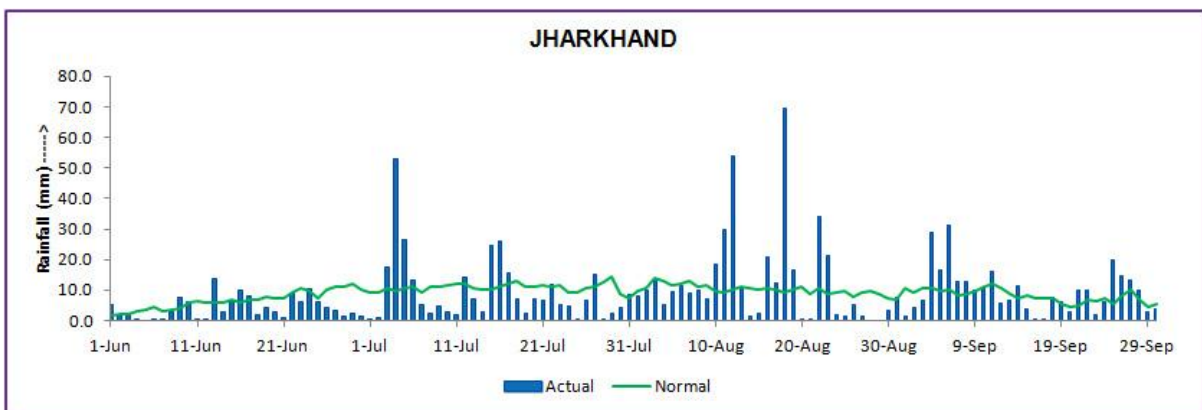


Figure 76: Jharkhand - Rainfall Distribution - SW Monsoon 2016

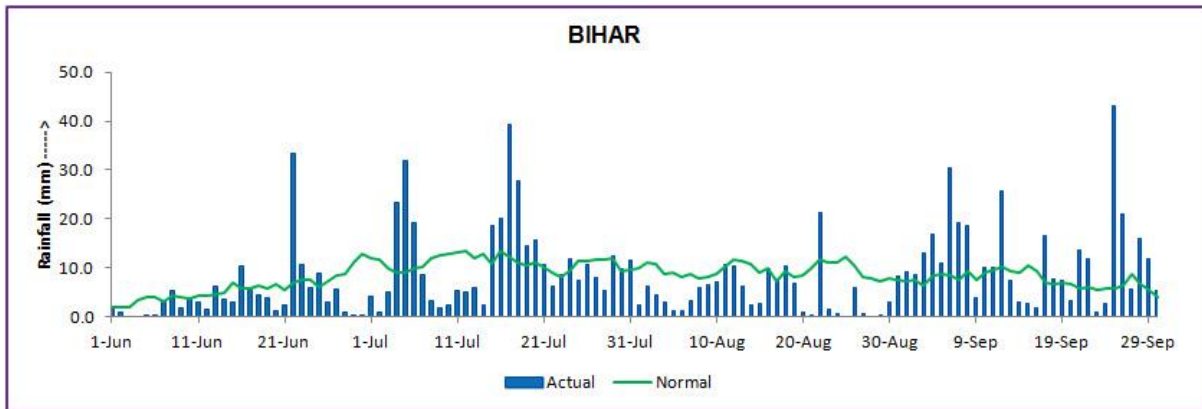


Figure 77: Bihar - Rainfall Distribution - SW Monsoon 2016

STATE-WISE SEASONAL & ANNUAL RAINFALL STATISTICS

Statewise seasonal and annual observed rainfall, and its percentage departures from normal rainfall for the states have been given in Table 16 and Table 17 respectively. It may be observed that during 2016, highest rainfall of 3065.1 mm was received at Goa and the lowest rainfall of 392.9 mm was received at Haryana. However, on comparing with Normal rainfall, it may be seen that, Rajasthan was with the highest positive departure in rainfall of 24% from its normal where as Puducherry (UT) remained with highest negative departure of 53% of its normal rainfall. Goa recorded departure of negative 6% in rainfall and Haryana remained at 29% deficiency in rainfall.

Table 16: State-wise Seasonal and Annual Rainfall (mm) - Year 2016

STATES / UTs	WINTER	PRE-MONSOON	MONSOON	POST-MONSOON	ANNUAL
A & N ISLAND (UT)	87.8	198.9	1562.6	1002.6	2851.9
ARUNACHAL PRADESH	102.6	740.4	1678.2	185.7	2706.9
ASSAM	39.9	755.5	1190.6	154.4	2140.5
MEGHALAYA	16.1	617.8	1976.0	281.5	2891.5
NAGALAND	29.7	204.7	984.4	146.1	1364.9
MANIPUR	46.3	306.6	1260.2	164.2	1777.4
MIZORAM	32.5	519.4	1475.3	206.4	2233.5
TRIPURA	66.1	838.4	1188.9	288.5	2381.9
SIKKIM	76.9	733.4	1818.0	128.3	2756.6
WEST BENGAL	39.4	173.5	1382.1	107.7	1702.6
ODISHA	18.9	98.7	1031.5	104.4	1253.5
JHARKHAND	20.2	91.3	1107.0	45.6	1264.0
BIHAR	9.9	93.5	993.9	60.8	1158.0
UTTAR PRADESH	5.6	45.0	731.5	19.5	801.7
UTTARAKHAND	34.6	155.0	1102.7	16.2	1308.6
HARYANA	1.2	48.1	337.5	6.2	392.9
CHANDIGARH (UT)	1.3	133.2	456.9	22.9	614.3
DELHI	1.1	40.5	522.7	3.5	567.9
PUNJAB	12.5	60.2	367.9	3.4	444.0
HIMACHAL PRADESH	57.2	232.1	624.8	7.5	921.5

STATES / UTs	WINTER	PRE-MONSOON	MONSOON	POST-MONSOON	ANNUAL
JAMMU & KASHMIR	78.8	331.8	482.7	9.4	902.8
RAJASTHAN	1.4	12.1	536.4	24.5	574.4
MADHYA PRADESH	12.7	22.5	1132.4	35.6	1203.2
GUJARAT	0.0	1.2	538.0	65.7	604.9
DADRA & NAGAR HAVELI (UT)			2732.4		
DAMAN & DIU (UT)	0.0	0.4	1803.4	54.2	1858.0
GOA	0.0	8.9	2960.2	95.9	3065.1
MAHARASHTRA	2.8	22.8	1167.3	79.9	1272.8
CHHATISGARH	9.8	48.5	1177.8	79.8	1315.8
ANDHRA PRADESH	4.8	108.2	552.8	94.6	760.4
TELANGANA	1.4	70.9	899.8	71.3	1043.4
TAMILNADU	3.3	111.8	253.6	165.9	534.6
PUDUCHERRY (UT)	0.7	125.7	337.3	191.9	655.6
KARNATAKA	2.3	88.1	706.3	53.3	849.9
KERALA	19.3	314.2	1352.3	185.0	1870.9
LAKSHADWEEP (UT)	71.7	83.2	745.4	165.4	1065.7

It may be observed (Table 15) that the states of Nagaland, Haryana, Chandigarh (UT), Punjab, Himachal Pradesh, Tamilnadu, Karnataka Kerala and Lakshadweep (UT) remained in Deficient/ Large Deficient category of rainfall atleast for three of the seasons as well as annually. None of the states recorded Excess/Normal rainfall for all the seasons. During South West Monsoon season only two states, Rajasthan and Dadra & Nagar Haveli recorded Excess rainfall.

Table 17: % Departures of State-wise Seasonal and Annual Rainfall - Year 2016

STATES/ UTs	WINTER	PRE-MONSOON	MONSOON	POST-MONSOON	ANNUAL
A & N ISLAND (UT)	6%	-57%	-7%	44%	-3%
ARUNACHAL PRADESH	-31%	-1%	-5%	-30%	-8%
ASSAM	-18%	36%	-22%	-9%	-7%
MEGHALAYA	-60%	-14%	-29%	-4%	-25%
NAGALAND	-38%	-51%	-26%	-13%	-30%
MANIPUR	1%	-14%	-10%	-29%	-13%
MIZORAM	-17%	-8%	-14%	-35%	-15%
TRIPURA	48%	18%	-20%	25%	-4%
SIKKIM	-46%	1%	1%	-57%	-7%
WEST BENGAL	16%	-19%	-1%	-31%	-5%
ODISHA	-41%	-27%	-10%	-28%	-14%
JHARKHAND	-39%	15%	1%	-50%	-2%
BIHAR	-57%	21%	-3%	-22%	-4%
UTTAR PRADESH	-82%	48%	-14%	-66%	-17%
UTTARAKHAND	-67%	-1%	-10%	-82%	-17%
HARYANA	-96%	43%	-27%	-79%	-29%
CHANDIGARH (UT)	-98%	71%	-46%	-65%	-43%
DELHI	-97%	-7%	-18%	-90%	-24%
PUNJAB	-75%	13%	-25%	-92%	-30%
HIMACHAL PRADESH	-71%	-5%	-24%	-93%	-33%
JAMMU & KASHMIR	-63%	2%	-10%	-93%	-25%
RAJASTHAN	-85%	-33%	28%	39%	24%
MADHYA PRADESH	-45%	25%	19%	-35%	15%
GUJARAT	-100%	-77%	-20%	107%	-15%

STATES/ UTs	WINTER	PRE-MONSOON	MONSOON	POST-MONSOON	ANNUAL
DADRA & NAGAR HAVELI (UT)			26%		
DAMAN & DIU (UT)	-100%	-94%	11%	3%	11%
GOA	-100%	-91%	0%	-52%	-6%
MAHARASHTRA	-65%	-31%	16%	-22%	11%
CHHATISGARH	-53%	4%	2%	2%	1%
ANDHRA PRADESH	-64%	19%	10%	-66%	-15%
TELANGANA	-88%	25%	19%	-40%	11%
TAMILNADU	-89%	-13%	-20%	-62%	-41%
PUDUCHERRY (UT)	-99%	81%	-5%	-79%	-53%
KARNATAKA	-40%	-28%	-15%	-72%	-26%
KERALA	-20%	-17%	-34%	-62%	-36%
LAKSHADWEEP (UT)	102%	-64%	-25%	-50%	-33%

Annual rainfall statistics for the year 2016 show that, 21 states remained in Normal and 13 in deficient category of rainfall. Rainfall data for the states of Dadra & Nagar Haveli was available only during the 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 18 and Figure 78 respectively.

Table 18: Category-wise Number of States - Seasonally and Annually - Year 2016

CATEGORY	WINTER	PRE-MONSOON	MONSOON	POST-MONSOON	ANNUAL
L. EXCESS	1	2	0	1	0
EXCESS	1	6	2	3	1
NORMAL	5	17	22	5	21
DEFICIENT	10	6	12	13	13
L. DEFICIENT	15	4	0	13	0
NO RAIN	3	0	0	0	0
NO DATA	1	1	0	1	1

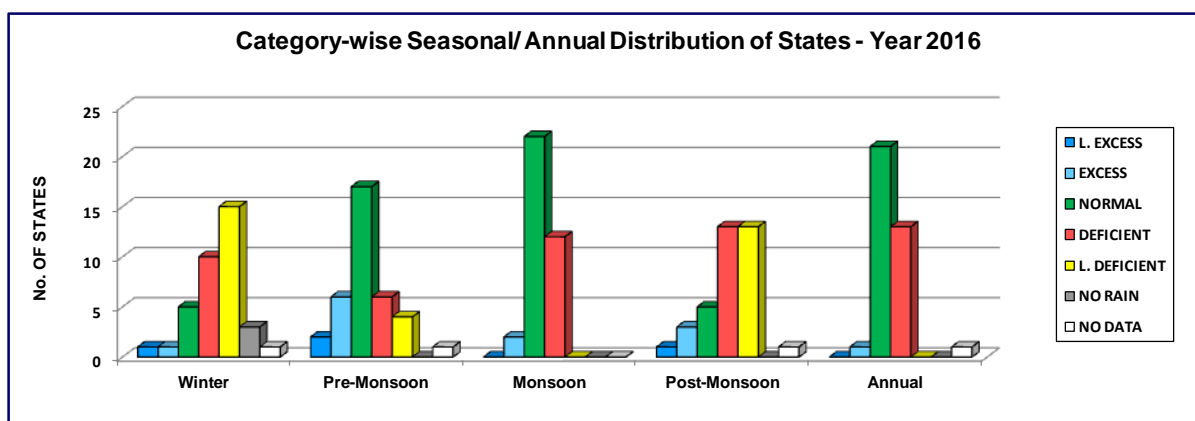


Figure 78: Category-wise distribution of States – Seasonally and Annually – Year 2016

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 79.

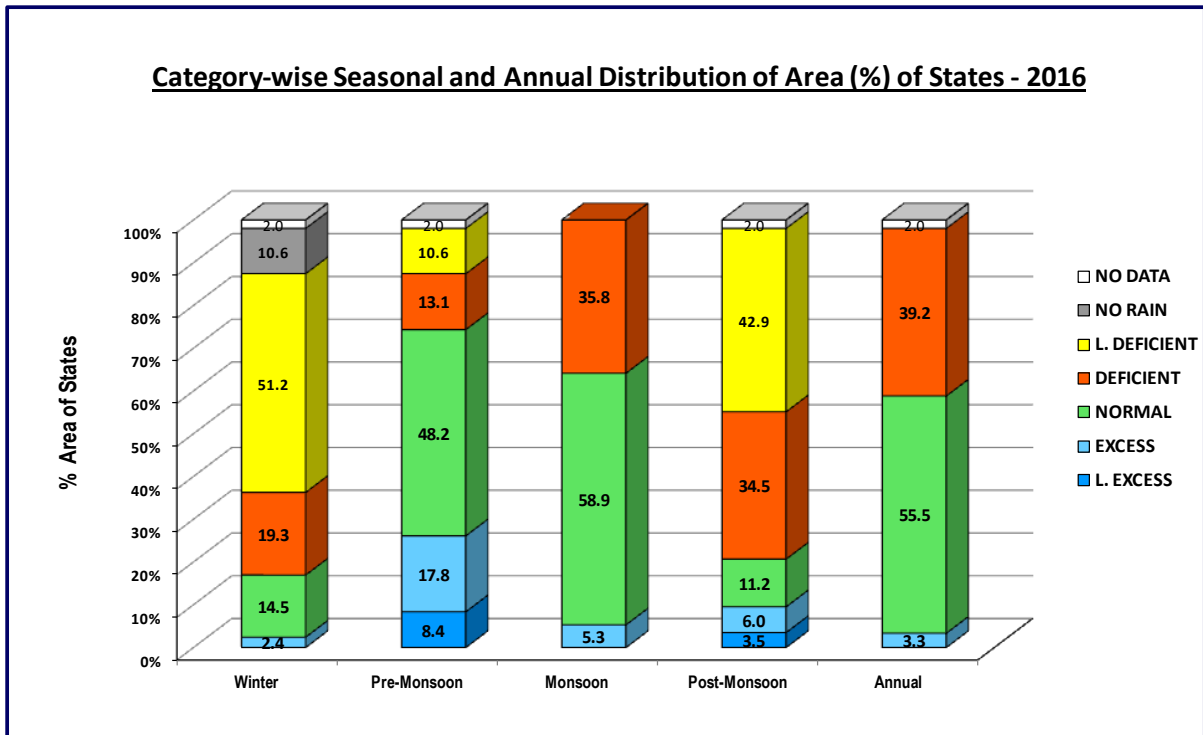


Figure 79: Category-wise distribution of Area of States – Seasonally and Annually – Year 2016

AREA (%) OF STATES UNDER RAINFALL DEFICIENCY – SW Monsoon 2016

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 19 and has been depicted in graphical form in Figure 80 as well. During South-West Monsoon season 2016, No state of the country experienced rainfall deficiency of 50% or more.

Table 19: Area (%) of States of the country under Rainfall Deficiency - Monsoon 2015

Deficiency in Rainfall	% Area of States of India
< 26 % or No deficiency	96%
26 % or more but < 50 %	4%
50 % or more	0%

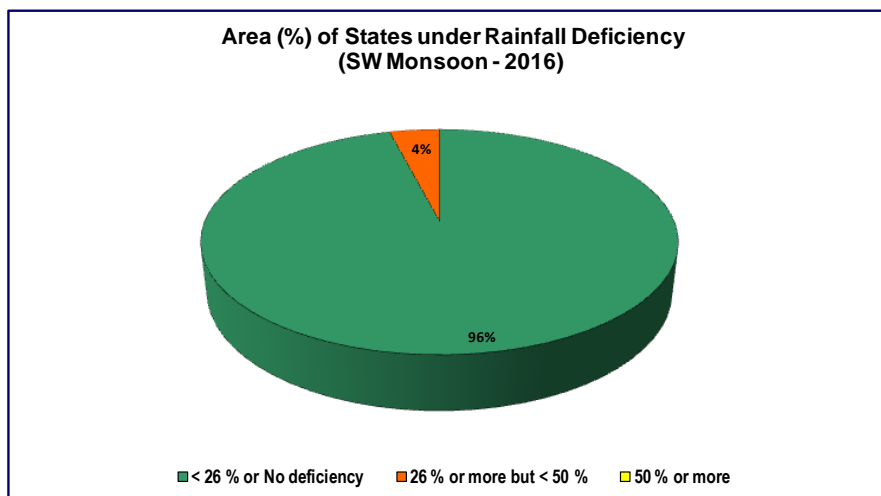


Figure 80: Area (%) of States under Rainfall Deficiency – SW Monsoon 2016

STATE-WISE MONTHLY RAINFALL STATISTICS

Statewise monthly observed rainfall and percentage departures of monthly rainfall for the states from their normal rainfall have been given in Table 20 and Table 21. It may be observed (Table 21) that in the month of April, all the state/UTs of Central and South India remained in Deficient/ Large Deficient/ No Rain category of rainfall (data for Dadara & Nagar Haveli was not available). The situation was even worse in the month of February and November when in addition to Central and South India (except for Kerala and Lakshadweep), states of North West India also experienced deficient, large deficient or no rains. The state of Gujarat remained in Deficient/ Large Deficient/ No Rain category, continuously for seven months of the year from January to July.

Table 20: State-wise Monthly Rainfall (mm) - Year 2016

STATES/ UTs	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
A & N ISLAND (UT)	72.0	15.8	5.4	2.4	191.1	429.4	301.2	227.7	604.3	287.2	181.7	533.7
ARUNACHAL PRADESH	29.4	73.2	128.4	333.1	278.9	379.4	620.1	145.7	532.9	172.7	8.4	4.6
ASSAM	20.3	19.6	69.5	345.7	340.4	328.0	406.5	182.6	273.6	108.4	39.1	6.9
MEGHALAYA	14.0	2.2	45.3	264.7	307.8	581.7	934.6	199.6	260.1	235.8	34.9	10.8
NAGALAND	20.0	9.6	22.3	57.1	125.3	237.3	294.4	244.8	207.9	75.1	67.3	3.8
MANIPUR	4.0	42.3	20.0	106.5	180.1	360.2	381.1	208.7	310.2	112.7	51.1	0.4
MIZORAM	1.5	31.0	63.7	161.6	294.1	352.9	345.6	359.6	417.1	146.1	60.3	0.0
TRIPURA	2.9	63.2	118.7	224.7	495.0	254.1	322.7	356.5	255.6	122.8	163.7	2.0
SIKKIM	54.2	22.7	214.3	181.7	337.4	485.5	515.6	255.8	561.0	128.1	0.0	0.2
WEST BENGAL	9.5	29.9	23.5	20.0	129.9	277.5	449.9	362.1	292.6	93.1	14.4	0.1
ODISHA	2.2	16.7	15.2	8.6	74.9	164.2	280.3	320.8	266.2	93.5	10.4	0.5
JHARKHAND	12.6	7.6	17.5	1.0	72.8	122.9	301.0	395.6	287.5	45.6	0.0	0.0
BIHAR	9.3	0.6	5.6	3.9	84.0	128.7	356.4	150.8	357.9	60.8	0.0	0.0
UTTAR PRADESH	4.1	1.6	9.9	0.2	35.0	70.4	343.7	208.2	109.2	19.5	0.0	0.0
UTTARAKHAND	5.4	29.3	45.8	9.9	99.3	174.4	508.4	308.5	111.4	12.7	0.0	3.5
HARYANA	0.0	1.1	20.7	0.6	26.8	34.8	155.1	133.8	13.7	5.2	0.0	0.9
CHANDIGARH (UT)	0.0	1.3	57.9	15.8	59.5	133.6	131.1	150.5	41.7	0.1	0.1	22.8
DELHI	0.0	1.1	17.9	0.1	22.5	59.7	312.0	103.1	48.0	3.5	0.0	0.0
PUNJAB	6.5	6.0	34.6	0.8	24.8	52.6	153.1	144.8	17.4	1.9	0.5	1.1
HIMACHAL PRADESH	18.7	38.4	114.4	47.5	70.2	101.3	194.0	272.7	56.8	5.3	0.0	2.2
JAMMU & KASHMIR	34.5	44.4	191.4	82.0	58.4	62.9	193.0	181.8	45.1	3.3	0.0	6.1
RAJASTHAN	0.3	1.1	5.4	0.2	6.5	45.8	189.0	277.6	23.9	24.5	0.0	0.0
MADHYA PRADESH	11.7	1.0	9.0	0.0	13.4	105.8	484.7	424.1	117.7	35.6	0.0	0.0
GUJARAT	0.0	0.0	0.4	0.0	0.8	31.0	173.7	253.7	79.5	65.7	0.0	0.0
DADRA & NAGAR HAVELI (UT)						170.9	1126.4	1075.1	360.0	85.7		
DAMAN & DIU (UT)	0.0	0.0	0.4	0.0	0.0	200.6	621.2	591.5	390.0	54.2	0.0	0.0
GOA	0.0	0.0	0.0	0.1	8.8	1213.8	966.8	483.1	296.6	85.8	9.3	0.9
MAHARASHTRA	0.2	2.6	11.6	2.9	8.3	197.0	467.0	240.8	262.5	79.0	0.5	0.4
CHHATISGARH	6.1	3.6	24.5	4.4	19.6	164.2	361.0	357.1	295.6	79.8	0.0	0.0
ANDHRA PRADESH	4.3	0.5	2.4	1.9	103.9	163.7	131.3	89.5	168.3	40.5	9.9	44.3
TELANGANA	1.2	0.2	11.5	4.3	55.1	194.0	235.8	133.7	336.3	70.4	0.5	0.4
TAMILNADU	2.5	0.8	3.1	6.3	102.4	63.1	87.0	54.8	48.8	65.9	33.7	66.4
PUDUCHERRY (UT)	0.7	0.0	0.4	0.0	125.3	45.9	20.7	155.7	115.0	39.2	54.6	98.1

STATES/ UTs	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
KARNATAKA	1.9	0.4	4.1	9.2	74.7	234.6	237.7	116.9	117.1	30.1	7.1	16.1
KERALA	3.0	16.4	22.4	33.3	258.4	595.7	441.5	231.0	84.1	105.1	57.9	22.0
LAKSHADWEEP (UT)	59.6	12.1	3.2	2.6	77.4	321.1	262.6	86.2	75.6	58.6	32.0	74.7

Table 21: % Departures of State-wise monthly rainfall - Year 2016

STATES / UTs	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
A & N ISLAND (UT)	34%	-46%	-78%	-97%	-47%	-2%	-26%	-44%	40%	-3%	-28%	267%
ARUNACHAL PRADESH	-41%	-25%	-29%	19%	-4%	-24%	16%	-60%	43%	-6%	-82%	-88%
ASSAM	25%	-39%	-11%	100%	12%	-23%	-11%	-49%	-4%	-18%	56%	-42%
MEGHALAYA	-14%	-91%	-40%	26%	-29%	-25%	1%	-67%	-45%	-1%	-18%	-9%
NAGALAND	7%	-67%	-64%	-58%	-42%	-31%	-27%	-31%	-10%	-38%	77%	-62%
MANIPUR	-71%	32%	-65%	-11%	-1%	-14%	1%	-39%	19%	-34%	3%	-97%
MIZORAM	-86%	10%	-33%	8%	-8%	-19%	-24%	-19%	11%	-38%	-7%	-100%
TRIPURA	-74%	88%	26%	1%	26%	-45%	-21%	1%	-2%	-31%	279%	-82%
SIKKIM	-1%	-74%	29%	-19%	-1%	-2%	4%	-41%	47%	-46%	-99%	-99%
WEST BENGAL	-34%	53%	-18%	-63%	-2%	-8%	9%	0%	-7%	-27%	-32%	-99%
ODISHA	-79%	-21%	-44%	-77%	7%	-23%	-17%	-11%	12%	-16%	-62%	-90%
JHARKHAND	-22%	-56%	2%	-95%	66%	-38%	-10%	25%	18%	-39%	-100%	-100%
BIHAR	-30%	-94%	-44%	-76%	64%	-24%	4%	-48%	60%	-6%	-100%	-100%
UTTAR PRADESH	-77%	-88%	2%	-96%	127%	-24%	22%	-29%	-39%	-58%	-100%	-100%
UTTARAKHAND	-90%	-46%	-20%	-70%	53%	4%	19%	-28%	-46%	-78%	-100%	-84%
HARYANA	-99%	-92%	65%	-92%	97%	-23%	-5%	-22%	-83%	-70%	-100%	-86%
CHANDIGARH (UT)	-100%	-97%	74%	7%	98%	11%	-54%	-48%	-73%	-99%	-99%	-3%
DELHI	-100%	-93%	17%	-99%	17%	0%	41%	-58%	-56%	-83%	-100%	-100%
PUNJAB	-74%	-75%	37%	-94%	58%	18%	-18%	-15%	-81%	-92%	-91%	-92%
HIMACHAL PRADESH	-81%	-61%	0%	-27%	7%	6%	-37%	-4%	-59%	-88%	-100%	-95%
JAMMU & KASHMIR	-64%	-62%	26%	-16%	-24%	-2%	0%	-2%	-51%	-92%	-99%	-90%
RAJASTHAN	-93%	-77%	50%	-94%	-40%	3%	21%	84%	-64%	129%	-99%	-100%
MADHYA PRADESH	-15%	-89%	14%	-99%	98%	-10%	53%	27%	-36%	0%	-100%	-100%
GUJARAT	-100%	-100%	-65%	-100%	-80%	-71%	-32%	29%	-30%	219%	-99%	-100%
DADRA & NAGAR HAVELI (UT)						-51%	35%	71%	3%	114%		
DAMAN & DIU (UT)	-100%	-100%	100%	-100%	-100%	-29%	-2%	31%	58%	44%	-100%	-100%
GOA	-100%	-100%	-100%	-99%	-90%	34%	-12%	-29%	6%	-45%	-74%	-91%
MAHARASHTRA	-95%	-23%	94%	-61%	-58%	-4%	38%	-15%	46%	5%	-97%	-95%
CHHATISGARH	-42%	-65%	93%	-70%	-1%	-12%	-4%	-5%	37%	26%	-100%	-100%
ANDHRA PRADESH	-25%	-93%	-73%	-91%	71%	84%	-1%	-34%	13%	-76%	-89%	72%
TELANGANA	-80%	-96%	22%	-74%	78%	43%	-1%	-39%	107%	-24%	-98%	-92%
TAMILNADU	-86%	-94%	-83%	-85%	52%	37%	28%	-37%	-58%	-63%	-80%	-24%
PUDUCHERRY (UT)	-98%	-99%	-98%	-100%	213%	-4%	-73%	38%	-3%	-86%	-86%	-58%
KARNATAKA	7%	-81%	-37%	-73%	-9%	19%	-13%	-42%	-26%	-78%	-83%	62%
KERALA	-66%	5%	-26%	-70%	8%	-8%	-39%	-45%	-66%	-64%	-62%	-41%
LAKSHADWEEP (UT)	187%	-18%	-73%	-95%	-55%	-3%	-9%	-60%	-54%	-63%	-73%	27%

The statistics and chart depicting the monthly distribution of number of states in different categories during the year have been given at **Table 22** and **Figure 81** respectively. It may be observed that atleast 29 or more number of states remained in Deficient/Large Deficient /No Rain rainfall category during the months of February, November and December. Only 2 states remained in Large Excess/ Excess category of rainfall during the month of April.

Table 22: Category-wise Number of States - Monthly - Year 2016

CATEGORY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
L. EXCESS	1	1	5	1	9	1	0	2	2	3	2	3
EXCESS	2	2	6	1	4	3	7	5	6	2	1	1
NORMAL	5	3	7	7	12	19	20	9	12	8	3	2
DEFICIENT	6	7	8	2	7	12	8	17	11	10	2	4
L. DEFICIENT	16	19	8	21	2	1	1	3	5	13	17	15
NO RAIN	5	3	1	3	1	0	0	0	0	0	10	10
NO DATA	1	1	1	1	1	0	0	0	0	0	1	1

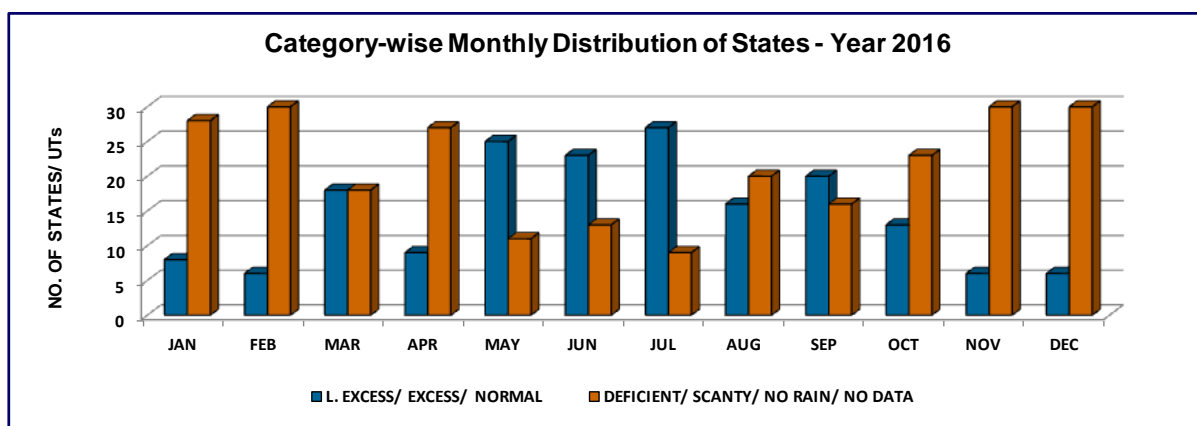


Figure 81: Category-wise distribution of States – Monthly – Year 2016

DISTRICT-WISE SEASONAL & ANNUAL RAINFALL STATISTICS

The rainfall statistics for 660 districts of India was prepared during the year 2016. The districtwise observed seasonal and annual rainfall for the districts whose data are received throughout the year is given in **Table 23**. Also the percent departures of observed rainfall from their normals have been given in **Table 24**. 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 6526.2 mm where as the District Ladakh (Leh) in Jammu & Kashmir received the lowest rainfall of 20.8 mm, which resembles with the normal pattern of rainfall in India.

Table 23: District-wise Monthly Rainfall (mm) - Year 2016

DISTRICTS	WINTER	PRE-MONSOON	MONSOON	POST-MONSOON	ANNUAL
A & N ISLAND (UT)					
NICOBAR	233.8	141.0	1350.2	1172.6	2897.6
NORTH & MIDDLE ANDAMAN	27.2	180.2	1343.5	869.2	2420.1
SOUTH ANDAMAN	63.9	255.2	1932.9	1043.2	3295.1
ANDHRA PRADESH					
ANANTAPUR	9.8	95.4	261.4	27.5	394.2
CHITTOOR	2.9	110.0	359.3	191.9	663.9
CUDDAPAH	14.7	48.0	442.5	85.6	590.8
EAST GODAVARI	2.3	143.9	861.5	83.7	1091.4
GUNTUR	0.2	113.0	771.1	81.0	965.3
KRISHNA	1.0	119.9	801.0	95.0	1016.9
KURNOOL	4.3	71.9	517.2	12.7	606.2
NELLORE	7.0	124.0	242.8	220.2	593.9
PRAKASAM	0.4	64.2	398.7	86.1	549.4

DISTRICTS	WINTER	PRE-MONSOON	MONSOON	POST-MONSOON	ANNUAL
SRIKAKULAM	7.6	204.1	746.9	141.1	1099.7
VISHAKHAPATNAM	4.1	182.0	829.4	103.8	1119.2
VIZIANAGARAM	0.3	178.0	866.8	106.1	1151.2
WEST GODAVARI	1.1	104.1	984.2	59.4	1148.7
ARUNACHAL PRADESH					
ANJAW					
CHANGLANG	60.9	1040.0	1150.0	114.3	2365.1
DIBANG VALLEY	165.0			243.0	
EAST KAMENG	0.2	211.3	539.5	28.2	779.2
EAST SIANG	76.8	880.3	2851.4	229.7	4038.2
KURUNG KUMEY					
LOHIT	145.9	1244.5	1431.5	114.0	2935.9
LOWER DIBANG VALLEY	181.8	2048.1	3289.0	408.1	5927.0
PAPUMPARA	72.5	905.4	2368.0	194.5	3540.3
TAWANG	50.0	959.0	1159.2	117.0	2285.2
TIRAP		937.4	1434.2	95.0	
UPPER SIANG	247.4	1405.4	2912.7	352.2	4917.7
UPPER SUBANSIRI	67.6	460.8	1518.2	189.4	2236.0
WEST KAMENG	11.4	229.3	896.8	73.7	1211.1
WEST SIANG	108.0	340.6	1311.9	172.2	1932.7
ASSAM					
BAKSA	39.5	674.1	1175.0	97.8	1986.3
BARPETA	8.3	732.8	1779.2	112.7	2632.9
BONGAIGAON	7.0	833.8	1858.1	106.2	2805.1
CACHAR	67.3	1108.7	1660.9	262.6	3099.5
CHIRANG	42.6	997.7	2488.4	102.0	3630.7
DHEMAJI			1254.0	166.0	
DHUBRI	8.7	782.4	1436.4	173.2	2400.7
DIBRUGARH	83.9	874.7	1201.5	120.9	2281.0
GOALPARA	5.0	863.7	1430.0	138.7	2437.4
GOLAGHAT	23.4	586.2	1045.4	78.3	1733.3
HAILAKANDI	77.1	1588.6	1441.8	224.3	3331.8

DISTRICTS	WINTER	PRE-MONSOON	MONSOON	POST-MONSOON	ANNUAL
JORHAT	48.4	800.4	1137.8	142.4	2128.9
KAMRUP (RURAL)	6.5	917.4	873.3	34.5	1831.6
KAMRUP METRO.	25.8	475.0	841.0	75.8	1417.6
KARBI ANGLONG	33.8	340.7	996.2	201.5	1572.2
KARIMGANJ	61.8	1629.9	1790.2	471.3	3953.1
KOKRAJHAR	14.2	818.3	1813.7	167.0	2813.2
LAKHIMPUR	83.8	632.2	2039.0	185.9	2941.0
MORIGAON	2.0	429.2	1015.2	230.7	1677.1
N. C. HILLS	38.1	1405.2	521.4	212.8	2177.5
NAGAON	41.1	330.7	754.3	142.5	1268.6
NALBARI	34.9	805.3	1268.0	53.9	2162.1
SHONITPUR	60.6	566.5	760.2	84.2	1471.5
SIBSAGAR	50.1	929.4	1081.9	106.0	2167.4
TINSUKIA	83.2	1008.4	1304.7	155.3	2551.6
UDALGURI	37.6	739.2	828.3	89.9	1695.0
BIHAR					
ARARIA	27.8	224.0	1681.1	124.9	2057.7
ARWAL	3.3	11.7	1114.6	96.5	1226.2
AURANGABAD	15.7	19.0	1178.5	152.6	1365.8
BANKA	18.3	66.0	1116.3	77.3	1277.9
BEGUSARAI	5.2	68.3	838.6	40.7	952.8
BHABUA	13.1	13.2	1098.5	39.9	1164.6
BHAGALPUR	24.5	100.7	857.3	27.1	1009.5
BHOJPUR	2.0	52.1	813.2	7.0	874.3
BUXAR	0.0	0.0	801.8	132.0	933.8
DARBHANGA	1.8	146.9	957.8	45.5	1152.0
EAST CHAMPARAN	9.0	148.2	716.3	22.0	895.4
GAYA	23.5	17.4	1243.8	119.7	1404.5
GOPALGANJ	0.0	113.0	732.9	19.0	865.0
JAHANABAD	16.2	14.0	970.9	57.8	1058.9
JAMUI	19.6	21.9	1043.5	28.2	1113.1
KATIHAR	0.0	104.8	857.8	62.7	1025.2

DISTRICTS	WINTER	PRE-MONSOON	MONSOON	POST-MONSOON	ANNUAL
KHAGARIA	8.6	86.9	609.0	26.1	730.5
KISHANGANJ	0.3	241.4	2103.4	141.1	2486.2
LAKHISARAI	16.1	39.9	1018.6	29.9	1104.5
MADHEPURA	1.2	149.9	1097.2	73.2	1321.5
MADHUBANI	7.1	99.6	882.6	18.4	1007.7
MONGHYR	4.6	41.2	822.2	31.0	899.0
MUZAFFARPUR	6.5	104.3	744.9	29.3	885.0
NALANDA	9.3	53.3	910.5	67.0	1040.1
NAWADA	29.5	9.3	911.7	48.8	999.4
PATNA	2.6	82.6	859.6	52.3	997.1
PURNEA	7.2	326.6	1061.2	71.5	1466.4
ROHTAS	27.2	47.4	1049.5	57.2	1181.3
SAHARSA	0.0	106.2	900.8	60.9	1067.9
SAMASTIPUR	0.0	127.4	1012.2	96.2	1235.8
SARAN	4.2	56.4	685.7	47.7	794.0
SHEIKHPURA	0.0	36.6	905.4	105.8	1047.8
SHEOHAR	0.0	11.2	580.3	0.0	591.5
SITAMARHI	0.0	50.5	691.4	2.2	744.2
SIWAN	0.0	50.5	792.3	47.0	889.9
SUPAUL	18.1	217.3	1199.6	120.9	1555.9
VAISHALI	3.7	97.6	724.6	58.1	884.0
WEST CHAMPARAN	2.1	144.0	1223.3	43.4	1412.8
CHANDIGARH (UT)					
CHANDIGARH	1.3	133.2	456.9	22.9	614.3
CHHATTISGARH					
BALOD	22.1	82.9	1263.6	158.8	1527.4
BALODA BAZAR	12.2	0.0	813.3	29.6	855.2
BALRAMPUR	6.0	35.7	1216.2	82.0	1339.9
BASTAR	2.9	170.3	1500.3	148.1	1821.6
BEMETARA	18.3	70.2	895.0	163.9	1147.4
BIJAPUR	10.2	24.9	1563.8	94.8	1693.7
BILASPUR	24.4	131.8	911.0	59.5	1126.6

DISTRICTS	WINTER	PRE-MONSOON	MONSOON	POST-MONSOON	ANNUAL
DANTEWADA	0.2	20.3	1412.7	37.5	1470.7
DHANTARI	7.6	55.3	1028.7	73.6	1165.2
DURG	0.0	55.6	1077.0	47.6	1180.2
GARIABAND	7.7	29.1	996.2	53.0	1085.9
JANJGIR	0.7	32.7	1244.0	42.7	1320.0
JASHPUR	20.1	4.9	1082.6	32.1	1139.6
KABIRDHAM	5.4	8.0	852.9	28.5	894.8
KANKER	0.0	0.0	1700.5	118.7	1819.2
KONDAGAON	0.0	46.9	1433.0	175.4	1655.3
KORBA	30.5	49.4	1208.2	26.7	1314.8
KORIYA	0.0	35.2	1145.2	48.9	1229.3
MAHASAMUND	20.5	37.5	1080.4	74.1	1212.4
MUNGELI	30.6	32.4	805.1	26.4	894.5
NARAYANPUR	0.4	128.0	1519.8	145.4	1793.6
RAIGARH	10.3	8.5	1189.1	44.5	1252.3
RAIPUR	2.5	61.1	1060.1	74.6	1198.3
RAJNANDGAON	0.6	69.1	935.1	99.4	1104.1
SUKMA	0.0	3.8	1336.1	119.0	1458.8
SURAJPUR	16.2	37.1	609.9	41.7	704.9
SURGUJA	19.7	50.5	1331.7	105.6	1507.5
DADARA & NAGAR HAVELI					
DADARA & NAGAR HAVELI			2732.4		
DAMAN & DIU					
DAMAN			2318.6		
DIU	0.0	0.4	875.9	19.7	896.0
DELHI					
CENTRAL DELHI	1.0	22.0	667.0	23.0	713.0
EAST DELHI	0.0	15.0			
NEW DELHI	1.3	48.1	535.4	1.5	586.3
NORTH DELHI	1.0	32.3	579.5	17.7	630.4
NORTH EAST DELHI	0.0	35.0	279.0	8.0	322.0
NORTH WEST DELHI	1.5	25.0	434.0	0.0	460.5

DISTRICTS	WINTER	PRE-MONSOON	MONSOON	POST-MONSOON	ANNUAL
SOUTH DELHI	0.5	61.8	590.7	4.8	657.8
SOUTH WEST DELHI	1.7	58.6	624.8	3.1	688.1
WEST DELHI	0.0	14.0	558.0		
GOA					
NORTH GOA	0.0	8.6	3020.8	126.9	3156.4
SOUTH GOA	0.0	9.1	2906.7	68.6	2984.4
GUJARAT					
AHMEDABAD	0.0	1.5	382.2	52.4	436.1
AMRELI	0.0	5.0	578.9	103.9	687.8
ANAND	0.0	3.0	436.9	54.7	494.5
ARAVALLI	0.0	0.0	880.0	72.8	952.8
BANASKANTHA	0.0	0.0	388.3	78.3	466.6
BHARUCH	0.0	1.6	414.0	66.4	482.1
BHAVNAGAR	0.0	0.4	576.1	66.3	642.8
BOTAD	0.0	0.0	412.5	124.8	537.3
CHHOTA UDEPUR	0.0	1.6	795.3	34.9	831.8
DAHOD	0.0	0.0	731.1	48.9	780.0
DANGS	0.0	12.5	1946.6	75.3	2034.3
DEVBHOO MI DWARKA	0.0	0.3	523.1	49.7	573.1
GANDHINAGAR	0.0	1.6	588.4	63.6	653.6
GIR SOMNATH	0.0	0.0	907.4	67.6	975.0
JAMNAGAR	0.0	0.0	629.7	99.7	729.3
JUNAGADH	0.0	0.5	732.6	142.7	875.8
KHEDA	0.0	0.7	479.6	77.8	558.1
KUTCH	0.0	2.2	254.1	37.9	294.2
MAHISAGAR	0.0	1.6	749.3	54.6	805.5
MEHSANA	0.0	0.0	433.1	66.5	499.6
MORBI	0.0	0.0	284.8	75.4	360.2
NARMADA	0.0	0.4	650.9	85.5	736.8
NAVSARI	0.0	1.4	1427.4	49.3	1478.1
PANCHMAHAL	0.0	0.3	778.2	80.0	858.4
PATAN	0.0	0.0	417.5	63.3	480.8

DISTRICTS	WINTER	PRE-MONSOON	MONSOON	POST-MONSOON	ANNUAL
PORBANDAR	0.0	0.1	509.4	92.6	602.1
RAJKOT	0.0	0.0	498.7	81.1	579.8
SABARKANTHA	0.0	0.0	552.9	40.3	593.2
SURAT	0.0	1.9	977.1	114.3	1093.3
SURENDRANAGAR	0.0	0.0	312.3	43.3	355.6
TAPI	0.0	1.8	898.6	97.6	998.0
VADODARA	0.0	0.0	446.5	50.1	496.6
VALSAD	0.0	0.4	2392.3	66.5	2459.1
HARYANA					
AMBALA	2.0	72.3	434.4	10.1	518.8
BHIWANI	0.0	27.3	328.9	4.9	361.1
FARIDABAD	0.0	54.3	628.0	20.0	702.3
FATEHABAD	0.0	30.3	180.7	0.0	211.0
GURGAON	0.0	34.3	399.2	15.4	448.9
HISAR	1.4	49.0	240.0	3.9	294.3
JHAJJAR	0.0	34.6	437.4	0.3	472.4
JIND	1.5	74.7	288.7	0.3	365.2
KAITHAL	2.3	38.9	231.8	0.0	273.0
KARNAL	0.4	71.8	391.8	0.3	464.4
KURUKSHETRA	2.3	46.7	179.7	0.0	228.7
MAHENDRAGARH	0.0	46.9	339.4	0.0	386.3
MEWAT	0.0	53.8	452.8	3.4	510.0
PALWAL	0.0	13.8	437.0	0.0	450.8
PANCHKULA	2.9	50.0	403.4	19.9	476.2
PANIPAT	0.8	71.6	247.8	1.2	321.4
REWARI	0.0	83.6	488.3	33.5	605.4
ROHTAK	0.2	36.7	247.1	0.0	284.0
SIRSA	5.0	22.7	137.8	12.3	177.7
SONEPAT	1.4	72.0	233.9	0.5	307.7
YAMUNA NAGAR	1.9	95.1	805.8	15.8	918.6
HIMACHAL PRADESH					
BILASPUR	34.3	168.7	833.4	13.7	1050.1

DISTRICTS	WINTER	PRE-MONSOON	MONSOON	POST-MONSOON	ANNUAL
CHAMBA	81.6	368.1	602.7	9.4	1061.9
HAMIRPUR	36.9	162.7	996.4	2.7	1198.7
KANGRA	44.3	201.8	1359.1	7.3	1612.4
KINNAUR	60.4	199.6	116.2	6.7	382.9
KULLU	112.0	336.6	563.4	5.0	1017.0
LAHAUL & SPITI	55.3	236.0	102.7	0.7	394.7
MANDI	56.3	282.9	1046.5	11.0	1396.8
SHIMLA	66.5	224.8	649.2	9.3	949.9
SIRMAUR	28.2	103.9	882.9	13.1	1028.1
SOLAN	39.7	232.6	898.9	22.7	1193.9
UNA	38.0	169.6	819.3	8.3	1035.1
JAMMU & KASHMIR					
ANANTNAG	98.3	369.0	229.6	7.8	704.7
BADGAM	76.4	291.1	102.1	3.6	473.2
BARAMULA	135.8	549.4	210.1	10.0	905.3
DODA	85.6	333.6	359.8	18.8	797.8
GANDERBAL	88.2	414.2	168.9	3.8	675.1
JAMMU	28.8	134.0	1110.0	2.5	1275.2
KATHUA	14.0	146.7	927.8	5.2	1093.7
KULGAM	84.6	372.2	152.9	2.1	611.8
KUPWARA	146.6	499.9	126.2	24.2	796.9
LADAKH (LEH)	3.8	3.0	14.0	0.0	20.8
PULWAMA	65.7	274.1	163.1	2.2	505.1
RAJOURI	74.8	245.9	535.6	8.9	865.2
RAMBAN	104.5	534.9	284.3	11.0	934.7
REASI	46.5	287.4	1328.2	12.7	1674.8
SAMBA	18.4	61.9	753.0	0.0	833.3
SRINAGAR	73.3	321.8	165.2	6.3	566.6
UDHAMPUR	30.3	228.5	953.2	3.7	1215.7
JHARKHAND					
BOKARO	8.9	75.6	959.0	42.8	1086.2
CHATRA	10.3	39.7	1107.3	35.4	1192.7

DISTRICTS	WINTER	PRE-MONSOON	MONSOON	POST-MONSOON	ANNUAL
DEOGHAR	22.6	57.1	991.6	1.4	1072.6
DHANBAD	19.5	48.8	1178.1	25.3	1271.6
DUMKA	23.7	122.9	1226.0	43.4	1416.0
EAST SINGBHUM	31.4	115.6	1881.2	28.9	2057.0
GARHWA	55.0	188.0	985.6	71.1	1299.7
GIRIDIH	27.6	88.8	1120.9	56.9	1294.1
GODDA	12.5	62.8	807.0	27.2	909.5
GUMLA	64.2	99.9	1153.5	50.7	1368.3
HAZARIBAG	13.5	117.0	1174.3	112.8	1417.6
JAMTARA	19.9	128.3	1216.9		
KHUNTI	0.0	87.5	898.7	26.5	1012.7
KODERMA	10.3	37.7	946.7	26.9	1021.7
LATEHAR	9.8	48.8	1497.1	84.6	1640.3
LOHARDAGA	8.8	79.1	1232.1	56.2	1376.2
PAKUR	10.3	74.7	839.7	43.3	968.0
PALAMU	17.3	35.5	1208.9	77.2	1339.0
RAMGARH	2.8	74.0	1038.3		
RANCHI	9.0	83.8	827.0	28.2	948.0
SAHIBGANJ	6.4	87.6	1031.4	19.6	1145.0
SERAIKELA-KHARSAWAN	14.7	98.8	1067.2	13.4	1194.1
SIMDEGA	29.2	87.0	1043.6	36.5	1196.3
WEST SINGBHUM	12.9	117.5	1054.1	16.2	1200.6
KARNATAKA					
BAGALKOTE	0.3	68.9	332.1	13.9	415.2
BALLARI	9.4	72.1	269.4	20.3	371.1
BELAGAVI	0.9	75.8	596.1	28.5	701.3
BENGALURU RURAL	8.9	166.7	449.0	129.4	753.9
BENGALURU URBAN	4.9	156.7	445.1	107.9	714.6
BIDAR	2.5	104.6	1056.8	138.0	1301.9
CHAMARAJANAGAR	6.4	112.9	160.7	40.8	320.8
CHIKBALLAPURA	4.1	157.9	382.4	71.9	616.3
CHIKMAGALURU	2.0	116.2	1066.4	57.0	1241.6

DISTRICTS	WINTER	PRE-MONSOON	MONSOON	POST-MONSOON	ANNUAL
CHITRADURGA	0.9	70.0	217.1	33.8	321.8
DAKSHINA KANNADA	0.3	147.4	2587.5	83.1	2818.2
DAVANGERE	0.4	76.9	394.3	22.9	494.5
DHARWAD	0.3	75.5	364.0	31.0	470.8
GADAG	0.4	96.4	292.2	7.3	396.2
HASSAN	2.8	116.6	398.9	62.0	580.3
HAVERI	0.7	89.7	404.4	25.9	520.7
KALABURGI	1.0	67.1	785.4	38.2	891.6
KODAGU	1.1	180.8	1490.9	126.5	1799.2
KOLAR	9.1	153.8	357.2	112.4	632.4
KOPPAL	0.5	61.0	321.1	28.3	410.9
MANDYA	2.5	74.2	315.6	81.5	473.7
MYSURU	6.1	126.5	267.1	50.2	450.0
RAICHUR	1.2	36.1	511.8	18.3	567.3
RAMANAGARA	2.2	117.3	357.3	115.0	591.8
SHIVAMOGGA	0.8	59.8	1310.5	74.7	1445.7
TUMAKURU	6.1	86.6	348.6	51.3	492.6
UDUPI	0.8	115.2	3172.1	111.7	3399.7
UTTARA KANNADA	0.4	69.2	2084.6	99.3	2253.6
VIJAYAPURA	0.0	51.2	394.7	21.7	467.7
YADGIR	0.0	24.7	525.1	22.5	572.3
KERALA					
ALAPUZHA	62.0	366.2	1134.7	208.4	1771.2
CANNUR	0.0	140.2	1991.0	84.4	2215.6
ERNAKULAM	91.8	370.0	1569.4	295.1	2326.3
IDUKKI	10.2	358.2	1569.5	174.0	2111.9
KASARGOD	3.4	138.4	2252.9	71.1	2465.8
KOLLAM	51.3	507.0	950.8	406.8	1916.0
KOTTAYAM	55.2	447.8	1330.7	252.3	2086.0
KOZHIKODE	0.0	298.2	1887.4	74.5	2260.1
MALAPPURAM	1.8	161.7	1251.2	118.3	1533.0
PALAKKAD	0.2	177.5	1034.8	137.6	1350.1

DISTRICTS	WINTER	PRE-MONSOON	MONSOON	POST-MONSOON	ANNUAL
PATHANAMTHITTA	5.1	620.7	1095.4	425.8	2147.0
THIRUVANANTHAPURAM	6.9	506.2	572.4	112.4	1197.9
THRISSUR	14.9	300.8	1219.6	152.1	1687.4
WYNAD	3.3	145.8	1073.8	104.9	1327.8
LAKSHADWEEP (UT)					
LAKSHADWEEP	71.7	83.2	745.4	165.4	1065.7
MADHYA PRADESH					
AGAR-MALWA	0.0	2.1	1325.2	33.0	1360.2
ALIRAJPUR	2.6	21.3	990.0	79.9	1093.9
ANUPPUR	13.5	17.1	1003.0	19.7	1053.3
ASHOKNAGAR	13.0	17.0	974.0	60.0	1064.0
BALAGHAT	7.5	15.9	972.1	15.8	1011.3
BARWANI	0.0	2.1	528.2	72.8	603.0
BETUL	4.5	8.7	997.6	35.3	1046.1
BHIND	7.9	22.2	546.1	10.3	586.4
BHOPAL	21.4	14.4	1464.1	76.9	1576.8
BURHANPUR	0.0	1.4	783.1	46.3	830.8
CHHATARPUR	22.4	39.2	1450.2	1.6	1513.4
CHHINDWARA	19.8	54.9	935.7	39.3	1049.6
DAMOH	37.5	46.0	1513.8	26.0	1623.3
DATIA	6.9	55.7	533.7	35.3	631.7
DEWAS	5.0	3.3	889.8	25.8	924.0
DHAR	3.9	0.5	855.6	99.6	959.6
DINDORI	19.6	44.2	1361.7	51.5	1477.0
GUNA	9.3	8.1	1275.5	26.2	1319.1
GWALIOR	6.1	70.4	528.0	27.4	631.9
HARDA	2.6	5.4	942.3	45.8	996.0
HOSHANGABAD	8.6	12.9	2101.3	48.7	2171.4
INDORE	0.1	12.0	888.2	21.7	922.0
JABALPUR	14.8	78.0	1360.8	32.3	1485.8
JHABUA	0.9	18.3	976.9	83.5	1079.6
KATNI	29.0	36.7	1326.2	18.5	1410.4

DISTRICTS	WINTER	PRE-MONSOON	MONSOON	POST-MONSOON	ANNUAL
KHANDWA	1.3	4.0	959.9	36.0	1001.3
KHARGONE	0.0	2.8	657.3	74.7	734.8
MANDLA	23.9	34.4	1448.3	40.7	1547.3
MANDSAUR	0.8	14.8	1002.0	19.4	1036.9
MORENA	0.2	19.3	528.2	16.5	564.1
NARSINGHPUR	3.4	10.4	1120.6	53.0	1187.4
NEEMUCH	2.3	0.0	1074.9	36.1	1113.4
PANNA	15.1	20.4	1669.2	42.8	1747.5
RAISEN	10.8	14.9	1402.7	41.5	1469.8
RAJGARH	10.9	9.8	1321.0	36.1	1377.8
RATLAM	0.0	12.4	1298.7	42.6	1353.7
REWA	28.5	17.8	1209.2	19.6	1275.0
SAGAR	19.6	14.8	1328.3	30.2	1392.9
SATNA	37.4	37.0	1609.9	19.2	1703.5
SEHORE	3.6	7.8	1460.4	17.7	1489.5
SEONI	25.5	40.3	1153.8	16.7	1236.2
SHAHDOL	23.5	38.1	1094.6	6.0	1162.2
SHAJAPUR	11.7	10.1	1132.5	8.5	1162.8
SHEOPUR	0.0	9.0	698.9	20.0	727.9
SHIVPURI	3.6	11.5	844.3	24.1	883.5
SIDHI	33.2	34.4	1304.4	4.6	1376.6
SINGRAULI	21.7	17.0	1156.6	103.0	1298.3
TIKAMGARH	8.5	43.0	741.5	43.5	836.5
UJJAIN	9.8	25.8	1137.4	29.8	1202.8
UMARIA	47.2	82.3	1202.3	3.4	1335.2
VIDISHA	14.3	12.1	1453.6	52.1	1532.0
MAHARASHTRA					
AHMEDNAGAR	0.1	9.0	535.7	97.6	642.4
AKOLA	0.1	7.1	777.3	68.2	852.7
AMRAOTI	6.9	21.1	930.6	64.8	1023.4
AURANGABAD	0.0	12.4	583.8	58.9	655.1
BEED	6.7	17.7	778.0		

DISTRICTS	WINTER	PRE-MONSOON	MONSOON	POST-MONSOON	ANNUAL
BHANDARA	5.9	49.6	889.5	77.4	1022.5
BULDHANA	2.3	14.5	735.2	49.8	801.7
CHANDRAPUR	2.0	83.5	1375.3	96.7	1557.4
DHULE	0.0	6.4	419.7		
GADCHIROLI	4.4	43.4	1619.8	109.5	1777.2
GONDIA	3.4	73.5	1245.7	60.9	1383.5
HINGOLI		17.9	800.5		
JALGAON	0.0	5.5	636.3	63.3	705.2
JALNA	0.0	9.2	775.0	80.7	864.8
KOLHAPUR	0.0	15.7	1610.9	41.1	1667.7
LATUR	9.8	39.4	1011.1	141.1	1201.3
MUMBAI CITY	0.0	3.7	2507.0	67.4	2578.1
MUMBAI SUBURBAN	0.0	10.0	2894.5	78.7	2983.2
NAGPUR	17.8	26.3	795.6	68.3	908.0
NANDED	0.0	24.1	1024.5	115.6	1164.2
NANDURBAR	0.0	2.3	697.1		
NASHIK	0.0	29.6	1131.1	64.7	1225.5
OSMANABAD	5.9	28.3	748.0	116.1	898.3
PALGHAR	0.0	7.2	3052.0	73.8	3133.0
PARBHANI	0.3	13.5	916.6	89.0	1019.4
PUNE	0.2	18.8	1138.2	57.6	1214.8
RAIGAD	0.0	4.6	3885.3	117.9	4007.8
RATNAGIRI	0.4	2.3	4386.5	145.6	4534.8
SANGLI	3.3	27.7	591.1	16.5	638.5
SATARA	3.6	17.8	993.1	57.8	1072.3
SHOLAPUR	0.7	19.2	514.0	75.2	609.1
SINDHUDURG	0.0	2.8	3444.2	118.8	3565.8
THANE			2642.8		
WARDHA	11.6	33.6	965.2	61.4	1071.7
WASHIM	4.6	31.7	799.1	68.1	903.5
YEOTMAL	4.7	31.2	873.1	68.3	977.4
MANIPUR					

DISTRICTS	WINTER	PRE-MONSOON	MONSOON	POST-MONSOON	ANNUAL
CHANDEL		471.0		145.0	
IMPHAL EAST	32.2	573.8	710.8	183.5	1500.3
IMPHAL WEST	65.7	1316.0	2236.9	290.7	3909.3
THOUBAL		516.0		134.0	
UKHRUL		6.0			
MEGHALAYA					
EAST GARO HILLS	16.0	1059.8	2438.8	308.2	3822.8
EAST KHASI HILLS	22.4	1771.7	4363.3	368.8	6526.2
JAINTIA HILLS	16.9				
RI-BHOI	12.1	361.4	806.9	94.5	1274.8
SOUTH GARO HILLS		189.0		291.0	
WEST GARO HILLS	6.6	563.6	1214.1	69.4	1853.7
WEST KHASI HILLS	21.0	141.0			
MIZORAM					
AIZWAL	16.7	751.6	1472.2	269.2	2509.6
KOLASIB					
LUNGLEI	40.0		1355.1	137.3	
SAIHA	33.0	483.0	1698.0	300.0	2514.0
SERCHHIP	48.0	32.1	1647.5	177.8	1905.4
NAGALAND					
DIMAPUR	28.8	315.3	1160.2	96.9	1601.1
KEPHIRE	13.4			97.2	
KOHIMA	29.3	193.2	871.5	173.4	1267.5
MOKOKCHUNG	19.0			60.0	
MON	39.0				
PHEK	23.8	305.2	919.5	147.9	1396.4
WOKHA	51.0	106.0	1355.0	243.0	1755.0
ODISHA					
ANGUL	25.2	75.1	929.0	96.1	1125.3
BALASORE	56.3	212.6	1048.9	247.6	1565.4
BARGARH	15.3	45.2	920.2	54.1	1034.9
BHADRAK	45.9	212.4	1123.2	144.6	1526.1

DISTRICTS	WINTER	PRE-MONSOON	MONSOON	POST-MONSOON	ANNUAL
BOLANGIR	10.6	33.0	866.1	97.3	1007.0
BOUDHGARH	1.3	34.1	1032.9	65.6	1134.0
CUTTACK	1.1	113.6	1102.7	116.9	1334.3
DEOGARH	19.9	23.8	846.4	47.9	938.0
DHENKANAL	36.9	127.0	997.3	77.1	1238.2
GAJAPATI	3.9	209.5	915.7	165.2	1294.3
GANJAM	20.6	133.0	760.7	154.1	1068.4
JAGATSINGHPUR	3.1	221.1	1200.0	199.1	1623.3
JAJPUR	33.8	143.5	1150.5	99.2	1426.9
JHARSUGUDA	19.8	34.8	1020.4	35.1	1110.0
KALAHANDI	0.9	36.8	1104.7	132.0	1274.4
KANDHAMAL	3.5	43.5	944.1	114.3	1105.4
KENDRAPARA	11.0	197.3	1173.2	234.5	1616.0
KEONJHARGARH	64.5	176.7	967.6	64.2	1273.0
KHURDA	4.6	76.2	939.8	86.8	1107.4
KORAPUT	0.0	175.8	1401.5	114.6	1691.9
MALKANGIRI	4.2	43.2	1227.8	181.2	1456.4
MAYURBHANJ	58.0	143.3	1120.7	102.6	1424.6
NAWAPARA	2.4	9.9	976.0	59.0	1047.3
NAWARANGPUR	2.4	115.9	1261.9	105.9	1486.0
NAYAGARH	13.6	139.6	904.4	90.5	1148.1
PURI	24.4	124.0	1041.6	138.0	1328.1
RAYAGADA	7.7	113.2	921.7	95.8	1138.4
SAMBALPUR	11.3	41.6	1036.5	54.1	1143.5
SONEPUR	18.8	15.2	955.3	58.8	1048.1
SUNDARGARH	12.8	27.1	1020.9	45.0	1105.7
PONDICHERY (UT)					
KARAIKAL	0.9	160.8	245.1	245.2	651.9
PUDUCHERRY	0.6	106.4	388.0	162.6	657.6
PUNJAB					
AMRITSAR	26.3	56.2	449.8	6.5	538.7
BARNALA	15.0	50.0	378.0	0.0	443.0

DISTRICTS	WINTER	PRE-MONSOON	MONSOON	POST-MONSOON	ANNUAL
BHATINDA	8.2	63.3	289.5	0.0	361.0
FARIDKOT	12.5	89.5	325.4	0.0	427.4
FATEHGARH SAHIB	0.0	47.7	259.1	6.3	313.1
FEROZEPUR	4.8	20.3	114.8	1.8	141.6
GURDASPUR	8.8	102.2	831.2	4.1	946.2
HOSHIARPUR	16.0	45.9	375.2	1.7	438.9
JALANDHAR	19.5	42.3	309.9	2.9	374.6
KAPURTHALA	13.3	81.6	595.9	1.6	692.3
LUDHIANA	22.4	37.4	306.2	7.6	373.5
MANSA	4.2	25.2	213.2	0.0	242.6
MOGA	6.9	40.8	541.2	2.0	590.9
MUKTSAR	11.0	113.6	305.9	0.0	430.5
NAWANSHAHR	30.6	79.1	523.7	16.2	649.6
PATIALA	4.2	78.7	237.3	1.9	322.1
ROPAR	15.9	70.7	716.2	15.7	818.5
SANGRUR	6.2	75.8	294.0	0.5	376.5
SAS NAGAR (MOHALI)	0.0	112.9	450.1	23.0	586.0
TARN TARAN	18.0	52.0	300.5	0.0	370.5
RAJASTHAN					
AJMER	1.5	1.4	537.4	62.8	603.1
ALWAR	1.0	64.1	623.1	10.3	698.5
BANSWARA	0.0	0.0	1020.0	75.4	1095.4
BARAN	4.8	8.1	1161.1	33.6	1207.6
BARMER	0.1	1.8	235.7	22.9	260.5
BHARATPUR	0.0	24.1	639.3	24.9	688.4
BHILWARA	0.3	7.9	910.0	15.1	933.3
BIKANER	2.5	17.5	265.4	8.8	294.2
BUNDI	0.3	5.7	879.7	18.0	903.7
CHITTORGARH	0.0	5.0	1307.5	39.0	1351.5
CHURU	2.8	42.4	408.4	29.4	482.9
DAUSA	0.0	19.6	770.2	17.0	806.8
DHOLPUR	0.0	30.2	635.7	14.7	680.5

DISTRICTS	WINTER	PRE-MONSOON	MONSOON	POST-MONSOON	ANNUAL
DUNGARPUR	0.0	0.0	843.3	37.8	881.1
HANUMANGARH	5.0	31.6	205.7	2.4	244.7
JAIPUR	2.3	15.0	569.6	20.1	607.0
JAISALMER	1.1	7.5	138.9	6.2	153.7
JALORE	0.0	0.4	435.4	47.4	483.1
JHALAWAR	4.2	11.9	1112.1	18.0	1146.1
JHUNJHUNU	0.4	27.0	535.0	12.4	574.8
JODHPUR	1.0	2.2	405.2	22.6	431.1
KARAULI	0.5	17.0	719.9	31.8	769.3
KOTA	1.7	7.5	907.3	23.6	940.1
NAGAUUR	1.3	8.0	427.3	27.6	464.2
PALI	0.2	1.9	849.2	30.9	882.2
PRATAPGARH	0.0	0.0	1265.4	53.8	1319.2
RAJSAMAND	0.0	6.1	800.9	55.6	862.6
SAWAI MADHOPUR	0.4	9.6	918.8	22.6	951.4
SIKAR	1.1	35.5	481.9	20.2	538.8
SIROHI	0.0	1.7	876.5	65.0	943.2
SRI GANGANAGAR	8.9	19.0	132.6	0.1	160.6
TONK	1.5	4.4	728.8	19.4	754.1
UDAIPUR	0.0	2.0	851.7	60.0	913.7
SIKKIM					
EAST SIKKIM	22.6	684.4	1521.7	98.7	2327.3
NORTH SIKKIM	116.7	917.2	1974.9	139.8	3148.5
SOUTH SIKKIM	17.3	295.7	1548.3	129.4	1990.7
WEST SIKKIM	15.7	389.0	1665.0	110.5	2180.2
TAMILNADU					
ARIYALUR	0.0	89.4	318.8	128.5	536.6
CHENNAI	0.5	198.1	495.8	342.1	1036.6
COIMBATORE	23.0	118.0	222.5	142.0	505.5
CUDDALORE	0.8	97.3	346.0	130.5	574.6
DHARMAPURI	0.0	94.6	269.2	99.4	463.2
DINDIGUL	0.9	108.0	165.7	227.7	502.3

DISTRICTS	WINTER	PRE-MONSOON	MONSOON	POST-MONSOON	ANNUAL
ERODE	0.0	59.7	174.4	74.9	309.0
KANCHEEPURAM	0.4	173.2	484.2	334.8	992.5
KANYAKUMARI	17.1	316.6	305.3	154.5	793.5
KARUR	0.0	134.4	125.0	69.4	328.7
KRISHNAGIRI	0.2	150.2	326.8	120.0	597.3
MADURAI	0.0	70.2	211.8	228.2	510.2
NAGAPATTINAM	0.8	166.4	245.5	248.7	661.4
NAMAKKAL	0.0	90.9	241.3	57.5	389.7
NILGIRIS	12.4	120.2	513.4	243.2	889.3
PERAMBALUR	0.0	168.5	270.8	127.1	566.3
PUDUKKOTTAI	0.0	77.7	233.7	159.4	470.8
RAMANATHAPURAM	3.6	92.4	100.7	191.3	388.0
SALEM	0.0	131.2	346.0	100.3	577.5
SIVAGANGA	0.0	171.7	380.1	159.1	710.9
THANJAVUR	0.0	131.7	288.5	210.3	630.5
THENI	3.0	90.5	131.9	140.3	365.7
TIRUNELVELI	12.1	111.0	102.4	186.4	411.9
TIRUPPUR	0.0	125.0	81.0	205.2	411.3
TIRUVALLUR	1.2	158.6	406.8	247.8	814.3
TIRUVANNAMALAI	9.0	84.1	419.0	172.6	684.6
TIRUVARUR	0.0	187.4	207.9	250.0	645.4
TOOTHUKUDI	3.4	49.5	18.6	158.9	230.4
TRICHY	0.0	130.8	211.0	132.7	474.6
VELLORE	0.9	81.9	420.0	178.1	680.9
VILLUPURAM	0.2	88.7	329.5	175.3	593.7
VIRUDHUNAGAR	3.0	82.5	116.6	173.2	375.3
TELANGANA					
ADILABAD	2.6	54.9	1041.8	98.9	1198.2
HYDERABAD	1.2	131.1	838.0	70.7	1040.9
KARIMNAGAR	0.3	99.2	1016.1	89.8	1205.4
KHAMMAM	1.4	64.0	964.2	102.1	1131.7
MAHBUBNAGAR	0.2	68.7	579.1	17.6	665.6

DISTRICTS	WINTER	PRE-MONSOON	MONSOON	POST-MONSOON	ANNUAL
MEDAK	0.3	44.4	907.2	93.8	1045.6
NALGONDA	1.8	94.4	791.7	50.1	938.1
NIZAMABAD	1.8	60.4	1160.1	95.4	1317.8
RANGAREDDY	0.6	89.2	786.1	32.4	908.4
WARANGAL	3.2	65.8	1014.6	73.0	1156.5
TRIPURA					
DHALAI	80.1	829.3	1338.6	244.0	2492.0
NORTH TRIPURA	121.2	1236.6	1362.5	258.1	2978.4
SOUTH TRIPURA	31.5	560.0	1286.8	382.8	2261.1
WEST TRIPURA	27.2	671.3	829.2	286.8	1814.4
UTTAR PRADESH					
AGRA	0.3	22.5	592.6	6.8	622.1
ALIGARH	0.5	35.9	589.1	4.3	629.9
ALLAHABAD	10.4	28.4	842.4	29.4	910.5
AMBEDKAR NAGAR	8.0	73.0	712.0	5.0	798.0
AMETHI	2.0	22.4	599.9	20.3	644.6
AURAIYA	7.0	14.0	398.1	27.2	446.3
AZAMGARH	7.7	70.6	1081.4	8.3	1168.0
BADAUN	3.3	45.8	657.3	20.0	726.4
BAGHPAT	0.4	50.0	377.8	0.0	428.2
BAHRAICH	4.4	116.7	1007.6	89.1	1217.8
BALLIA	3.5	64.3	766.6	37.7	872.1
BALRAMPUR	0.0	31.1	677.2	43.0	751.3
BANDA	19.0	36.5	1164.0	11.0	1230.5
BARABANKI	5.0	31.6	642.7	22.9	702.1
BAREILLY	3.4	83.7	1111.7	12.1	1210.9
BASTI	3.7	44.7	795.0	35.0	878.4
BIJNOR	6.6	67.3	875.9	6.8	956.6
BULANDSHAHAR	2.0	38.2	541.0	7.8	589.0
CHANDAULI	3.0	6.0	972.0	1.5	982.5
DEORIA	2.0	46.0	554.7	7.5	610.2
ETAH	0.0	20.2	709.7	4.4	734.3

DISTRICTS	WINTER	PRE-MONSOON	MONSOON	POST-MONSOON	ANNUAL
ETAHAWAH	6.0	10.9	493.5	7.5	517.9
FAIZABAD	4.7	33.8	751.0	33.4	822.7
FARRUKHABAD	0.9	5.2	276.5	10.3	292.8
FATEHPUR	6.2	33.6	534.5	24.2	598.6
FIROZABAD	2.1	19.4	500.4	15.9	537.6
GAUTAM BUDDHA NAGAR	0.0	4.0	313.0	13.0	330.0
GHAZIABAD	0.0	33.6	238.3	3.2	275.0
GHAZIPUR	2.9	55.4	988.0	23.3	1069.5
GONDA	7.5	47.2	797.1	25.6	877.4
GORAKHPUR	3.8	93.3	761.5	39.1	897.6
HAMIRPUR	6.3	55.3	878.2	20.8	960.6
HARDOI	5.6	13.1	685.0	8.3	712.0
JALAUN	5.7	23.2	638.4	33.0	700.3
JAUNPUR	1.9	30.1	704.3	7.7	744.0
JHANSI	6.6	22.0	589.6	22.3	640.5
JYOTIBA PHULE NAGAR	0.5	60.0	769.0	0.0	829.5
KANNAUJ	4.0	0.0	308.5	17.5	330.0
KANPUR CITY	9.2	48.3	375.0	31.5	464.0
KANPUR DEHAT	5.0	12.4	295.1	24.5	337.1
KANSHIRAM NAGAR	1.0	24.0	861.0	2.0	888.0
KAUSHAMBI	5.5	9.0	464.6	0.0	479.2
KHERI	2.1	107.8	1081.4	39.6	1231.0
KUSHI NAGAR	1.5	99.7	360.7	2.0	463.9
LALITPUR	15.0	25.2	866.2	13.0	919.4
LUCKNOW	6.8	33.0	608.3	28.2	676.2
MAHAMAYA NAGAR	0.0	9.5	581.8	24.5	615.8
MAHARAJGANJ	0.5	99.0	808.0	53.5	961.0
MAHOPA	7.8	6.4	823.1	5.8	843.1
MAINPURI	2.8	15.5	290.3	7.1	315.7
MATHURA	0.0	1.0	601.5	0.0	602.5
MAU	0.0	42.5	575.6	0.0	618.1
MEERUT	1.6	54.3	472.8	0.0	528.6

DISTRICTS	WINTER	PRE-MONSOON	MONSOON	POST-MONSOON	ANNUAL
MIRZAPUR	10.5	44.3	1406.9	28.1	1489.8
MORADABAD	3.7	70.1	886.1	0.7	960.6
MUZAFFARNAGAR	4.6	76.3	473.8	0.0	554.7
PILIBHIT	4.3	32.3	528.6	3.0	568.2
PRATAPGARH	9.7	57.9	751.0	30.3	848.9
RAE BAREILLY	2.7	19.7	481.3	18.7	522.4
RAMPUR	3.3	67.1	628.8	0.0	699.1
SAHARANPUR	5.0	82.0	535.2	4.0	626.2
SAHUJI MAHARAJ NAGAR	14.5	10.5	1044.5	3.5	1073.0
SANT KABIR NAGAR	13.0	57.0	1029.7	83.0	1182.7
SANT RAVIDAS NAGAR	15.0	52.0	982.0	6.0	1055.0
SHAHJAHANPUR	5.5	46.2	661.9	7.6	721.1
SHRAWASTI NAGAR			1020.8		
SIDDHARTH NAGAR	0.0	40.0	649.8	29.7	719.5
SITAPUR	5.0	44.4	610.1	2.5	662.0
SONBHADRA	21.1	44.4	1319.6	34.0	1419.2
SULTANPUR	9.0	113.1	850.9	40.1	1013.1
UNNAO	9.5	20.3	468.8	23.8	522.3
VARANASI	10.7	49.6	1145.4	8.9	1214.6
UTTARAKHAND					
ALMORA	17.9	126.2	861.3	0.4	1005.8
BAGESHWAR	7.5	248.9	1096.5	3.3	1356.3
CHAMOLI	36.1	197.2	1197.5	11.0	1441.8
CHAMPAWAT	14.0	111.5	1158.5	19.1	1303.1
DEHRADUN	40.6	91.1	1194.9	16.8	1343.3
GARHWAL PAURI	15.1	71.3	901.9	1.5	989.8
GARHWAL TEHRI	52.8	85.9	752.4	4.7	895.7
HARDWAR	15.0	85.1	1000.1	3.9	1104.1
NAINITAL	18.6	209.8	1544.5	14.3	1787.1
PITHORAGARH	46.0	266.2	1262.7	47.6	1622.4
RUDRAPRAYAG	29.2	208.9	1660.5	17.9	1916.5
UDHAM SINGH NAGAR	2.0	88.7	643.3	3.0	737.0

DISTRICTS	WINTER	PRE-MONSOON	MONSOON	POST-MONSOON	ANNUAL
UTTARKASHI	72.2	121.9	1006.0	26.8	1226.8
WEST BENGAL					
BANKURA	16.3	117.7	1154.4	47.6	1336.0
BIRBHUM	38.2	110.3	1112.0	35.2	1295.7
BURDWAN	42.8	135.1	1184.4	46.2	1408.4
COOCH BEHAR	6.7	437.6	2322.2	123.5	2890.0
DARJEELING	9.5	271.8	2742.1	306.2	3329.5
EAST MIDNAPORE	63.7	157.6	1179.4	226.1	1626.8
HOOGHLY	15.3	105.6	1009.1	88.6	1218.6
HOWRAH	104.5	60.8	977.2	133.3	1275.8
JALPAIGURI	9.3	498.3	3127.5	239.0	3874.1
KOLKATA	94.5	150.1	1262.3	182.5	1689.4
MALDA	16.9	109.1	1054.7	72.0	1252.7
MURSHIDABAD	48.5	120.0	820.4	57.3	1046.2
NADIA	39.4	200.7	1091.9	84.4	1416.5
NORTH 24 PARGANAS	85.0	186.4	1261.2	142.0	1674.6
NORTH DINAJPUR			1189.0	90.9	
PURULIA	20.5	79.1	1238.3	30.0	1367.8
SOUTH 24 PARGANAS	70.5	109.6	1410.3	147.9	1738.3
SOUTH DINAJPUR	0.0	67.6	704.3	78.9	850.8
WEST MIDNAPORE	54.0	172.9	1084.2	80.2	1391.3

Table 24: % Departures of District-wise seasonal and annual rainfall – 2016

DISTRICTS	WINTER	PRE-MONSOON	MONSOON	POST-MONSOON	ANNUAL
A & N ISLAND (UT)					
NICOBAR	42%	-74%	12%	31%	3%
NORTH & MIDDLE ANDAMAN	-44%	-56%	-29%	51%	-17%
SOUTH ANDAMAN	-8%	-47%	10%	48%	9%
ANDHRA PRADESH					
ANANTAPUR	56%	17%	-19%	-83%	-31%
CHITTOOR	-81%	7%	-14%	-47%	-26%
CUDDAPAH	242%	-31%	9%	-64%	-18%

DISTRICTS	WINTER	PRE-MONSOON	MONSOON	POST-MONSOON	ANNUAL
EAST GODAVARI	-86%	32%	22%	-70%	-1%
GUNTUR	-99%	39%	42%	-65%	11%
KRISHNA	-90%	66%	14%	-61%	-1%
KURNOOL	40%	-5%	12%	-91%	-11%
NELLORE	-74%	71%	-31%	-66%	-46%
PRAKASAM	-98%	-17%	4%	-74%	-32%
SRIKAKULAM	-71%	90%	0%	-51%	-6%
VISHAKHAPATNAM	-79%	15%	23%	-61%	0%
VIZIANAGARAM	-99%	26%	19%	-58%	1%
WEST GODAVARI	-94%	25%	26%	-79%	-1%
ARUNACHAL PRADESH					
ANJAW					
CHANGLANG	-75%	-17%	-30%	-72%	-33%
DIBANG VALLEY	-31%			-15%	
EAST KAMENG	-99%	-54%	-57%	-86%	-62%
EAST SIANG	-32%	36%	-5%	-14%	0%
KURUNG KUMEY					
LOHIT	19%	48%	-23%	-51%	-4%
LOWER DIBANG VALLEY	-23%	114%	206%	42%	132%
PAPUMPARA	-28%	15%	5%	-21%	5%
TAWANG	-36%	79%	-53%	-61%	-33%
TIRAP		19%	-40%	-67%	
UPPER SIANG	-1%	20%	14%	-17%	12%
UPPER SUBANSIRI	-11%	41%	93%	75%	72%
WEST KAMENG	-86%	-57%	-64%	-76%	-64%
WEST SIANG	17%	-38%	-19%	-9%	-21%
ASSAM					
BAKSA	6%	9%	-52%	-44%	-39%
BARPETA	-78%	18%	-27%	-36%	-20%
BONGAIGAON	-83%	22%	-19%	-46%	-13%
CACHAR	6%	36%	-12%	15%	3%
CHIRANG	3%	46%	8%	-49%	13%

DISTRICTS	WINTER	PRE-MONSOON	MONSOON	POST-MONSOON	ANNUAL
DHEMAJI			-38%	-10%	
DHUBRI	-60%	34%	-25%	-3%	-11%
DIBRUGARH	0%	36%	-27%	-33%	-11%
GOALPARA	-85%	33%	-16%	-25%	-5%
GOLAGHAT	-50%	31%	0%	-43%	3%
HAILAKANDI	56%	104%	-11%	14%	26%
JORHAT	-18%	42%	-12%	-13%	2%
KAMRUP (RURAL)	-80%	82%	-24%	-73%	1%
KAMRUP METRO.	-21%	-6%	-27%	-41%	-22%
KARBI ANGLONG	-8%	14%	15%	46%	17%
KARIMGANJ	28%	46%	-17%	38%	8%
KOKRAJHAR	-63%	13%	-36%	-9%	-25%
LAKHIMPUR	10%	10%	1%	1%	3%
MORIGAOON	-95%	27%	-16%	57%	-4%
N. C. HILLS	-41%	108%	-47%	-15%	10%
NAGAON	19%	-5%	-33%	-6%	-24%
NALBARI	4%	29%	-19%	-61%	-8%
SHONITPUR	43%	18%	-42%	-41%	-26%
SIBSAGAR	-6%	101%	-7%	-16%	20%
TINSUKIA	-2%	63%	-19%	-5%	3%
UDALGURI	9%	36%	-34%	-26%	-13%
BIHAR					
ARARIA	28%	34%	25%	29%	26%
ARWAL	-85%	-40%	41%	128%	40%
AURANGABAD	-46%	-32%	37%	163%	40%
BANKA	-6%	-10%	29%	-19%	21%
BEGUSARAI	-68%	-14%	-9%	-44%	-13%
BHABUA	-69%	-61%	10%	-27%	3%
BHAGALPUR	-13%	2%	-12%	-74%	-16%
BHOJPUR	-92%	24%	-12%	-88%	-17%
BUXAR	-100%	-100%	-7%	102%	-4%
DARBHANGA	-93%	57%	4%	-43%	3%

DISTRICTS	WINTER	PRE-MONSOON	MONSOON	POST-MONSOON	ANNUAL
EAST CHAMPARAN	-60%	111%	-30%	-74%	-25%
GAYA	-8%	-47%	42%	79%	40%
GOPALGANJ	-100%	121%	-26%	-73%	-24%
JAHANABAD	-21%	-68%	18%	10%	13%
JAMUI	7%	-59%	10%	-66%	1%
KATIHAR	-100%	-19%	-23%	-25%	-24%
KHAGARIA	-37%	25%	-42%	-72%	-41%
KISHANGANJ	-98%	7%	20%	54%	19%
LAKHISARAI	-19%	-42%	5%	-64%	-4%
MADHEPURA	-94%	19%	-5%	-20%	-5%
MADHUBANI	-66%	-17%	-17%	-80%	-22%
MONGHYR	-77%	-40%	-16%	-63%	-22%
MUZAFFARPUR	-71%	40%	-24%	-62%	-23%
NALANDA	-55%	24%	4%	9%	4%
NAWADA	31%	-81%	2%	-33%	-4%
PATNA	-88%	87%	-9%	-22%	-7%
PURNEA	-60%	94%	-19%	-27%	-8%
ROHTAS	5%	64%	26%	-4%	24%
SAHARSA	-100%	-33%	-36%	-44%	-37%
SAMASTIPUR	-100%	85%	-1%	28%	4%
SARAN	-84%	6%	-30%	-33%	-29%
SHEIKHPURA	-100%	-29%	5%	52%	4%
SHEOHAR	-100%	-90%	-46%	-100%	-54%
SITAMARHI	-100%	-53%	-36%	-97%	-42%
SIWAN	-100%	8%	-21%	-17%	-22%
SUPAUL	11%	83%	14%	46%	22%
VAISHALI	-84%	101%	-29%	-30%	-25%
WEST CHAMPARAN	-93%	65%	-4%	-46%	-4%
CHANDIGARH (UT)					
CHANDIGARH	-98%	71%	-46%	-65%	-43%
CHHATTISGARH					
BALOD	117%	216%	24%	147%	36%

DISTRICTS	WINTER	PRE-MONSOON	MONSOON	POST-MONSOON	ANNUAL
BALODA BAZAR	-24%	-100%	-20%	-48%	-24%
BALRAMPUR	-77%	11%	7%	22%	6%
BASTAR	-83%	19%	26%	11%	23%
BEMETARA	-13%	69%	-11%	161%	1%
BIJAPUR	-2%	-42%	14%	-10%	11%
BILASPUR	-29%	171%	-16%	-16%	-9%
DANTEWADA	-97%	-15%	14%	-65%	7%
DHANTARI	-41%	39%	-2%	13%	0%
DURG	-100%	112%	6%	-26%	5%
GARIABAND	-43%	-45%	-8%	-33%	-12%
JANJGIR	-97%	1%	4%	-24%	0%
JASHPUR	-51%	-92%	-20%	-65%	-26%
KABIRDHAM	-80%	-79%	-4%	-66%	-14%
KANKER	-100%	-100%	45%	40%	35%
KONDAGAON	-100%	-24%	20%	90%	22%
KORBA	-1%	32%	-11%	-66%	-13%
KORIYA	-100%	77%	1%	18%	0%
MAHASAMUND	78%	33%	3%	29%	6%
MUNGELI	-11%	-33%	-26%	-63%	-28%
NARAYANPUR	-97%	107%	24%	46%	28%
RAIGARH	-57%	-79%	4%	-27%	-1%
RAIPUR	-85%	59%	1%	19%	3%
RAJNANDGAON	-97%	93%	-10%	28%	-5%
SUKMA	-100%	-93%	17%	12%	12%
SURAJPUR	-26%	87%	-47%	-20%	-43%
SURGUJA	-47%	4%	4%	39%	4%
DADARA & NAGAR HAVELI					
DADARA & NAGAR HAVELI			26%		
DAMAN & DIU					
DAMAN			7%		
DIU	-100%	-73%	35%	-59%	28%
DELHI					

DISTRICTS	WINTER	PRE-MONSOON	MONSOON	POST-MONSOON	ANNUAL
CENTRAL DELHI	-97%	-49%	5%	-34%	-5%
EAST DELHI	-100%	-66%			
NEW DELHI	-96%	11%	-16%	-96%	-22%
NORTH DELHI	-97%	-26%	-9%	-49%	-16%
NORTH EAST DELHI	-100%	-20%	-56%	-77%	-57%
NORTH WEST DELHI	-95%	-43%	-32%	-100%	-38%
SOUTH DELHI	-98%	42%	-7%	-86%	-12%
SOUTH WEST DELHI	-95%	35%	-2%	-91%	-8%
WEST DELHI	-100%	-68%	-12%		
GOA					
NORTH GOA	-100%	-92%	-4%	-40%	-9%
SOUTH GOA	-100%	-90%	4%	-64%	-3%
GUJARAT					
AHMEDABAD	-100%	-81%	-39%	89%	-35%
AMRELI	-100%	16%	10%	152%	21%
ANAND	-100%	-48%	-45%	42%	-41%
ARAVALLI	-100%	-100%	9%	149%	13%
BANASKANTHA	-100%	-100%	-31%	211%	-22%
BHARUCH	-100%	-72%	-47%	104%	-42%
BHAVNAGAR	-100%	-91%	8%	83%	12%
BOTAD	-100%	-100%	-15%	207%	1%
CHHOTA UDEPUR	-100%	-77%	-25%	-20%	-25%
DAHOD	-100%	-100%	-14%	18%	-14%
DANGS	-100%	-28%	-1%	-8%	-1%
DEVBHOO MI DWARKA	-100%	-90%	26%	81%	28%
GANDHINAGAR	-100%	-80%	-18%	130%	-13%
GIR SOMNATH	-100%	-100%	16%	53%	18%
JAMNAGAR	-100%	-100%	23%	215%	33%
JUNAGADH	-100%	-75%	-8%	251%	5%
KHEDA	-100%	-89%	-41%	153%	-35%
KUTCH	-100%	-53%	-30%	76%	-24%
MAHISAGAR	-100%	-73%	-7%	59%	-5%

DISTRICTS	WINTER	PRE-MONSOON	MONSOON	POST-MONSOON	ANNUAL
MEHSANA	-100%	-100%	-34%	143%	-28%
MORBI	-100%	-100%	-42%	219%	-31%
NARMADA	-100%	-95%	-41%	137%	-36%
NAVSARI	-100%	-83%	-21%	-9%	-21%
PANCHMAHAL	-100%	-97%	-18%	101%	-14%
PATAN	-100%	-100%	-19%	250%	-11%
PORBANDAR	-100%	-98%	-16%	141%	-7%
RAJKOT	-100%	-100%	-14%	97%	-7%
SABARKANTHA	-100%	-100%	-27%	52%	-25%
SURAT	-100%	-71%	-22%	156%	-16%
SURENDRANAGAR	-100%	-100%	-37%	43%	-33%
TAPI	-100%	-80%	-39%	132%	-35%
VADODARA	-100%	-100%	-51%	18%	-48%
VALSAD	-100%	-93%	11%	21%	11%
HARYANA					
AMBALA	-97%	35%	-53%	-84%	-53%
BHIWANI	-100%	10%	-6%	-77%	-14%
FARIDABAD	-100%	46%	5%	-36%	1%
FATEHABAD	-100%	-8%	-36%	-100%	-42%
GURGAON	-100%	26%	-15%	-32%	-17%
HISAR	-94%	55%	-26%	-82%	-27%
JHAJJAR	-100%	25%	5%	-98%	-3%
JIND	-96%	128%	-31%	-99%	-28%
KAITHAL	-93%	46%	-40%	-100%	-41%
KARNAL	-99%	74%	-32%	-99%	-35%
KURUKSHETRA	-95%	13%	-68%	-100%	-67%
MAHENDRAGARH	-100%	40%	-14%	-100%	-19%
MEWAT	-100%	153%	-10%	-89%	-11%
PALWAL	-100%	-23%	-2%	-100%	-11%
PANCHKULA	-96%	-26%	-58%	-60%	-59%
PANIPAT	-98%	124%	-53%	-96%	-49%
REWARI	-100%	362%	12%	63%	23%

DISTRICTS	WINTER	PRE-MONSOON	MONSOON	POST-MONSOON	ANNUAL
ROHTAK	-99%	-22%	-51%	-100%	-54%
SIRSA	-78%	-18%	-43%	-42%	-43%
SONEPAT	-96%	77%	-56%	-99%	-52%
YAMUNA NAGAR	-98%	30%	-10%	-75%	-17%
HIMACHAL PRADESH					
BILASPUR	-73%	39%	-5%	-80%	-12%
CHAMBA	-66%	64%	-57%	-93%	-47%
HAMIRPUR	-73%	26%	-8%	-97%	-16%
KANGRA	-73%	19%	-14%	-93%	-20%
KINNAUR	-71%	-23%	-56%	-93%	-54%
KULLU	-39%	17%	8%	-95%	-7%
LAHAUL & SPITI	-80%	-37%	-78%	-99%	-68%
MANDI	-59%	46%	-4%	-86%	-7%
SHIMLA	-52%	16%	2%	-88%	-9%
SIRMAUR	-75%	10%	-33%	-85%	-36%
SOLAN	-71%	67%	-10%	-74%	-13%
UNA	-58%	100%	-5%	-88%	-7%
JAMMU & KASHMIR					
ANANTNAG	-47%	0%	-19%	-94%	-27%
BADGAM	-38%	6%	-45%	-96%	-30%
BARAMULA	-50%	23%	-15%	-94%	-20%
DODA	-70%	-24%	-18%	-89%	-40%
GANDERBAL	-30%	60%	-8%	-96%	0%
JAMMU	-77%	-8%	29%	-97%	5%
KATHUA	-90%	88%	-6%	-92%	-14%
KULGAM	-42%	1%	-43%	-98%	-30%
KUPWARA	-31%	1%	-50%	-86%	-30%
LADAKH (LEH)	-75%	-88%	-65%	-100%	-78%
PULWAMA	-28%	32%	8%	-96%	0%
RAJOURI	-41%	120%	-18%	-87%	-10%
RAMBAN	-69%	31%	-29%	-94%	-30%
REASI	-76%	71%	0%	-89%	-7%

DISTRICTS	WINTER	PRE-MONSOON	MONSOON	POST-MONSOON	ANNUAL
SAMBA	-85%	-58%	-12%	-100%	-31%
SRINAGAR	-42%	24%	-10%	-94%	-16%
UDHAMPUR	-87%	-5%	-31%	-97%	-38%
JHARKHAND					
BOKARO	-65%	0%	-9%	-56%	-13%
CHATRA	-73%	14%	7%	-48%	2%
DEOGHAR	-11%	-20%	2%	-98%	-8%
DHANBAD	-34%	-44%	5%	-78%	-6%
DUMKA	-21%	9%	12%	-70%	2%
EAST SINGBHUM	-5%	0%	78%	-66%	59%
GARHWA	115%	574%	6%	18%	25%
GIRIDIH	29%	23%	5%	-40%	3%
GODDA	-42%	-27%	-14%	-71%	-21%
GUMLA	51%	9%	-4%	-44%	-4%
HAZARIBAG	-54%	89%	17%	14%	19%
JAMTARA	-43%	27%	2%		
KHUNTI	-100%	1%	-28%	-73%	-32%
KODERMA	-69%	-27%	2%	-74%	-8%
LATEHAR	-72%	-6%	47%	3%	38%
LOHARDAGA	-75%	2%	23%	-29%	15%
PAKUR	-62%	-45%	-35%	-74%	-40%
PALAMU	-42%	8%	24%	32%	22%
RAMGARH	-90%	-9%	-1%		
RANCHI	-82%	-10%	-29%	-72%	-32%
SAHIBGANJ	-67%	-27%	-21%	-83%	-26%
SERAIKELA-KHARSAWAN	-62%	1%	-6%	-85%	-12%
SIMDEGA	-23%	17%	-25%	-53%	-24%
WEST SINGBHUM	-63%	13%	-3%	-80%	-8%
KARNATAKA					
BAGALKOTE	-92%	-19%	-9%	-90%	-30%
BALLARI	235%	-17%	-28%	-87%	-40%
BELAGAVI	-47%	-32%	4%	-81%	-16%

DISTRICTS	WINTER	PRE-MONSOON	MONSOON	POST-MONSOON	ANNUAL
BENGALURU RURAL	19%	22%	-1%	-46%	-10%
BENGALURU URBAN	-45%	2%	-6%	-53%	-18%
BIDAR	-79%	66%	52%	14%	46%
CHAMARAJANAGAR	-32%	-47%	-50%	-83%	-59%
CHIKABALLAPURA	-39%	51%	-7%	-68%	-18%
CHIKKAMAGALURU	-45%	-35%	-36%	-76%	-40%
CHITRADURGA	-65%	-26%	-20%	-79%	-39%
DAKSHINA KANNADA	-87%	-35%	-23%	-75%	-28%
DAVANGERE	-80%	-32%	2%	-87%	-27%
DHARWAD	-94%	-44%	-25%	-81%	-41%
GADAG	-83%	-12%	-21%	-95%	-38%
HASSAN	-27%	-31%	-31%	-72%	-40%
HAVERI	-14%	-29%	-18%	-85%	-34%
KALABURGI	-87%	8%	27%	-71%	9%
KODAGU	-86%	-31%	-32%	-57%	-34%
KOLAR	26%	37%	-7%	-51%	-13%
KOPPAL	-66%	-16%	-16%	-80%	-31%
MANDYA	-55%	-53%	11%	-62%	-29%
MYSURU	2%	-35%	-22%	-77%	-41%
RAICHUR	-65%	-42%	11%	-87%	-15%
RAMANAGARA	-65%	-35%	-21%	-53%	-33%
SHIVAMOGGA	-13%	-51%	-13%	-61%	-21%
TUMAKURU	12%	-32%	-3%	-75%	-29%
UDUPI	-56%	-49%	-16%	-65%	-21%
UTTARA KANNADA	4%	-50%	-23%	-53%	-27%
VIJAYAPURA	-99%	-29%	-9%	-85%	-29%
YADGIR	-100%	-60%	-14%	-85%	-31%
KERALA					
ALAPUZHA	36%	-23%	-35%	-64%	-38%
CANNUR	-100%	-53%	-25%	-76%	-33%
ERNAKULAM	187%	-17%	-24%	-40%	-23%
IDUKKI	-71%	-16%	-31%	-69%	-36%

DISTRICTS	WINTER	PRE-MONSOON	MONSOON	POST-MONSOON	ANNUAL
KASARGOD	2%	-49%	-25%	-79%	-32%
KOLLAM	0%	8%	-29%	-36%	-23%
KOTTAYAM	46%	-3%	-30%	-53%	-29%
KOZHIKODE	-100%	-15%	-27%	-82%	-33%
MALAPPURAM	-67%	-50%	-39%	-74%	-46%
PALAKKAD	-98%	-37%	-34%	-68%	-41%
PATHANAMTHITTA	-92%	12%	-36%	-32%	-27%
THIRUVANANTHAPURAM	-83%	37%	-34%	-79%	-34%
THRISSUR	36%	-22%	-44%	-68%	-45%
WYNAD	-75%	-47%	-59%	-68%	-59%
LAKSHADWEEP (UT)					
LAKSHADWEEP	102%	-64%	-25%	-50%	-33%
MADHYA PRADESH					
AGAR-MALWA	-100%	-83%	52%	-34%	43%
ALIRAJPUR	-57%	82%	24%	71%	27%
ANUPPUR	-75%	-69%	-15%	-72%	-22%
ASHOKNAGAR	-5%	209%	13%	42%	15%
BALAGHAT	-79%	-45%	-27%	-81%	-32%
BARWANI	-100%	-79%	-17%	40%	-14%
BETUL	-72%	-60%	9%	-51%	2%
BHIND	-55%	120%	-20%	-80%	-23%
BHOPAL	14%	-23%	47%	49%	45%
BURHANPUR	-100%	-95%	0%	-36%	-7%
CHHATARPUR	-26%	173%	47%	-97%	40%
CHHINDWARA	-39%	61%	6%	-46%	3%
DAMOH	2%	111%	41%	-49%	37%
DATIA	-61%	272%	-31%	-32%	-27%
DEWAS	-57%	-71%	-6%	-56%	-10%
DHAR	-10%	-93%	3%	105%	8%
DINDORI	-50%	58%	13%	-19%	10%
GUNA	-52%	-54%	35%	-46%	28%
GWALIOR	-74%	305%	-33%	-50%	-29%

DISTRICTS	WINTER	PRE-MONSOON	MONSOON	POST-MONSOON	ANNUAL
HARDA	-83%	-49%	-10%	-24%	-12%
HOSHANGABAD	-57%	-37%	63%	-22%	56%
INDORE	-99%	6%	6%	-63%	1%
JABALPUR	-50%	243%	25%	-35%	25%
JHABUA	-68%	91%	31%	52%	33%
KATNI	-14%	151%	26%	-56%	24%
KHANDWA	-88%	-77%	13%	-40%	7%
KHARGONE	-100%	-74%	-13%	49%	-11%
MANDLA	-49%	-14%	16%	-36%	11%
MANDSAUR	-88%	31%	28%	-63%	22%
MORENA	-99%	34%	-25%	-53%	-27%
NARSINGHPUR	-84%	-25%	5%	20%	4%
NEEMUCH	-68%	-100%	44%	-23%	37%
PANNA	-60%	33%	56%	-9%	49%
RAISEN	-45%	2%	26%	-19%	22%
RAJGARH	-22%	-17%	48%	-29%	43%
RATLAM	-99%	35%	49%	-30%	43%
REWA	-11%	-2%	24%	-58%	19%
SAGAR	-35%	-23%	22%	-45%	17%
SATNA	-4%	107%	69%	-59%	61%
SEHORE	-77%	-37%	37%	-69%	29%
SEONI	-31%	-4%	11%	-77%	4%
SHAHDOL	-45%	48%	10%	-87%	5%
SHAJAPUR	-13%	-19%	30%	-83%	22%
SHEOPUR	-100%	-32%	-4%	-48%	-8%
SHIVPURI	-82%	-10%	8%	-49%	3%
SIDHI	-6%	41%	28%	-91%	22%
SINGRAULI	-6%	6%	39%	106%	41%
TIKAMGARH	-69%	284%	-13%	-7%	-11%
UJJAIN	15%	215%	36%	-46%	33%
UMARIA	-2%	161%	10%	-95%	8%
VIDISHA	-36%	11%	45%	12%	41%

DISTRICTS	WINTER	PRE-MONSOON	MONSOON	POST-MONSOON	ANNUAL
MAHARASHTRA					
AHMEDNAGAR	-93%	-70%	22%	-6%	12%
AKOLA	-99%	-69%	11%	-11%	5%
AMRAOTI	-58%	18%	18%	-15%	14%
AURANGABAD	-100%	-46%	-2%	-38%	-9%
BEED	50%	-42%	37%		
BHANDARA	-80%	26%	-22%	-11%	-21%
BULDHANA	-70%	-15%	14%	-34%	7%
CHANDRAPUR	-90%	126%	22%	17%	22%
DHULE	-100%	-58%	-20%		
GADCHIROLI	-75%	1%	24%	27%	23%
GONDIA	-87%	117%	1%	-25%	1%
HINGOLI		-33%	-6%		
JALGAON	-100%	-58%	-1%	-10%	-4%
JALNA	-100%	-63%	28%	-14%	19%
KOLHAPUR	-100%	-83%	-7%	-75%	-16%
LATUR	23%	-3%	34%	29%	32%
MUMBAI CITY	-100%	-77%	22%	-22%	20%
MUMBAI SUBURBAN	-100%	-52%	30%	-20%	27%
NAGPUR	-28%	-28%	-14%	-18%	-15%
NANDED	-100%	-27%	25%	13%	21%
NANDURBAR	-100%	-79%	-16%		
NASHIK	-100%	43%	24%	-32%	19%
OSMANABAD	-2%	-25%	20%	4%	15%
PALGHAR	-100%	-53%	26%	-25%	24%
PARBHANI	-96%	-55%	21%	-12%	14%
PUNE	-69%	-49%	32%	-51%	20%
RAIGAD	-100%	-79%	25%	-15%	22%
RATNAGIRI	250%	-93%	34%	-16%	31%
SANGLI	32%	-66%	16%	-88%	-13%
SATARA	154%	-67%	37%	-57%	18%
SHOLAPUR	-84%	-55%	8%	-40%	-6%

DISTRICTS	WINTER	PRE-MONSOON	MONSOON	POST-MONSOON	ANNUAL
SINDHUDURG	-100%	-96%	14%	-35%	9%
THANE			9%		
WARDHA	-43%	-11%	10%	-31%	4%
WASHIM	-69%	53%	-3%	-15%	-4%
YEOTMAL	-64%	2%	2%	-19%	-1%
MANIPUR					
CHANDEL		61%		-53%	
IMPHAL EAST	-33%	31%	-39%	-3%	-18%
IMPHAL WEST	23%	328%	130%	47%	155%
THOUBAL		85%		2%	
UKHRUL		-98%			
MEGHALAYA					
EAST GARO HILLS	-26%	60%	46%	54%	50%
EAST KHASI HILLS	-43%	51%	-6%	12%	6%
JAINTIA HILLS	-78%				
RI-BHOI	-62%	-19%	-45%	-41%	-40%
SOUTH GARO HILLS		-67%		61%	
WEST GARO HILLS	-62%	-3%	-28%	-62%	-25%
WEST KHASI HILLS	-59%	-75%			
MIZORAM					
AIZWAL	-63%	17%	-18%	-20%	-11%
KOLASIB					
LUNGLEI	47%		-27%	-57%	
SAIHA	-12%	-7%	5%	1%	1%
SERCHHIP	-2%	-94%	0%	-31%	-24%
NAGALAND					
DIMAPUR	53%	10%	42%	-48%	23%
KEPHIRE	-73%			-44%	
KOHIMA	-29%	-37%	-33%	3%	-31%
MOKOKCHUNG	-65%			-69%	
MON	-16%				
PHEK	-42%	-1%	-30%	-12%	-23%

DISTRICTS	WINTER	PRE-MONSOON	MONSOON	POST-MONSOON	ANNUAL
WOKHA	-18%	-81%	-19%	22%	-30%
ODISHA					
ANGUL	-3%	-32%	-16%	-17%	-17%
BALASORE	18%	-3%	-11%	5%	-7%
BARGARH	-35%	-14%	-18%	-14%	-18%
BHADRAK	4%	9%	5%	-27%	1%
BOLANGIR	-61%	-59%	-26%	9%	-27%
BOUDHGARH	-97%	-75%	-8%	-57%	-22%
CUTTACK	-97%	-22%	-5%	-31%	-12%
DEOGARH	-38%	-65%	-38%	-34%	-39%
DHENKANAL	31%	-10%	-13%	-50%	-16%
GAJAPATI	-91%	-25%	-2%	-20%	-11%
GANJAM	-43%	-15%	-9%	-45%	-18%
JAGATSINGHPUR	-92%	20%	7%	-10%	4%
JAJPUR	-13%	-17%	0%	-43%	-7%
JHARSUGUDA	-48%	-53%	-20%	-57%	-25%
KALAHANDI	-96%	-57%	-9%	46%	-9%
KANDHAMAL	-91%	-68%	-16%	-25%	-24%
KENDRAPARA	-73%	27%	8%	-8%	5%
KEONJHARGARH	34%	-6%	-8%	-55%	-11%
KHURDA	-87%	-39%	-14%	-60%	-25%
KORAPUT	-100%	11%	11%	-37%	4%
MALKANGIRI	-42%	-60%	-7%	35%	-7%
MAYURBHANJ	59%	-35%	-11%	-31%	-14%
NAWAPARA	-90%	-87%	-4%	-27%	-13%
NAWARANGPUR	-87%	-33%	-6%	-13%	-11%
NAYAGARH	-62%	20%	-17%	-55%	-21%
PURI	-42%	22%	2%	-45%	-6%
RAYAGADA	-78%	-40%	-4%	-33%	-14%
SAMBALPUR	-65%	-39%	-24%	-25%	-25%
SONEPUR	-7%	-76%	-23%	-14%	-25%
SUNDARGARH	-64%	-62%	-13%	-30%	-18%

DISTRICTS	WINTER	PRE-MONSOON	MONSOON	POST-MONSOON	ANNUAL
PONDICHERY (UT)					
KARAIKAL	-99%	141%	-16%	-77%	-57%
PUDUCHERRY	-98%	50%	1%	-81%	-51%
PUNJAB					
AMRITSAR	-56%	-24%	-16%	-87%	-25%
BARNALA	-53%	61%	6%	-100%	-1%
BHATINDA	-72%	106%	-10%	-100%	-11%
FARIDKOT	-59%	129%	0%	-100%	3%
FATEHGARH SAHIB	-100%	3%	-53%	-85%	-54%
FEROZEPUR	-84%	-56%	-67%	-94%	-69%
GURDASPUR	-92%	1%	0%	-94%	-15%
HOSHIARPUR	-79%	-40%	-48%	-97%	-53%
JALANDHAR	-66%	-35%	-44%	-94%	-48%
KAPURTHALA	-73%	65%	41%	-97%	22%
LUDHIANA	-56%	-32%	-43%	-83%	-46%
MANSA	-86%	-8%	-36%	-100%	-42%
MOGA	-80%	1%	53%	-94%	28%
MUKTSAR	-63%	215%	-2%	-100%	8%
NAWANSHAHAR	-61%	7%	-34%	-75%	-35%
PATIALA	-92%	73%	-61%	-95%	-57%
ROPAR	-80%	-23%	-2%	-72%	-14%
SANGRUR	-84%	68%	-33%	-99%	-32%
SAS NAGAR (MOHALI)	-100%	66%	-30%	-52%	-28%
TARN TARAN	-50%	17%	-11%	-100%	-18%
RAJASTHAN					
AJMER	-73%	-89%	25%	358%	30%
ALWAR	-95%	138%	12%	-64%	11%
BANSWARA	-100%	-100%	23%	87%	24%
BARAN	-54%	-26%	47%	-14%	42%
BARMER	-98%	-87%	-3%	198%	-3%
BHARATPUR	-100%	19%	15%	0%	11%
BHILWARA	-96%	-54%	57%	-36%	48%

DISTRICTS	WINTER	PRE-MONSOON	MONSOON	POST-MONSOON	ANNUAL
BIKANER	-79%	-27%	16%	-5%	7%
BUNDI	-96%	-54%	34%	-37%	28%
CHITTORGARH	-100%	-69%	84%	16%	77%
CHURU	-80%	54%	30%	100%	31%
DAUSA	-100%	-7%	26%	-34%	20%
DHOLPUR	-100%	67%	-2%	-59%	-6%
DUNGARPUR	-100%	-100%	32%	26%	30%
HANUMANGARH	-69%	34%	-19%	-74%	-19%
JAIPUR	-84%	-30%	9%	18%	5%
JAISALMER	-76%	-41%	-12%	11%	-15%
JALORE	-100%	-97%	10%	166%	13%
JHALAWAR	-54%	0%	30%	-59%	25%
JHUNJHUNU	-98%	-16%	30%	-44%	19%
JODHPUR	-83%	-88%	48%	162%	40%
KARALI	-97%	8%	13%	22%	10%
KOTA	-84%	-40%	22%	-40%	16%
NAGOUR	-86%	-65%	23%	108%	18%
PALI	-97%	-87%	90%	75%	82%
PRATAPGARH	-100%	-100%	50%	3%	44%
RAJSAMAND	-100%	-67%	58%	134%	56%
SAWAI MADHOPUR	-97%	-39%	38%	-18%	32%
SIKAR	-93%	27%	20%	13%	16%
SIROHI	-100%	-89%	1%	180%	3%
SRI GANGANAGAR	-36%	-32%	-34%	-99%	-37%
TONK	-85%	-72%	29%	-11%	23%
UDAIPUR	-100%	-86%	44%	108%	43%
SIKKIM					
EAST SIKKIM	-75%	29%	-14%	-49%	-10%
NORTH SIKKIM	-27%	16%	9%	-58%	2%
SOUTH SIKKIM	-81%	-44%	-13%	-33%	-23%
WEST SIKKIM	-90%	-51%	-8%	-67%	-30%
TAMILNADU					

DISTRICTS	WINTER	PRE-MONSOON	MONSOON	POST-MONSOON	ANNUAL
ARIYALUR	-100%	-12%	-19%	-76%	-50%
CHENNAI	-99%	239%	13%	-57%	-22%
COIMBATORE	13%	-21%	17%	-57%	-27%
CUDDALORE	-98%	19%	-10%	-81%	-52%
DHARMAPURI	-100%	-41%	-32%	-70%	-49%
DINDIGUL	-97%	-36%	-44%	-48%	-46%
ERODE	-100%	-58%	-24%	-76%	-56%
KANCHEEPURAM	-99%	162%	-1%	-48%	-19%
KANYAKUMARI	-58%	10%	-36%	-69%	-39%
KARUR	-100%	23%	-41%	-78%	-50%
KRISHNAGIRI	-98%	-1%	-18%	-59%	-30%
MADURAI	-99%	-52%	-37%	-46%	-45%
NAGAPATTINAM	-99%	107%	-14%	-74%	-53%
NAMAKKAL	-100%	-39%	-29%	-80%	-51%
NILGIRIS	-75%	-49%	-32%	-49%	-42%
PERAMBALUR	-100%	55%	-7%	-71%	-34%
PUDUKKOTTAI	-100%	-20%	-33%	-61%	-47%
RAMANATHAPURAM	-93%	-20%	-33%	-61%	-52%
SALEM	-100%	-23%	-21%	-73%	-42%
SIVAGANGA	-100%	42%	26%	-62%	-19%
THANJAVUR	-100%	29%	-9%	-62%	-38%
THENI	-91%	-46%	-17%	-61%	-49%
TIRUNELVELI	-83%	-33%	-28%	-60%	-51%
TIRUPPUR	-100%	-7%	-48%	-35%	-33%
TIRUVALLUR	-96%	136%	-10%	-58%	-29%
TIRUVANNAMALAI	-66%	-15%	-10%	-61%	-34%
TIRUVARUR	-100%	92%	-30%	-65%	-45%
TOOTHUKUDI	-92%	-56%	-75%	-63%	-65%
TRICHY	-100%	19%	-28%	-66%	-42%
VELLORE	-94%	-23%	-10%	-49%	-27%
VILLUPURAM	-99%	17%	-19%	-65%	-41%
VIRUDHUNAGAR	-93%	-49%	-41%	-59%	-54%

DISTRICTS	WINTER	PRE-MONSOON	MONSOON	POST-MONSOON	ANNUAL
TELANGANA					
ADILABAD	-82%	32%	9%	-6%	7%
HYDERABAD	-91%	91%	30%	-44%	22%
KARIMNAGAR	-98%	97%	27%	-20%	23%
KHAMMAM	-88%	-26%	12%	-25%	3%
MAHBUBNAGAR	-95%	22%	3%	-84%	-9%
MEDAK	-97%	-21%	22%	-15%	13%
NALGONDA	-79%	78%	43%	-65%	23%
NIZAMABAD	-85%	32%	26%	-16%	21%
RANGAREDDY	-92%	41%	20%	-73%	8%
WARANGAL	-80%	19%	27%	-39%	17%
TRIPURA					
DHALAI	52%	6%	-7%	3%	-1%
NORTH TRIPURA	139%	49%	-11%	11%	13%
SOUTH TRIPURA	-19%	-4%	-21%	67%	-9%
WEST TRIPURA	-28%	7%	-41%	27%	-21%
UTTAR PRADESH					
AGRA	-99%	1%	-14%	-82%	-20%
ALIGARH	-98%	8%	-10%	-91%	-18%
ALLAHABAD	-62%	59%	4%	-40%	1%
AMBEDKAR NAGAR	-69%	124%	-21%	-90%	-21%
AMETHI	-91%	-20%	-29%	-62%	-32%
AURAIYA	-77%	-35%	-43%	-55%	-45%
AZAMGARH	-66%	132%	14%	-84%	10%
BADAUN	-89%	53%	-13%	-70%	-18%
BAGHPAT	-99%	48%	-31%	-100%	-34%
BAHRAICH	-88%	115%	1%	40%	6%
BALLIA	-82%	100%	-7%	-24%	-6%
BALRAMPUR	-100%	-45%	-37%	-49%	-40%
BANDA	-35%	59%	39%	-78%	30%
BARABANKI	-84%	0%	-31%	-63%	-33%
BAREILLY	-91%	127%	30%	-82%	22%

DISTRICTS	WINTER	PRE-MONSOON	MONSOON	POST-MONSOON	ANNUAL
BASTI	-86%	20%	-16%	-38%	-17%
BIJNOR	-89%	31%	-4%	-88%	-12%
BULANDSHAHAR	-93%	23%	-19%	-84%	-24%
CHANDAULI	-90%	-78%	15%	-97%	3%
DEORIA	-94%	10%	-42%	-88%	-44%
ETAH	-100%	-22%	15%	-91%	3%
ETAWAH	-77%	-51%	-32%	-86%	-38%
FAIZABAD	-85%	11%	-24%	-47%	-26%
FARRUKHABAD	-97%	-80%	-63%	-82%	-66%
FATEHPUR	-79%	64%	-34%	-54%	-35%
FIROZABAD	-92%	-10%	-26%	-63%	-30%
GAUTAM BUDDHA NAGAR	-100%	-83%	-45%	-71%	-51%
GHAZIABAD	-100%	-8%	-63%	-94%	-64%
GHAZIPUR	-88%	108%	12%	-62%	7%
GONDA	-71%	28%	-22%	-63%	-24%
GORAKHPUR	-87%	88%	-35%	-53%	-33%
HAMIRPUR	-77%	292%	10%	-52%	9%
HARDOI	-82%	-59%	-13%	-88%	-22%
JALAUN	-77%	47%	-18%	-41%	-20%
JAUNPUR	-93%	29%	-19%	-83%	-23%
JHANSI	-73%	18%	-30%	-56%	-31%
JYOTIBA PHULE NAGAR	-99%	75%	-2%	-100%	-10%
KANNAUJ	-85%	-100%	-60%	-75%	-63%
KANPUR CITY	-68%	196%	-46%	-51%	-42%
KANPUR DEHAT	-80%	-14%	-61%	-54%	-61%
KANSHIRAM NAGAR	-96%	-17%	23%	-97%	9%
KAUSHAMBI	-80%	-52%	-39%	-100%	-44%
KHERI	-94%	127%	17%	-47%	13%
KUSHI NAGAR	-94%	67%	-69%	-98%	-65%
LALITPUR	-51%	51%	-8%	-73%	-11%
LUCKNOW	-78%	40%	-21%	-52%	-24%
MAHAMAYA NAGAR	-100%	-62%	-7%	-36%	-13%

DISTRICTS	WINTER	PRE-MONSOON	MONSOON	POST-MONSOON	ANNUAL
MAHARAJGANJ	-98%	53%	-33%	-35%	-31%
MAHOBA	-72%	-52%	6%	-84%	-1%
MAINPURI	-87%	-29%	-56%	-86%	-58%
MATHURA	-100%	-96%	4%	-100%	-8%
MAU	-100%	25%	-43%	-100%	-45%
MEERUT	-96%	36%	-39%	-100%	-42%
MIRZAPUR	-66%	84%	56%	-41%	48%
MORADABAD	-92%	109%	4%	-99%	-3%
MUZAFFARNAGAR	-90%	121%	-36%	-100%	-36%
PILIBHIT	-89%	-25%	-47%	-97%	-51%
PRATAPGARH	-61%	203%	-12%	-36%	-10%
RAE BAREILLY	-88%	20%	-36%	-70%	-39%
RAMPUR	-93%	38%	-31%	-100%	-34%
SAHARANPUR	-91%	70%	-33%	-93%	-35%
SAHUJI MAHARAJ NAGAR	-51%	-48%	18%	-93%	9%
SANT KABIR NAGAR	-48%	57%	4%	42%	6%
SANT RAVIDAS NAGAR	-51%	91%	16%	-87%	11%
SHAHJAHANPUR	-84%	21%	-23%	-90%	-29%
SHRAWASTI NAGAR			3%		
SIDDHARTH NAGAR	-100%	8%	-36%	-59%	-37%
SITAPUR	-84%	25%	-29%	-97%	-34%
SONBHADRA	-34%	56%	44%	-29%	38%
SULTANPUR	-59%	305%	1%	-26%	7%
UNNAO	-68%	-5%	-41%	-64%	-42%
VARANASI	-67%	91%	24%	-84%	17%
UTTARAKHAND					
ALMORA	-81%	6%	0%	-99%	-13%
BAGESHWAR	-92%	108%	28%	-96%	17%
CHAMOLI	-73%	2%	39%	-86%	14%
CHAMPAWAT	-83%	-1%	-12%	-82%	-20%
DEHRADUN	-60%	-27%	-34%	-83%	-37%
GARHWAL PAURI	-80%	-23%	-26%	-98%	-32%

DISTRICTS	WINTER	PRE-MONSOON	MONSOON	POST-MONSOON	ANNUAL
GARHWAL TEHRI	-51%	-40%	-28%	-95%	-35%
HARDWAR	-78%	32%	4%	-92%	-3%
NAINITAL	-79%	86%	7%	-86%	2%
PITHORAGARH	-57%	30%	-25%	-51%	-23%
RUDRAPRAYAG	-80%	-11%	-1%	-81%	-11%
UDHAM SINGH NAGAR	-96%	54%	-43%	-97%	-44%
UTTARKASHI	-50%	-48%	-12%	-73%	-25%
WEST BENGAL					
BANKURA	-46%	-6%	10%	-62%	0%
BIRBHUM	30%	-16%	1%	-72%	-7%
BURDWAN	30%	-1%	15%	-61%	7%
COOCH BEHAR	-73%	-15%	-15%	-25%	-16%
DARJEELING	-88%	-40%	12%	110%	7%
EAST MIDNAPORE	85%	-10%	-3%	-6%	-3%
HOOGLY	-60%	-44%	-6%	-29%	-14%
HOWRAH	182%	-71%	-19%	-5%	-20%
JALPAIGURI	-66%	0%	13%	29%	12%
KOLKATA	142%	-25%	-1%	-3%	-1%
MALDA	-30%	-30%	-6%	-41%	-12%
MURSHIDABAD	73%	-14%	-24%	-60%	-25%
NADIA	32%	27%	14%	-29%	12%
NORTH 24 PARGANAS	155%	-5%	8%	-10%	7%
NORTH DINAJPUR			-15%	-12%	
PURULIA	-41%	-33%	13%	-74%	0%
SOUTH 24 PARGANAS	75%	-46%	-9%	-49%	-17%
SOUTH DINAJPUR	-100%	-72%	-41%	-40%	-46%
WEST MIDNAPORE	49%	-15%	-7%	-38%	-9%

season only 12 districts remained in Large Deficient category of rainfall. During Winter and Post-Monsoon seasons more than half the districts were in Deficient/ Large Deficient/ No Rain category of rainfall.

Table 25: Category-wise Number of Districts - Seasonally and Annually - Year 2016

CATEGORY	WINTER	PRE-MONSOON	MONSOON	POST-MONSOON	ANNUAL
L. EXCESS	16	107	8	48	6
EXCESS	28	108	105	44	83
NORMAL	62	151	313	89	280
DEFICIENT	104	154	187	177	229
L. DEFICIENT	294	83	12	238	12
NO RAIN	120	21	0	24	0
NO DATA	36	36	35	40	50

The categorywise seasonal and annual distribution of no. of districts of India has been given in **Table 25** and a chart depicting the distribution is also given at **Figure 82**. It may be observed that in Pre-monsoon, Monsoon and annually, more than half the districts out of the 660 districts experienced excess or normal rainfall. Annually and during Monsoon

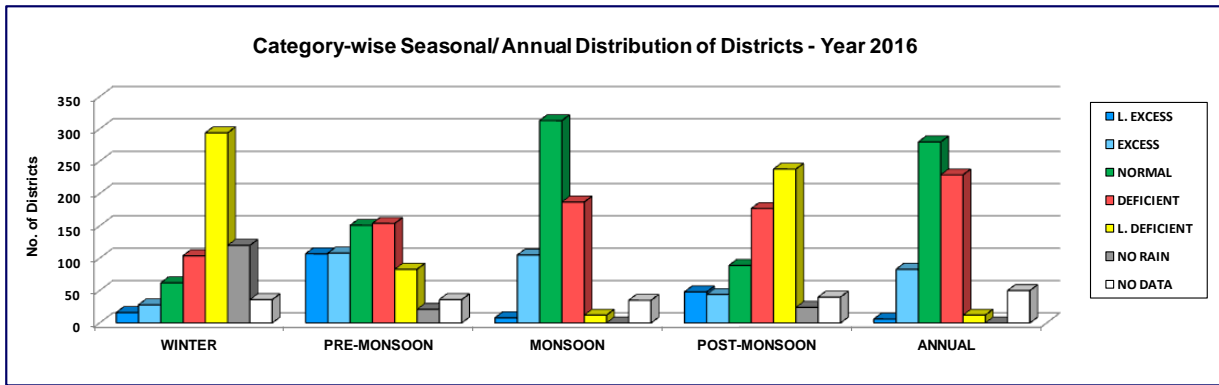


Figure 82: Categorywise Seasonal and Annual Distribution of No. of Districts – 2016

Distribution of districts of India in terms of their areas under different categories in the four seasons and for the year 2016 has been depicted in Figure 83.

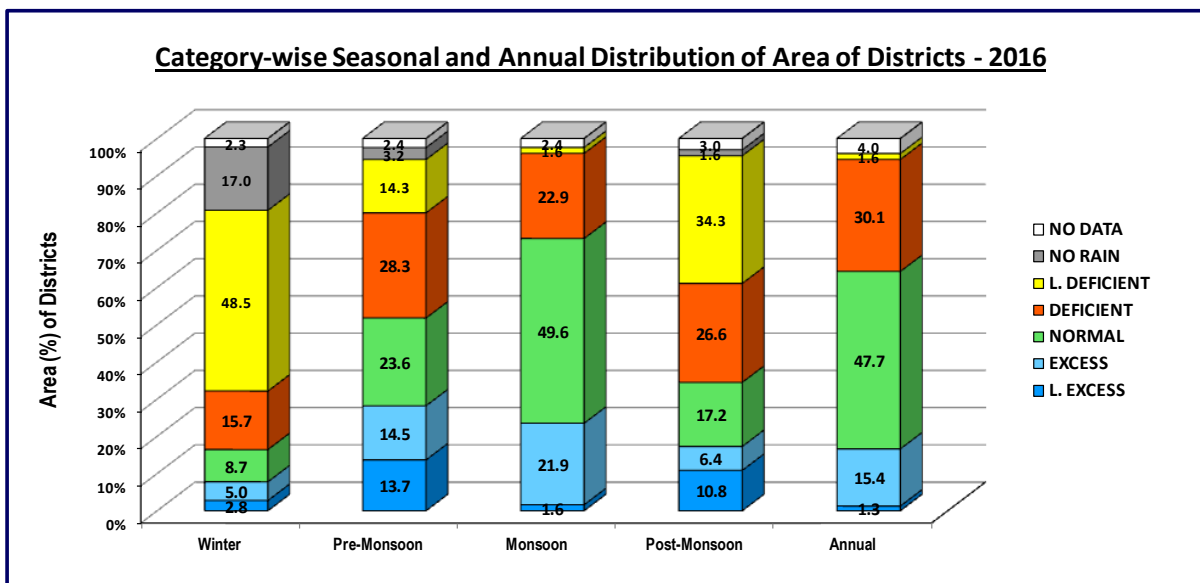


Figure 83: Category-wise distribution of Area of Districts – Seasonally and Annually – Year 2016

AREA (%) OF DISTRICTS UNDER RAINFALL DEFICIENCY – SW Monsoon 2016

Area (%) of the districts of India during SW monsoon (June-September) under different categories of rainfall deficiency have been given below in tabular form in Table 26 and has been depicted in graphical form in Figure 84 as well. Rainfall data of about 2% area of districts was not available during the monsoon season.

In all, there were 27 districts of India that recorded deficiency in rainfall of 50% or more but less than 75% during the South-West Monsoon season. Two districts, namely, Laul & Spiti in Himachal Pradesh and Toothukudi in Tamilnadu experienced rainfall deficiency of 75% or more.

Table 26: Area (%) of Districts of the country under Rainfall Deficiency - Monsoon 2016

Deficiency in Rainfall	% Area of Districts of India
< 26 % or No deficiency	79%
26 % or more but < 50 %	16%
50 % or more	3%

It may be observed from Figures 23, 80 and 84 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.

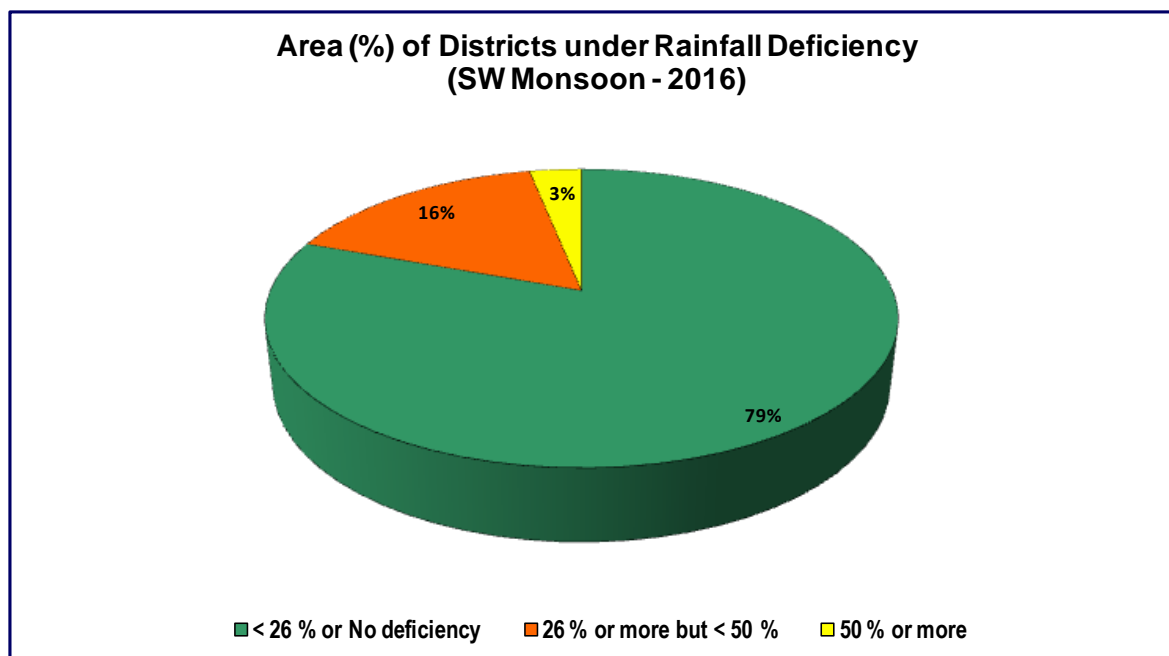


Figure 84: Area (%) of Districts under Rainfall Deficiency – SW Monsoon 2016

DISTRICT-WISE MONTHLY RAINFALL STATISTICS

The district-wise observed monthly rainfall is given in Table 27. Also the percent departures of observed monthly rainfall from their normals have been given in Table 28. 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 27: District-wise Monthly Rainfall (mm) – Year 2016

DISTRICTS	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
A & N ISLAND (UT)												
NICOBAR	164.3	69.4	0.0	5.0	136.0	495.9	117.6	204.8	532.0	285.6	190.8	696.2
NORTH & MIDDLE ANDAMAN	27.2	0.0	0.0	0.0	180.2	327.7	312.0	211.3	492.5	264.1	177.2	427.9
SOUTH ANDAMAN	63.9	0.0	14.7	3.5	237.0	499.4	402.9	259.7	770.9	313.5	180.9	548.8
ANDHRA PRADESH												
ANANTAPUR	9.8	0.0	0.1	0.5	94.8	96.9	108.0	12.7	43.8	5.3	2.6	19.6
CHITTOOR	2.9	0.0	2.9	0.4	106.7	137.4	153.5	22.3	46.1	32.7	11.6	147.5
CUDDAPAH	14.7	0.0	0.1	0.1	47.7	133.9	137.4	61.0	110.2	12.4	6.5	66.7
EAST GODAVARI	2.1	0.2	0.4	0.0	143.6	236.5	221.0	138.3	265.8	67.9	11.3	4.4
GUNTUR	0.2	0.0	0.0	0.2	112.8	199.6	87.5	194.1	289.9	71.5	1.9	7.6
KRISHNA	1.0	0.0	1.2	0.0	118.7	312.4	112.9	174.4	201.2	76.0	8.8	10.3
KURNOOL	4.3	0.0	0.3	0.5	71.1	151.0	131.0	72.1	163.2	9.0	2.2	1.6
NELLORE	7.0	0.0	0.0	0.6	123.4	88.5	67.8	24.8	61.7	29.0	32.2	159.0
PRAKASAM	0.4	0.0	5.4	0.1	58.7	100.4	59.8	91.6	147.0	14.3	10.9	60.9
SRIKAKULAM	1.2	6.4	6.1	8.4	189.6	185.9	155.8	111.3	293.9	103.6	36.9	0.7

VISHAKHAPATNAM	0.4	3.7	11.2	10.8	160.0	189.3	207.8	148.0	284.2	95.4	7.3	1.1
VIZIANAGARAM	0.3	0.0	6.8	14.7	156.5	200.3	204.2	126.9	335.4	103.5	2.0	0.6
WEST GODAVARI	1.1	0.0	2.7	0.0	101.4	333.3	173.1	162.1	315.6	46.0	9.4	3.9
ARUNACHAL PRADESH												
ANJAW	17.4					189.6	450.0			121.0		0.0
CHANGLANG	11.1	49.8	136.2	671.2	232.7	234.8	442.6	167.9	304.8	88.0	19.7	6.6
DIBANG VALLEY	52.0	113.0	103.0	82.0						229.0	14.0	0.0
EAST KAMENG	0.0	0.2	19.5	110.5	81.3	133.9	175.2	96.3	134.1	28.2	0.0	0.0
EAST SIANG	14.9	61.9	57.7	499.0	323.6	556.6	1207.1	162.2	925.5	217.8	0.2	11.7
KURUNG KUMEY												
LOHIT	20.1	125.8	225.1	611.2	408.2	266.9	668.2	231.4	265.0	86.6	13.8	13.6
LOWER DIBANG VALLEY	42.7	139.1	181.7	1330.4	536.0	436.4	1813.7	245.6	793.3	384.5	23.6	0.0
PAPUMPARA	41.4	31.1	123.4	451.6	330.5	626.2	848.9	178.3	714.6	186.5	1.2	6.8
TAWANG	30.0	20.0	205.0	509.0	245.0	257.0	507.2	189.0	206.0	45.0	60.0	12.0
TIRAP		56.4	89.4	590.4	257.6	377.2	445.0	262.8	349.2	67.0	24.8	3.2
UPPER SIANG	61.6	185.8	437.0	344.4	624.0	741.6	782.6	219.5	1169.0	352.2	0.0	0.0
UPPER SUBANSIRI	19.0	48.6	66.6	176.5	217.7	338.1	383.4	109.9	686.8	178.6	0.0	10.8
WEST KAMENG	9.5	1.9	41.6	66.7	121.0	220.2	449.1	106.0	121.5	71.5	0.0	2.2
WEST SIANG	36.0	72.0	80.0	103.9	156.7	431.8	382.9	33.5	463.7	164.6	0.6	7.0
ASSAM												
BAKSA	37.0	2.5	77.1	247.5	349.5	367.6	511.1	108.8	187.5	86.1	0.0	11.6
BARPETA	7.8	0.5	52.0	340.1	340.7	580.8	712.8	122.7	363.0	112.7	0.0	0.0
BONGAIGAON	7.0	0.0	63.6	372.8	397.4	722.2	720.2	116.4	299.3	106.2	0.0	0.0
CACHAR	3.5	63.8	82.4	565.9	460.4	336.1	451.5	346.6	526.7	186.5	65.3	10.8
CHIRANG	23.2	19.4	53.2	374.2	570.3	748.0	1227.4	135.4	377.6	102.0	0.0	0.0
DHEMAJI	12.0		32.0	2.0		345.0	414.0	192.0	303.0	154.0	3.0	9.0
DHUBRI	8.4	0.3	102.6	235.5	444.3	596.3	418.1	190.9	231.0	171.8	0.0	1.4
DIBRUGARH	24.6	59.3	117.9	463.1	293.7	311.5	387.9	212.1	290.0	101.9	14.8	4.2
GOALPARA	4.5	0.5	106.1	313.0	444.7	329.3	631.2	188.1	281.6	137.9	0.1	0.8
GOLAGHAT	21.8	1.7	48.4	279.5	258.3	262.5	388.1	156.2	238.7	39.6	35.7	3.1
HAILAKANDI	8.0	69.2	54.6	809.0	725.0	383.4	366.7	261.7	430.2	117.7	98.0	8.6
JORHAT	28.6	19.9	64.0	423.7	312.7	313.5	423.3	114.3	286.7	93.8	15.8	32.9
KAMRUP (RURAL)	1.7	4.8	58.5	542.0	316.9	276.6	348.5	105.8	142.5	34.5	0.0	0.0
KAMRUP METRO.	21.3	4.5	25.0	210.7	239.3	377.6	293.1	102.6	67.7	74.0	0.2	1.6
KARBI ANGLONG	28.9	4.9	28.9	176.1	135.8	221.5	303.2	268.9	202.6	105.3	85.0	11.1
KARIMGANJ	8.9	52.9	107.6	910.8	611.5	446.2	490.4	365.8	487.8	211.9	241.8	17.6
KOKRAJHAR	14.2	0.0	119.1	246.3	452.9	758.4	581.8	106.1	367.4	166.8	0.0	0.3
LAKHIMPUR	26.8	57.0	99.0	272.9	260.3	490.3	856.3	221.5	471.0	181.9	3.1	0.9
MORIGAON	1.6	0.4	35.4	170.2	223.6	236.8	298.4	102.8	377.2	218.7	2.8	9.2
N. C. HILLS	18.6	19.5	77.4	553.2	774.6	148.8	119.1	65.8	187.8	45.3	164.9	2.7
NAGAON	24.8	16.3	23.8	153.8	153.1	221.6	219.2	153.3	160.2	69.6	62.8	10.1
NALBARI	32.1	2.8	89.8	422.8	292.7	372.0	513.3	149.7	233.1	52.5	0.0	1.4
SHONITPUR	45.7	14.9	42.1	228.6	295.8	158.4	264.9	161.1	175.9	81.7	0.1	2.4
SIBSAGAR	22.7	27.4	137.7	457.5	334.3	218.7	329.7	228.8	304.7	76.1	19.7	10.2
TINSUKIA	13.2	70.0	150.6	551.7	306.1	221.5	484.6	244.0	354.7	135.1	13.1	7.1
UDALGURI	33.7	3.9	40.8	413.1	285.3	156.3	342.7	97.4	231.9	75.9	2.9	11.1
BIHAR												
ARARIA	27.8	0.0	29.6	1.0	193.4	276.4	690.4	149.8	564.6	124.9	0.0	0.0
ARWAL	3.3	0.0	4.2	0.0	7.6	99.3	368.9	267.8	378.6	96.5	0.0	0.0
AURANGABAD	15.7	0.0	7.4	0.0	11.6	124.4	346.4	288.4	419.3	152.6	0.0	0.0
BANKA	18.3	0.0	0.0	0.0	66.0	267.2	281.0	190.8	377.3	77.3	0.0	0.0
BEGUSARAI	5.2	0.0	0.0	0.0	68.3	80.2	285.8	72.4	400.2	40.7	0.0	0.0

BHABUA	13.1	0.0	10.1	0.0	3.1	55.7	400.5	390.5	251.9	39.9	0.0	0.0
BHAGALPUR	23.6	0.9	1.6	7.2	92.0	104.9	315.3	117.1	320.1	27.1	0.0	0.0
BHOJPUR	2.0	0.0	4.2	0.0	47.9	51.0	331.7	110.2	320.3	7.0	0.0	0.0
BUXAR	0.0	0.0	0.0	0.0	0.0	117.8	342.2	128.8	213.0	132.0	0.0	0.0
DARBHANGA	0.0	1.8	1.0	4.6	141.3	149.5	354.9	75.3	378.1	45.5	0.0	0.0
EAST CHAMPARAN	8.6	0.4	0.0	4.8	143.4	113.8	234.9	45.0	322.6	22.0	0.0	0.0
GAYA	23.2	0.3	11.6	0.0	5.8	85.3	399.2	296.2	463.2	119.7	0.0	0.0
GOPALGANJ	0.0	0.0	0.0	0.0	113.0	99.5	257.1	48.5	327.9	19.0	0.0	0.0
JAHANABAD	16.2	0.0	3.6	0.0	10.4	77.4	278.9	178.2	436.4	57.8	0.0	0.0
JAMUI	19.6	0.0	0.8	0.0	21.1	100.0	284.9	316.5	342.2	28.2	0.0	0.0
KATIHAR	0.0	0.0	0.0	13.6	91.2	67.3	363.7	97.5	329.2	62.7	0.0	0.0
KHAGARIA	5.4	3.2	0.0	17.5	69.4	40.4	227.1	100.0	241.4	26.1	0.0	0.0
KISHANGANJ	0.0	0.3	4.6	0.0	236.7	425.0	827.7	174.8	676.0	141.1	0.0	0.0
LAKHISARAI	16.1	0.0	7.3	0.0	32.6	72.2	341.0	165.5	439.9	29.9	0.0	0.0
MADHEPURA	1.2	0.0	0.0	16.0	133.8	176.6	359.8	120.2	440.6	73.2	0.0	0.0
MADHUBANI	7.1	0.0	4.0	0.0	95.6	201.0	287.3	88.1	306.1	18.4	0.0	0.0
MONGHYR	4.6	0.0	0.0	0.0	41.2	15.0	219.6	121.4	466.2	31.0	0.0	0.0
MUZAFFARPUR	0.0	6.5	0.0	11.4	92.9	85.0	266.9	74.2	318.9	29.3	0.0	0.0
NALANDA	9.3	0.0	9.3	0.0	44.0	99.1	394.8	143.7	272.9	67.0	0.0	0.0
NAWADA	29.5	0.0	3.7	0.0	5.7	88.0	270.9	250.9	301.9	48.8	0.0	0.0
PATNA	2.6	0.0	2.4	0.0	80.3	75.9	289.5	110.5	383.7	52.3	0.0	0.0
PURNEA	6.0	1.2	24.3	22.0	280.3	217.6	396.8	113.6	333.2	71.5	0.0	0.0
ROHTAS	25.5	1.7	32.3	0.0	15.1	54.0	489.3	245.2	261.1	57.2	0.0	0.0
SAHARSA	0.0	0.0	0.0	0.0	106.2	87.4	298.7	70.7	444.1	60.9	0.0	0.0
SAMASTIPUR	0.0	0.0	0.0	0.0	127.4	121.7	465.2	73.4	351.9	96.2	0.0	0.0
SARAN	3.7	0.5	0.0	0.0	56.4	54.0	239.1	114.5	278.1	47.7	0.0	0.0
SHEIKHPURA	0.0	0.0	0.0	0.0	36.6	180.9	211.5	230.5	282.5	105.8	0.0	0.0
SHEOHAR	0.0	0.0	0.0	0.0	11.2	13.8	237.2	56.0	273.3	0.0	0.0	0.0
SITAMARHI	0.0	0.0	0.0	0.0	50.5	115.6	191.6	61.6	322.6	2.2	0.0	0.0
SIWAN	0.0	0.0	0.0	0.0	50.5	39.7	313.8	123.2	315.6	47.0	0.0	0.0
SUPAUL	18.1	0.0	0.0	28.1	189.2	311.8	300.2	139.3	448.3	120.9	0.0	0.0
VAISHALI	3.7	0.0	3.4	0.0	94.2	66.7	306.8	90.7	260.5	58.1	0.0	0.0
WEST CHAMPARAN	0.0	2.1	4.5	8.2	131.4	242.7	528.9	89.4	362.3	43.4	0.0	0.0
CHANDIGARH (UT)												
CHANDIGARH	0.0	1.3	57.9	15.8	59.5	133.6	131.1	150.5	41.7	0.1	0.1	22.8
CHHATTISGARH												
BALOD	22.1	0.0	69.3	0.0	13.6	336.5	308.7	227.8	390.6	158.8	0.0	0.0
BALODA BAZAR	9.8	2.5	0.0	0.0	0.0	116.8	356.8	142.8	196.9	29.6	0.0	0.0
BALRAMPUR	0.0	6.0	31.0	0.0	4.7	77.0	336.7	665.0	137.5	82.0	0.0	0.0
BASTAR	0.6	2.3	83.6	39.7	47.0	438.4	441.3	323.7	296.9	148.1	0.0	0.0
BEMETARA	10.0	8.3	39.2	2.0	29.0	122.3	305.5	124.6	342.6	163.9	0.0	0.0
BIJAPUR	10.2	0.0	5.1	0.0	19.8	273.0	540.3	394.5	356.1	94.8	0.0	0.0
BILASPUR	16.5	7.9	25.5	9.1	97.3	113.3	339.5	242.2	216.1	59.5	0.0	0.0
DANTEWADA	0.2	0.0	13.0	0.0	7.3	228.0	360.1	336.8	487.8	37.5	0.0	0.0
DHAMTARI	7.6	0.0	33.0	2.1	20.2	213.4	278.6	174.9	361.8	73.6	0.0	0.0
DURG	0.0	0.0	19.0	3.0	33.6	220.6	257.8	254.4	344.2	47.6	0.0	0.0
GARIABAND	4.3	3.3	17.9	5.4	5.8	109.4	275.2	265.9	345.7	53.0	0.0	0.0
JANJGIR	0.0	0.7	17.5	1.5	13.7	69.6	460.0	441.8	272.6	42.7	0.0	0.0
JASHPUR	5.2	14.9	3.4	0.0	1.5	166.7	429.3	253.6	233.1	32.1	0.0	0.0
KABIRDHAM	0.0	5.4	8.0	0.0	0.0	131.6	246.6	230.4	244.3	28.5	0.0	0.0
KANKER	0.0	0.0	0.0	0.0	0.0	167.1	525.6	616.6	391.2	118.7	0.0	0.0
KONDAGAON	0.0	0.0	30.4	10.8	5.7	351.4	379.2	389.4	313.0	175.4	0.0	0.0

KORBA	11.8	18.7	28.5	2.0	18.9	56.3	382.8	371.0	398.1	26.7	0.0	0.0
KORIYA	0.0	0.0	35.2	0.0	0.0	81.3	346.8	495.5	221.6	48.9	0.0	0.0
MAHASAMUND	15.0	5.5	16.8	5.6	15.1	115.9	351.2	225.6	387.8	74.1	0.0	0.0
MUNGELI	30.6	0.0	12.0	3.2	17.2	83.1	227.4	328.6	166.0	26.4	0.0	0.0
NARAYANPUR	0.4	0.0	38.5	3.9	85.6	276.1	432.6	533.7	277.4	145.4	0.0	0.0
RAIGARH	4.0	6.3	4.3	0.7	3.5	99.3	394.0	406.7	289.1	44.5	0.0	0.0
RAIPUR	2.4	0.1	13.8	8.3	39.1	155.9	339.8	201.4	363.0	74.6	0.0	0.0
RAJNANDGAON	0.0	0.6	54.9	9.6	4.6	169.6	308.8	238.7	218.0	99.4	0.0	0.0
SUKMA	0.0	0.0	0.0	0.0	3.8	269.3	303.6	327.6	435.7	119.0	0.0	0.0
SURAJPUR	14.0	2.2	26.7	0.0	10.4	2.0	170.8	290.6	146.5	41.7	0.0	0.0
SURGUJA	17.5	2.2	20.9	2.1	27.5	18.5	343.1	698.2	271.9	105.6	0.0	0.0
DADARA & NAGAR HAVELI												
DADARA & NAGAR HAVELI						170.9	1126.4	1075.1	360.0	85.7		
DAMAN & DIU												
DAMAN	0.0					236.1	783.7	786.8	512.0	73.4		
DIU	0.0	0.0	0.4	0.0	0.0	136.7	328.7	240.0	170.5	19.7	0.0	0.0
DELHI												
CENTRAL DELHI	0.0	1.0	6.0	0.0	16.0	15.0	317.0	233.0	102.0	23.0	0.0	0.0
EAST DELHI	0.0	0.0	8.0	0.0	7.0		121.0	30.0	28.0	2.0	0.0	
NEW DELHI	0.0	1.3	29.8	0.0	18.3	27.8	291.5	145.1	71.1	1.5	0.0	0.0
NORTH DELHI	0.0	1.0	12.3	0.4	19.6	39.4	324.9	165.2	50.1	17.7	0.0	0.0
NORTH EAST DELHI	0.0	0.0	22.0	0.0	13.0	13.0	127.0	129.0	10.0	8.0	0.0	0.0
NORTH WEST DELHI	0.0	1.5	9.5	0.0	15.5	51.0	263.0	78.0	42.0	0.0	0.0	0.0
SOUTH DELHI	0.0	0.5	23.9	0.0	37.9	92.1	405.9	51.2	41.5	4.8	0.0	0.0
SOUTH WEST DELHI	0.0	1.7	25.8	0.2	32.6	59.9	340.2	170.4	54.4	3.1	0.0	0.0
WEST DELHI	0.0	0.0	14.0	0.0	0.0	74.0	385.0	29.0	70.0			
GOA												
NORTH GOA	0.0	0.0	0.0	0.0	8.6	1107.3	1012.8	566.8	333.9	119.7	6.6	0.7
SOUTH GOA	0.0	0.0	0.0	0.1	9.0	1307.8	926.2	409.2	263.6	55.8	11.7	1.1
GUJARAT												
AHMEDABAD	0.0	0.0	1.3	0.0	0.2	8.1	129.1	196.0	49.0	52.4	0.0	0.0
AMRELI	0.0	0.0	0.1	0.0	4.9	43.4	178.9	148.5	208.2	103.9	0.0	0.0
ANAND	0.0	0.0	0.3	0.0	2.6	9.7	129.1	218.7	79.4	54.7	0.0	0.0
ARAVALLI	0.0	0.0	0.0	0.0	0.0	36.8	356.8	441.8	44.5	72.8	0.0	0.0
BANASKANTHA	0.0	0.0	0.0	0.0	0.0	19.9	114.8	233.4	20.2	78.3	0.0	0.0
BHARUCH	0.0	0.0	1.1	0.0	0.5	12.3	155.8	127.3	118.6	66.4	0.0	0.0
BHAVNAGAR	0.0	0.0	0.1	0.0	0.3	28.4	225.0	139.7	183.1	66.3	0.0	0.0
BOTAD	0.0	0.0	0.0	0.0	0.0	30.3	110.8	198.8	72.8	124.8	0.0	0.0
CHHOTA UDEPUR	0.0	0.0	1.6	0.0	0.0	44.3	248.8	335.6	166.6	34.9	0.0	0.0
DAHOD	0.0	0.0	0.0	0.0	0.0	44.9	230.5	341.7	113.9	48.9	0.0	0.0
DANGS	0.0	0.0	0.0	0.0	12.5	19.5	759.3	852.9	314.8	74.8	0.5	0.0
DEVBHOO MI DWARKA	0.0	0.0	0.3	0.0	0.0	32.2	149.5	331.6	9.8	49.7	0.0	0.0
GANDHINAGAR	0.0	0.0	1.6	0.0	0.0	12.4	264.4	256.5	55.1	63.6	0.0	0.0
GIR SOMNATH	0.0	0.0	0.0	0.0	0.0	118.0	314.9	295.5	179.0	67.6	0.0	0.0
JAMNAGAR	0.0	0.0	0.0	0.0	0.0	39.3	138.2	438.2	14.0	99.7	0.0	0.0
JUNAGADH	0.0	0.0	0.5	0.0	0.0	53.4	237.9	276.9	164.3	142.7	0.0	0.0
KHEDA	0.0	0.0	0.7	0.0	0.0	20.1	168.3	231.3	59.9	77.8	0.0	0.0
KUTCH	0.0	0.0	0.5	0.0	1.7	12.0	45.5	188.0	8.6	37.9	0.0	0.0
MAHISAGAR	0.0	0.0	1.6	0.0	0.0	17.7	356.0	315.1	60.5	54.6	0.0	0.0
MEHSANA	0.0	0.0	0.0	0.0	0.0	25.4	174.5	216.1	17.1	66.5	0.0	0.0
MORBI	0.0	0.0	0.0	0.0	0.0	62.2	49.8	172.8	0.0	75.4	0.0	0.0
NARMADA	0.0	0.0	0.0	0.0	0.4	28.5	227.8	227.2	167.4	85.5	0.0	0.0

NAVSARI	0.0	0.0	1.4	0.0	0.0	52.7	577.9	450.8	346.0	49.3	0.0	0.0
PANCHMAHAL	0.0	0.0	0.0	0.0	0.3	38.8	357.3	308.1	74.1	80.0	0.0	0.0
PATAN	0.0	0.0	0.0	0.0	0.0	23.6	134.7	250.8	8.4	63.3	0.0	0.0
PORBANDAR	0.0	0.0	0.0	0.0	0.1	68.5	172.8	223.9	44.3	92.6	0.0	0.0
RAJKOT	0.0	0.0	0.0	0.0	0.0	38.8	104.9	266.3	88.7	81.1	0.0	0.0
SABARKANTHA	0.0	0.0	0.0	0.0	0.0	35.3	200.7	284.4	32.4	40.3	0.0	0.0
SURAT	0.0	0.0	1.9	0.0	0.0	58.2	376.3	308.1	234.5	114.3	0.0	0.0
SURENDRANAGAR	0.0	0.0	0.0	0.0	0.0	25.4	87.4	171.9	27.7	43.3	0.0	0.0
TAPI	0.0	0.0	1.8	0.0	0.0	28.2	339.4	326.6	204.4	97.6	0.0	0.0
VADODARA	0.0	0.0	0.0	0.0	0.0	17.8	118.7	196.6	113.3	50.1	0.0	0.0
VALSAD	0.0	0.0	0.4	0.0	0.0	154.8	884.2	956.4	396.9	66.5	0.0	0.0
HARYANA												
AMBALA	0.0	2.0	23.2	4.9	44.1	62.7	147.9	181.8	42.0	2.2	0.0	8.0
BHIWANI	0.0	0.0	9.4	0.0	17.9	16.0	167.8	143.8	1.3	4.9	0.0	0.0
FARIDABAD	0.0	0.0	12.8	0.0	41.5	37.6	294.3	226.2	70.0	20.0	0.0	0.0
FATEHABAD	0.0	0.0	23.7	0.0	6.7	7.0	86.0	87.7	0.0	0.0	0.0	0.0
GURGAON	0.0	0.0	16.2	0.5	17.6	38.8	186.8	138.0	35.7	15.4	0.0	0.0
HISAR	0.0	1.4	25.8	0.0	23.2	47.6	144.6	47.6	0.3	3.9	0.0	0.0
JHAJJAR	0.0	0.0	16.6	0.0	18.1	36.4	177.2	210.6	13.3	0.3	0.0	0.0
JIND	0.0	1.5	22.8	0.0	51.8	39.7	149.0	100.0	0.0	0.3	0.0	0.0
KAITHAL	0.0	2.3	28.3	0.0	10.6	21.4	57.3	153.2	0.0	0.0	0.0	0.0
KARNAL	0.0	0.4	27.2	0.7	44.0	37.5	168.3	176.3	9.6	0.3	0.0	0.0
KURUKSHETRA	0.3	2.0	18.0	0.8	28.0	11.7	60.6	98.9	8.5	0.0	0.0	0.0
MAHENDRAGARH	0.0	0.0	9.0	0.0	37.9	49.9	156.6	130.8	2.2	0.0	0.0	0.0
MEWAT	0.0	0.0	19.0	0.0	34.8	79.7	205.2	125.0	42.9	3.4	0.0	0.0
PALWAL	0.0	0.0	5.8	0.0	8.0	42.8	195.4	155.3	43.5	0.0	0.0	0.0
PANCHKULA	0.3	2.6	21.0	5.2	23.8	62.5	137.5	165.6	37.8	2.3	0.0	17.6
PANIPAT	0.0	0.8	43.9	0.0	27.8	19.2	86.9	136.4	5.4	1.2	0.0	0.0
REWARI	0.0	0.0	14.6	0.0	69.0	37.1	238.7	202.7	9.8	33.5	0.0	0.0
ROHTAK	0.0	0.2	15.3	0.0	21.4	16.5	107.2	122.7	0.8	0.0	0.0	0.0
SIRSA	0.0	5.0	21.3	0.0	1.5	5.8	42.0	90.0	0.0	12.3	0.0	0.0
SONEPAT	0.0	1.4	42.5	0.0	29.5	29.8	115.3	82.8	6.0	0.5	0.0	0.0
YAMUNA NAGAR	0.0	1.9	31.2	6.8	57.0	114.4	457.0	211.0	23.5	6.0	0.0	9.8
HIMACHAL PRADESH												
BILASPUR	11.4	23.0	78.1	3.3	87.3	176.9	168.3	397.6	90.8	9.2	0.0	4.5
CHAMBA	22.7	58.9	223.7	55.6	88.8	83.6	209.5	274.7	34.8	8.5	0.0	0.9
HAMIRPUR	11.2	25.7	67.6	7.2	87.9	165.0	275.8	469.1	86.6	0.2	0.0	2.5
KANGRA	7.6	36.8	98.8	13.2	89.8	132.6	529.6	585.4	111.5	3.9	0.0	3.4
KINNAUR	16.1	44.3	79.2	105.2	15.2	10.1	29.8	49.2	27.2	1.7	0.0	5.0
KULLU	37.9	74.1	186.6	92.5	57.5	58.6	185.9	282.6	36.4	4.9	0.0	0.1
LAHAUL & SPITI	28.3	27.0	122.7	78.5	34.8	16.5	17.9	50.2	18.2	0.7	0.0	0.0
MANDI	13.5	42.8	93.1	24.7	165.1	208.2	314.6	415.1	108.6	10.9	0.0	0.0
SHIMLA	22.6	44.0	103.5	43.8	77.6	113.9	225.3	280.7	29.5	6.5	0.0	2.8
SIRMAUR	1.1	27.1	49.5	11.9	42.6	146.0	388.9	259.4	88.7	9.4	0.0	3.7
SOLAN	6.4	33.2	109.6	13.2	109.9	253.4	274.6	316.5	54.4	16.9	0.0	5.9
UNA	10.8	27.2	72.3	1.2	96.1	165.2	212.4	321.6	120.1	7.4	0.0	0.8
JAMMU & KASHMIR												
ANANTNAG	32.1	66.3	176.5	125.7	66.8	26.8	80.1	104.5	18.2	4.8	0.0	3.0
BADGAM	25.0	51.4	171.8	85.1	34.2	19.0	55.7	25.2	2.2	1.4	0.0	2.2
BARAMULA	83.5	52.3	281.1	165.2	103.1	25.9	66.2	86.8	31.2	3.7	0.2	6.1
DODA	26.4	59.2	171.6	99.4	62.6	44.4	138.8	153.4	23.2	1.0	0.0	17.8
GANDERBAL	55.6	32.6	188.1	144.8	81.3	13.5	48.6	91.0	15.8	0.0	0.0	3.8

JAMMU	11.3	17.5	113.7	9.7	10.7	135.6	536.4	374.8	63.3	2.5	0.0	0.0
KATHUA	5.4	8.6	114.9	7.6	24.2	173.5	326.6	309.3	118.4	5.2	0.0	0.0
KULGAM	29.2	55.4	183.3	133.0	55.9	6.2	90.3	53.2	3.2	0.0	0.0	2.1
KUPWARA	91.7	54.9	312.0	110.4	77.5	23.0	66.6	31.6	5.0	3.8	0.0	20.4
LADAKH (LEH)	2.6	1.3	1.9	1.0	0.1	2.4	2.3	9.2	0.1	0.0	0.0	0.0
PULWAMA	11.4	54.3	152.0	76.6	45.5	6.3	71.3	82.7	2.8	0.0	0.0	2.2
RAJOURI	21.2	53.6	191.6	33.1	21.2	116.2	230.8	159.4	29.2	8.9	0.0	0.0
RAMBAN	37.7	66.8	318.5	105.4	111.0	46.4	105.6	100.5	31.9	1.5	0.0	9.5
REASI	15.8	30.7	176.5	22.4	88.5	101.2	479.6	567.8	179.6	8.6	0.0	4.1
SAMBA	10.6	7.8	52.9	1.6	7.4	121.6	352.4	180.4	98.6	0.0	0.0	0.0
SRINAGAR	25.6	47.8	173.2	96.7	51.8	13.0	72.4	73.4	6.5	3.4	0.0	2.9
UDHAMPUR	11.0	19.3	157.6	24.9	46.0	86.6	366.3	408.7	91.6	1.2	0.0	2.5
JHARKHAND												
BOKARO	6.5	2.4	8.9	0.0	66.6	93.6	220.1	349.6	295.8	42.8	0.0	0.0
CHATRA	10.3	0.0	15.3	0.0	24.4	45.7	255.6	514.7	291.2	35.4	0.0	0.0
DEOGHAR	12.4	10.3	2.4	2.5	52.2	181.8	298.4	300.8	210.7	1.4	0.0	0.0
DHANBAD	1.9	17.6	2.7	0.4	45.7	147.7	236.3	424.5	369.5	25.3	0.0	0.0
DUMKA	18.5	5.2	5.4	0.0	117.5	294.7	261.6	352.3	317.4	43.4	0.0	0.0
EAST SINGBHUM	24.6	6.8	4.9	2.7	108.0	179.2	354.9	845.0	502.1	28.9	0.0	0.0
GARHWA	55.0	0.0	95.0	0.0	93.0	83.5	304.0	474.5	123.6	71.1	0.0	0.0
GIRIDIH	11.5	16.1	9.0	0.5	79.4	153.7	227.0	372.1	368.1	56.9	0.0	0.0
GODDA	9.1	3.4	0.3	2.3	60.2	100.9	299.5	151.1	255.5	27.2	0.0	0.0
GUMLA	21.4	42.8	19.3	0.7	79.9	139.0	487.2	303.1	224.2	50.7	0.0	0.0
HAZARIBAG	13.5	0.0	24.1	0.0	92.9	92.3	320.4	387.8	373.8	112.8	0.0	0.0
JAMTARA	12.5	7.3	5.2	0.8	122.3	234.3	360.7	342.3	279.7	39.3		
KHUNTI	0.0	0.0	0.0	0.0	87.5	68.3	330.3	335.7	164.5	26.5	0.0	0.0
KODERMA	10.3	0.0	4.1	0.0	33.7	81.3	249.2	305.2	311.1	26.9	0.0	0.0
LATEHAR	5.6	4.2	30.0	0.0	18.8	118.2	330.4	582.2	466.3	84.6	0.0	0.0
LOHARDAGA	7.9	0.9	37.9	0.0	41.2	114.2	358.3	465.0	294.6	56.2	0.0	0.0
PAKUR	10.3	0.0	2.1	14.2	58.4	124.7	260.1	204.6	250.4	43.3	0.0	0.0
PALAMU	17.3	0.0	23.6	0.1	11.8	61.3	381.1	465.7	300.8	77.2	0.0	0.0
RAMGARH	2.8	0.0	13.4	0.0	60.6	139.5	227.6	383.2	288.0	101.2		
RANCHI	4.9	4.1	20.6	0.0	63.2	81.0	303.9	270.5	171.6	28.2	0.0	0.0
SAHIBGANJ	6.4	0.0	8.4	12.6	66.6	240.6	317.8	162.8	310.2	19.6	0.0	0.0
SERAIKELA-KHARSAWAN	9.9	4.8	1.4	3.9	93.5	77.2	271.7	445.7	272.6	13.4	0.0	0.0
SIMDEGA	3.1	26.1	31.1	0.0	55.9	96.1	372.5	390.4	184.6	36.5	0.0	0.0
WEST SINGBHUM	7.7	5.2	7.1	0.0	110.4	141.1	195.4	408.8	308.9	16.2	0.0	0.0
KARNATAKA												
BAGALKOTE	0.3	0.0	3.1	17.9	47.9	110.6	95.7	29.7	96.1	13.6	0.2	0.0
BALLARI	9.4	0.0	0.0	4.2	67.9	128.5	68.4	24.7	47.9	11.4	4.2	4.6
BELAGAVI	0.0	0.8	8.2	13.0	54.6	122.4	250.7	150.1	72.9	18.7	9.7	0.1
BENGALURU RURAL	8.9	0.0	17.6	2.3	146.8	141.3	226.6	32.3	48.8	51.6	9.1	68.7
BENGALURU URBAN	4.9	0.0	18.2	6.2	132.3	164.0	187.9	45.1	48.1	31.7	2.9	73.3
BIDAR	0.8	1.7	23.2	20.6	60.8	263.7	231.1	90.0	472.1	137.8	0.0	0.2
CHAMARAJANAGAR	5.5	0.9	2.2	8.2	102.5	62.9	67.2	10.4	20.2	13.0	3.9	23.9
CHIKABALLAPURA	4.1	0.0	1.2	2.6	154.1	103.7	219.4	16.2	43.0	4.7	6.4	60.9
CHIKKAMAGALURU	0.7	1.3	6.5	15.6	94.1	313.9	402.6	243.5	106.3	23.5	13.4	20.1
CHITRADURGA	0.9	0.0	0.8	3.4	65.8	78.5	81.5	8.3	48.8	18.1	0.2	15.5
DAKSHINA KANNADA	0.3	0.0	0.2	12.2	135.0	949.0	888.5	530.2	219.7	46.2	27.4	9.4
DAVANGERE	0.4	0.0	0.0	0.4	76.5	147.6	126.2	35.1	85.4	15.7	0.0	7.2
DHARWAD	0.3	0.1	3.2	20.8	51.5	121.1	119.3	78.1	45.5	27.2	3.5	0.3
GADAG	0.4	0.0	1.3	21.7	73.4	99.5	71.6	44.0	77.0	3.2	0.0	4.1

HASSAN	1.1	1.7	0.5	32.1	84.0	147.6	143.3	62.6	45.4	13.6	17.5	30.9
HAVERI	0.3	0.4	3.5	9.4	76.9	163.7	126.2	68.0	46.5	8.4	15.5	2.0
KALABURGI	0.2	0.8	9.5	10.6	47.0	173.1	259.2	52.0	301.0	36.2	1.4	0.6
KODAGU	0.3	0.8	5.5	27.3	148.1	525.8	486.3	330.5	148.3	45.2	31.4	49.9
KOLAR	9.1	0.0	3.7	0.0	150.1	120.8	183.1	28.4	25.0	14.4	2.7	95.3
KOPPAL	0.5	0.0	0.0	0.0	61.0	147.0	64.7	38.1	71.4	27.7	0.0	0.6
MANDYA	2.4	0.1	2.0	13.5	58.6	71.6	142.2	51.2	50.6	33.2	3.9	44.3
MYSURU	4.3	1.8	11.6	19.4	95.5	119.2	106.7	24.1	17.0	14.7	4.5	31.0
RAICHUR	1.2	0.0	0.0	2.4	33.7	125.8	119.0	53.3	213.6	16.2	0.0	2.0
RAMANAGARA	2.2	0.0	0.2	3.8	113.4	72.9	184.6	70.7	29.2	49.9	7.6	57.5
SHIVAMOGGA	0.8	0.0	0.0	1.9	57.9	399.2	440.9	313.1	157.3	38.1	32.6	3.9
TUMAKURU	6.1	0.0	2.0	1.7	82.9	123.5	158.8	24.8	41.5	14.0	2.6	34.8
UDUPI	0.8	0.0	0.0	0.0	115.2	1326.2	958.3	593.1	294.5	83.8	12.8	15.1
UTTARA KANNADA	0.4	0.0	0.3	1.1	67.8	842.8	635.9	401.0	204.9	89.8	8.9	0.7
VIJAYAPURA	0.0	0.0	8.5	9.7	32.9	95.4	127.8	46.7	124.8	20.0	0.3	1.4
YADGIR	0.0	0.0	0.5	1.0	23.3	96.0	168.8	66.8	193.5	18.2	2.2	2.1
KERALA												
ALAPUZHA	5.9	56.0	45.6	24.6	296.0	524.0	365.6	165.6	79.6	124.0	63.4	21.0
CANNUR	0.0	0.0	0.8	1.0	138.4	801.8	616.1	436.5	136.6	45.1	22.0	17.3
ERNAKULAM	0.4	91.4	3.4	43.8	322.8	624.6	620.4	238.7	85.7	160.5	115.1	19.5
IDUKKI	5.1	5.1	26.4	39.1	292.7	586.3	540.8	322.6	119.8	117.1	37.9	19.1
KASARGOD	2.9	0.5	0.0	0.1	138.3	945.5	719.0	455.8	132.7	23.8	21.7	25.7
KOLLAM	1.0	50.3	55.3	67.3	384.4	508.5	262.8	136.7	42.9	188.9	198.2	19.7
KOTTAYAM	11.5	43.7	72.5	56.5	318.7	630.6	431.1	198.6	70.4	154.0	90.7	7.7
KOZHIKODE	0.0	0.0	32.4	5.7	260.1	916.4	604.2	268.5	98.2	42.5	8.9	23.2
MALAPPURAM	0.0	1.8	2.6	4.7	154.5	585.2	406.5	186.3	73.2	87.1	14.8	16.3
PALAKKAD	0.2	0.0	4.2	4.1	169.2	461.5	336.6	159.2	77.4	88.2	21.7	27.6
PATHANAMTHITTA	0.5	4.6	70.0	123.3	427.4	459.4	344.8	211.7	79.5	224.1	193.9	7.8
THIRUVANANTHAPURAM	3.2	3.7	19.0	58.1	429.1	395.0	119.4	42.2	15.7	43.4	47.2	21.8
THRISSUR	10.8	4.0	6.2	37.2	257.5	588.4	422.2	148.7	60.3	98.2	8.3	45.6
WYNAD	3.3	0.0	13.0	20.1	112.8	411.2	337.7	242.5	82.4	58.6	12.1	34.1
LAKSHADWEEP (UT)												
LAKSHADWEEP	59.6	12.1	3.2	2.6	77.4	321.1	262.6	86.2	75.6	58.6	32.0	74.7
MADHYA PRADESH												
AGAR-MALWA	0.0	0.0	0.0	0.0	2.1	123.4	491.3	633.8	76.7	33.0	0.0	0.0
ALIRAJPUR	2.6	0.0	1.5	0.0	19.8	136.5	309.8	347.3	196.5	79.9	0.0	0.0
ANUPPUR	13.5	0.0	12.0	0.0	5.1	127.4	309.8	362.7	203.2	19.7	0.0	0.0
ASHOKNAGAR	11.3	1.8	9.8	0.0	7.3	83.8	515.8	324.5	50.0	60.0	0.0	0.0
BALAGHAT	3.7	3.8	12.3	0.2	3.4	74.1	380.7	347.0	170.3	15.8	0.0	0.0
BARWANI	0.0	0.0	0.0	0.0	2.1	91.2	174.1	122.9	139.9	72.8	0.0	0.0
BETUL	3.5	1.0	4.0	0.0	4.7	85.3	585.1	206.1	121.1	35.3	0.0	0.0
BHIND	7.3	0.6	0.3	0.0	21.9	117.0	211.8	185.6	31.6	10.3	0.0	0.0
BHOPAL	21.0	0.4	5.4	0.0	9.0	150.1	660.5	531.3	122.2	76.9	0.0	0.0
BURHANPUR	0.0	0.0	0.0	0.0	1.4	30.0	415.2	124.5	213.5	46.3	0.0	0.0
CHHATARPUR	19.3	3.2	20.2	0.0	19.0	108.1	604.1	638.2	99.7	1.6	0.0	0.0
CHHINDWARA	17.7	2.1	26.4	0.0	28.5	153.2	483.9	179.1	119.5	39.3	0.0	0.0
DAMOH	36.5	1.0	9.5	0.0	36.5	77.9	884.5	476.9	74.5	26.0	0.0	0.0
DATIA	6.9	0.0	0.8	0.0	54.9	95.7	209.2	203.5	25.3	35.3	0.0	0.0
DEWAS	5.0	0.0	0.0	0.0	3.3	154.8	301.0	343.2	90.8	25.8	0.0	0.0
DHAR	3.9	0.0	0.3	0.0	0.1	133.5	265.7	268.5	187.8	99.6	0.0	0.0
DINDORI	19.6	0.0	26.2	0.0	18.0	125.9	341.5	536.3	358.0	51.5	0.0	0.0
GUNA	9.3	0.0	1.6	0.0	6.5	80.2	600.8	555.5	39.1	26.2	0.0	0.0

GWALIOR	6.1	0.0	9.6	0.0	60.8	100.2	243.6	180.9	3.4	27.4	0.0	0.0
HARDA	2.6	0.0	1.1	0.0	4.3	140.5	356.1	392.7	53.0	45.8	0.0	0.0
HOSHANGABAD	8.6	0.0	7.5	0.0	5.4	144.8	1072.4	665.0	219.1	48.7	0.0	0.0
INDORE	0.1	0.0	4.9	0.0	7.1	105.6	333.3	327.3	122.0	21.7	0.0	0.0
JABALPUR	14.8	0.0	26.7	0.0	51.3	92.5	604.4	587.5	76.4	32.3	0.0	0.0
JHABUA	0.9	0.0	0.3	0.0	18.0	58.2	268.6	470.1	179.9	83.5	0.0	0.0
KATNI	27.0	2.0	15.7	0.0	21.0	105.5	521.0	575.2	124.5	18.5	0.0	0.0
KHANDWA	0.7	0.7	1.0	0.0	3.0	98.7	461.1	235.8	164.3	36.0	0.0	0.0
KHARGONE	0.0	0.0	0.0	0.0	2.8	87.1	251.5	136.6	182.2	74.7	0.0	0.0
MANDLA	19.6	4.3	18.0	1.3	15.1	171.8	699.4	416.0	161.1	40.7	0.0	0.0
MANDSAUR	0.8	0.0	0.0	0.0	14.8	120.8	307.3	522.3	51.7	19.4	0.0	0.0
MORENA	0.2	0.0	1.8	0.0	17.5	99.8	257.7	158.5	12.3	16.5	0.0	0.0
NARSINGHPUR	3.0	0.4	6.0	0.2	4.2	68.8	641.6	327.3	82.8	53.0	0.0	0.0
NEEMUCH	2.3	0.0	0.0	0.0	0.0	88.1	222.8	678.0	86.0	36.1	0.0	0.0
PANNA	15.1	0.0	12.4	0.0	8.0	118.8	716.6	747.5	86.3	42.8	0.0	0.0
RAISEN	10.8	0.0	6.0	0.0	8.9	136.1	699.9	508.4	58.3	41.5	0.0	0.0
RAJGARH	10.9	0.0	0.1	0.0	9.7	125.7	460.1	685.3	49.9	36.1	0.0	0.0
RATLAM	0.0	0.0	0.0	0.0	12.4	105.2	269.9	814.0	109.5	42.6	0.0	0.0
REWA	28.5	0.0	13.3	0.0	4.5	47.8	365.9	586.5	209.0	19.6	0.0	0.0
SAGAR	19.5	0.1	4.3	0.0	10.6	102.7	696.1	447.0	82.4	30.2	0.0	0.0
SATNA	37.4	0.0	16.3	0.0	20.8	31.0	811.5	681.3	86.1	19.2	0.0	0.0
SEHORE	3.6	0.0	3.2	0.0	4.6	172.3	698.8	464.5	124.9	17.7	0.0	0.0
SEONI	13.3	12.3	33.6	0.0	6.7	86.4	608.2	334.4	124.7	16.7	0.0	0.0
SHAHDOL	23.5	0.0	11.1	0.0	27.0	152.0	307.2	429.1	206.3	6.0	0.0	0.0
SHAJAPUR	11.7	0.0	1.1	0.0	9.0	151.0	479.0	393.0	109.5	8.5	0.0	0.0
SHEOPUR	0.0	0.0	0.0	0.0	9.0	66.0	224.9	382.0	26.0	20.0	0.0	0.0
SHIVPURI	3.6	0.0	2.8	0.0	8.8	88.7	422.6	292.2	40.9	24.1	0.0	0.0
SIDHI	33.2	0.0	16.2	0.0	18.2	35.6	576.4	491.4	201.0	4.6	0.0	0.0
SINGRAULI	18.0	3.7	10.0	0.0	7.0	74.5	394.7	415.3	272.1	103.0	0.0	0.0
TIKAMGARH	7.5	1.0	22.0	0.0	21.0	75.0	338.5	314.5	13.5	43.5	0.0	0.0
UJJAIN	9.8	0.0	0.6	0.0	25.2	121.4	330.8	551.6	133.6	29.8	0.0	0.0
UMARIA	44.4	2.8	42.2	0.2	39.9	101.0	330.0	577.6	193.7	3.4	0.0	0.0
VIDISHA	14.0	0.3	7.0	0.0	5.0	133.2	605.3	658.9	56.0	52.1	0.0	0.0
MAHARASHTRA												
AHMEDNAGAR	0.0	0.1	5.5	0.0	3.6	88.6	158.8	79.2	209.0	97.6	0.0	0.0
AKOLA	0.0	0.1	1.0	0.0	6.2	151.0	393.5	112.8	120.0	68.2	0.0	0.0
AMRAOTI	0.2	6.7	6.6	0.0	14.5	127.6	478.4	133.6	191.0	64.8	0.0	0.0
AURANGABAD	0.0	0.0	7.7	0.0	4.6	100.7	236.2	92.2	154.8	58.9	0.0	0.0
BEED	0.0	6.7	8.9	2.1	6.8	155.8	172.6	72.0	377.7	103.6	0.0	0.0
BHANDARA	0.0	5.9	20.5	3.3	25.7	81.7	428.9	172.6	206.4	77.4	0.0	0.0
BULDHANA	0.0	2.3	6.2	0.0	8.2	120.3	366.2	100.4	148.2	49.8	0.0	0.0
CHANDRAPUR	0.3	1.7	41.3	17.6	24.5	229.2	624.9	145.7	375.5	96.7	0.0	0.0
DHULE	0.0	0.0	4.0	0.0	2.4	91.0	124.0	93.7	110.9	73.1	0.0	0.0
GADCHIROLI	3.4	1.0	26.4	11.9	5.1	218.2	711.2	303.5	386.9	109.5	0.0	0.0
GONDIA	0.2	3.2	46.3	7.3	20.0	118.1	459.4	342.4	325.8	60.9	0.0	0.0
HINGOLI	0.0		13.6	2.5	1.8	171.5	321.8	80.8	226.5	115.3	0.0	0.0
JALGAON	0.0	0.0	3.6	0.1	1.8	58.3	273.2	121.4	183.4	63.3	0.0	0.0
JALNA	0.0	0.0	6.5	0.2	2.5	126.3	310.0	91.5	247.2	80.7	0.0	0.0
KOLHAPUR	0.0	0.0	6.3	4.5	4.9	214.0	748.1	522.9	125.9	36.2	4.9	0.0
LATUR	0.0	9.8	19.5	10.9	9.0	156.7	333.3	93.6	427.5	141.1	0.0	0.0
MUMBAI CITY	0.0	0.0	0.0	0.0	3.7	531.3	753.9	488.4	733.4	67.4	0.0	0.0
MUMBAI SUBURBAN	0.0	0.0	10.0	0.0	0.0	695.2	926.0	561.7	711.6	78.7	0.0	0.0

NAGPUR	0.7	17.1	14.5	3.6	8.2	132.3	418.3	117.5	127.5	68.3	0.0	0.0
NANDED	0.0	0.0	10.8	3.2	10.1	255.7	377.1	118.4	273.4	115.6	0.0	0.0
NANDURBAR	0.0	0.0	1.9	0.0	0.4	51.3	258.4	224.8	162.6	60.4	0.0	
NASHIK	0.0	0.0	15.3	0.0	14.3	63.9	490.3	409.6	167.3	64.7	0.0	0.0
OSMANABAD	0.0	5.9	11.9	5.6	10.8	124.1	197.9	69.8	356.2	115.1	0.0	1.0
PALGHAR	0.0	0.0	6.5	0.0	0.7	383.7	1155.8	978.4	534.1	73.8	0.0	0.0
PARBHANI	0.0	0.3	11.0	1.1	1.4	153.9	298.9	86.4	377.3	89.0	0.0	0.0
PUNE	0.0	0.2	4.4	0.5	13.9	77.8	445.8	417.6	197.1	57.6	0.0	0.0
RAIGAD	0.0	0.0	3.1	0.0	1.5	692.7	1386.1	1018.5	788.0	117.9	0.0	0.0
RATNAGIRI	0.0	0.4	0.1	1.0	1.2	997.9	1693.4	902.1	793.1	145.6	0.0	0.0
SANGLI	0.0	3.3	12.1	3.3	12.3	119.9	246.9	109.7	114.6	11.0	5.5	0.0
SATARA	0.0	3.6	9.1	1.1	7.6	166.9	341.5	346.3	138.4	55.5	0.0	2.3
SHOLAPUR	0.0	0.7	5.5	5.4	8.3	118.9	153.7	29.1	212.2	67.4	3.1	4.7
SINDHUDURG	0.0	0.0	0.0	0.0	2.8	1137.7	1263.6	616.8	426.2	113.9	4.9	0.0
THANE					0.0	346.9	1146.0	704.0	445.9	58.5		
WARDHA	0.7	11.0	21.5	0.6	11.4	175.9	485.3	148.3	155.8	61.4	0.0	0.0
WASHIM	0.0	4.6	20.6	0.0	11.1	157.5	371.8	113.7	156.2	68.1	0.0	0.0
YEOTMAL	0.0	4.7	18.2	2.6	10.5	194.2	410.3	97.7	170.8	68.3	0.0	0.0
MANIPUR												
CHANDEL			26.0	137.0	308.0					98.0	47.0	0.0
IMPHAL EAST	6.6	25.6	51.0	211.9	310.9	153.5	305.9	89.1	162.3	122.9	58.5	2.1
IMPHAL WEST	0.5	65.2	111.1	561.7	643.2	642.9	484.0	372.4	737.6	237.0	52.9	0.8
THOUBAL			23.0	211.0	282.0				83.0	68.0	66.0	0.0
UKHRUL			0.0	4.0	2.0							
MEGHALAYA												
EAST GARO HILLS	16.0	0.0	64.2	275.6	720.0	741.4	1374.8	50.2	272.4	292.6	0.0	15.6
EAST KHASI HILLS	13.7	8.8	83.7	1026.9	661.2	796.4	2603.8	318.6	644.4	335.6	25.7	7.5
JAINTIA HILLS	14.5	2.4	22.1	230.2		720.6		296.0		405.0	174.0	
RI-BHOI	12.1	0.0	22.8	117.7	221.0	197.2	262.7	107.1	239.9	87.2	5.1	2.3
SOUTH GARO HILLS	14.0		38.0	71.0	80.0					258.0	1.0	32.0
WEST GARO HILLS	6.4	0.2	51.6	179.4	332.6	414.2	429.2	176.2	194.5	64.6	0.0	4.8
WEST KHASI HILLS	19.0	2.0	41.0	80.0	20.0		503.0		108.0	213.0	6.0	
MIZORAM												
AIZWAL	0.4	16.3	129.1	267.2	355.4	426.2	264.0	388.0	394.1	180.5	88.7	0.0
KOLASIB			2.0									
LUNGLEI	0.0	40.0				268.0	284.0	354.0	449.1	102.8	34.5	0.0
SAIHA	11.0	22.0	16.0	45.0	422.0	604.0	371.0	347.0	376.0	260.0	40.0	0.0
SERCHHIP	0.0	48.0	6.8	12.2	13.1	192.0	723.5	318.7	413.3	86.1	91.7	0.0
NAGALAND												
DIMAPUR	23.3	5.5	18.2	131.8	165.4	214.3	264.2	398.0	283.7	25.8	65.4	5.8
KEPHIRE	10.6	2.8		60.2		152.2			157.0	44.5	49.0	3.7
KOHIMA	20.9	8.4	16.4	48.9	127.9	169.9	222.5	241.5	237.6	103.1	67.9	2.4
MOKOKCHUNG	11.0	8.0	3.0	6.0					49.0	40.0	20.0	0.0
MON	25.0	14.0						325.4				
PHEK	21.8	2.0	25.0	91.9	188.3	333.8	324.0	124.7	137.0	74.1	67.4	6.4
WOKHA	25.0	26.0	52.0	35.0	19.0	325.0	412.0	225.0	393.0	109.0	128.0	6.0
ODISHA												
ANGUL	0.5	24.7	33.9	3.1	38.1	136.5	260.6	384.6	147.4	91.2	4.9	0.0
BALASORE	6.9	49.5	6.7	23.2	182.7	168.7	270.0	307.1	303.2	190.7	56.9	0.0
BARGARH	4.5	10.8	14.5	4.7	26.0	127.0	220.9	288.3	284.0	53.9	0.2	0.0
BHADRAK	0.1	45.8	3.6	5.2	203.6	181.7	353.2	324.9	263.3	89.4	55.2	0.0
BOLANGIR	1.1	9.5	6.9	8.3	17.7	75.6	240.0	258.5	292.0	97.3	0.0	0.0

BOUDHGARH	0.0	1.3	20.0	0.0	14.1	117.2	200.6	368.0	347.0	65.6	0.0	0.0
CUTTACK	0.1	1.1	4.9	4.1	104.6	151.9	328.4	329.9	292.6	96.4	20.5	0.0
DEOGARH	3.7	16.2	2.0	1.7	20.1	59.9	264.8	278.3	243.4	47.9	0.0	0.0
DHENKANAL	0.0	36.9	38.3	3.4	85.3	125.5	363.8	378.9	129.2	65.7	11.4	0.0
GAJAPATI	1.2	2.7	30.4	16.7	162.4	201.1	208.1	202.5	304.1	147.1	18.1	0.0
GANJAM	3.2	17.4	7.5	9.6	115.9	184.6	160.3	180.2	235.5	137.0	17.1	0.0
JAGATSINGHPUR	2.1	1.1	11.1	5.1	204.8	148.4	261.2	407.2	383.1	104.2	94.9	0.0
JAJPUR	0.0	33.8	13.6	14.3	115.6	180.5	328.0	351.8	290.2	64.7	34.5	0.0
JHARSUGUDA	0.3	19.5	18.7	0.1	16.0	77.4	257.2	422.0	263.8	35.1	0.0	0.0
KALAHANDI	0.0	0.9	14.0	1.0	21.8	119.2	361.8	299.0	324.7	132.0	0.0	0.0
KANDHAMAL	0.0	3.5	25.7	1.6	16.2	195.4	222.7	261.3	264.7	112.4	1.9	0.0
KENDRAPARA	2.5	8.5	6.0	5.2	186.2	195.3	200.4	492.7	284.8	149.7	84.7	0.0
KEONJHARGARH	3.3	61.2	24.7	7.0	145.0	151.9	280.2	355.1	180.5	60.9	3.3	0.0
KHURDA	1.1	3.5	2.6	0.5	73.1	146.6	249.0	279.3	264.9	73.4	13.4	0.0
KORAPUT	0.0	0.0	15.6	24.0	136.2	309.1	395.4	372.9	324.1	109.4	0.8	4.5
MALKANGIRI	0.0	4.2	4.6	0.0	38.6	262.4	316.6	318.2	330.6	173.8	1.0	6.4
MAYURBHANJ	7.9	50.1	10.3	22.6	110.4	226.6	250.0	360.1	284.0	92.4	10.2	0.0
NAWAPARA	0.0	2.4	5.6	0.0	4.2	168.6	290.2	183.9	333.4	59.0	0.0	0.0
NAWARANGPUR	0.4	2.0	51.3	19.3	45.3	307.0	393.1	291.4	270.4	105.8	0.1	0.0
NAYAGARH	0.0	13.6	15.3	12.7	111.6	150.2	263.9	226.7	263.7	87.6	2.9	0.0
PURI	23.0	1.5	1.0	0.8	122.1	129.7	219.1	400.8	292.1	74.9	63.2	0.0
RAYAGADA	0.2	7.5	26.1	21.6	65.5	179.5	299.6	264.8	177.9	95.7	0.2	0.0
SAMBALPUR	4.4	6.9	8.2	6.9	26.4	79.0	250.1	470.0	237.4	54.1	0.0	0.0
SONEPUR	3.8	15.0	2.8	2.7	9.7	68.8	193.8	391.1	301.5	58.8	0.0	0.0
SUNDARGARH	0.2	12.6	5.0	0.1	21.9	101.6	329.0	318.6	271.6	44.9	0.1	0.0
PONDICHERRY (UT)												
KARAIKAL	0.8	0.1	1.0	0.0	159.8	39.0	21.9	96.6	87.8	46.2	137.4	61.6
PUDUCHERRY	0.6	0.0	0.0	0.0	106.4	49.7	20.1	188.2	130.0	35.3	9.1	118.2
PUNJAB												
AMRITSAR	19.1	7.2	32.4	0.0	23.8	84.6	219.6	126.2	19.4	3.5	3.0	0.0
BARNALA	2.0	13.0	9.0	0.0	41.0	38.0	210.0	130.0	0.0	0.0	0.0	0.0
BHATINDA	0.7	7.5	37.5	0.0	25.8	19.7	92.4	176.5	0.9	0.0	0.0	0.0
FARIDKOT	0.5	12.0	58.2	0.5	30.8	42.2	75.9	207.3	0.0	0.0	0.0	0.0
FATEHGARH SAHIB	0.0	0.0	35.7	0.0	12.0	53.2	97.4	103.7	4.8	0.0	0.0	6.3
FEROZEPUR	2.0	2.8	18.8	0.0	1.5	4.4	35.5	65.1	9.8	1.8	0.0	0.0
GURDASPUR	3.6	5.1	70.4	5.6	26.2	106.4	348.0	308.0	68.8	1.4	0.1	2.6
HOSHIARPUR	11.4	4.6	18.5	2.1	25.3	77.2	71.5	208.0	18.6	1.0	0.7	0.0
JALANDHAR	10.6	8.9	27.1	1.3	14.0	26.8	131.5	136.4	15.2	2.4	0.5	0.0
KAPURTHALA	7.4	5.8	56.8	0.5	24.3	58.7	195.8	297.4	44.0	0.3	1.3	0.0
LUDHIANA	16.6	5.8	21.2	0.0	16.2	73.5	153.7	70.2	8.8	4.1	2.2	1.3
MANSA	0.0	4.2	10.4	0.0	14.8	22.6	121.0	69.6	0.0	0.0	0.0	0.0
MOGA	4.3	2.6	24.7	0.0	16.1	68.6	237.8	234.8	0.0	2.0	0.0	0.0
MUKTSAR	5.0	6.0	91.6	0.0	22.0	6.6	187.8	111.5	0.0	0.0	0.0	0.0
NAWANSHAHAR	18.6	12.1	34.7	2.3	42.1	138.1	145.0	187.5	53.1	14.5	0.0	1.7
PATIALA	0.4	3.8	41.9	0.7	36.2	30.1	105.2	97.0	5.1	0.0	0.0	1.9
ROPAR	10.2	5.7	36.4	1.3	33.0	134.6	165.8	294.0	121.8	10.3	0.0	5.5
SANGRUR	0.3	6.0	38.4	0.3	37.2	52.9	148.4	91.9	0.9	0.5	0.0	0.0
SAS NAGAR (MOHALI)	0.0	0.0	47.0	5.0	60.9	42.1	197.0	164.0	47.0	4.0	0.0	19.0
TARN TARAN	15.0	3.0	32.0	0.0	20.0	48.0	154.5	98.0	0.0	0.0	0.0	0.0
RAJASTHAN												
AJMER	0.0	1.5	0.2	0.0	1.2	69.4	195.2	250.0	22.8	62.8	0.0	0.0
ALWAR	0.0	1.0	16.4	0.0	47.6	54.0	293.2	259.4	16.5	10.3	0.0	0.0

BANSWARA	0.0	0.0	0.0	0.0	0.0	51.9	354.9	514.5	98.6	75.4	0.0	0.0
BARAN	4.8	0.0	2.5	0.0	5.6	77.4	484.6	568.8	30.4	33.6	0.0	0.0
BARMER	0.0	0.1	1.8	0.0	0.1	10.5	33.7	187.8	3.6	22.9	0.0	0.0
BHARATPUR	0.0	0.0	0.4	0.0	23.7	80.2	302.9	224.6	31.6	24.9	0.0	0.0
BHILWARA	0.3	0.1	2.7	0.0	5.3	92.8	301.3	473.2	42.8	14.6	0.5	0.0
BIKANER	0.0	2.5	14.9	2.0	0.6	44.5	69.7	143.6	7.6	8.8	0.0	0.0
BUNDI	0.3	0.0	0.3	0.0	5.3	63.3	319.8	428.3	68.2	18.0	0.0	0.0
CHITTORGARH	0.0	0.0	1.3	0.0	3.8	75.8	394.7	781.1	55.8	39.0	0.0	0.0
CHURU	0.0	2.8	16.9	0.0	25.5	49.7	192.8	141.9	24.0	29.4	0.0	0.0
DAUSA	0.0	0.0	4.8	0.0	14.8	53.0	352.4	321.6	43.2	17.0	0.0	0.0
DHOLPUR	0.0	0.0	9.5	0.0	20.7	21.3	356.0	232.8	25.5	14.7	0.0	0.0
DUNGARPUR	0.0	0.0	0.0	0.0	0.0	53.7	342.8	409.8	37.0	37.8	0.0	0.0
HANUMANGARH	0.0	5.0	19.3	0.0	12.3	38.4	83.1	72.7	11.4	2.4	0.0	0.0
JAIPUR	0.4	1.9	3.2	0.0	11.8	37.0	299.0	200.3	33.3	20.1	0.0	0.0
JAISALMER	0.0	1.1	3.1	0.0	4.4	20.5	25.2	92.1	1.1	6.2	0.0	0.0
JALORE	0.0	0.0	0.4	0.0	0.0	25.3	64.4	331.9	13.9	47.4	0.0	0.0
JHALAWAR	4.2	0.0	0.6	0.0	11.3	91.3	372.6	577.8	70.4	18.0	0.0	0.0
JHUNJHUNU	0.0	0.4	10.9	0.0	16.1	56.7	287.0	179.1	12.3	12.4	0.0	0.0
JODHPUR	0.0	1.0	1.7	0.0	0.6	39.5	78.5	274.2	13.0	22.6	0.0	0.0
KARALI	0.2	0.3	7.7	0.0	9.4	45.7	373.3	268.9	32.0	31.8	0.0	0.0
KOTA	1.7	0.0	0.0	0.0	7.5	86.1	238.8	495.0	87.5	23.6	0.0	0.0
NAGAU	1.2	0.1	2.4	0.0	5.6	62.2	133.6	206.7	24.8	27.6	0.0	0.0
PALI	0.0	0.2	1.9	0.0	0.0	43.1	224.8	558.9	22.4	30.9	0.0	0.0
PRATAPGARH	0.0	0.0	0.0	0.0	0.0	64.8	404.4	666.4	129.8	53.8	0.0	0.0
RAJSAMAND	0.0	0.0	6.1	0.0	0.0	94.3	283.1	390.9	32.6	55.6	0.0	0.0
SAWAI MADHOPUR	0.4	0.0	2.6	0.0	7.0	55.8	393.7	441.3	28.0	22.3	0.4	0.0
SIKAR	0.0	1.1	13.0	0.0	22.5	47.1	218.8	198.6	17.4	20.2	0.0	0.0
SIROHI	0.0	0.0	1.7	0.0	0.0	34.2	320.2	483.5	38.6	65.0	0.0	0.0
SRI GANGANAGAR	0.0	8.9	17.4	1.0	0.6	9.7	29.4	76.3	17.2	0.1	0.0	0.0
TONK	1.5	0.0	1.2	0.0	3.2	34.2	342.4	324.4	27.8	19.4	0.0	0.0
UDAIPUR	0.0	0.0	1.3	0.0	0.7	63.2	370.4	388.6	29.5	60.0	0.0	0.0
SIKKIM												
EAST SIKKIM	15.2	7.4	125.3	220.4	338.7	391.1	569.1	213.3	348.2	98.2	0.1	0.4
NORTH SIKKIM	81.8	34.9	306.8	226.7	383.7	548.0	487.3	301.6	638.1	139.8	0.0	0.0
SOUTH SIKKIM	15.2	2.1	30.5	30.4	234.8	384.2	629.2	175.1	359.9	127.6	0.0	1.8
WEST SIKKIM	11.2	4.5	70.0	84.5	234.5	401.7	501.5	176.7	585.1	110.5	0.0	0.0
TAMILNADU												
ARIYALUR	0.0	0.0	0.0	0.0	89.4	28.2	91.2	141.9	57.5	61.9	30.2	36.4
CHENNAI	0.5	0.0	0.0	0.0	198.1	109.3	59.6	51.7	275.3	28.8	66.1	247.2
COIMBATORE	22.8	0.2	14.3	20.8	82.9	71.1	88.8	40.9	21.8	83.1	14.1	44.8
CUDDALORE	0.7	0.1	0.4	0.0	96.9	104.1	66.9	117.0	58.0	60.6	32.1	37.7
DHARMAPURI	0.0	0.0	3.3	0.0	91.3	63.6	156.9	34.2	14.5	48.6	4.4	46.4
DINDIGUL	0.6	0.3	1.2	7.6	99.2	40.2	76.5	31.0	17.9	140.1	37.5	50.2
ERODE	0.0	0.0	0.3	14.4	45.1	49.7	65.0	41.6	18.1	34.1	14.0	26.8
KANCHEEPURAM	0.4	0.0	0.0	0.0	173.2	81.6	76.6	112.7	213.3	28.6	26.1	280.0
KANYAKUMARI	0.0	17.1	14.5	35.8	266.2	241.6	49.7	10.7	3.3	45.5	93.9	15.1
KARUR	0.0	0.0	0.5	2.4	131.5	16.9	78.2	16.1	13.8	24.9	13.2	31.2
KRISHNAGIRI	0.2	0.0	1.9	3.8	144.4	87.0	185.5	49.1	5.2	34.7	8.5	76.9
MADURAI	0.0	0.0	0.3	15.8	54.1	10.1	99.2	42.2	60.2	162.4	9.5	56.3
NAGAPATTINAM	0.6	0.2	0.0	0.0	166.4	53.8	24.2	125.6	41.9	69.2	122.0	57.4
NAMAKKAL	0.0	0.0	0.0	5.3	85.6	35.4	125.2	49.4	31.3	24.2	7.4	25.9
NILGIRIS	12.4	0.0	4.9	13.0	102.3	198.4	188.9	72.0	54.1	50.5	85.1	107.6

PERAMBALUR	0.0	0.0	0.0	0.0	168.5	42.5	96.8	47.3	84.3	63.6	29.3	34.3
PUDUKKOTTAI	0.0	0.0	0.0	0.0	77.7	32.1	50.1	80.7	70.9	80.1	22.1	57.3
RAMANATHAPURAM	0.9	2.7	1.3	7.0	84.0	12.7	25.9	20.0	42.1	51.1	89.7	50.5
SALEM	0.0	0.0	0.0	2.8	128.4	83.6	139.4	99.7	23.3	35.4	6.7	58.2
SIVAGANGA	0.0	0.0	1.3	12.5	157.9	39.4	94.9	134.4	111.4	65.3	21.5	72.3
THANJAVUR	0.0	0.0	0.2	0.9	130.6	56.1	68.1	99.7	64.7	86.3	50.9	73.1
THENI	1.6	1.4	11.8	11.3	67.4	44.8	65.2	15.8	6.1	103.8	21.6	14.9
TIRUNELVELI	5.3	6.8	14.0	15.4	81.7	75.7	25.1	1.2	0.4	47.3	105.3	33.8
TIRUPPUR	0.0	0.0	0.0	12.5	112.5	26.8	20.0	15.6	18.7	142.8	33.2	29.2
TIRUVALLUR	1.2	0.0	0.0	0.0	158.6	149.2	54.0	18.1	185.4	5.3	28.0	214.4
TIRUVANNAMALAI	9.0	0.0	0.0	0.0	84.1	103.5	116.3	95.9	103.3	64.8	6.1	101.6
TIRUVARUR	0.0	0.0	0.0	0.0	187.4	33.5	38.9	78.9	56.7	68.6	89.5	91.9
TOOTHUKUDI	0.0	3.4	18.7	3.8	27.0	3.7	11.9	1.1	1.9	39.0	106.4	13.4
TRICHY	0.0	0.0	1.4	0.8	128.6	33.8	114.6	37.7	24.9	100.9	4.0	27.8
VELLORE	0.9	0.0	0.2	0.0	81.8	142.6	159.2	53.0	65.2	28.9	9.1	140.0
VILLUPURAM	0.0	0.2	0.0	0.0	88.7	53.2	125.1	73.4	77.9	89.5	11.1	74.7
VIRUDHUNAGAR	3.0	0.0	1.7	3.1	77.6	6.9	60.0	24.0	25.7	72.5	42.9	57.9
TELANGANA												
ADILABAD	1.5	1.1	18.0	7.4	29.5	227.5	403.2	139.4	271.6	98.9	0.0	0.0
HYDERABAD	1.2	0.0	0.3	6.6	124.3	105.4	185.8	111.7	435.0	63.5	4.6	2.5
KARIMNAGAR	0.3	0.0	27.5	13.0	58.7	182.6	321.2	159.9	352.4	89.8	0.0	0.0
KHAMMAM	1.4	0.0	14.1	1.8	48.1	319.8	199.0	156.7	288.7	101.6	0.3	0.2
MAHBUBNAGAR	0.1	0.1	0.8	2.6	65.3	137.8	124.4	90.7	226.2	14.7	2.3	0.5
MEDAK	0.3	0.0	2.2	0.3	41.8	104.9	230.2	73.0	499.1	93.6	0.0	0.2
NALGONDA	1.8	0.0	4.8	0.6	89.1	163.9	126.8	176.5	324.5	47.8	0.0	2.4
NIZAMABAD	1.0	0.8	12.4	10.2	37.8	207.5	297.2	152.2	503.2	95.4	0.0	0.0
RANGAREDDY	0.6	0.0	1.6	7.0	80.6	137.1	168.2	129.6	351.1	32.1	0.0	0.3
WARANGAL	3.2	0.0	20.2	0.3	45.4	213.4	280.0	125.0	396.1	72.4	0.6	0.0
TRIPURA												
DHALAI	1.5	78.6	117.6	209.3	502.5	321.8	222.1	460.5	334.3	128.2	115.8	0.0
NORTH TRIPURA	5.3	115.9	147.4	419.1	670.1	293.3	291.4	442.5	335.5	97.3	153.9	6.9
SOUTH TRIPURA	0.0	31.5	106.4	71.3	382.3	240.2	448.1	350.4	248.1	194.7	188.1	0.0
WEST TRIPURA	3.9	23.3	101.5	164.9	404.8	170.4	346.8	192.5	119.6	90.5	195.8	0.5
UTTAR PRADESH												
AGRA	0.3	0.0	6.7	0.0	15.8	35.7	349.4	162.4	45.0	6.8	0.0	0.0
ALIGARH	0.0	0.5	4.3	0.0	31.6	65.8	324.2	173.1	26.1	4.3	0.0	0.0
ALLAHABAD	9.5	0.8	23.8	0.0	4.6	51.7	229.7	398.6	162.3	29.4	0.0	0.0
AMBEDKAR NAGAR	8.0	0.0	9.0	0.0	64.0	40.0	105.0	193.0	374.0	5.0	0.0	0.0
AMETHI	1.0	1.0	2.5	0.0	19.9	36.8	247.6	227.0	88.6	20.3	0.0	0.0
AURAIYA	5.0	2.0	1.0	0.0	13.0	60.2	219.4	93.3	25.2	27.2	0.0	0.0
AZAMGARH	7.7	0.0	9.6	0.0	61.0	111.5	381.1	281.2	307.6	8.3	0.0	0.0
BADAUN	0.0	3.3	11.0	0.0	34.8	89.2	408.4	142.4	17.4	20.0	0.0	0.0
BAGHPAT	0.0	0.4	30.4	0.0	19.6	14.9	207.5	123.6	31.8	0.0	0.0	0.0
BAHRAICH	1.2	3.2	2.7	0.0	114.0	93.8	608.9	159.5	145.4	89.1	0.0	0.0
BALLIA	3.5	0.0	3.2	0.0	61.1	48.3	303.4	136.1	278.7	37.7	0.0	0.0
BALRAMPUR	0.0	0.0	0.0	0.0	31.1	97.3	377.5	136.9	65.5	43.0	0.0	0.0
BANDA	11.1	7.9	6.3	0.0	30.2	71.4	583.5	452.2	56.9	11.0	0.0	0.0
BARABANKI	5.0	0.0	12.0	0.0	19.6	80.5	280.9	174.4	106.9	22.9	0.0	0.0
BAREILLY	0.0	3.4	8.5	0.1	75.1	86.1	663.8	276.4	85.4	12.1	0.0	0.0
BASTI	3.7	0.0	4.2	0.0	40.5	86.1	386.1	42.0	280.8	35.0	0.0	0.0
BIJNOR	0.0	6.6	14.5	0.0	52.8	106.0	581.8	139.8	48.4	6.8	0.0	0.0
BULANDSHAHR	0.0	2.0	6.4	0.0	31.8	56.0	288.7	161.3	35.0	7.8	0.0	0.0

CHANDAU LI	3.0	0.0	4.0	0.0	2.0	32.0	394.0	384.0	162.0	1.5	0.0	0.0
DEORIA	2.0	0.0	0.0	0.0	46.0	30.1	219.0	58.6	247.0	7.5	0.0	0.0
ETAH	0.0	0.0	14.7	0.0	5.5	73.1	410.7	218.0	8.0	4.4	0.0	0.0
ETA WAH	4.5	1.5	0.0	0.0	10.9	53.5	285.3	151.3	3.3	7.5	0.0	0.0
FAIZABAD	2.6	2.1	18.0	0.0	15.8	55.1	341.6	208.6	145.7	33.4	0.0	0.0
FARRUKHABAD	0.9	0.0	0.5	0.0	4.7	28.0	95.1	103.0	50.3	10.3	0.0	0.0
FATEHPUR	6.2	0.0	28.2	0.0	5.4	61.5	234.8	163.8	74.5	24.2	0.0	0.0
FIROZABAD	1.4	0.7	4.5	0.0	14.9	61.3	277.9	145.9	15.3	15.9	0.0	0.0
GAUTAM BUDDHA NAGAR	0.0	0.0	0.0	0.0	4.0	4.0	72.0	87.0	150.0	13.0	0.0	0.0
GHAZIABAD	0.0	0.0	21.4	0.0	12.2	56.3	65.5	90.0	26.6	3.2	0.0	0.0
GHAZIPUR	2.0	0.9	16.1	0.0	39.3	90.3	446.3	168.0	283.5	23.3	0.0	0.0
GONDA	7.5	0.0	0.3	0.0	46.9	109.1	439.1	138.8	110.2	25.6	0.0	0.0
GORAKHPUR	3.2	0.6	0.2	0.0	93.1	80.5	400.7	85.0	195.3	39.1	0.0	0.0
HAMIRPUR	5.3	1.0	29.7	0.0	25.6	33.0	431.9	371.3	42.0	20.8	0.0	0.0
HARDOI	5.2	0.4	0.0	0.0	13.1	42.6	366.4	179.5	96.6	8.3	0.0	0.0
JALAUN	5.7	0.0	8.9	0.0	14.3	63.7	325.8	215.5	33.5	33.0	0.0	0.0
JAUNPUR	1.9	0.0	12.4	0.0	17.8	53.1	207.9	238.0	205.4	7.7	0.0	0.0
JHANSI	6.6	0.0	8.6	0.0	13.4	44.7	297.7	225.5	21.6	22.3	0.0	0.0
JYOTIBA PHULE NAGAR	0.0	0.5	24.0	0.0	36.0	50.5	418.5	239.5	60.5	0.0	0.0	0.0
KANNAUJ	4.0	0.0	0.0	0.0	0.0	41.9	90.0	118.3	58.3	17.5	0.0	0.0
KANPUR CITY	7.9	1.4	14.0	0.0	34.3	62.4	203.5	77.5	31.6	31.5	0.0	0.0
KANPUR DEHAT	5.0	0.0	3.0	0.0	9.4	30.1	121.2	121.8	21.9	24.5	0.0	0.0
KANSHIRAM NAGAR	1.0	0.0	5.0	0.0	19.0	145.0	357.0	294.0	65.0	2.0	0.0	0.0
KAUSHAMBI	5.5	0.0	9.0	0.0	0.0	96.3	168.5	148.8	51.0	0.0	0.0	0.0
KHERI	0.3	1.9	0.8	0.5	106.6	115.6	563.6	217.9	184.4	39.6	0.0	0.0
KUSHI NAGAR	1.5	0.0	3.0	0.0	96.7	57.5	133.0	27.1	143.1	2.0	0.0	0.0
LALITPUR	14.0	1.0	16.2	0.0	9.0	87.5	428.0	317.2	33.5	13.0	0.0	0.0
LUCKNOW	6.7	0.2	15.0	0.0	18.0	92.0	220.5	211.7	84.1	28.2	0.0	0.0
MAHAMAYA NAGAR	0.0	0.0	1.5	0.0	8.0	37.0	384.0	80.3	80.5	24.5	0.0	0.0
MAHARAJGANJ	0.5	0.0	11.0	0.0	88.0	149.3	452.3	60.4	146.2	53.5	0.0	0.0
MAHOBA	5.6	2.2	2.6	0.0	3.8	20.4	398.6	376.7	27.4	5.8	0.0	0.0
MAINPURI	1.6	1.2	3.1	0.0	12.4	22.2	112.0	151.2	5.0	7.1	0.0	0.0
MATHURA	0.0	0.0	0.0	0.0	1.0	3.1	351.4	182.3	64.8	0.0	0.0	0.0
MAU	0.0	0.0	0.0	0.0	42.5	64.5	276.0	84.1	151.0	0.0	0.0	0.0
MEERUT	0.0	1.6	17.8	0.0	36.5	58.1	288.4	85.4	40.9	0.0	0.0	0.0
MIRZAPUR	10.5	0.0	34.5	0.0	9.8	83.6	603.7	489.6	230.0	28.1	0.0	0.0
MORADABAD	0.2	3.5	24.0	0.1	45.9	98.8	475.8	183.7	127.7	0.7	0.0	0.0
MUZAFFARNAGAR	1.0	3.6	22.6	5.7	48.0	50.2	247.4	132.2	44.0	0.0	0.0	0.0
PILIBHIT	0.7	3.7	0.0	0.7	31.6	67.3	316.7	94.1	50.5	3.0	0.0	0.0
PRATAPGARH	7.7	2.0	16.0	0.0	41.9	57.0	294.7	287.3	112.0	30.3	0.0	0.0
RAE BAREILLY	1.5	1.3	4.2	0.0	15.5	31.7	146.5	237.6	65.4	18.7	0.0	0.0
RAMPUR	0.8	2.5	18.0	0.0	49.1	81.2	358.1	140.8	48.7	0.0	0.0	0.0
SAHARANPUR	0.0	5.0	18.3	5.0	58.7	46.9	275.7	204.3	8.3	4.0	0.0	0.0
SAHUJI MAHARAJ NAGAR	9.5	5.0	9.0	0.0	1.5	107.5	257.5	534.5	145.0	3.5	0.0	0.0
SANT KABIR NAGAR	7.0	6.0	1.0	0.0	56.0	183.0	459.7	85.0	302.0	83.0	0.0	0.0
SANT RAVIDAS NAGAR	11.0	4.0	52.0	0.0	0.0	83.0	362.0	359.0	178.0	6.0	0.0	0.0
SHAHJAHANPUR	0.8	4.7	2.4	0.0	43.8	34.8	384.0	146.4	96.7	7.6	0.0	0.0
SHRAWASTI NAGAR						255.4	540.0	109.6	115.8	48.8		
SIDDHARTH NAGAR	0.0	0.0	0.0	0.0	40.0	145.2	336.9	38.0	129.7	29.7	0.0	0.0
SITAPUR	2.0	3.0	4.3	0.0	40.1	49.4	223.9	229.9	106.9	2.5	0.0	0.0
SONBHADRA	21.1	0.0	30.3	0.0	14.1	74.3	526.4	484.9	234.1	34.0	0.0	0.0
SULTANPUR	2.4	6.6	8.0	0.0	105.1	83.6	236.3	344.1	187.1	40.1	0.0	0.0

UNNAO	9.5	0.0	3.0	0.0	17.3	109.1	218.7	99.5	41.5	23.8	0.0	0.0
VARANASI	7.0	3.7	30.3	0.0	19.4	112.3	391.6	391.4	250.1	8.9	0.0	0.0
UTTARAKHAND												
ALMORA	3.8	14.2	62.2	7.6	56.4	126.4	425.5	231.6	77.9	0.0	0.0	0.4
BAGESHWAR	0.0	7.5	55.0	2.5	191.4	196.5	573.1	261.6	65.3	3.3	0.0	0.0
CHAMOLI	10.7	25.4	79.3	8.1	109.8	229.9	442.3	369.4	156.0	8.3	0.0	2.7
CHAMPAWAT	2.5	11.5	15.0	3.5	93.0	160.6	606.4	225.0	166.5	19.1	0.0	0.0
DEHRADUN	1.0	39.6	33.5	10.4	47.2	182.8	542.9	303.3	166.0	15.9	0.0	0.9
GARHWAL PAURI	0.1	15.0	17.8	6.0	47.5	86.4	489.2	242.9	83.5	0.0	0.0	1.5
GARHWAL TEHRI	0.9	51.9	32.2	14.9	38.8	80.6	415.0	225.5	31.4	0.2	0.0	4.5
HARDWAR	2.2	12.8	21.1	0.5	63.5	134.7	573.7	216.5	75.3	2.5	0.0	1.4
NAINITAL	1.4	17.2	60.7	5.8	143.3	224.7	714.8	407.1	197.9	14.0	0.0	0.3
PITHORAGARH	14.1	32.0	45.2	13.0	208.0	235.8	556.2	325.8	144.9	39.1	0.0	8.4
RUDRAPRAYAG	3.3	26.0	45.4	22.2	141.4	275.8	696.7	551.9	136.1	13.7	0.0	4.2
UDHAM SINGH NAGAR	0.1	1.9	4.6	7.9	76.2	97.7	346.3	116.8	82.5	0.4	0.0	2.6
UTTARKASHI	8.5	63.6	56.4	15.5	50.0	166.5	430.9	354.6	54.0	19.5	0.0	7.3
WEST BENGAL												
BANKURA	6.1	10.2	15.6	0.8	101.3	175.1	264.8	445.5	268.9	46.9	0.7	0.0
BIRBHUM	24.3	14.0	12.7	2.7	94.9	214.6	346.6	308.4	242.4	35.2	0.0	0.0
BURDWAN	13.5	29.3	15.0	0.0	120.0	182.5	263.9	463.5	274.5	44.3	1.9	0.0
COOCH BEHAR	6.6	0.1	71.6	99.0	267.1	829.1	828.6	231.5	433.0	122.5	0.0	1.1
DARJEELING	6.5	3.0	46.3	34.0	191.4	727.9	1168.3	310.9	535.0	306.2	0.0	0.0
EAST MIDNAPORE	5.2	58.4	13.2	6.0	138.5	175.1	309.5	426.4	268.4	153.6	72.5	0.0
HOOGLY	1.3	14.0	20.3	0.0	85.3	166.2	253.0	347.1	242.8	75.9	12.7	0.0
HOWRAH	0.4	104.1	8.8	0.0	52.0	119.0	334.6	309.5	214.1	74.4	59.0	0.0
JALPAIGURI	7.3	2.0	100.1	125.0	273.1	1021.9	1201.8	224.7	679.2	238.7	0.0	0.3
KOLKATA	0.0	94.5	8.9	0.2	141.0	131.2	301.3	583.8	246.0	117.0	65.5	0.0
MALDA	16.9	0.0	2.1	21.6	85.4	157.4	407.3	152.1	337.9	72.0	0.0	0.0
MURSHIDABAD	41.0	7.5	7.0	24.0	89.0	141.7	304.3	171.0	203.4	57.3	0.0	0.0
NADIA	0.8	38.7	16.2	3.2	181.3	152.1	334.5	429.1	176.2	67.5	16.9	0.0
NORTH 24 PARGANAS	0.7	84.4	37.8	2.5	146.0	225.8	427.1	473.4	135.0	111.3	30.7	0.0
NORTH DINAJPUR						266.6	433.0	124.8	364.6	90.9	0.0	0.0
PURULIA	5.0	15.5	5.5	0.1	73.5	151.8	250.1	506.8	329.6	30.0	0.0	0.0
SOUTH 24 PARGANAS	7.2	63.3	1.6	7.6	100.4	181.9	472.4	534.5	221.6	93.9	54.0	0.0
SOUTH DINAJPUR	0.0	0.0	5.2	12.3	50.1	86.8	310.1	62.8	244.6	78.9	0.0	0.0
WEST MIDNAPORE	6.0	48.0	27.4	12.0	133.5	161.1	359.2	371.7	192.2	71.6	8.6	0.0

Table 28: % Departures of District-wise Monthly Rainfall - Year 2016

DISTRICTS	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
A & N ISLAND (UT)												
NICOBAR	53%	20%	-100%	-96%	-62%	68%	-59%	-25%	50%	-12%	-39%	177%
NORTH & MIDDLE ANDAMAN	-17%	-100%	-100%	-100%	-48%	-35%	-33%	-54%	8%	-4%	-11%	328%
SOUTH ANDAMAN	46%	-100%	-21%	-96%	-37%	9%	-4%	-39%	69%	4%	-34%	328%
ANDHRA PRADESH												
ANANTAPUR	228%	-100%	-98%	-97%	67%	76%	68%	-83%	-66%	-95%	-93%	69%
CHITTOOR	-63%	-100%	-71%	-99%	59%	106%	53%	-80%	-67%	-80%	-92%	153%
CUDDAPAH	675%	-100%	-97%	-99%	0%	92%	36%	-44%	-12%	-91%	-92%	173%
EAST GODAVARI	-64%	-98%	-97%	-100%	91%	79%	7%	-27%	50%	-66%	-84%	-43%
GUNTUR	-97%	-100%	-100%	-99%	93%	121%	-41%	25%	93%	-50%	-98%	-47%
KRISHNA	-77%	-100%	-86%	-100%	154%	158%	-48%	-10%	19%	-54%	-87%	-15%
KURNOOL	261%	-100%	-94%	-97%	37%	88%	13%	-42%	17%	-91%	-92%	-76%
NELLORE	-56%	-100%	-100%	-96%	140%	66%	-26%	-74%	-45%	-88%	-89%	48%

DISTRICTS	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
PRAKASAM	-95%	-100%	-48%	-99%	12%	56%	-40%	-5%	20%	-92%	-91%	90%
SRIKAKULAM	-85%	-65%	-65%	-68%	197%	28%	-18%	-45%	41%	-51%	-47%	-87%
VISHAKHAPATNAM	-95%	-66%	-36%	-76%	66%	43%	17%	-17%	53%	-53%	-88%	-76%
VIZIANAGARAM	-97%	-99%	-62%	-55%	73%	42%	13%	-35%	60%	-45%	-96%	-91%
WEST GODAVARI	-82%	-100%	-69%	-100%	82%	145%	-28%	-29%	75%	-77%	-86%	-66%
ARUNACHAL PRADESH												
ANJAW	-59%					-58%	-32%			-28%		-100%
CHANGLANG	-84%	-71%	-63%	21%	-30%	-55%	-4%	-42%	-14%	-68%	-70%	-91%
DIBANG VALLEY	-38%	-27%	-66%	-79%						37%	-78%	-100%
EAST KAMENG	-100%	-99%	-80%	-30%	-61%	-61%	-52%	-62%	-51%	-80%	-100%	-100%
EAST SIANG	-55%	-22%	-46%	130%	0%	-25%	22%	-77%	63%	5%	-99%	-63%
KURUNG KUMEY												
LOHIT	-52%	56%	28%	70%	33%	-40%	1%	-46%	-15%	-48%	-60%	-54%
LOWER DIBANG VALLEY	-49%	-10%	-40%	247%	100%	17%	567%	53%	197%	130%	-63%	-100%
PAPUMPARA	24%	-54%	16%	99%	-27%	-2%	39%	-65%	45%	-13%	-94%	-40%
TAWANG	-15%	-54%	248%	279%	-28%	-61%	-32%	-67%	-58%	-81%	49%	-56%
TIRAP		-22%	-37%	86%	-22%	-39%	-48%	-48%	-17%	-69%	-42%	-86%
UPPER SIANG	-17%	5%	21%	-13%	53%	-8%	20%	-47%	70%	33%	-100%	-100%
UPPER SUBANSIRI	-32%	1%	-22%	74%	55%	48%	76%	-40%	330%	135%	-100%	-7%
WEST KAMENG	-73%	-96%	-29%	-50%	-65%	-67%	-40%	-82%	-75%	-69%	-100%	-92%
WEST SIANG	38%	8%	4%	-55%	-35%	4%	-35%	-89%	59%	30%	-98%	-76%
ASSAM												
BAKSA	259%	-91%	43%	41%	-11%	-47%	-33%	-79%	-59%	-39%	-100%	-8%
BARPETA	-24%	-98%	-4%	94%	-13%	-16%	-6%	-77%	-21%	-21%	-100%	-100%
BONGAIGAON	-30%	-100%	11%	103%	-10%	15%	-7%	-76%	-26%	-37%	-100%	-100%
CACHAR	-74%	27%	-51%	116%	19%	-37%	-14%	-26%	46%	2%	88%	-5%
CHIRANG	132%	-38%	-7%	104%	29%	19%	58%	-72%	-7%	-39%	-100%	-100%
DHEMAJI	-57%		-58%	-99%		35%	-32%	-59%	-29%	10%	-87%	-56%
DHUBRI	-18%	-97%	120%	60%	13%	-1%	-25%	-54%	-32%	11%	-100%	-65%
DIBRUGARH	-20%	12%	-2%	101%	0%	-22%	-25%	-48%	-11%	-26%	-38%	-77%
GOALPARA	-65%	-98%	108%	59%	11%	-42%	26%	-44%	-8%	-13%	-99%	-86%
GOLAGHAT	29%	-94%	-26%	106%	5%	3%	23%	-42%	14%	-62%	82%	-79%
HAILAKANDI	9%	65%	-56%	238%	74%	-19%	-14%	-36%	36%	-22%	168%	-5%
JORHAT	29%	-46%	-20%	107%	13%	9%	8%	-67%	5%	-23%	-38%	111%
KAMRUP (RURAL)	-86%	-77%	0%	257%	8%	-24%	1%	-57%	-24%	-68%	-100%	-100%
KAMRUP METRO.	78%	-78%	-57%	39%	-18%	3%	-15%	-59%	-64%	-31%	-99%	-79%
KARBI ANGLONG	125%	-80%	-46%	66%	-3%	-2%	27%	22%	11%	5%	223%	-1%
KARIMGANJ	-33%	50%	-37%	168%	1%	-31%	-24%	-16%	17%	-12%	179%	33%
KOKRAJHAR	30%	-100%	160%	14%	-2%	-8%	-33%	-84%	-21%	5%	-100%	-96%
LAKHIMPUR	-3%	17%	29%	65%	-22%	-7%	41%	-53%	11%	30%	-87%	-95%
MORIGAON	-91%	-98%	-31%	46%	32%	-24%	-20%	-67%	70%	83%	-86%	12%
N. C. HILLS	11%	-59%	-51%	166%	151%	-55%	-56%	-67%	-1%	-77%	292%	-76%
NAGAON	106%	-27%	-51%	19%	-11%	-23%	-33%	-48%	-27%	-42%	191%	-6%
NALBARI	115%	-85%	58%	129%	-23%	-33%	9%	-54%	6%	-52%	-100%	-71%
SHONITPUR	136%	-36%	-16%	58%	4%	-56%	-31%	-52%	-23%	-25%	-99%	-81%
SIBSAGAR	13%	-17%	76%	262%	30%	-14%	-12%	-33%	55%	-21%	-3%	-1%
TINSUKIA	-50%	20%	15%	156%	12%	-43%	-6%	-37%	8%	14%	-48%	-62%
UDALGURI	157%	-82%	-24%	145%	-11%	-63%	-1%	-64%	5%	-20%	-83%	19%
BIHAR												
ARARIA	101%	-100%	92%	-97%	69%	2%	55%	-58%	103%	49%	-100%	-100%
ARWAL	-79%	-100%	-20%	-100%	-32%	-12%	50%	7%	108%	190%	-100%	-100%

DISTRICTS	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
AURANGABAD	-13%	-100%	-5%	-100%	-20%	2%	19%	14%	117%	244%	-100%	-100%
BANKA	81%	-100%	-100%	-100%	44%	93%	4%	-21%	76%	-9%	-100%	-100%
BEGUSARAI	-36%	-100%	-100%	-100%	40%	-48%	-4%	-72%	86%	-35%	-100%	-100%
BHABUA	-51%	-100%	1%	-100%	-84%	-58%	28%	30%	0%	-6%	-100%	-100%
BHAGALPUR	33%	-92%	-85%	-69%	40%	-47%	8%	-55%	41%	-69%	-100%	-100%
BHOJPUR	-84%	-100%	-39%	-100%	92%	-53%	-1%	-60%	57%	-84%	-100%	-100%
BUXAR	-100%	-100%	-100%	-100%	-100%	6%	19%	-51%	6%	146%	-100%	-100%
DARBHANGA	-100%	-81%	-92%	-78%	136%	-5%	20%	-74%	103%	-32%	-100%	-100%
EAST CHAMPARAN	-33%	-96%	-100%	-64%	192%	-30%	-34%	-85%	56%	-70%	-100%	-100%
GAYA	59%	-97%	34%	-100%	-68%	-33%	34%	9%	157%	123%	-100%	-100%
GOPALGANJ	-100%	-100%	-100%	-100%	258%	-36%	-17%	-84%	49%	-66%	-100%	-100%
JAHANABAD	27%	-100%	-49%	-100%	-55%	-31%	9%	-30%	122%	48%	-100%	-100%
JAMUI	94%	-100%	-91%	-100%	-40%	-39%	-9%	25%	53%	-60%	-100%	-100%
KATI HAR	-100%	-100%	-100%	-45%	-5%	-68%	1%	-64%	22%	-16%	-100%	-100%
KHAGARIA	-43%	-24%	-100%	14%	50%	-78%	-27%	-66%	-9%	-68%	-100%	-100%
KISHANGANJ	-100%	-96%	-74%	-100%	52%	15%	43%	-62%	96%	76%	-100%	-100%
LAKHISARAI	25%	-100%	-27%	-100%	-27%	-56%	12%	-39%	90%	-58%	-100%	-100%
MADHEPURA	-90%	-100%	-100%	-46%	58%	-17%	-5%	-60%	70%	4%	-100%	-100%
MADHUBANI	-36%	-100%	-57%	-100%	21%	9%	-23%	-71%	60%	-76%	-100%	-100%
MONGHYR	-64%	-100%	-100%	-100%	-8%	-91%	-28%	-55%	101%	-57%	-100%	-100%
MUZAFFARPUR	-100%	-27%	-100%	-14%	72%	-47%	-18%	-75%	58%	-54%	-100%	-100%
NALANDA	-21%	-100%	3%	-100%	58%	-22%	39%	-45%	35%	32%	-100%	-100%
NAWADA	127%	-100%	-62%	-100%	-83%	-35%	-10%	-9%	64%	-22%	-100%	-100%
PATNA	-80%	-100%	-75%	-100%	204%	-39%	-13%	-58%	76%	-6%	-100%	-100%
PURNEA	-34%	-87%	88%	-35%	131%	-11%	-9%	-66%	13%	-14%	-100%	-100%
ROHTAS	96%	-87%	255%	-100%	9%	-40%	78%	-12%	37%	33%	-100%	-100%
SAHARSA	-100%	-100%	-100%	-100%	-1%	-65%	-42%	-80%	53%	-36%	-100%	-100%
SAMASTIPUR	-100%	-100%	-100%	-100%	198%	-31%	48%	-75%	44%	49%	-100%	-100%
SARAN	-77%	-95%	-100%	-100%	59%	-59%	-28%	-61%	30%	-19%	-100%	-100%
SHEIKHPURA	-100%	-100%	-100%	-100%	9%	25%	-27%	-4%	49%	82%	-100%	-100%
SHEOHAR	-100%	-100%	-100%	-100%	-84%	-93%	-40%	-82%	52%	-100%	-100%	-100%
SITAMARHI	-100%	-100%	-100%	-100%	-29%	-42%	-52%	-80%	79%	-97%	-100%	-100%
SIWAN	-100%	-100%	-100%	-100%	84%	-71%	-7%	-57%	31%	9%	-100%	-100%
SUPAUL	138%	-100%	-100%	22%	127%	56%	-20%	-48%	113%	62%	-100%	-100%
VAISHALI	-76%	-100%	-53%	-100%	251%	-52%	-18%	-68%	16%	-21%	-100%	-100%
WEST CHAMPARAN	-100%	-80%	-65%	-55%	133%	6%	18%	-74%	45%	-34%	-100%	-100%
CHANDIGARH (UT)												
CHANDIGARH	-100%	-97%	74%	7%	98%	11%	-54%	-48%	-73%	-99%	-99%	-3%
CHHATTISGARH												
BALOD	342%	-100%	487%	-100%	70%	94%	-5%	-29%	95%	176%	-100%	-100%
BALODA BAZAR	27%	-71%	-100%	-100%	-100%	-28%	0%	-55%	7%	-38%	-100%	-100%
BALRAMPUR	-100%	-49%	179%	-100%	-54%	-58%	-6%	83%	-41%	49%	-100%	-100%
BASTAR	-92%	-76%	354%	-25%	-35%	82%	22%	-12%	33%	48%	-100%	-100%
BEMETARA	-15%	-12%	202%	-78%	49%	-30%	-9%	-61%	85%	243%	-100%	-100%
BIJAPUR	65%	-100%	-57%	-100%	60%	39%	18%	-19%	56%	2%	-100%	-100%
BILASPUR	-7%	-53%	46%	-39%	500%	-33%	-5%	-32%	8%	16%	-100%	-100%
DANTEWADA	-96%	-100%	189%	-100%	-35%	28%	-19%	-20%	144%	-62%	-100%	-100%
DHAMTARI	95%	-100%	189%	-81%	17%	35%	-22%	-46%	74%	27%	-100%	-100%
DURG	-100%	-100%	61%	-53%	320%	27%	-21%	-21%	72%	-17%	-100%	-100%
GARIABAND	-8%	-62%	48%	-66%	-77%	-41%	-21%	-22%	62%	-19%	-100%	-100%
JANJGIR	-100%	-94%	23%	-79%	21%	-58%	17%	6%	22%	-3%	-100%	-100%

DISTRICTS	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
JASHPUR	-73%	-30%	-75%	-100%	-95%	-32%	0%	-39%	-9%	-58%	-100%	-100%
KABIRDHAM	-100%	-60%	-45%	-100%	-100%	-1%	-16%	-21%	38%	-54%	-100%	-100%
KANKER	-100%	-100%	-100%	-100%	-100%	-12%	45%	57%	76%	68%	-100%	-100%
KONDAGAON	-100%	-100%	143%	-52%	-79%	82%	3%	-2%	33%	118%	-100%	-100%
KORBA	-29%	32%	104%	-80%	41%	-73%	-17%	-19%	66%	-49%	-100%	-100%
KORIYA	-100%	-100%	260%	-100%	-100%	-49%	-11%	29%	7%	67%	-100%	-100%
MAHASAMUND	305%	-29%	37%	0%	45%	-33%	6%	-34%	94%	49%	-100%	-100%
MUNGELI	74%	-100%	-31%	-79%	6%	-51%	-36%	-7%	-17%	-49%	-100%	-100%
NARAYANPUR	-94%	-100%	162%	-83%	249%	46%	8%	25%	31%	72%	-100%	-100%
RAIGARH	-64%	-51%	-63%	-94%	-81%	-45%	6%	14%	24%	-10%	-100%	-100%
RAIPUR	-66%	-99%	1%	-1%	138%	-9%	-3%	-38%	83%	54%	-100%	-100%
RAJNANDGAON	-100%	-94%	333%	29%	-71%	2%	-8%	-27%	6%	66%	-100%	-100%
SUKMA	-100%	-100%	-100%	-100%	-86%	48%	-22%	-9%	104%	32%	-100%	-100%
SURAJPUR	24%	-79%	368%	-100%	44%	-99%	-55%	-20%	-31%	5%	-100%	-100%
SURGUJA	-17%	-86%	21%	-80%	32%	-92%	-18%	76%	16%	73%	-100%	-100%
DADARA & NAGAR HAVELI												
DADARA & NAGAR HAVELI						-51%	35%	71%	3%	114%		
DAMAN & DIU												
DAMAN	-100%					-32%	-6%	25%	46%	83%		
DIU	-100%	-100%	0%	-100%	-100%	-19%	17%	80%	167%	-39%	-100%	-100%
DELHI												
CENTRAL DELHI	-100%	-94%	-61%	-100%	-17%	-75%	44%	-5%	-7%	12%	-100%	-100%
EAST DELHI	-100%	-100%	-48%	-100%	-64%		-45%	-88%	-75%	-90%	-100%	
NEW DELHI	-100%	-92%	95%	-100%	-5%	-54%	32%	-41%	-35%	-93%	-100%	-100%
NORTH DELHI	-100%	-94%	-20%	-96%	2%	-34%	47%	-33%	-55%	-14%	-100%	-100%
NORTH EAST DELHI	-100%	-100%	44%	-100%	-33%	-78%	-42%	-47%	-91%	-61%	-100%	-100%
NORTH WEST DELHI	-100%	-91%	-38%	-100%	-20%	-15%	19%	-68%	-62%	-100%	-100%	-100%
SOUTH DELHI	-100%	-97%	56%	-100%	96%	54%	84%	-79%	-62%	-77%	-100%	-100%
SOUTH WEST DELHI	-100%	-90%	68%	-98%	69%	0%	54%	-31%	-51%	-85%	-100%	-100%
WEST DELHI	-100%	-100%	-8%	-100%	-100%	24%	74%	-88%	-36%			
GOA												
NORTH GOA	-100%	-100%	-100%	-100%	-91%	17%	-14%	-22%	14%	-28%	-81%	-94%
SOUTH GOA	-100%	-100%	-100%	-98%	-89%	51%	-10%	-36%	-2%	-62%	-67%	-88%
GUJARAT												
AHMEDABAD	-100%	-100%	91%	-100%	-97%	-91%	-43%	-2%	-56%	180%	-100%	-100%
AMRELI	-100%	-100%	-94%	-100%	81%	-59%	-6%	15%	109%	329%	-100%	-100%
ANAND	-100%	-100%	-79%	-100%	-29%	-92%	-53%	-16%	-39%	185%	-100%	-100%
ARAVALLI	-100%	-100%	-100%	-100%	-100%	-61%	20%	63%	-69%	328%	-100%	-100%
BANASKANTHA	-100%	-100%	-100%	-100%	-100%	-69%	-48%	29%	-79%	369%	-100%	-100%
BHARUCH	-100%	-100%	41%	-100%	-90%	-91%	-45%	-42%	-19%	190%	-100%	-100%
BHAVNAGAR	-100%	-100%	-93%	-100%	-89%	-76%	29%	2%	79%	182%	-100%	-100%
BOTAD	-100%	-100%	-100%	-100%	-100%	-65%	-38%	43%	-11%	445%	-100%	-100%
CHHOTA UDEPUR	-100%	-100%	60%	-100%	-100%	-69%	-31%	-6%	-18%	26%	-100%	-100%
DAHOD	-100%	-100%	-100%	-100%	-100%	-60%	-19%	17%	-31%	76%	-100%	-100%
DANGS	-100%	-100%	-100%	-100%	0%	-92%	1%	45%	-14%	13%	-96%	-100%
DEVBHOO MI DWARKA	-100%	-100%	-56%	-100%	-100%	-62%	-21%	244%	-77%	240%	-100%	-100%
GANDHINAGAR	-100%	-100%	129%	-100%	-100%	-83%	-6%	15%	-60%	244%	-100%	-100%
GIR SOMNATH	-100%	-100%	-100%	-100%	-100%	-40%	0%	71%	87%	148%	-100%	-100%
JAMNAGAR	-100%	-100%	-100%	-100%	-100%	-58%	-32%	214%	-81%	422%	-100%	-100%
JUNAGADH	-100%	-100%	25%	-100%	-100%	-72%	-31%	71%	66%	401%	-100%	-100%
KHEDA	-100%	-100%	-39%	-100%	-100%	-82%	-43%	-12%	-60%	332%	-100%	-100%

DISTRICTS	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
KUTCH	-100%	-100%	-69%	-100%	-40%	-73%	-70%	81%	-86%	203%	-100%	-100%
MAHISAGAR	-100%	-100%	129%	-100%	-100%	-82%	28%	13%	-59%	137%	-100%	-100%
MEHSANA	-100%	-100%	-100%	-100%	-100%	-66%	-30%	4%	-86%	262%	-100%	-100%
MORBI	-100%	-100%	-100%	-100%	-100%	-33%	-73%	21%	-100%	446%	-100%	-100%
NARMADA	-100%	-100%	-100%	-100%	-93%	-83%	-44%	-35%	-8%	224%	-100%	-100%
NAVSARI	-100%	-100%	75%	-100%	-100%	-83%	-21%	-7%	22%	17%	-100%	-100%
PANCHMAHAL	-100%	-100%	-100%	-100%	-96%	-69%	10%	-8%	-56%	224%	-100%	-100%
PATAN	-100%	-100%	-100%	-100%	-100%	-59%	-35%	51%	-90%	521%	-100%	-100%
PORBANDAR	-100%	-100%	-100%	-100%	-96%	-55%	-28%	62%	-40%	299%	-100%	-100%
RAJKOT	-100%	-100%	-100%	-100%	-100%	-63%	-54%	77%	-4%	196%	-100%	-100%
SABARKANTHA	-100%	-100%	-100%	-100%	-100%	-58%	-29%	13%	-76%	108%	-100%	-100%
SURAT	-100%	-100%	106%	-100%	-100%	-74%	-24%	-6%	13%	261%	-100%	-100%
SURENDRANAGAR	-100%	-100%	-100%	-100%	-100%	-74%	-47%	19%	-68%	136%	-100%	-100%
TAPI	-100%	-100%	125%	-100%	-100%	-88%	-41%	-26%	-12%	249%	-100%	-100%
VADODARA	-100%	-100%	-100%	-100%	-100%	-87%	-63%	-33%	-26%	94%	-100%	-100%
VALSAD	-100%	-100%	0%	-100%	-100%	-59%	6%	65%	12%	52%	-100%	-100%
HARYANA												
AMBALA	-99%	-94%	-8%	-36%	115%	-40%	-52%	-44%	-76%	-94%	-100%	-62%
BHIWANI	-100%	-100%	16%	-100%	60%	-51%	31%	9%	-98%	-64%	-100%	-100%
FARIDABAD	-100%	-100%	23%	-100%	158%	-11%	46%	-4%	-42%	7%	-100%	-100%
FATEHABAD	-100%	-100%	111%	-100%	-55%	-78%	-18%	-9%	-100%	-100%	-100%	-100%
GURGAON	-100%	-100%	131%	-92%	27%	2%	11%	-25%	-55%	21%	-100%	-100%
HISAR	-100%	-89%	166%	-100%	60%	36%	22%	-58%	-99%	-70%	-100%	-100%
JHAJJAR	-100%	-100%	71%	-100%	71%	6%	11%	39%	-82%	-97%	-100%	-100%
JIND	-100%	-92%	84%	-100%	248%	-2%	5%	-32%	-100%	-98%	-100%	-100%
KAITHAL	-100%	-85%	127%	-100%	25%	-49%	-55%	9%	-100%	-100%	-100%	-100%
KARNAL	-100%	-98%	40%	-93%	236%	-38%	-15%	-21%	-90%	-99%	-100%	-100%
KURUKSHETRA	-99%	-90%	-16%	-92%	175%	-82%	-70%	-51%	-91%	-100%	-100%	-100%
MAHENDRAGARH	-100%	-100%	-4%	-100%	101%	15%	1%	-9%	-96%	-100%	-100%	-100%
MEWAT	-100%	-100%	202%	-100%	255%	93%	23%	-36%	-57%	-84%	-100%	-100%
PALWAL	-100%	-100%	-3%	-100%	4%	52%	22%	-10%	-50%	-100%	-100%	-100%
PANCHKULA	-99%	-93%	-24%	-55%	-15%	-41%	-58%	-52%	-78%	-88%	-100%	-6%
PANIPAT	-100%	-95%	248%	-100%	180%	-65%	-51%	-33%	-94%	-94%	-100%	-100%
REWARI	-100%	-100%	180%	-100%	597%	12%	59%	10%	-86%	154%	-100%	-100%
ROHTAK	-100%	-99%	-13%	-100%	8%	-67%	-45%	-37%	-99%	-100%	-100%	-100%
SIRSA	-100%	-57%	110%	-100%	-88%	-75%	-58%	10%	-100%	-9%	-100%	-100%
SONEPAT	-100%	-91%	195%	-100%	77%	-35%	-41%	-60%	-93%	-98%	-100%	-100%
YAMUNA NAGAR	-100%	-95%	-2%	-55%	116%	-3%	50%	-35%	-84%	-83%	-100%	-54%
HIMACHAL PRADESH												
BILASPUR	-82%	-66%	45%	-87%	112%	65%	-46%	31%	-41%	-66%	-100%	-84%
CHAMBA	-82%	-48%	86%	9%	66%	-37%	-63%	-43%	-85%	-83%	-100%	-98%
HAMIRPUR	-85%	-58%	14%	-73%	106%	15%	-28%	20%	-46%	-99%	-100%	-92%
KANGRA	-91%	-54%	16%	-67%	99%	-9%	-9%	-5%	-52%	-92%	-100%	-92%
KINNAUR	-84%	-59%	-30%	36%	-78%	-73%	-60%	-40%	-62%	-95%	-100%	-90%
KULLU	-56%	-24%	38%	16%	-20%	-29%	1%	70%	-58%	-85%	-100%	-99%
LAHAUL & SPITI	-79%	-80%	-31%	-28%	-62%	-69%	-89%	-64%	-82%	-99%	-100%	-100%
MANDI	-81%	-37%	14%	-49%	157%	30%	-23%	12%	-29%	-68%	-100%	-99%
SHIMLA	-67%	-37%	29%	-9%	19%	9%	-1%	48%	-74%	-80%	-100%	-90%
SIRMAUR	-98%	-49%	17%	-42%	33%	4%	-23%	-47%	-53%	-79%	-100%	-89%
SOLAN	-91%	-50%	75%	-53%	125%	94%	-25%	-5%	-68%	-62%	-100%	-82%
UNA	-77%	-40%	77%	-93%	259%	144%	-38%	4%	-17%	-77%	-100%	-97%

DISTRICTS	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
JAMMU & KASHMIR												
ANANTNAG	-61%	-34%	16%	11%	-34%	-59%	-8%	27%	-64%	-88%	-100%	-95%
BADGAM	-56%	-22%	61%	-3%	-57%	-46%	0%	-54%	-95%	-96%	-100%	-92%
BARAMULA	-28%	-67%	48%	13%	-7%	-57%	-7%	24%	-32%	-92%	-99%	-92%
DODA	-78%	-63%	-20%	-22%	-38%	-39%	-5%	22%	-76%	-98%	-100%	-79%
GANDERBAL	-2%	-53%	81%	67%	20%	-64%	-13%	49%	-48%	-100%	-100%	-91%
JAMMU	-80%	-74%	65%	-74%	-73%	112%	46%	16%	-41%	-92%	-100%	-100%
KATHUA	-94%	-85%	153%	-62%	94%	178%	-16%	-23%	-7%	-82%	-100%	-100%
KULGAM	-62%	-22%	39%	2%	-48%	-85%	13%	-32%	-95%	-100%	-100%	-93%
KUPWARA	5%	-57%	30%	-29%	-22%	-61%	-24%	-58%	-84%	-93%	-100%	-70%
LADAKH (LEH)	-69%	-83%	-78%	-88%	-99%	-37%	-82%	-35%	-99%	-100%	-100%	-100%
PULWAMA	-73%	13%	97%	6%	-21%	-75%	68%	74%	-92%	-100%	-100%	-90%
RAJOURI	-64%	-20%	216%	40%	-23%	150%	-7%	-37%	-71%	-77%	-100%	-100%
RAMBAN	-74%	-65%	51%	-7%	31%	-24%	-20%	-16%	-63%	-96%	-100%	-90%
REASI	-84%	-67%	109%	-49%	121%	22%	9%	2%	-26%	-80%	-100%	-93%
SAMBA	-81%	-88%	-23%	-96%	-81%	90%	-4%	-44%	-7%	-100%	-100%	-100%
SRINAGAR	-55%	-31%	67%	11%	-24%	-65%	30%	21%	-79%	-89%	-100%	-94%
UDHAMPUR	-90%	-84%	17%	-61%	12%	-5%	-29%	-26%	-58%	-97%	-100%	-96%
JHARKHAND												
BOKARO	-45%	-83%	-51%	-100%	74%	-50%	-29%	16%	18%	-45%	-100%	-100%
CHATRA	-47%	-100%	37%	-100%	37%	-71%	-24%	70%	24%	-36%	-100%	-100%
DEOGHAR	-8%	-15%	-76%	-81%	9%	5%	2%	13%	-14%	-98%	-100%	-100%
DHANBAD	-85%	1%	-86%	-98%	-8%	-26%	-31%	37%	36%	-75%	-100%	-100%
DUMKA	20%	-64%	-69%	-100%	70%	45%	-20%	16%	21%	-65%	-100%	-100%
EAST SINGBHUM	67%	-63%	-76%	-92%	71%	-21%	21%	170%	122%	-58%	-100%	-100%
GARHWA	244%	-100%	796%	-100%	786%	-31%	6%	62%	-45%	35%	-100%	-100%
GIRIDIH	0%	62%	-34%	-97%	95%	-26%	-34%	35%	53%	-29%	-100%	-100%
GODDA	-21%	-66%	-97%	-89%	11%	-41%	2%	-40%	14%	-65%	-100%	-100%
GUMLA	-4%	110%	1%	-97%	70%	-39%	31%	-12%	-11%	-26%	-100%	-100%
HAZARIBAG	-4%	-100%	63%	-100%	162%	-48%	1%	34%	68%	38%	-100%	-100%
JAMTARA	-13%	-65%	-72%	-95%	84%	12%	4%	0%	-5%	-69%		
KHUNTI	-100%	-100%	-100%	-100%	93%	-72%	-13%	-7%	-39%	-63%	-100%	-100%
KODERMA	-51%	-100%	-69%	-100%	18%	-53%	-8%	14%	43%	-69%	-100%	-100%
LATEHAR	-66%	-77%	47%	-100%	-17%	-30%	-3%	102%	108%	27%	-100%	-100%
LOHARDAGA	-44%	-96%	83%	-100%	6%	-39%	20%	60%	28%	-3%	-100%	-100%
PAKUR	-29%	-100%	-86%	-58%	-32%	-45%	-31%	-40%	-27%	-70%	-100%	-100%
PALAMU	0%	-100%	119%	-98%	-22%	-56%	24%	56%	32%	66%	-100%	-100%
RAMGARH	-78%	-100%	1%	-100%	28%	-33%	-30%	33%	22%	47%		
RANCHI	-78%	-85%	-5%	-100%	31%	-63%	-15%	-21%	-29%	-64%	-100%	-100%
SAHIBGANJ	-51%	-100%	-33%	-43%	-22%	-7%	-20%	-47%	-7%	-80%	-100%	-100%
SERAIKELA-KHARSAWAN	-45%	-77%	-94%	-84%	82%	-68%	-16%	38%	9%	-81%	-100%	-100%
SIMDEGA	-84%	38%	100%	-100%	60%	-60%	-19%	-4%	-34%	-38%	-100%	-100%
WEST SINGBHUM	-41%	-76%	-69%	-100%	95%	-32%	-38%	19%	39%	-75%	-100%	-100%
KARNATAKA												
BAGALKOTE	-86%	-100%	-31%	-24%	-16%	38%	30%	-59%	-30%	-88%	-99%	-99%
BALLARI	569%	-100%	-100%	-84%	17%	77%	-11%	-72%	-65%	-90%	-86%	-52%
BELAGAVI	-97%	-8%	33%	-57%	-27%	-6%	23%	18%	-35%	-84%	-68%	-98%
BENGALURU RURAL	424%	-100%	132%	-94%	58%	98%	147%	-73%	-71%	-70%	-84%	409%
BENGALURU URBAN	115%	-100%	122%	-84%	24%	122%	105%	-65%	-73%	-80%	-95%	307%
BIDAR	-86%	-73%	129%	-5%	94%	92%	21%	-54%	177%	47%	-100%	-97%
CHAMARAJANAGAR	62%	-86%	-84%	-88%	-22%	2%	-2%	-84%	-84%	-92%	-94%	-2%

DISTRICTS	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
CHIKABALLAPURA	95%	-100%	-86%	-90%	122%	61%	146%	-85%	-72%	-97%	-88%	293%
CHIKKAMAGALURU	-58%	-34%	-46%	-74%	-11%	-21%	-39%	-43%	-39%	-86%	-77%	64%
CHITRADURGA	-36%	-100%	-82%	-87%	1%	55%	45%	-86%	-54%	-84%	-99%	76%
DAKSHINA KANNADA	-83%	-100%	-98%	-69%	-25%	-3%	-28%	-36%	-30%	-80%	-67%	-39%
DAVANGERE	-65%	-100%	-100%	-99%	3%	88%	23%	-60%	-27%	-87%	-100%	-2%
DHARWAD	-88%	-98%	-54%	-55%	-38%	6%	-20%	-23%	-62%	-77%	-91%	-95%
GADAG	-68%	-100%	-66%	-35%	2%	17%	2%	-42%	-44%	-97%	-100%	-45%
HASSAN	-19%	-31%	-95%	-42%	-18%	18%	-30%	-52%	-61%	-91%	-68%	184%
HAVERI	-5%	-20%	-14%	-79%	-2%	43%	-26%	-39%	-53%	-93%	-65%	-72%
KALABURGI	-96%	-72%	53%	-46%	29%	53%	66%	-69%	64%	-66%	-93%	-86%
KODAGU	-92%	-82%	-70%	-70%	-3%	-3%	-45%	-39%	-30%	-78%	-56%	185%
KOLAR	236%	-100%	-64%	-100%	102%	91%	140%	-69%	-84%	-90%	-95%	341%
KOPPAL	-55%	-100%	-100%	-100%	21%	104%	-14%	-57%	-51%	-74%	-100%	-93%
MANDYA	25%	-97%	-73%	-70%	-44%	47%	188%	-13%	-61%	-78%	-92%	217%
MYSURU	73%	-48%	2%	-67%	-23%	50%	16%	-63%	-84%	-90%	-91%	137%
RAICHUR	-14%	-100%	-100%	-86%	-17%	54%	8%	-56%	45%	-85%	-100%	-66%
RAMANAGARA	47%	-100%	-99%	-92%	-7%	0%	118%	-35%	-84%	-71%	-86%	283%
SHIVAMOGGA	56%	-100%	-100%	-95%	-26%	15%	-29%	-22%	13%	-72%	-27%	-53%
TUMAKURU	152%	-100%	-72%	-95%	-5%	101%	128%	-69%	-72%	-91%	-95%	244%
UDUPI	-43%	-100%	-100%	-100%	-41%	23%	-30%	-34%	-27%	-63%	-83%	-20%
UTTARA KANNADA	38%	-100%	-88%	-95%	-41%	14%	-40%	-40%	-21%	-42%	-80%	-94%
VIJAYAPURA	-98%	-100%	64%	-52%	-29%	1%	39%	-49%	-21%	-82%	-99%	-80%
YADGIR	-100%	-100%	-91%	-95%	-37%	-18%	10%	-59%	8%	-85%	-91%	-61%
KERALA												
ALAPUZHA	-66%	101%	1%	-82%	-1%	-12%	-31%	-52%	-71%	-63%	-66%	-59%
CANNUR	-100%	-100%	-90%	-98%	-41%	-6%	-42%	-19%	-38%	-80%	-76%	-28%
ERNAKULAM	-97%	386%	-89%	-61%	7%	-10%	-7%	-41%	-71%	-46%	-21%	-56%
IDUKKI	-62%	-77%	-39%	-74%	26%	-10%	-31%	-39%	-61%	-66%	-78%	-60%
KASARGOD	24%	-50%	-100%	-99%	-36%	-5%	-35%	-28%	-50%	-90%	-74%	39%
KOLLAM	-94%	49%	-12%	-58%	55%	11%	-34%	-47%	-80%	-48%	-10%	-64%
KOTTAYAM	-11%	76%	71%	-58%	13%	-3%	-27%	-49%	-74%	-51%	-49%	-81%
KOZHICODE	-100%	-100%	115%	-93%	1%	2%	-37%	-46%	-61%	-84%	-93%	-23%
MALAPPURAM	-100%	-53%	-80%	-95%	-30%	-11%	-49%	-53%	-65%	-70%	-89%	-28%
PALAKKAD	-92%	-100%	-81%	-96%	7%	-1%	-43%	-52%	-57%	-67%	-84%	8%
PATHANAMTHITTA	-97%	-90%	-5%	-33%	45%	-18%	-36%	-40%	-70%	-38%	-9%	-85%
THIRUVANANTHAPURAM	-83%	-83%	-46%	-50%	98%	17%	-48%	-70%	-90%	-84%	-75%	-65%
THRISSUR	218%	-46%	-64%	-53%	-11%	-17%	-45%	-66%	-78%	-67%	-94%	30%
WYNAD	-31%	-100%	-26%	-76%	-35%	-41%	-70%	-59%	-64%	-72%	-87%	32%
LAKSHADWEEP (UT)												
LAKSHADWEEP	187%	-18%	-73%	-95%	-55%	-3%	-9%	-60%	-54%	-63%	-73%	27%
MADHYA PRADESH												
AGAR-MALWA	-100%	-100%	-100%	-100%	-70%	29%	64%	100%	-53%	13%	-100%	-100%
ALIRAJPUR	-33%	-100%	-10%	-100%	139%	20%	14%	35%	25%	159%	-100%	-100%
ANUPPUR	-54%	-100%	-41%	-100%	-74%	-28%	-20%	-6%	-9%	-58%	-100%	-100%
ASHOKNAGAR	56%	-73%	225%	-100%	303%	18%	63%	3%	-70%	139%	-100%	-100%
BALAGHAT	-82%	-75%	-19%	-97%	-49%	-60%	-20%	-23%	-24%	-72%	-100%	-100%
BARWANI	-100%	-100%	-100%	-100%	-71%	-14%	-12%	-37%	2%	105%	-100%	-100%
BETUL	-53%	-89%	-57%	-100%	-27%	-38%	101%	-30%	-39%	-28%	-100%	-100%
BHIND	-30%	-92%	-93%	-100%	376%	110%	-4%	-29%	-78%	-74%	-100%	-100%
BHOPAL	78%	-94%	-17%	-100%	-7%	34%	95%	49%	-36%	128%	-100%	-100%
BURHANPUR	-100%	-100%	-100%	-100%	-92%	-81%	85%	-51%	43%	1%	-100%	-100%

DISTRICTS	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
CHHATARPUR	9%	-75%	237%	-100%	259%	14%	90%	73%	-51%	-95%	-100%	-100%
CHHINDWARA	1%	-85%	53%	-100%	223%	4%	71%	-36%	-31%	-10%	-100%	-100%
DAMOH	81%	-94%	-13%	-100%	589%	-36%	145%	19%	-61%	-20%	-100%	-100%
DATIA	-24%	-100%	-84%	-100%	732%	54%	-15%	-31%	-85%	-11%	-100%	-100%
DEWAS	-33%	-100%	-100%	-100%	-46%	21%	-3%	4%	-49%	-25%	-100%	-100%
DHAR	17%	-100%	-76%	-100%	-97%	6%	0%	3%	9%	186%	-100%	-100%
DINDORI	0%	-100%	90%	-100%	98%	-36%	-17%	33%	86%	38%	-100%	-100%
GUNA	-24%	-100%	-75%	-100%	-24%	-8%	78%	56%	-76%	-8%	-100%	-100%
GWALIOR	-58%	-100%	75%	-100%	641%	40%	-6%	-38%	-98%	-34%	-100%	-100%
HARDA	-71%	-100%	-65%	-100%	-34%	27%	5%	3%	-75%	24%	-100%	-100%
HOSHANGABAD	-27%	-100%	-18%	-100%	-34%	3%	157%	43%	-18%	30%	-100%	-100%
INDORE	-98%	-100%	174%	-100%	-14%	-12%	23%	23%	-33%	-43%	-100%	-100%
JABALPUR	-19%	-100%	134%	-100%	574%	-26%	70%	43%	-62%	-2%	-100%	-100%
JHABUA	-64%	-100%	-63%	-100%	131%	-46%	12%	89%	21%	114%	-100%	-100%
KATNI	36%	-85%	73%	-100%	536%	-6%	47%	47%	-36%	-40%	-100%	-100%
KHANDWA	-91%	-84%	-83%	-100%	-69%	-21%	72%	-15%	-8%	2%	-100%	-100%
KHARGONE	-100%	-100%	-100%	-100%	-61%	-34%	10%	-42%	14%	137%	-100%	-100%
MANDLA	-21%	-81%	-21%	-87%	101%	9%	62%	-6%	-25%	1%	-100%	-100%
MANDSAUR	-84%	-100%	-100%	-100%	310%	48%	11%	89%	-64%	-46%	-100%	-100%
MORENA	-99%	-100%	-66%	-100%	168%	89%	9%	-44%	-91%	-36%	-100%	-100%
NARSINGHPUR	-72%	-96%	3%	-90%	-30%	-39%	81%	-15%	-62%	77%	-100%	-100%
NEEMUCH	-48%	-100%	-100%	-100%	-100%	3%	-16%	162%	-38%	16%	-100%	-100%
PANNA	-33%	-100%	43%	-100%	95%	6%	100%	91%	-59%	36%	-100%	-100%
RAISEN	5%	-100%	-6%	-100%	40%	6%	88%	25%	-72%	26%	-100%	-100%
RAJGARH	8%	-100%	-98%	-100%	74%	33%	53%	102%	-68%	34%	-100%	-100%
RATLAM	-99%	-100%	-100%	-100%	143%	1%	-9%	172%	-37%	4%	-100%	-100%
REWA	58%	-100%	28%	-100%	-5%	-61%	19%	80%	-4%	-38%	-100%	-100%
SAGAR	10%	-99%	-57%	-100%	53%	-20%	97%	9%	-58%	-9%	-100%	-100%
SATNA	62%	-100%	71%	-100%	351%	-74%	165%	105%	-56%	-40%	-100%	-100%
SEHORE	-60%	-100%	-24%	-100%	-34%	38%	100%	19%	-38%	-47%	-100%	-100%
SEONI	-28%	-34%	48%	-100%	-32%	-47%	70%	3%	-35%	-62%	-100%	-100%
SHAHDOL	0%	-100%	-15%	-100%	251%	24%	-2%	18%	6%	-81%	-100%	-100%
SHAJAPUR	15%	-100%	-70%	-100%	30%	58%	60%	24%	-33%	-71%	-100%	-100%
SHEOPUR	-100%	-100%	-100%	-100%	32%	-4%	-17%	37%	-76%	-28%	-100%	-100%
SHIVPURI	-73%	-100%	-24%	-100%	27%	26%	53%	4%	-73%	-24%	-100%	-100%
SIDHI	60%	-100%	40%	-100%	94%	-72%	78%	48%	-13%	-87%	-100%	-100%
SINGRAULI	73%	-71%	28%	-100%	46%	-34%	50%	52%	47%	170%	-100%	-100%
TIKAMGARH	-63%	-86%	389%	-100%	329%	-9%	20%	-5%	-91%	48%	-100%	-100%
UJJAIN	53%	-100%	-70%	-100%	367%	16%	20%	89%	-17%	-15%	-100%	-100%
UMARIA	66%	-87%	160%	-97%	405%	-19%	-3%	39%	-9%	-91%	-100%	-100%
VIDISHA	0%	-97%	38%	-100%	15%	21%	70%	75%	-66%	117%	-100%	-100%
MAHARASHTRA												
AHMEDNAGAR	-100%	-90%	82%	-100%	-83%	-16%	56%	-14%	50%	32%	-100%	-100%
AKOLA	-100%	-99%	-89%	-100%	-37%	6%	74%	-45%	-7%	29%	-100%	-100%
AMRAOTI	-98%	6%	-16%	-100%	126%	-7%	88%	-45%	26%	22%	-100%	-100%
AURANGABAD	-100%	-100%	150%	-99%	-73%	-23%	51%	-42%	3%	-1%	-100%	-100%
BEED	-100%	237%	134%	-71%	-66%	21%	27%	-47%	125%	45%	-100%	
BHANDARA	-100%	-55%	16%	-67%	126%	-51%	14%	-56%	2%	25%	-100%	-100%
BULDHANA	-100%	-24%	2%	-100%	3%	-14%	91%	-49%	23%	-6%	-100%	-100%
CHANDRAPUR	-97%	-81%	183%	63%	111%	27%	67%	-61%	85%	48%	-100%	-100%
DHULE	-100%	-100%	25%	-100%	-77%	-23%	-27%	-29%	5%	68%	-100%	

DISTRICTS	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
GADCHIROLI	-64%	-88%	89%	-2%	-70%	4%	57%	-31%	95%	59%	-100%	-100%
GONDIA	-98%	-72%	184%	-20%	138%	-32%	10%	-19%	53%	3%	-100%	-100%
HINGOLI	-100%		88%	-59%	-86%	-7%	32%	-68%	37%	74%	-100%	
JALGAON	-100%	-100%	-17%	-90%	-76%	-56%	43%	-38%	49%	37%	-100%	-100%
JALNA	-100%	-100%	44%	-94%	-86%	-9%	88%	-43%	74%	32%	-100%	-100%
KOLHAPUR	-100%	-100%	36%	-82%	-92%	-39%	3%	10%	-32%	-71%	-84%	-100%
LATUR	-100%	172%	149%	-5%	-57%	8%	53%	-58%	152%	74%	-100%	-100%
MUMBAI CITY	-100%	-100%	-100%	-100%	-75%	-4%	2%	4%	150%	-6%	-100%	-100%
MUMBAI SUBURBAN	-100%	-100%	9900%	-100%	-100%	32%	11%	3%	118%	-3%	-100%	-100%
NAGPUR	-95%	57%	-9%	-63%	-26%	-16%	35%	-58%	-28%	20%	-100%	-100%
NANDED	-100%	-100%	29%	-64%	-36%	65%	53%	-51%	59%	45%	-100%	-100%
NANDURBAR	-100%	-100%	533%	-100%	-96%	-63%	-14%	-8%	11%	62%	-100%	
NASHIK	-100%	-100%	1434%	-100%	-5%	-59%	56%	58%	-9%	-5%	-100%	-100%
OSMANABAD	-100%	127%	204%	-26%	-59%	-6%	28%	-55%	95%	35%	-100%	-78%
PALGHAR	-100%	-100%	3143%	-100%	-95%	-6%	18%	44%	53%	-8%	-100%	-100%
PARBHANI	-100%	-89%	39%	-85%	-90%	0%	39%	-61%	125%	20%	-100%	-100%
PUNE	-100%	120%	178%	-94%	-49%	-50%	42%	86%	19%	-34%	-100%	-100%
RAIGAD	-100%	-100%	3043%	-100%	-93%	5%	15%	19%	98%	3%	-100%	-100%
RATNAGIRI	-100%	3400%	17%	-71%	-96%	20%	40%	5%	120%	2%	-100%	-100%
SANGLI	-100%	311%	180%	-86%	-77%	1%	64%	2%	-13%	-90%	-78%	-100%
SATARA	-100%	407%	193%	-92%	-79%	11%	34%	98%	-4%	-42%	-100%	-72%
SHOLAPUR	-100%	-55%	61%	-41%	-72%	16%	54%	-71%	25%	-29%	-87%	-29%
SINDHUDURG	-100%	-100%	-100%	-100%	-95%	25%	15%	-13%	40%	-20%	-84%	-100%
THANE					-100%	-24%	19%	4%	34%	-34%		
WARDHA	-94%	19%	64%	-93%	-28%	4%	77%	-46%	-5%	6%	-100%	-100%
WASHIM	-100%	-19%	174%	-100%	34%	-9%	51%	-55%	0%	12%	-100%	-100%
YEOTMAL	-100%	3%	65%	-66%	-12%	12%	54%	-63%	13%	10%	-100%	-100%
MANIPUR												
CHANDEL			-28%	76%	72%					-62%	-3%	-100%
IMPHAL EAST	-51%	-25%	-40%	46%	49%	-59%	-6%	-68%	-14%	-15%	62%	-74%
IMPHAL WEST	-98%	110%	74%	415%	378%	91%	106%	56%	360%	64%	54%	-96%
THOUBAL			-47%	119%	101%				-22%	-28%	137%	-100%
UKHRUL			-100%	-95%	-98%							
MEGHALAYA												
EAST GARO HILLS	186%	-100%	0%	13%	104%	40%	195%	-86%	-14%	90%	-100%	44%
EAST KHASI HILLS	-11%	-64%	-35%	229%	-10%	-46%	71%	-69%	6%	21%	-36%	-30%
JAINTIA HILLS	-57%	-95%	-81%	-18%		-45%		-68%		-22%	57%	
RI-BHOI	-26%	-100%	-59%	0%	-19%	-42%	-38%	-73%	-23%	-30%	-80%	-74%
SOUTH GARO HILLS	106%		-22%	-61%	-77%					66%	-94%	240%
WEST GARO HILLS	-6%	-98%	6%	-1%	-5%	-16%	-10%	-54%	-41%	-59%	-100%	-49%
WEST KHASI HILLS	-4%	-94%	-33%	-50%	-94%		-52%		-77%	11%	-81%	
MIZORAM												
AIZWAL	-97%	-48%	20%	44%	1%	-9%	-41%	-19%	1%	-29%	36%	-100%
KOLASIB			-98%									
LUNGLEI	-100%	83%				-42%	-45%	-27%	9%	-58%	-48%	-100%
SAIHA	64%	-29%	-77%	-61%	26%	57%	-15%	-16%	-3%	21%	-41%	-100%
SERCHHIP	-100%	42%	-93%	-92%	-96%	-52%	52%	-26%	19%	-49%	28%	-100%
NAGALAND												
DIMAPUR	58%	34%	-68%	69%	9%	5%	41%	46%	88%	-79%	50%	-64%
KEPHIRE	-55%	-90%		-66%		-57%			-35%	-64%	18%	-65%
KOHIMA	70%	-71%	-71%	-46%	-21%	-45%	-39%	-36%	-8%	-21%	114%	-61%

DISTRICTS	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
MOKOKCHUNG	-53%	-74%	-95%	-96%					-79%	-71%	-54%	-100%
MON	91%	-58%						83%				
PHEK	77%	-93%	-55%	2%	16%	8%	-11%	-67%	-47%	-43%	112%	5%
WOKHA	23%	-38%	-46%	-76%	-94%	-22%	-17%	-53%	41%	-15%	130%	-64%
ODISHA												
ANGUL	-93%	29%	35%	-90%	-31%	-34%	-19%	8%	-35%	-7%	-67%	-100%
BALASORE	-42%	37%	-82%	-61%	51%	-35%	-6%	-8%	2%	0%	47%	-100%
BARGARH	-48%	-27%	-20%	-68%	33%	-33%	-39%	-19%	30%	5%	-97%	-100%
BHADRAK	-99%	34%	-90%	-90%	96%	-17%	31%	-8%	16%	-44%	56%	-100%
BOLANGIR	-90%	-41%	-65%	-63%	-53%	-62%	-38%	-30%	32%	40%	-100%	-100%
BOUDHGARH	-100%	-95%	-33%	-100%	-79%	-41%	-37%	-1%	51%	-43%	-100%	-100%
CUTTACK	-99%	-96%	-83%	-91%	41%	-33%	-3%	-6%	19%	-23%	-49%	-100%
DEOGARH	-69%	-19%	-90%	-89%	-38%	-74%	-37%	-40%	-3%	-18%	-100%	-100%
DHENKANAL	-100%	77%	22%	-91%	20%	-45%	15%	3%	-45%	-48%	-55%	-100%
GAJAPATI	-87%	-92%	-53%	-79%	19%	0%	-14%	-22%	34%	4%	-70%	-100%
GANJAM	-76%	-23%	-75%	-77%	36%	16%	-27%	-26%	12%	-31%	-76%	-100%
JAGATSingHPUR	-81%	-96%	-68%	-88%	91%	-37%	-9%	13%	63%	-28%	41%	-100%
JAJPUR	-100%	19%	-59%	-70%	26%	-28%	16%	-3%	12%	-52%	3%	-100%
JHARSUGUDA	-98%	-8%	0%	-99%	-56%	-66%	-36%	1%	10%	-45%	-100%	-100%
KALAHANDI	-100%	-94%	-8%	-96%	-51%	-50%	-2%	-20%	41%	83%	-100%	-100%
KANDHAMAL	-100%	-87%	-14%	-96%	-76%	-2%	-30%	-30%	15%	-2%	-95%	-100%
KENDRAPARA	-70%	-74%	-84%	-81%	106%	-5%	-22%	36%	8%	-17%	21%	-100%
KEONJHARGARH	-79%	92%	-33%	-86%	43%	-35%	1%	11%	-20%	-46%	-87%	-100%
KHURDA	-89%	-86%	-90%	-98%	7%	-21%	-20%	-18%	5%	-56%	-71%	-100%
KORAPUT	-100%	-100%	-4%	-55%	52%	54%	3%	-9%	21%	-26%	-98%	18%
MALKANGIRI	-100%	-24%	-56%	-100%	-37%	27%	-28%	-29%	43%	49%	-94%	700%
MAYURBHANJ	-29%	97%	-78%	-63%	0%	-19%	-23%	-4%	2%	-22%	-57%	-100%
NAWAPARA	-100%	-80%	-67%	-100%	-87%	-8%	-16%	-39%	80%	-3%	-100%	-100%
NAWARANGPUR	-94%	-84%	256%	-64%	-56%	27%	-9%	-33%	11%	3%	-99%	-100%
NAYAGARH	-100%	-40%	-42%	-70%	134%	-30%	-15%	-31%	9%	-42%	-94%	-100%
PURI	43%	-94%	-95%	-95%	87%	-23%	-18%	22%	14%	-60%	12%	-100%
RAYAGADA	-98%	-68%	-32%	-61%	-30%	4%	-5%	-1%	-14%	-13%	-99%	-100%
SAMBALPUR	-63%	-65%	-59%	-56%	-18%	-65%	-40%	1%	-6%	-7%	-100%	-100%
SONEPUR	-36%	5%	-85%	-81%	-68%	-61%	-49%	-10%	19%	3%	-100%	-100%
SUNDARGARH	-99%	-23%	-72%	-99%	-45%	-53%	-11%	-15%	25%	-11%	-99%	-100%
PONDICHERY (UT)												
KARAIKAL	-99%	-99%	-94%	-100%	392%	-22%	-63%	17%	-14%	-83%	-71%	-79%
PUDUCHERRY	-97%	-100%	-100%	-100%	144%	6%	-76%	47%	3%	-87%	-98%	-42%
PUNJAB												
AMRITSAR	-37%	-75%	-8%	-100%	39%	96%	4%	-35%	-78%	-88%	-61%	-100%
BARNALA	-86%	-23%	-10%	-100%	327%	25%	62%	11%	-100%	-100%	-100%	-100%
BHATINDA	-94%	-57%	188%	-100%	166%	-41%	-16%	53%	-99%	-100%	-100%	-100%
FARIDKOT	-97%	-16%	242%	-94%	121%	17%	-37%	100%	-100%	-100%	-100%	-100%
FATEHGARH SAHIB	-100%	-100%	58%	-100%	-12%	17%	-56%	-41%	-95%	-100%	-100%	-63%
FEROZEPUR	-87%	-81%	-12%	-100%	-91%	-86%	-72%	-48%	-86%	-86%	-100%	-100%
GURDASPUR	-94%	-90%	31%	-78%	23%	86%	7%	-4%	-45%	-96%	-99%	-90%
HOSHIARPUR	-70%	-88%	-54%	-87%	24%	3%	-74%	-14%	-85%	-97%	-93%	-100%
JALANDHAR	-63%	-69%	-12%	-91%	-31%	-45%	-35%	-28%	-86%	-89%	-93%	-100%
KAPURTHALA	-73%	-72%	120%	-95%	73%	58%	18%	118%	-47%	-99%	-77%	-100%
LUDHIANA	-32%	-78%	-20%	-99%	-2%	44%	-24%	-61%	-91%	-84%	-59%	-91%
MANSA	-100%	-77%	-8%	-100%	66%	-25%	9%	-43%	-100%	-100%	-100%	-100%

DISTRICTS	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
MOGA	-80%	-81%	65%	-100%	3%	104%	93%	76%	-100%	-90%	-100%	-100%
MUKTSAR	-70%	-53%	403%	-100%	102%	-79%	66%	4%	-100%	-100%	-100%	-100%
NAWANSHAHAR	-52%	-70%	-10%	-85%	119%	62%	-53%	-26%	-62%	-51%	-100%	-93%
PATIALA	-98%	-85%	101%	-93%	136%	-45%	-55%	-53%	-96%	-100%	-100%	-87%
ROPAR	-76%	-85%	-29%	-91%	29%	106%	-43%	16%	2%	-48%	-100%	-76%
SANGRUR	-99%	-69%	141%	-98%	99%	18%	-8%	-37%	-99%	-98%	-100%	-100%
SAS NAGAR (MOHALI)	-100%	-100%	59%	-64%	147%	-39%	-19%	-24%	-60%	-80%	-100%	-8%
TARN TARAN	-17%	-84%	49%	-100%	61%	104%	16%	-12%	-100%	-100%	-100%	-100%
RAJASTHAN												
AJMER	-100%	-24%	-89%	-100%	-87%	59%	14%	61%	-62%	547%	-100%	-100%
ALWAR	-100%	-90%	193%	-100%	202%	22%	49%	22%	-84%	-49%	-100%	-100%
BANSWARA	-100%	-100%	-100%	-100%	-100%	-47%	25%	70%	-33%	209%	-100%	-100%
BARAN	-33%	-100%	-11%	-100%	-13%	6%	64%	87%	-75%	33%	-100%	-100%
BARMER	-100%	-96%	-24%	-100%	-99%	-62%	-62%	117%	-91%	460%	-100%	-100%
BHARATPUR	-100%	-100%	-92%	-100%	112%	99%	64%	-2%	-69%	41%	-100%	-100%
BHILWARA	-95%	-98%	-32%	-100%	-50%	55%	41%	117%	-52%	25%	-94%	-100%
BIKANER	-100%	-68%	162%	-51%	-96%	52%	-19%	93%	-81%	100%	-100%	-100%
BUNDI	-94%	-100%	-90%	-100%	-19%	2%	25%	82%	-33%	8%	-100%	-100%
CHITTORGARH	-100%	-100%	-53%	-100%	-63%	6%	58%	189%	-53%	115%	-100%	-100%
CHURU	-100%	-63%	168%	-100%	56%	32%	52%	39%	-50%	197%	-100%	-100%
DAUSA	-100%	-100%	14%	-100%	16%	1%	49%	41%	-54%	-1%	-100%	-100%
DHOLPUR	-100%	-100%	36%	-100%	140%	-61%	68%	-13%	-78%	-44%	-100%	-100%
DUNGARPUR	-100%	-100%	-100%	-100%	-100%	-30%	50%	85%	-66%	156%	-100%	-100%
HANUMANGARH	-100%	-42%	238%	-100%	-5%	19%	-20%	-13%	-66%	-29%	-100%	-100%
JAIPUR	-94%	-75%	33%	-100%	-22%	-29%	45%	4%	-54%	71%	-100%	-100%
JAISALMER	-100%	-62%	40%	-100%	-34%	6%	-58%	62%	-95%	100%	-100%	-100%
JALORE	-100%	-100%	-86%	-100%	-100%	-27%	-60%	151%	-79%	415%	-100%	-100%
JHALAWAR	-39%	-100%	-82%	-100%	61%	9%	30%	72%	-53%	-33%	-100%	-100%
JHUNJHUNU	-100%	-96%	73%	-100%	-22%	7%	87%	24%	-80%	-7%	-100%	-100%
JODHPUR	-100%	-67%	-38%	-100%	-95%	42%	-28%	190%	-69%	360%	-100%	-100%
KARAUJI	-98%	-96%	119%	-100%	-6%	-10%	69%	0%	-67%	87%	-100%	-100%
KOTA	-76%	-100%	-100%	-100%	9%	23%	-13%	79%	-30%	-5%	-100%	-100%
NAGAUR	-71%	-98%	-11%	-100%	-63%	46%	-6%	78%	-48%	249%	-100%	-100%
PALI	-100%	-92%	-34%	-100%	-100%	3%	27%	266%	-70%	160%	-100%	-100%
PRATAPGARH	-100%	-100%	-100%	-100%	-100%	-40%	43%	129%	-21%	64%	-100%	-100%
RAJSAMAND	-100%	-100%	66%	-100%	-100%	38%	60%	120%	-61%	306%	-100%	-100%
SAWAI MADHOPUR	-95%	-100%	-9%	-100%	-29%	4%	55%	67%	-70%	15%	-92%	-100%
SIKAR	-100%	-86%	210%	-100%	18%	-2%	31%	48%	-67%	89%	-100%	-100%
SIROHI	-100%	-100%	-46%	-100%	-100%	-53%	-4%	54%	-75%	404%	-100%	-100%
SRI GANGANAGAR	-100%	11%	87%	-85%	-95%	-62%	-63%	18%	-46%	-97%	-100%	-100%
TONK	-70%	-100%	-57%	-100%	-68%	-39%	56%	54%	-65%	40%	-100%	-100%
UDAIPUR	-100%	-100%	-70%	-100%	-91%	-14%	78%	91%	-72%	295%	-100%	-100%
SIKKIM												
EAST SIKKIM	-55%	-87%	103%	26%	16%	-16%	12%	-52%	-2%	-37%	-99%	-98%
NORTH SIKKIM	33%	-65%	54%	-5%	8%	9%	0%	-30%	64%	-47%	-100%	-100%
SOUTH SIKKIM	-55%	-96%	-51%	-83%	-19%	-17%	24%	-60%	1%	-18%	-100%	-91%
WEST SIKKIM	-82%	-95%	-65%	-65%	-34%	-20%	2%	-59%	50%	-58%	-100%	-100%
TAMILNADU												
ARIYALUR	-100%	-100%	-100%	-100%	34%	-45%	25%	10%	-59%	-68%	-85%	-75%
CHENNAI	-98%	-100%	-100%	-100%	355%	70%	-45%	-65%	132%	-89%	-82%	59%
COIMBATORE	181%	-98%	-17%	-61%	4%	116%	88%	1%	-68%	-45%	-89%	-5%

DISTRICTS	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
CUDDALORE	-98%	-99%	-97%	-100%	93%	120%	-11%	-9%	-56%	-72%	-89%	-79%
DHARMAPURI	-100%	-100%	-80%	-100%	-11%	19%	101%	-66%	-91%	-73%	-96%	0%
DINDIGUL	-97%	-98%	-95%	-88%	20%	-2%	37%	-56%	-86%	-26%	-76%	-44%
ERODE	-100%	-100%	-99%	-68%	-44%	81%	67%	-28%	-83%	-79%	-87%	-41%
KANCHEEPURAM	-98%	-100%	-100%	-100%	274%	19%	-30%	-31%	43%	-87%	-91%	111%
KANYAKUMARI	-100%	-22%	-66%	-66%	88%	30%	-56%	-86%	-97%	-80%	-55%	-75%
KARUR	-100%	-100%	-95%	-94%	116%	-15%	119%	-69%	-87%	-83%	-89%	-39%
KRISHNAGIRI	-97%	-100%	-84%	-90%	45%	56%	146%	-49%	-97%	-80%	-89%	122%
MADURAI	-100%	-99%	-99%	-73%	-19%	-79%	49%	-52%	-55%	-21%	-94%	-9%
NAGAPATTINAM	-99%	-99%	-100%	-100%	338%	46%	-60%	35%	-57%	-71%	-70%	-80%
NAMAKKAL	-100%	-100%	-100%	-88%	-7%	-20%	84%	-49%	-76%	-85%	-93%	-28%
NILGIRIS	-46%	-100%	-86%	-84%	-13%	17%	-28%	-60%	-64%	-77%	-53%	36%
PERAMBALUR	-100%	-100%	-100%	-100%	158%	30%	92%	-42%	-33%	-67%	-81%	-64%
PUDUKKOTTAI	-100%	-100%	-100%	-100%	56%	-28%	-37%	-26%	-40%	-49%	-85%	-43%
RAMANATHAPURAM	-97%	-85%	-94%	-87%	115%	-25%	-14%	-55%	-28%	-72%	-52%	-59%
SALEM	-100%	-100%	-100%	-95%	27%	28%	45%	-17%	-85%	-81%	-95%	4%
SIVAGANGA	-100%	-100%	-93%	-73%	174%	-6%	32%	52%	13%	-65%	-86%	-17%
THANJAVUR	-100%	-100%	-99%	-97%	140%	41%	5%	-2%	-42%	-53%	-77%	-50%
THENI	-90%	-93%	-67%	-85%	13%	104%	100%	-53%	-91%	-38%	-84%	-71%
TIRUNELVELI	-85%	-80%	-71%	-78%	71%	100%	-36%	-96%	-99%	-70%	-50%	-66%
TIRUPPUR	-100%	-100%	-100%	-74%	53%	22%	-26%	-51%	-75%	-3%	-72%	-37%
TIRUVALLUR	-94%	-100%	-100%	-100%	228%	118%	-51%	-87%	35%	-97%	-89%	83%
TIRUVANNAMALAI	-39%	-100%	-100%	-100%	23%	66%	21%	-33%	-38%	-67%	-96%	24%
TIRUVARUR	-100%	-100%	-100%	-100%	301%	0%	-39%	-16%	-46%	-66%	-71%	-57%
TOOTHUKUDI	-100%	-81%	-36%	-93%	-13%	-48%	-25%	-93%	-95%	-74%	-43%	-85%
TRICHY	-100%	-100%	-88%	-98%	115%	7%	115%	-49%	-82%	-42%	-97%	-64%
VELLORE	-89%	-100%	-98%	-100%	9%	116%	48%	-59%	-60%	-82%	-93%	140%
VILLUPURAM	-100%	-98%	-100%	-100%	76%	9%	49%	-44%	-46%	-52%	-94%	-36%
VIRUDHUNAGAR	-84%	-100%	-94%	-95%	19%	-69%	68%	-53%	-71%	-60%	-75%	-12%
TELANGANA												
ADILABAD	-80%	-84%	58%	-38%	62%	28%	27%	-52%	58%	19%	-100%	-100%
HYDERABAD	-80%	-100%	-98%	-68%	268%	-5%	5%	-41%	163%	-34%	-81%	-60%
KARIMNAGAR	-97%	-100%	155%	-17%	145%	19%	25%	-29%	116%	4%	-100%	-100%
KHAMMAM	-70%	-100%	33%	-93%	-9%	113%	-30%	-39%	69%	-5%	-99%	-96%
MAHBUBNAGAR	-95%	-96%	-85%	-84%	91%	51%	-23%	-43%	52%	-83%	-89%	-86%
MEDAK	-96%	-100%	-77%	-98%	49%	-24%	0%	-65%	202%	8%	-100%	-97%
NALGONDA	-56%	-100%	-48%	-96%	210%	59%	-18%	20%	117%	-55%	-100%	-64%
NIZAMABAD	-87%	-82%	41%	-17%	54%	29%	3%	-49%	191%	5%	-100%	-100%
RANGAREDDY	-81%	-100%	-78%	-67%	133%	25%	-12%	-27%	98%	-66%	-100%	-92%
WARANGAL	-61%	-100%	64%	-98%	58%	45%	3%	-44%	155%	-19%	-97%	-100%
TRIPURA												
DHALAI	-89%	102%	11%	-15%	16%	-33%	-39%	36%	31%	-30%	175%	-100%
NORTH TRIPURA	-61%	212%	24%	54%	52%	-39%	-28%	20%	20%	-44%	241%	-47%
SOUTH TRIPURA	-99%	3%	35%	-58%	14%	-49%	-10%	-12%	-3%	11%	323%	-100%
WEST TRIPURA	-60%	-17%	41%	-15%	12%	-60%	-12%	-40%	-52%	-48%	372%	-95%
UTTAR PRADESH												
AGRA	-98%	-100%	-25%	-100%	70%	-34%	54%	-42%	-64%	-76%	-100%	-100%
ALIGARH	-100%	-96%	-54%	-100%	72%	39%	52%	-34%	-80%	-89%	-100%	-100%
ALLAHABAD	-46%	-92%	213%	-100%	-30%	-37%	-13%	43%	-11%	-15%	-100%	-100%
AMBEDKAR NAGAR	-46%	-100%	6%	-100%	258%	-61%	-67%	-32%	85%	-88%	-100%	-100%
AMETHI	-92%	-89%	-60%	-100%	18%	-55%	-18%	-17%	-51%	-55%	-100%	-100%

DISTRICTS	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
AURAIYA	-63%	-88%	-87%	-100%	20%	1%	-3%	-65%	-83%	-46%	-100%	-100%
AZAMGARH	-39%	-100%	9%	-100%	294%	17%	14%	-4%	33%	-80%	-100%	-100%
BADAUN	-100%	-80%	-6%	-100%	140%	29%	62%	-51%	-88%	-66%	-100%	-100%
BAGHPAT	-100%	-98%	139%	-100%	44%	-65%	7%	-44%	-64%	-100%	-100%	-100%
BAHRAICH	-94%	-80%	-78%	-100%	247%	-39%	81%	-46%	-29%	74%	-100%	-100%
BALLIA	-67%	-100%	-52%	-100%	202%	-56%	4%	-48%	70%	-9%	-100%	-100%
BALRAMPUR	-100%	-100%	-100%	-100%	-19%	-31%	-2%	-59%	-70%	-41%	-100%	-100%
BANDA	-37%	-32%	0%	-100%	149%	-22%	124%	43%	-67%	-70%	-100%	-100%
BARABANKI	-71%	-100%	48%	-100%	10%	-28%	-9%	-39%	-52%	-55%	-100%	-100%
BAREILLY	-100%	-82%	-32%	-99%	302%	-11%	125%	-7%	-48%	-79%	-100%	-100%
BASTI	-76%	-100%	-61%	-100%	96%	-33%	19%	-85%	40%	-25%	-100%	-100%
BIJNOR	-100%	-74%	-40%	-100%	176%	15%	70%	-56%	-70%	-83%	-100%	-100%
BULANDSHAHAR	-100%	-85%	-51%	-100%	127%	5%	29%	-37%	-75%	-78%	-100%	-100%
CHANDAULI	-84%	-100%	-66%	-100%	-81%	-59%	30%	35%	-10%	-95%	-100%	-100%
DEORIA	-85%	-100%	-100%	-100%	92%	-77%	-31%	-80%	23%	-86%	-100%	-100%
ETAH	-100%	-100%	48%	-100%	-53%	40%	104%	-10%	-93%	-89%	-100%	-100%
ETAWAH	-68%	-87%	-100%	-100%	3%	-12%	29%	-48%	-98%	-83%	-100%	-100%
FAIZABAD	-86%	-83%	150%	-100%	-16%	-55%	-1%	-33%	-31%	-35%	-100%	-100%
FARRUKHABAD	-94%	-100%	-94%	-100%	-64%	-62%	-61%	-64%	-64%	-80%	-100%	-100%
FATEHPUR	-66%	-100%	292%	-100%	-37%	-25%	-10%	-43%	-59%	-39%	-100%	-100%
FIROZABAD	-89%	-94%	-41%	-100%	45%	3%	28%	-43%	-89%	-55%	-100%	-100%
GAUTAM BUDDHA NAGAR	-100%	-100%	-100%	-100%	-33%	-89%	-60%	-62%	19%	-64%	-100%	-100%
GHAZIABAD	-100%	-100%	19%	-100%	-2%	26%	-69%	-65%	-79%	-91%	-100%	-100%
GHAZIPUR	-87%	-90%	102%	-100%	183%	-9%	67%	-45%	34%	-53%	-100%	-100%
GONDA	-56%	-100%	-97%	-100%	110%	-25%	31%	-56%	-52%	-57%	-100%	-100%
GORAKHPUR	-83%	-95%	-98%	-100%	242%	-52%	8%	-78%	-23%	-43%	-100%	-100%
HAMIRPUR	-67%	-91%	460%	-100%	283%	-57%	75%	20%	-74%	-38%	-100%	-100%
HARDOI	-71%	-97%	-99%	-100%	-23%	-51%	39%	-33%	-42%	-86%	-100%	-100%
JALAUN	-58%	-100%	57%	-100%	77%	-3%	36%	-31%	-79%	-30%	-100%	-100%
JAUNPUR	-88%	-100%	79%	-100%	51%	-42%	-32%	-7%	-8%	-76%	-100%	-100%
JHANSI	-54%	-100%	62%	-100%	54%	-43%	10%	-27%	-88%	-40%	-100%	-100%
JYOTIBA PHULE NAGAR	-100%	-97%	51%	-100%	159%	-15%	50%	-20%	-58%	-100%	-100%	-100%
KANNAUJ	-74%	-100%	-100%	-100%	-100%	-29%	-63%	-62%	-64%	-71%	-100%	-100%
KANPUR CITY	-53%	-89%	133%	-100%	345%	0%	-10%	-71%	-78%	-43%	-100%	-100%
KANPUR DEHAT	-63%	-100%	-45%	-100%	49%	-57%	-49%	-58%	-87%	-45%	-100%	-100%
KANSHIRAM NAGAR	-94%	-100%	-56%	-100%	44%	179%	59%	7%	-57%	-96%	-100%	-100%
KAUSHAMBI	-64%	-100%	11%	-100%	-100%	33%	-35%	-44%	-69%	-100%	-100%	-100%
KHERI	-99%	-89%	-94%	-92%	266%	-12%	90%	-28%	-5%	-38%	-100%	-100%
KUSHI NAGAR	-90%	-100%	-72%	-100%	168%	-69%	-64%	-93%	-41%	-97%	-100%	-100%
LALITPUR	-33%	-89%	148%	-100%	32%	2%	33%	-11%	-81%	-62%	-100%	-100%
LUCKNOW	-63%	-99%	105%	-100%	47%	7%	-13%	-19%	-50%	-41%	-100%	-100%
MAHAMAYA NAGAR	-100%	-100%	-86%	-100%	-25%	-23%	80%	-67%	-32%	-22%	-100%	-100%
MAHARAJGANJ	-97%	-100%	-15%	-100%	143%	-20%	7%	-84%	-37%	-26%	-100%	-100%
MAHOBA	-68%	-79%	-46%	-100%	-49%	-69%	64%	20%	-82%	-77%	-100%	-100%
MAINPURI	-86%	-88%	-62%	-100%	25%	-64%	-47%	-39%	-96%	-82%	-100%	-100%
MATHURA	-100%	-100%	-100%	-100%	-89%	-93%	80%	-25%	-37%	-100%	-100%	-100%
MAU	-100%	-100%	-100%	-100%	121%	-45%	-18%	-74%	-33%	-100%	-100%	-100%
MEERUT	-100%	-92%	11%	-100%	153%	-6%	8%	-72%	-73%	-100%	-100%	-100%
MIRZAPUR	-42%	-100%	245%	-100%	-5%	-8%	109%	69%	-1%	-15%	-100%	-100%
MORADABAD	-99%	-84%	85%	-97%	191%	9%	63%	-42%	-18%	-98%	-100%	-100%
MUZAFFARNAGAR	-96%	-82%	57%	-3%	236%	-22%	-7%	-51%	-68%	-100%	-100%	-100%

DISTRICTS	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
PILIBHIT	-97%	-78%	-100%	-89%	37%	-40%	-3%	-73%	-75%	-96%	-100%	-100%
PRATAPGARH	-50%	-80%	98%	-100%	365%	-30%	2%	1%	-43%	-12%	-100%	-100%
RAE BAREILLY	-90%	-86%	-27%	-100%	103%	-54%	-43%	-7%	-61%	-65%	-100%	-100%
RAMPUR	-96%	-89%	-6%	-100%	121%	-24%	8%	-56%	-69%	-100%	-100%	-100%
SAHARANPUR	-100%	-81%	-14%	-12%	177%	-50%	0%	-32%	-94%	-88%	-100%	-100%
SAHUJI MAHARAJ NAGAR	-45%	-58%	5%	-100%	-81%	22%	-6%	69%	-30%	-90%	-100%	-100%
SANT KABIR NAGAR	-41%	-54%	-90%	-100%	169%	31%	29%	-72%	56%	63%	-100%	-100%
SANT RAVIDAS NAGAR	-41%	-67%	348%	-100%	-100%	5%	20%	26%	-2%	-81%	-100%	-100%
SHAHJAHANPUR	-95%	-73%	-82%	-100%	117%	-64%	32%	-52%	-41%	-89%	-100%	-100%
SHRAWASTI NAGAR						65%	60%	-63%	-44%	-5%		
SIDDHARTH NAGAR	-100%	-100%	-100%	-100%	83%	4%	-6%	-88%	-34%	-53%	-100%	-100%
SITAPUR	-89%	-75%	-63%	-100%	118%	-57%	-18%	-17%	-47%	-96%	-100%	-100%
SONBHADRA	17%	-100%	194%	-100%	19%	-41%	84%	66%	11%	-2%	-100%	-100%
SULTANPUR	-82%	-24%	27%	-100%	522%	1%	-22%	26%	3%	-12%	-100%	-100%
UNNAO	-36%	-100%	-59%	-100%	64%	32%	-12%	-65%	-76%	-58%	-100%	-100%
VARANASI	-62%	-74%	218%	-100%	64%	20%	26%	39%	6%	-76%	-100%	-100%
UTTARAKHAND												
ALMORA	-92%	-70%	31%	-70%	21%	-4%	42%	-16%	-48%	-100%	-100%	-98%
BAGESHWAR	-100%	-84%	16%	-90%	310%	49%	91%	-6%	-56%	-94%	-100%	-100%
CHAMOLI	-81%	-67%	-3%	-81%	58%	111%	53%	12%	18%	-81%	-100%	-89%
CHAMPAWAT	-94%	-71%	-55%	-87%	77%	-25%	30%	-45%	-29%	-75%	-100%	-100%
DEHRADUN	-98%	-20%	-33%	-57%	-7%	-1%	-21%	-55%	-36%	-75%	-100%	-95%
GARHWAL PAURI	-99%	-55%	-50%	-69%	24%	-30%	8%	-45%	-57%	-100%	-100%	-92%
GARHWAL TEHRI	-98%	-1%	-43%	-53%	-31%	-41%	12%	-39%	-82%	-99%	-100%	-84%
HARDWAR	-93%	-64%	-31%	-96%	191%	27%	73%	-41%	-52%	-91%	-100%	-90%
NAINITAL	-97%	-58%	61%	-72%	163%	10%	39%	-11%	-24%	-83%	-100%	-98%
PITHORAGARH	-72%	-44%	-31%	-72%	122%	-21%	0%	-40%	-51%	-40%	-100%	-56%
RUDRAPRAYAG	-96%	-65%	-47%	-60%	50%	27%	21%	-14%	-42%	-74%	-100%	-86%
UDHAM SINGH NAGAR	-99%	-90%	-71%	-13%	132%	-34%	-14%	-68%	-60%	-99%	-100%	-72%
UTTARKASHI	-88%	-13%	-34%	-68%	-51%	13%	13%	-12%	-75%	-67%	-100%	-71%
WEST BENGAL												
BANKURA	-49%	-43%	-29%	-98%	51%	-19%	-13%	53%	11%	-55%	-93%	-100%
BIRBHUM	81%	-13%	-40%	-91%	21%	-3%	10%	3%	-11%	-67%	-100%	-100%
BURDWAN	26%	32%	-24%	-100%	52%	-8%	-10%	62%	9%	-56%	-84%	-100%
COOCH BEHAR	-26%	-99%	122%	-29%	-23%	24%	-4%	-68%	-8%	-13%	-100%	-87%
DARJEELING	-87%	-91%	-20%	-74%	-27%	36%	54%	-52%	6%	157%	-100%	-100%
EAST MIDNAPORE	-67%	214%	-59%	-83%	28%	-31%	9%	26%	-22%	-22%	113%	-100%
HOOGLY	-89%	-47%	-28%	-100%	-21%	-32%	-20%	31%	0%	-26%	-21%	-100%
HOWRAH	-97%	318%	-73%	-100%	-59%	-49%	-3%	-6%	-30%	-25%	88%	-100%
JALPAIGURI	-21%	-89%	152%	5%	-20%	53%	29%	-67%	39%	49%	-100%	-96%
KOLKATA	-100%	283%	-73%	-99%	24%	-53%	-17%	74%	-20%	-25%	164%	-100%
MALDA	24%	-100%	-86%	-38%	-20%	-27%	22%	-47%	19%	-30%	-100%	-100%
MURSHIDABAD	144%	-33%	-63%	-29%	2%	-40%	-7%	-33%	-21%	-55%	-100%	-100%
NADIA	-94%	120%	-23%	-92%	90%	-35%	24%	82%	-18%	-33%	63%	-100%
NORTH 24 PARGANAS	-96%	374%	25%	-95%	29%	-17%	35%	56%	-52%	-15%	41%	-100%
NORTH DINAJPUR						-16%	18%	-59%	-10%	0%	-100%	-100%
PURULIA	-65%	-25%	-77%	-99%	28%	-32%	-16%	65%	24%	-67%	-100%	-100%
SOUTH 24 PARGANAS	-47%	137%	-96%	-82%	-20%	-42%	2%	28%	-38%	-57%	-13%	-100%
SOUTH DINAJPUR	-100%	-100%	-73%	-79%	-70%	-70%	-16%	-75%	-13%	-30%	-100%	-100%
WEST MIDNAPORE	-51%	99%	-30%	-79%	24%	-34%	9%	18%	-31%	-33%	-52%	-100%

The statistics and chart for categorywise distribution of districts for different months have been given at [Table 29](#) and [Figure 85](#) respectively.

Table 29: Category-wise Number of Districts - Monthly - Year 2016

CATEGORY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
L. EXCESS	49	27	136	32	194	55	86	65	75	91	20	26
EXCESS	29	15	65	14	94	93	127	76	83	52	11	10
NORMAL	41	28	82	35	115	188	230	147	133	99	9	24
DEFICIENT	91	75	113	52	101	205	162	237	155	145	26	33
L. DEFICIENT	218	219	142	195	78	87	23	103	173	216	128	109
NO RAIN	201	261	91	301	43	0	0	0	11	31	433	419
NO DATA	31	35	31	31	35	32	32	32	30	26	33	39

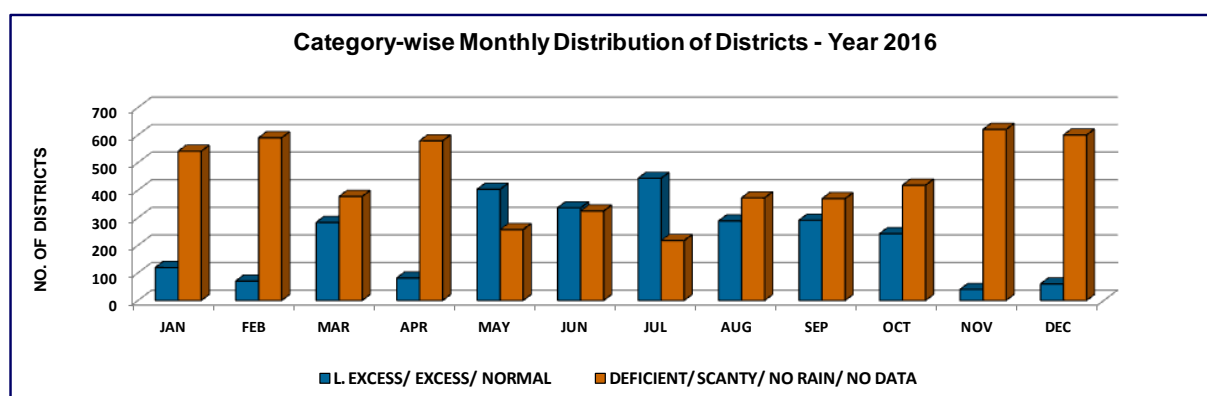


Figure 85: Monthly Distribution of no. of Districts in different categories - 2016

ANNUAL AND MONSOON RAINFALL FROM 2000 TO 2016

The annual and monsoon rainfall and their departures from normal rainfall from the years 2000 to 2016 are shown in [Table 30](#) and [Figure 86](#) through [Figure 89](#). During last 17 years, the country received annual rainfall of 5% or less of its normal rainfall. It was with positive departures only during 4 years and in rest of the years, it was with negative departures. During the years 2000, 2002, 2009, 2012 and 2014, the rainfall departures 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 departures of more than 10% were observed during the years 2000, 2002, 2009, 2014 and 2015.

Table 30: SW Monsoon and Annual Rainfall (2000-2016)

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%

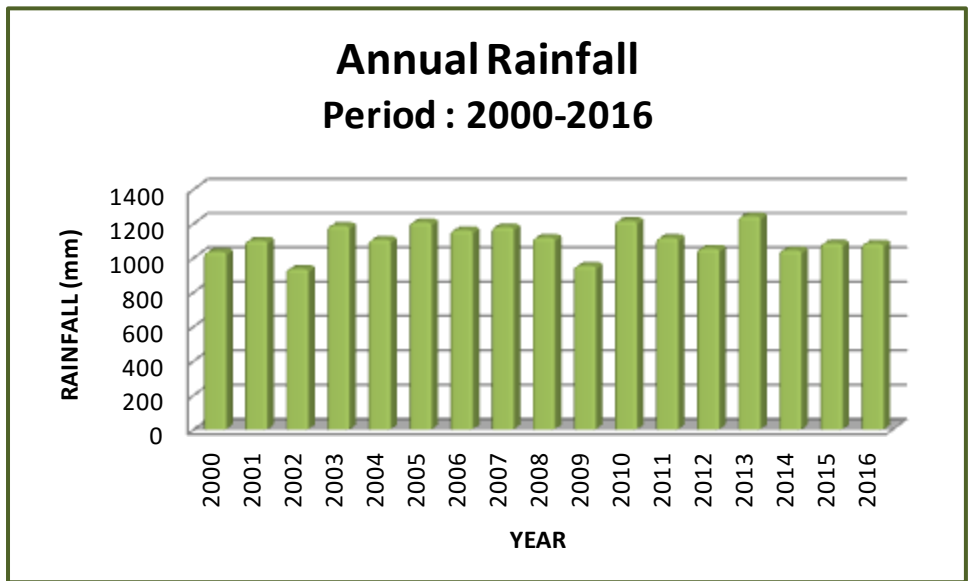


Figure 86: Annual Rainfall 2000-2016

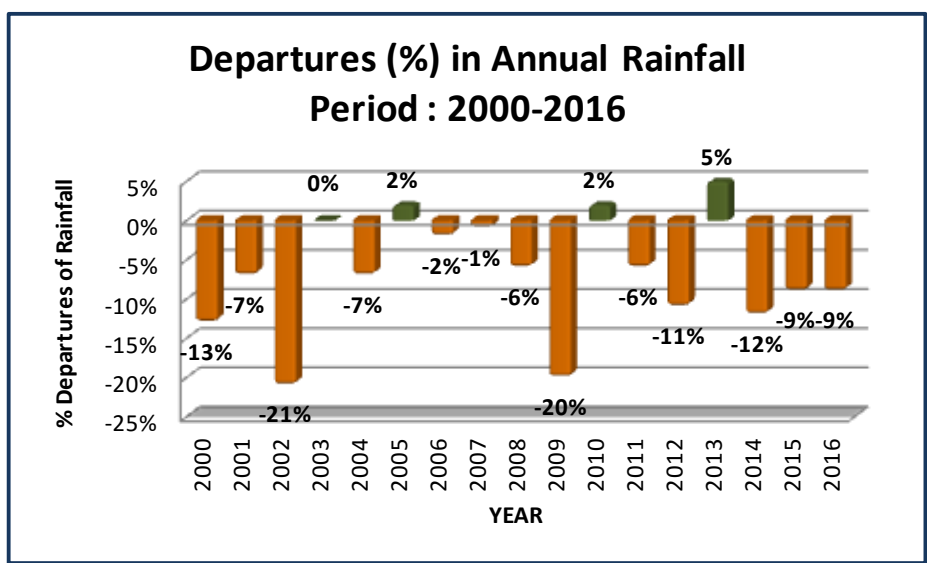


Figure 87: % Departures of Annual Rainfall 2000 – 2016

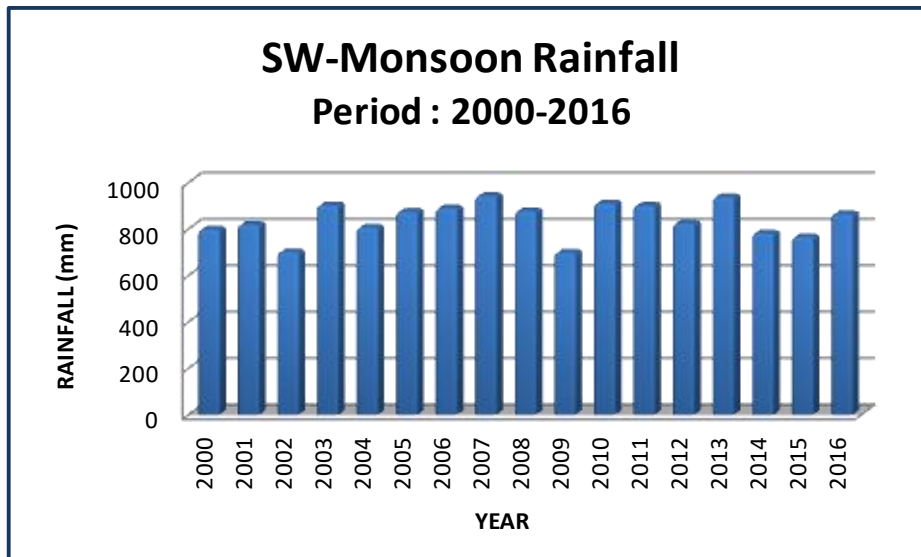


Figure 88: SW Monsoon Rainfall 2000-2016

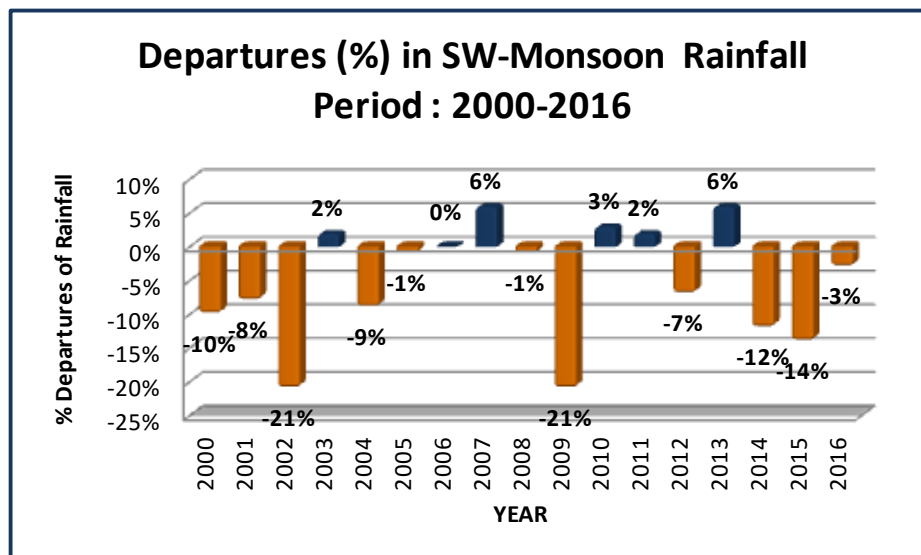


Figure 89: % Departures of SW Monsoon Rainfall 2000 - 2016

RAINFALL NORMALS

Normal rainfall distribution is based on the rainfall recorded at 2412 locations all over the India during the period from 1951 to 2000.

RAINFALL NORMALS - REGIONS, SUBDIVISIONS & STATES (Seasonal & Monthly)

The seasonal, annual and monthly rainfall normals for the country, four broad meteorological regions, subdivisions and for the states of India have been given below in the tables from [Table 31](#) through [Table 36](#). The rainfall normals are based on rainfall records for the period from 1951-2000.

Table 31: Region-wise Seasonal & Annual Rainfall Normals (mm)

REGIONS	WINTER	PRE-MONSOON	MONSOON	POST-MONSOON	ANNUAL
COUNTRY AS A WHOLE	41.4	131.5	887.5	127.2	1187.6
NORTH WEST INDIA	77.6	111.6	615.0	62.7	866.9
CENTRAL INDIA	15.9	40.0	975.5	79.6	1111.0
SOUTH PENINSULA	15.2	123.7	716.1	273.3	1128.3
EAST & NORTH EAST INDIA	55.8	372.3	1438.3	171.4	2037.8

Table 32: Region-wise Monthly Rainfall Normals (mm)

REGIONS	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
COUNTRY AS A WHOLE	19.2	22.2	30.9	38.3	62.3	163.6	289.2	261.3	173.4	80.9	29.7	16.6
NORTH WEST INDIA	36.9	40.7	48.2	30.6	32.8	69.1	218.2	215.6	112.1	30.6	11.8	20.3
CENTRAL INDIA	8.0	7.9	9.6	9.9	20.5	164.3	324.8	305.0	181.4	58.4	15.1	6.1
SOUTH PENINSULA	7.8	7.4	11.8	34.4	77.5	158.9	219.9	180.7	156.6	156.0	85.0	32.3
EAST & NORTH EAST INDIA	21.1	34.7	65.4	117.5	189.4	349.9	436.7	355.1	296.6	131.3	26.6	13.5

Table 33: Subdivision-wise Seasonal & Annual Rainfall Normals (mm)

METEOROLOGICAL SUBDIVISIONS	WINTER	PRE-MONSOON	MONSOON	POST-MONSOON	ANNUAL
A & N ISLAND	82.9	465.0	1682.5	695.9	2926.3
ARUNACHAL PRADESH	148.1	750.4	1768.0	267.2	2933.7
ASSAM & MEGHALAYA	46.9	590.2	1792.8	195.0	2624.9
N M M T	44.0	494.1	1496.9	243.0	2278.0
SHWB & SIKKIM	60.3	457.1	2006.2	185.3	2708.9
GANGETIC WEST BENGAL	34.4	164.8	1167.9	160.1	1527.2
ODISHA	31.8	134.7	1149.9	144.1	1460.5
JHARKHAND	33.4	79.4	1091.9	91.6	1296.3
BIHAR	23.0	77.5	1027.6	77.5	1205.6
EAST U.P.	28.9	31.7	897.6	60.4	1018.6
WEST U.P.	33.3	29.1	769.4	54.4	886.2
UTTARAKHAND	106.2	156.0	1229.1	89.6	1580.9
HAR. CHD & DELHI	32.9	34.2	466.3	29.4	562.8
PUNJAB	49.5	53.5	491.9	41.0	635.9
HIMACHAL PRADESH	195.5	244.9	825.3	108.2	1373.9
JAMMU & KASHMIR	212.9	326.0	534.6	131.8	1205.3
WEST RAJASTHAN	7.4	19.1	263.2	9.5	299.2
EAST RAJASTHAN	10.5	17.4	615.8	27.6	671.3
WEST MADHYA PRADESH	13.6	13.5	876.1	53.1	956.3
EAST MADHYA PRADESH	35.3	25.1	1051.2	57.8	1169.4
GUJARAT REGION	1.0	6.7	914.7	34.5	956.9
SAURASHTRA & KUTCH	0.3	4.0	477.5	29.5	511.3
KONKAN & GOA	0.1	37.2	2914.7	149.1	3101.1
MADHYA MAHARASHTRA	1.9	37.8	729.3	107.8	876.8
MARATHWADA	6.8	30.3	682.9	101.6	821.6
VIDARBHA	17.2	30.9	954.6	81.8	1084.5
CHHATTISGARH	20.8	46.8	1153.3	78.0	1298.9

METEOROLOGICAL SUBDIVISIONS	WINTER	PRE-MONSOON	MONSOON	POST-MONSOON	ANNUAL
COASTAL ANDHRA PRADESH	18.7	97.0	581.1	327.4	1024.2
TELANGANA	11.3	56.8	755.2	119.3	942.6
RAYALASEEMA	6.6	82.0	398.3	219.2	706.1
TAMILNADU & PONDICHERRY	30.9	128.1	317.2	438.2	914.4
COASTAL KARNATAKA	0.9	178.8	3083.8	262.8	3526.3
N. I. KARNATAKA	3.9	85.1	506.0	145.3	740.3
S. I. KARNATAKA	4.4	145.2	660.0	209.6	1019.2
KERALA	24.3	379.7	2039.6	480.7	2924.3
LAKSHADWEEP	35.5	232.4	998.5	333.6	1600.0

Table 34: Subdivision-wise Monthly Rainfall Normals (mm)

METEOROLOGICAL SUBDIVISIONS	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
A & N ISLAND	53.7	29.2	25.0	81.5	358.5	438.6	407.7	403.8	432.4	296.7	253.7	145.5
ARUNACHAL PRADESH	50.1	98.0	179.7	278.8	291.9	500.4	536.1	359.9	371.6	183.0	45.8	38.4
ASSAM & MEGHALAYA	16.4	30.5	77.7	181.2	331.3	502.3	553.9	410.3	326.3	154.8	28.4	11.8
N M M T	13.7	30.3	76.8	149.4	267.9	412.1	415.0	380.1	289.7	179.8	50.7	12.5
SHWB & SIKKIM	26.6	33.7	63.6	123.7	269.8	485.2	615.8	495.2	410.0	154.2	20.3	10.8
GANGETIC WEST BENGAL	13.5	20.9	28.0	42.1	94.7	244.4	331.7	312.3	279.5	129.3	23.3	7.5
ODISHA	10.8	21.0	27.0	37.5	70.2	214.1	337.0	362.1	236.7	111.6	27.7	4.8
JHARKHAND	16.1	17.3	17.1	18.4	43.9	197.5	334.6	315.8	244.0	75.2	9.9	6.5
BIHAR	13.3	9.7	10.1	16.3	51.1	168.5	343.5	291.6	224.0	64.8	6.9	5.8
EAST U.P.	16.8	12.1	9.1	5.6	17.0	107.8	298.0	294.5	197.3	49.2	4.5	6.7
WEST U.P.	18.2	15.1	11.3	4.6	13.2	71.1	258.2	291.6	148.5	42.1	4.7	7.6
UTTARAKHAND	52.1	54.1	57.6	33.3	65.1	167.8	428.1	426.3	206.9	58.6	9.7	21.3
HAR. CHD & DELHI	17.8	15.1	12.7	7.5	14.0	45.9	165.8	173.6	81.0	17.6	4.9	6.9
PUNJAB	25.2	24.3	25.3	12.5	15.7	44.4	186.0	170.4	91.1	22.0	5.7	13.3
HIMACHAL PRADESH	97.5	98.0	114.2	65.4	65.3	95.4	306.9	283.0	140.0	42.5	20.3	45.4
JAMMU & KASHMIR	95.7	117.2	151.9	97.5	76.6	64.1	192.4	186.0	92.1	38.9	33.0	59.9
WEST RAJASTHAN	2.9	4.5	3.8	4.2	11.1	29.9	102.7	89.3	41.3	5.4	2.5	1.6
EAST RAJASTHAN	5.6	4.9	3.7	2.9	10.8	62.5	225.2	228.4	99.7	16.9	7.4	3.3
WEST MADHYA PRADESH	8.5	5.1	4.6	2.0	6.9	105.4	291.6	308.7	170.4	34.4	11.0	7.7
EAST MADHYA PRADESH	20.0	15.3	12.5	5.5	7.1	133.7	347.8	369.7	200.0	37.5	9.9	10.4
GUJARAT REGION	0.8	0.2	1.1	0.3	5.3	130.8	341.2	282.7	160.0	23.4	9.4	1.7
SAURASHTRA & KUTCH	0.1	0.2	1.2	0.2	2.6	86.9	188.5	126.1	76.0	18.1	10.7	0.7
KONKAN & GOA	0.1	0.0	0.0	2.8	34.4	698.1	1111.0	760.2	345.4	120.8	22.7	5.6
MADHYA MAHARASHTRA	1.1	0.8	2.7	8.9	26.2	145.6	242.2	189.1	152.4	79.0	22.7	6.1
MARATHWADA	3.8	3.0	5.7	6.5	18.1	143.3	187.2	188.2	164.2	72.3	21.2	8.1
VIDARBHA	10.2	7.0	12.0	7.7	11.2	168.0	311.9	305.7	169.0	59.6	13.2	9.0
CHHATTISGARH	10.5	10.3	12.7	14.4	19.7	185.5	377.5	374.8	215.5	63.3	9.2	5.5
COASTAL ANDHRA PRADESH	8.3	10.4	11.1	21.8	64.1	103.9	160.4	157.7	159.1	193.2	106.6	27.6
TELANGANA	5.8	5.5	9.4	16.5	30.9	135.9	238.2	218.8	162.3	92.2	21.6	5.5
RAYALASEEMA	3.0	3.6	6.5	19.9	55.6	67.7	94.2	103.3	133.1	129.4	66.1	23.7
TAMILNADU & PONDICHERRY	17.5	13.4	18.3	42.3	67.5	46.0	68.0	87.4	115.8	180.2	170.0	88.0
COASTAL KARNATAKA	0.7	0.2	4.1	28.1	146.6	867.7	1159.7	755.5	300.9	189.5	59.6	13.7
N. I. KARNATAKA	2.2	1.7	5.2	25.6	54.3	104.6	135.0	120.4	146.0	112.0	27.3	6.0

METEOROLOGICAL SUBDIVISIONS	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
S. I. KARNATAKA	1.4	3.0	8.5	43.8	92.9	141.5	216.1	161.4	141.0	147.7	49.2	12.7
KERALA	8.7	15.6	30.4	109.5	239.8	649.8	726.1	419.5	244.2	292.3	150.9	37.5
LAKSHADWEEP	20.8	14.7	11.8	48.9	171.7	330.2	287.7	217.5	163.1	157.1	117.7	58.8

Table 35: State-wise Seasonal & Annual Rainfall Normals (mm)

STATES	WINTER	PRE-MONSOON	MONSOON	POST-MONSOON	ANNUAL
A & N ISLAND (UT)	82.9	465.0	1682.5	695.9	2926.3
ARUNACHAL PRADESH	148.1	750.4	1768.0	267.2	2933.7
ASSAM	48.4	556.1	1523.4	168.9	2296.8
MEGHALAYA	40.2	717.9	2786.8	292.2	3837.1
NAGALAND	47.5	413.7	1329.9	168.7	1959.8
MANIPUR	46.0	358.1	1404.5	231.2	2039.8
MIZORAM	39.4	563.7	1708.3	315.4	2626.8
TRIPURA	44.7	710.3	1489.1	231.2	2475.3
SIKKIM	143.6	729.5	1800.8	297.7	2971.6
WEST BENGAL	33.9	214.8	1390.4	156.7	1795.8
ODISHA	31.8	134.7	1149.9	144.1	1460.5
JHARKHAND	33.4	79.4	1091.9	91.6	1296.3
BIHAR	23.0	77.5	1027.6	77.5	1205.6
UTTAR PRADESH	30.9	30.4	846.1	57.9	965.3
UTTARAKHAND	106.2	156.0	1229.1	89.6	1580.9
HARYANA	32.4	33.6	459.8	28.9	554.7
CHANDIGARH (UT)	83.2	78.1	844.2	65.1	1070.6
DELHI	32.7	43.5	636.2	34.7	747.1
PUNJAB	49.5	53.5	491.9	41.0	635.9
HIMACHAL PRADESH	195.5	244.9	825.3	108.2	1373.9
JAMMU & KASHMIR	212.9	326.0	534.6	131.8	1205.3
RAJASTHAN	9.1	18.0	419.0	17.7	463.8
MADHYA PRADESH	23.3	18.0	952.3	54.8	1048.4
GUJARAT	0.8	5.2	672.7	31.8	710.5
DADRA & NAGAR HAVELI (UT)	0.2	9.1	2162.3	54.9	2226.5
DAMAN & DIU (UT)	0.5	6.4	1620.4	52.7	1680.0
GOA	0.6	95.3	2970.3	200.7	3266.9
MAHARASHTRA	8.2	33.2	1007.3	102.4	1151.1
CHHATISGARH	20.8	46.8	1153.3	78.0	1298.9
ANDHRA PRADESH	13.2	90.8	504.4	281.6	890.0
TELANGANA	11.3	56.8	755.2	119.3	942.6
TAMILNADU	30.8	128.5	317.0	436.1	912.4
PUDUCHERRY (UT)	56.7	69.5	355.0	910.2	1391.3
KARNATAKA	3.8	123.0	832.2	188.2	1147.2
KERALA	24.3	379.7	2039.6	480.7	2924.3
LAKSHADWEEP (UT)	35.5	232.4	998.5	333.6	1600.0

Table 36: State-wise Monthly Rainfall Normals (mm)

STATES	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
A & N ISLAND (UT)	53.7	29.2	25.0	81.5	358.5	438.6	407.7	403.8	432.4	296.7	253.7	145.5
ARUNACHAL PRADESH	50.1	98.0	179.7	278.8	291.9	500.4	536.1	359.9	371.6	183.0	45.8	38.4
ASSAM	16.2	32.2	78.4	173.1	304.6	427.2	454.2	356.6	285.4	131.9	25.1	11.9
MEGHALAYA	16.3	23.9	75.5	210.1	432.3	779.8	923.0	607.4	476.6	237.7	42.6	11.9
NAGALAND	18.7	28.8	62.7	136.0	215.0	344.5	402.2	352.8	230.4	120.6	38.1	10.0
MANIPUR	14.0	32.0	57.7	119.1	181.3	421.2	378.8	343.7	260.8	170.0	49.6	11.6
MIZORAM	11.3	28.1	94.5	149.3	319.9	434.6	456.0	443.4	374.3	235.6	65.1	14.7
TRIPURA	11.1	33.6	93.9	222.8	393.6	463.6	410.7	354.0	260.8	176.8	43.2	11.2
SIKKIM	54.8	88.8	166.4	223.0	340.1	494.0	494.0	431.2	381.6	238.7	37.6	21.4
WEST BENGAL	14.4	19.5	28.8	54.0	132.0	303.1	411.3	362.4	313.6	128.3	21.1	7.3
ODISHA	10.8	21.0	27.0	37.5	70.2	214.1	337.0	362.1	236.7	111.6	27.7	4.8
JHARKHAND	16.1	17.3	17.1	18.4	43.9	197.5	334.6	315.8	244.0	75.2	9.9	6.5
BIHAR	13.3	9.7	10.1	16.3	51.1	168.5	343.5	291.6	224.0	64.8	6.9	5.8
UTTAR PRADESH	17.4	13.5	9.7	5.3	15.4	93.0	281.8	293.6	177.7	46.3	4.6	7.0
UTTARAKHAND	52.1	54.1	57.6	33.3	65.1	167.8	428.1	426.3	206.9	58.6	9.7	21.3
HARYANA	17.6	14.8	12.6	7.4	13.6	45.1	163.3	171.2	80.2	17.4	4.8	6.7
CHANDIGARH (UT)	44.3	38.9	33.2	14.8	30.1	120.0	282.4	287.5	154.3	31.8	9.9	23.4
DELHI	16.4	16.3	15.3	8.9	19.3	59.8	220.7	245.5	110.2	20.5	5.6	8.6
PUNJAB	25.2	24.3	25.3	12.5	15.7	44.4	186.0	170.4	91.1	22.0	5.7	13.3
HIMACHAL PRADESH	97.5	98.0	114.2	65.4	65.3	95.4	306.9	283.0	140.0	42.5	20.3	45.4
JAMMU & KASHMIR	95.7	117.2	151.9	97.5	76.6	64.1	192.4	186.0	92.1	38.9	33.0	59.9
RAJASTHAN	4.5	4.6	3.6	3.6	10.8	44.5	156.8	150.8	66.9	10.7	4.8	2.2
MADHYA PRADESH	13.7	9.6	7.9	3.3	6.8	117.7	316.2	335.2	183.2	35.4	10.4	9.0
GUJARAT	0.5	0.3	1.2	0.1	3.9	106.3	256.4	196.5	113.5	20.6	10.2	1.0
DADRA & NAGAR HAVELI (UT)	0.0	0.2	0.0	0.0	9.1	349.2	832.9	630.2	350.0	40.1	14.8	0.0
DAMAN & DIU (UT)	0.1	0.4	0.2	0.1	6.1	284.3	636.0	452.6	247.5	37.6	14.8	0.3
GOA	0.5	0.1	0.5	7.4	87.4	905.7	1103.4	680.8	280.4	155.4	35.1	10.2
MAHARASHTRA	4.8	3.4	6.0	7.3	19.9	204.8	339.0	283.5	180.0	75.3	19.3	7.8
CHHATISGARH	10.5	10.3	12.7	14.4	19.7	185.5	377.5	374.8	215.5	63.3	9.2	5.5
ANDHRA PRADESH	5.7	7.5	9.2	21.0	60.6	88.9	132.5	134.7	148.3	166.5	89.4	25.7
TELANGANA	5.8	5.5	9.4	16.5	30.9	135.9	238.2	218.8	162.3	92.2	21.6	5.5
TAMILNADU	17.4	13.4	18.4	42.6	67.5	45.9	67.9	87.3	115.9	179.9	169.1	87.1
PUDUCHERRY (UT)	29.5	27.2	16.8	12.8	40.0	47.9	76.1	112.9	118.0	272.3	403.3	234.5
KARNATAKA	1.8	2.0	6.5	34.4	82.1	197.2	274.2	202.4	158.4	137.3	41.0	9.9
KERALA	8.7	15.6	30.4	109.5	239.8	649.8	726.1	419.5	244.2	292.3	150.9	37.5
LAKSHADWEEP (UT)	20.8	14.7	11.8	48.9	171.7	330.2	287.7	217.5	163.1	157.1	117.7	58.8



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